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

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## Addendum I

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

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

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

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

The following example illustrates the changes :-

### September 2002

```

NEIC 01 18:45:41.7±1.7,21.70S×179.55W,h600km,mb4.6/6,
Error ellipse: s-maj=75.5km s-min=25.7km az=151.0
IDC 01 18:45:46.3±2.6,21.76S×179.70W,h627km,37km,mb3.5/4,
mb1 3.7/4,mb1mx3.2/14,Error ellipse: s-maj=83.2km
s-min=20.6km az=159.0
ISC 01 18:45:43.1±2.7,22.3S;02×179.6W;03,h613km,42km,
n22,r1515/21,mb4.4/9,1C, South of Fiji Islands
Code Station Name Δ° AZ° Phase ID ISC Time Res
h m s ISC
HBZ Hicks Bay 15.41 186 eP P 18 48 53.1 -1.7
URZ Urewera 16.21 189 P P 18 49 01.5 -0.9
MRZ Mangatoinoka R 18.81 192 eP P 18 49 26.7 0.0
DIW D'Urville Isla 19.30 195 eP P 18 49 27.3 -3.9
CAW Cannon Point 19.34 192 eP P 18 49 31.7 +0.1
OTW Orongorongo Tu 19.52 192 eP P 18 49 33.0 -0.2
MCW Moikau 19.61 192 eP P 18 49 35.5 +1.5
THZ Tophouse 20.46 196 eP P 18 49 42.0 +0.2
KHZ Kahutara 20.93 194 P P 18 49 46.2 +0.2
ARMA Armidale 27.03 246 eP P 18 50 42.4 +2.3
4.9nm,0.5s,mb4.4
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 PKP Pbc 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.



















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Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like SUMG Summit, LUWI Luwuk, UGM Wanagama, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like MLY Manley, SFJD Kangerlussuaq, TTA Tatalina, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like PFVI Vila Bisbo, UNV Unalaska Valle, DHY Denali Highway, etc.

CROM	Cirque	69.56	22	eP	P	00 32 34.2 +0.4
CROM	comp=Z,169nm,0.8s					
CROM				ePP	PP	00 34 59.6 -7.5
CROM				LR	LR	
MID	Middleton Isla	69.75	24	eP	P	00 32 34.8 +0.1
MID	comp=Z,3um,19.0s					
MID				pmax	pmax	
ABPO	Abmohimpanom	70.20	215	eP	P	00 32 38.9 +0.7
ABPO	comp=Z,104nm,1.3s					
ABPO				MLR	MLR	
ABPO	Abmohimpanom	70.20	215	eP	P	00 32 38.9 +0.7
ABPO	comp=Z,800nm,20.0s					
ABPO	comp=Z,104nm,1.3s					
ABPO				LR	LR	
HYT	Haines Junctio	70.95	19	eP	P	00 32 42.9 +0.6
HYT	comp=Z,116nm,0.8s					
HYT				LR	LR	
MTN	Manton Dam	71.61	129	eP	P	00 32 46.6 0.0
MTN	comp=Z,3um,22.0s					
MTN	comp=Z,51nm,0.8s					
WHY	Whitehorse	71.71	18	eP	P	00 32 46.4 -0.4
WHY	comp=Z,38nm,0.7s					
WHY				LR	LR	
SKAG	Skagway	72.67	19	eP	P	00 32 53.0 +0.5
SKAG	comp=Z,2um,20.0s					
SKAG	comp=Z,112nm,0.9s					
SKAG				LR	LR	
WAKE	Wake Island	72.87	80	eP	P	00 32 54.5 +0.3
WAKE	comp=Z,3um,22.0s					
WAKE	comp=Z,294nm,1.1s					
MBWA	Marble Bar	73.00	144	eP	P	00 32 55.6 +0.9
MBWA	comp=Z,135nm,0.8s					
MBWA				LR	LR	
MBWA	Marble Bar	73.00	144	P	P	00 32 55.7 +0.9
MBWA	comp=Z,1um,22.0s					
MBWA	SNR=5					
YKW3	Yellowknife Ar	73.28	8	eP	P	00 32 55.1 -0.9
YKA	Yellowknife Ar	73.35	8	eP	P	00 32 56.0 -0.3
YKA	comp=Z,50nm,0.7s,baz=538,slow=5.9,SNR=55					
YKA				pP	pP	00 33 05.2 +0.5
YKA	comp=Z,53nm,0.8s,baz=344,slow=5.6,SNR=16					
YKA				LR	LR	01 06 54.6
BESE	Bessie Mountai	73.57	19	eP	P	00 32 58.6 +0.8
BESE	comp=Z,160nm,21.1s,baz=0.0,slow=37					
BESE	comp=Z,118nm,0.8s					
PMPS	Porto Santo	73.71	300	eP	P	00 32 59.8 +0.8
PMPS	comp=Z,473nm,1.3s					
PMPS				eP	sP	00 33 08.7 -1.8
PMPS				eP	sP	00 33 03.5 +0.8
PMAR	Madeira	74.30	3001	eP	P	00 33 12.6 -1.5
PMAR	comp=Z,602nm,1.5s					
FUL	Funchal	74.33	3001	eP	P	00 33 12.6 -1.5
FUL	comp=Z,352nm,1.2s					
TOC2	Torodi Ar. Sit	74.34	273	PFAKE	LR	00 33 20.0 +1.7
TOC2	comp=Z,800nm,19.0s					
TOC1	Torodi Ar. Sit	74.35	273	PFAKE	LR	00 33 20.0 +1.7
TOC1	comp=Z,1um,19.0s					
TOB2	Torodi Ar. Sit	74.36	273	PFAKE	LR	00 33 20.0 +1.7
TOB2	comp=Z,800nm,19.0s					
TOC3	Torodi Ar. Sit	74.36	273	PFAKE	LR	00 33 20.0 +1.7
TOC3	comp=Z,800nm,19.0s					
TOA1	Torodi Ar. Sit	74.37	273	PFAKE	LR	00 33 20.0 +1.7
TOA1	comp=Z,900nm,19.0s					
TOAO	Torodi Ar. Sit	74.37	273	eP	P	00 33 02.8 -0.3
TOAO	comp=Z,210nm,0.8s					
TOAO				LR	LR	
TOB3	Torodi Ar. Sit	74.37	273	PFAKE	LR	00 33 20.0 +1.7
TOB3	comp=Z,800nm,19.0s					
TORD	Torodi Ar. Bea	74.37	273	P	P	00 33 02.7 -0.4
TORD	comp=Z,176nm,0.7s,baz=41,slow=5.2,SNR=910					
TORD				pP	pP	00 33 11.7 +0.3
TORD	comp=Z,133nm,0.8s,baz=43,slow=5.1,SNR=15					
TORD				LR	LR	01 12 25.4
TOC7	Torodi Ar. Sit	74.37	273	PFAKE	LR	00 33 20.0 +1.7
TOC7	comp=Z,754nm,19.4s,baz=30,slow=4.1					
TOB5	Torodi Ar. Sit	74.37	273	PFAKE	LR	00 33 20.0 +1.7
TOB5	comp=Z,1um,20.0s					
TOB4	Torodi Ar. Sit	74.38	273	PFAKE	LR	00 33 20.0 +1.7
TOB4	comp=Z,1um,19.0s					
TOC4	Torodi Ar. Sit	74.38	273	PFAKE	LR	00 33 20.0 +1.7
TOC4	comp=Z,900nm,20.0s					
TOC5	Torodi Ar. Sit	74.39	273	PFAKE	LR	00 33 20.0 +1.7
TOC5	comp=Z,800nm,20.0s					
PMOZ	Porto Moniz, M	74.41	3001	eP	P	00 33 04.0 +0.7
PMOZ	comp=Z,318nm,1.5s					
PATS	Pohnpei	75.11	95	eP	P	00 33 08.0 +0.6
PATS	comp=Z,266nm,1.2s					
BART	Pico Bartolome	75.78	309	eP	P	00 33 12.0 +0.9
BART	comp=Z,296nm,0.9s					
PCALD	Caldeiras da R	75.95	309	eP	P	00 33 12.4 +0.5
PCALD	comp=Z,204nm,0.7s					
CMLA	Cha da Macela	75.99	309	iP	P	00 33 14.4 +2.2
CMLA	comp=Z,593nm,1.2s					
CMLA	comp=Z,593nm,1.2s					
PSET	Sete Cidades	76.06	309	eP	P	00 33 14.1 +1.5
PSET	comp=Z,169nm,0.8s					
PDA	Ponta Delgada	76.08	309	eP	P	00 33 14.5 +1.8
PDA	comp=Z,678nm,1.7s					
PSMN	Pico do Norte	76.27	308	eP	P	00 33 14.4 +0.6
PSMN	comp=Z,258nm,1.5s					
PSMA	Santa Maria	76.31	308	eP	P	00 33 14.7 +0.7
PSMA	comp=Z,519nm,1.8s					
ADH	Angra Heroismo	76.32	311	eP	P	00 33 15.5 +1.5
ADH	comp=Z,455nm,1.4s					
PGRA	Graciosa	76.46	311	eP	P	00 33 16.7 +1.9
PGRA	comp=Z,723nm,1.9s					
LSZ	Lusaka	76.72	234	eS	P	00 33 17.2 +0.6
LSZ	comp=Z,62nm,0.9s					
LSZ				pmax	pmax	00 43 03.5 +1.4
LSZ				MLR	MLR	
LSZ	comp=Z,800nm,20.0s					
LSZ	Lusaka	76.72	234	eP	P	00 33 17.2 +0.6
LSZ	comp=Z,62nm,0.9s					
LSZ				eS	S	00 43 03.5 +1.4
LSZ				LR	LR	
LSZ	comp=Z,800nm,20.0s					
LSZ	Lusaka	76.72	234	P	P	00 33 17.5 +0.9
LSZ	SNR=11					
LSZ	Lusaka	76.72	234	P	P	00 33 17.5 +0.9
LSZ	SNR=11					
PMAN	Manadas	76.81	311	eP	P	00 33 19.6 +2.8
PMAN	comp=Z,637nm,1.2s					
ROSA	Rosais	76.83	311	eP	P	00 33 19.1 +2.2
ROSA	comp=Z,538nm,1.6s					
ROSA	Rosais	76.83	311	eP	P	00 33 18.3 +1.4
ROSA	comp=Z,903nm,1.8s					
PICO	Pico	77.08	311	eP	P	00 33 20.9 +2.5
PICO	comp=Z,774nm,1.7s					
PCAN	Candelaria	77.14	311	eP	P	00 33 20.8 +2.1
PCAN	comp=Z,604nm,1.2s					
PCED	Cedros	77.14	311	eP	P	00 33 20.9 +2.2
PCED	comp=Z,809nm,2.0s					
HOR	Horta	77.18	311	eP	P	00 33 21.4 +2.6
HOR	comp=Z,861nm,2.1s					
RABL	Rabaul	78.42	107	eP	P	00 33 27.3 +1.2
RABL	comp=Z,371nm,1.3s					
SCHO	Schefferville	78.48	342	P	P	00 33 25.6 -0.3
SCHO	comp=Z,94nm,0.7s,baz=29,slow=5.0,SNR=26					
SCHO				LR	LR	01 11 59.9
SCHO	comp=Z,2um,18.7s,baz=16,slow=39					
SCHO	comp=Z,145nm,0.9s					
PMG	Port Moresby	78.81	115	iP	P	00 33 29.1 +1.0
PMG	comp=Z,427nm,1.1s					
PMG				pmax	pmax	
PMG	Port Moresby	78.81	115	eP	P	00 33 28.8 +0.6

WB0	comp=Z,118nm,1.0s	79.04	131	PFAKE	LR	00 33 40.0 +1.1
WB0	Warramunga Arr			LR	LR	
WB9	comp=Z,2um,22.0s	79.06	131	PFAKE	LR	00 33 40.0 +1.1
WB9	Warramunga Arr			LR	LR	
WB6	comp=Z,3um,22.0s	79.10	131	PFAKE	LR	00 33 40.0 +1.0
WB6	Warramunga Arr			LR	LR	
WB4	comp=Z,2um,22.0s	79.13	131	PFAKE	LR	00 33 40.0 +1.0
WB4	Warramunga Arr			LR	LR	
WB3	comp=Z,2um,22.0s	79.15	131	PFAKE	LR	00 33 40.0 +1.0
WB3	Warramunga Arr			LR	LR	
WRAB	Tennant Creek	79.15	131	iP	P	00 33 30.6 +0.7
WRAB	comp=Z,668nm,0.9s					
WRAB	comp=Z,287nm,0.8s					
WRAB				LR	LR	
WR1	comp=Z,1um,21.0s	79.15	131	PFAKE	LR	00 33 40.0 +1.0
WR1	Warramunga Arr			LR	LR	
WRA	comp=Z,2um,22.0s	79.15	131	P	P	00 33 30.4 +0.5
WRA	Warramunga Arr			pP	sP	00 33 40.3 -1.1
WRA	comp=Z,248nm,0.9s,baz=333,slow=5.6,SNR=458					
WRA	comp=Z,130nm,0.8s,baz=330,slow=5.5,SNR=16					
WRA				S	S	00 43 26.9 -1.1
WRA	comp=Z,3.0nm,1.0s,baz=329,slow=10,SNR=6.8					
WRA	comp=Z,6.1nm,0.8s,baz=154,slow=1.8,SNR=26					
WC2	Warramunga Arr	79.15	131	PFAKE	LR	00 33 40.0 +1.0
WC2	comp=Z,2um,21.0s					
WB2	Warramunga Arr	79.16	131	eP	P	00 33 30.3 +0.3
WB2	comp=Z,2um,21.0s					
WB2				LR	LR	
WC4	Warramunga Arr	79.17	131	PFAKE	LR	00 33 40.0 +1.0
WC4	comp=Z,1um,19.0s					
WR2	Warramunga Arr	79.17	131	PFAKE	LR	00 33 40.0 +1.0
WR2	comp=Z,2um,20.0s					
WR2				LR	LR	
WC3	Warramunga Arr	79.18	131	eP	P	00 33 30.7 +0.7
WC3	comp=Z,2um,20.0s					
WC3	comp=Z,284nm,0.8s					
WR3	Warramunga Arr	79.18	131	PFAKE	LR	00 33 40.0 +1.0
WR3	comp=Z,2um,21.0s					
WR4	Warramunga Arr	79.20	131	PFAKE	LR	00 33 40.0 +1.0
WR4	comp=Z,2um,21.0s					
WR5	Warramunga Arr	79.21	131	PFAKE	LR	00 33 40.0 +1.0
WR5	comp=Z,2um,20.0s					
WR6	Warramunga Arr	79.23	131	PFAKE	LR	00 33 40.0 +1.0
WR6	comp=Z,2um,20.0s					
WR7	Warramunga Arr	79.24	131	PFAKE	LR	00 33 40.0 +1.0
WR7	comp=Z,2um,20.0s					
WR9	Warramunga Arr	79.26	131	PFAKE	LR	00 33 40.0 +1.0
WR9	comp=Z,1um,22.0s					
WR0	Warramunga Arr	79.28	131	PFAKE	LR	00 33 40.0 +9.4
WR0	comp=Z,900nm,22.0s					
COEN	Coen	79.66	121	eP	P	00 33 33.2 +0.5
COEN	comp=Z,89nm,0.8s					
COEN				LR	LR	
KWAJ	Kwajalein Atol	80.53	87	eP	P	00 33 38.4 +0.9
KWAJ	comp=Z,800nm,20.0s					
KWAJ				pmax	pmax	
KWAJ	comp=Z,590nm,1.5s					
KWAJ	Kwajalein Atol	80.53	87	eP	P	00 33 38.4 +0.9
KWAJ	comp=Z,590nm,1.5s					
ASAR	Alice Springs	81.94	134	P	P	00 33 45.2 +0.4
ASAR	comp=Z,140nm,0.8s,baz=330,slow=5.5,SNR=683					
ASAR				pP	sP	00 33 55.2 -1.1
ASAR	comp=Z,96nm,0.8s,baz=324,slow=5.2,SNR=19					
ASAR	comp=Z,2.1nm,0.9s,baz=316,slow=7.9,SNR=5.8					
ASAR				S	S	00 43 55.6 -1.5
ASAR	comp=Z,5.8nm,0.8s,baz=141,slow=2.2,					

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Table with columns: ID, Name, Az, El, SNR, P, R, Az, El, SNR, P, R. Includes entries like D32A Dogwood Acres, D35A Remer, D34A Park Rapids, etc.

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Table with columns: ID, Name, Az, El, SNR, P, R, Az, El, SNR, P, R. Includes entries like SPMN Marine on St., K04D Chiloquin, G03A Chideland, etc.

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Table with columns: ID, Name, Az, El, SNR, P, R, Az, El, SNR, P, R. Includes entries like I34A Hadley, I33A Royce, I31A Royce, Wessing, etc.

Table with columns: ORV, Oroville, 94.42, 18, eP, P, 00 34 44.4 -0.6. Rows include various locations like Oroville, Preston, Battle Mountain, etc.

Table with columns: HDIL, N38A, N35A, WAKR, etc. Rows include various locations like Jobs South For, Toros, Walker, etc.

Table with columns: SMCO, P39B, P34A, P35A, etc. Rows include various locations like Salisbury, University of, Walnut Farm, etc.

1d 0h

FVM	comp=Z,3um,19.0s French Village baz=2.74nm,1.6s	98.51 354	eP	P	00 35 03.2 -0.4
FVM	comp=Z,3um,19.0s		LR	LR	
KNB	comp=Z,3um,19.0s Kanab	98.55 12	eP	Pdifi	00 35 04.2 +0.2
KNB	comp=Z,18nm,1.1s		pmax	pmax	
KNB	comp=Z,2um,18.0s Kanab	98.55 12	eP	Pdifi	00 35 04.2 +0.2
KNB	comp=Z,18nm,1.1s		LR	LR	
MPMC	comp=Z,2um,18.0s Manual Prospec baz=346	98.65 16	P	Pdifi	00 35 04.5 0.0
SHPR	comp=Z,8.9nm,1.0s Sheep Range	98.66 14	eP	Pdifi	00 35 04.9 +0.4
SHPR	comp=Z,1um,18.0s Carrier Mills	98.66 353	P	P	00 35 04.0 -0.3
S45A	comp=Z,1um,18.0s Great Sand Dun baz=6.6	98.69 6	P	P	00 35 04.5 -0.3
SDCO	comp=Z,1um,18.0s Great Sand Dun baz=354,SNR=14	98.69 6	eP	P	00 35 04.0 -0.7
SDCO	comp=Z,48nm,1.7s		LR	LR	
SDCO	comp=Z,1um,18.0s Carbondale	98.71 353	P	Pdifi	00 35 04.4 0.0
S44A	comp=Z,1um,18.0s Caledonia baz=6.1,SNR=5.6	98.75 355	P	P	00 35 04.2 -0.4
S42A	comp=Z,1um,18.0s Isabella, Lake baz=5.0,SNR=6.7	98.82 17	P	P	00 35 04.6 -0.5
ISA	comp=Z,1um,18.0s Isabella, Lake baz=345	98.82 17	eP	pmax	00 35 03.6 -1.6
ISA	comp=Z,8.0nm,1.0s Isabella, Lake baz=Z,7.9nm,1.0s	98.82 17	eP	P	00 35 03.6 -1.6
S43A	comp=Z,1um,18.0s Fulton Ridge, baz=5.5	98.89 354	P	P	00 35 04.9 -0.4
MVCO	comp=Z,1um,18.0s Mesa Verde baz=352	98.93 9	P	P	00 35 05.1 -0.7
MVCO	comp=Z,1um,18.0s Mesa Verde	98.93 9	PFAKE	LR	00 35 20.0 +1.4
S37A	comp=Z,1um,18.0s Fort Scott baz=2.0,SNR=15	98.95 358	P	P	00 35 04.7 -0.9
S39A	comp=Z,1um,18.0s Bolivar baz=3.1,SNR=26	98.97 357	P	P	00 35 05.0 -0.7
S41A	comp=Z,1um,18.0s Jillico Farms, baz=4.2,SNR=13	98.99 355	P	P	00 35 05.3 -0.5
S36A	comp=Z,1um,18.0s Lake Cedric, C baz=1.4,SNR=11	99.01 358	P	Pdifi	00 35 05.1 -0.7
S40A	comp=Z,1um,18.0s Lebanon baz=3.7,SNR=24	99.02 356	P	Pdifi	00 35 05.4 -0.5
SHOC	comp=Z,1um,18.0s Shoshone, Teco baz=346	99.04 15	P	Pdifi	00 35 06.1 +0.1
S34A	comp=Z,1um,18.0s Willow Spring baz=0.3,SNR=6.3	99.05 360	P	Pdifi	00 35 05.4 -0.6
S35A	comp=Z,1um,18.0s Stockton baz=2.7,SNR=17	99.05 357	P	Pdifi	00 35 05.1 -0.9
S38A	comp=Z,1um,18.0s Otter Creek Ra baz=0.9,SNR=6.9	99.06 359	P	Pdifi	00 35 05.3 -0.4
LRMC	comp=Z,1um,18.0s Laurel Mtn Rd baz=345	99.17 17	P	Pdifi	00 35 07.2 +0.8
U15A	comp=Z,2.1nm,1.5s North Rim	99.21 12	eP	Pdifi	00 35 07.0 -0.1
U15A	comp=Z,1um,20.0s		LR	LR	
ARVC	comp=Z,1um,20.0s Arvin baz=345	99.26 18	P	Pdifi	00 35 06.6 -0.4
T44A	comp=Z,1um,20.0s Benton baz=5.8	99.34 354	P	Pdifi	00 35 07.0 -0.3
MHTCO	comp=Z,1um,20.0s State Highway baz=89nm,1.8s	99.36 6	eP	Pdifi	00 35 07.9 +0.2
T25A	comp=Z,1um,20.0s Trinidad baz=355	99.37 6	P	Pdifi	00 35 07.1 -0.6
T25A	comp=Z,1um,20.0s Trinidad baz=355	99.37 6	eP	Pdifi	00 35 07.2 -0.6
HGTCO	comp=Z,1um,20.0s Madrid Canyon baz=1.9nm,1.3s	99.39 6	eP	Pdifi	00 35 08.2 +0.4
T43A	comp=Z,1um,20.0s Greenville baz=5.3,SNR=15	99.39 354	P	Pdifi	00 35 06.7 -0.8
T40A	comp=Z,1um,20.0s Mansfield baz=3.7,SNR=6.3	99.47 356	P	Pdifi	00 35 07.1 -0.8
CNNC	comp=Z,1um,20.0s Cliffs of the Goldstone, Bar	99.48 344	PFAKE	LR	00 35 20.0 +1.2
GSC	comp=Z,1um,20.0s Goldstone, Bar	99.52 16	eP	pmax	00 35 08.7 +0.4
GSC	comp=Z,1um,20.0s Goldstone, Bar	99.52 16	eP	pmax	00 35 08.7 +0.4
T41A	comp=Z,1um,20.0s Mountain View baz=4.2	99.53 355	P	Pdifi	00 35 07.6 -0.6
TUQ	comp=Z,1um,20.0s Turquoise Moun baz=347	99.56 15	P	Pdifi	00 35 08.2 -0.3
T37A	comp=Z,1um,20.0s Cheneyville 18 baz=1.9,SNR=6.0	99.59 358	P	Pdifi	00 35 07.5 -1.0
T39A	comp=Z,1um,20.0s Clever baz=3.1,SNR=9.7	99.64 357	P	Pdifi	00 35 07.9 -0.8
T38A	comp=Z,1um,20.0s Diamond baz=2.4,SNR=6.8	99.66 357	P	Pdifi	00 35 07.8 -0.9
T36A	comp=Z,1um,20.0s Boogs Farm, Ca baz=1.2,SNR=7.9	99.67 359	P	Pdifi	00 35 08.2 -0.6
EDW2	comp=Z,1um,20.0s Edwards Air Fo baz=345	99.68 17	P	Pdifi	00 35 09.2 +0.3
PBMO	comp=Z,1um,20.0s Poplar Bluff baz=Z,7.9nm,1.8s	99.71 354	ePdif	Pdifi	00 35 07.9 -1.1
T34A	comp=Z,1um,20.0s McClaskey Farm baz=0.3	99.73 360	P	Pdifi	00 35 08.7 -0.3
PARMO	comp=Z,1um,20.0s Parma	99.77 354	PFAKE	LR	00 35 20.0 +1.1
PARMO	comp=Z,1um,20.0s Parma	99.77 354	PFAKE	LR	00 35 20.0 +1.1
T35A	comp=Z,1um,20.0s Sooner Cattle baz=0.8,SNR=12	99.83 359	P	Pdifi	00 35 09.1 -0.4
U45A	comp=Z,1um,20.0s Rockin P Farm, baz=6.5	100.00 353	P	Pdifi	00 35 09.9 -0.3
UTMT	comp=Z,1um,20.0s University of baz=Z,48nm,0.7s	100.01 353	ePdif	Pdifi	00 35 09.7 -0.5
PVMO	comp=Z,1um,20.0s Portageville	100.01 354	PFAKE	LR	00 35 20.0 +1.0
PVMO	comp=Z,1um,20.0s Portageville	100.01 354	PFAKE	LR	00 35 20.0 +1.0
LDFC	comp=Z,1um,20.0s Landfair baz=Z,8.1nm,0.8s	100.06 15	ePdif	Pdifi	00 35 09.9 -0.7
LDFC	comp=Z,1um,20.0s Landfair baz=Z,8.1nm,0.8s	100.06 15	ePdif	Pdifi	00 35 09.9 -0.7
U44B	comp=Z,1um,20.0s Burton Farm, H baz=6.0	100.06 353	P	Pdifi	00 35 09.6 -0.9
HEC	comp=Z,1um,20.0s Hector, Ludlow baz=346	100.07 16	P	Pdifi	00 35 10.7 0.0
TKL	comp=Z,1um,20.0s Tuckaleechee C	100.09 349	eP	MLR	00 35 10.6 -0.1
TKL	comp=Z,1um,20.0s Tuckaleechee C	100.09 349	eP	MLR	00 35 10.6 -0.1
TKL	comp=Z,1um,20.0s Tuckaleechee C	100.09 349	ePdif	PP	00 35 10.6 -0.1
TKL	comp=Z,1um,20.0s Tuckaleechee C	100.09 349	ePdif	PP	00 39 11.4 -3.7
U43A	comp=Z,1um,20.0s Rector baz=5.2	100.11 354	P	Pdifi	00 35 10.8 +0.1
GLAT	comp=Z,1um,20.0s Glass	100.12 353	PFAKE	LR	00 35 20.0 +9.2
GLAT	comp=Z,1um,20.0s Glass	100.12 353	PFAKE	LR	00 35 20.0 +9.2
WVT	comp=Z,1um,20.0s Waverly	100.12 352	eP	MLR	00 35 10.9 +0.1
WVT	comp=Z,1um,20.0s Waverly	100.12 352	eP	MLR	00 35 10.9 +0.1
WVT	comp=Z,1um,20.0s Waverly	100.12 352	ePdif	LR	00 35 10.9 +0.1
WVT	comp=Z,1um,20.0s Waverly	100.12 352	ePdif	LR	00 35 10.9 +0.1
U42A	comp=Z,1um,20.0s Reverend baz=4.6	100.19 355	P	Pdifi	00 35 10.7 -0.4
BLG	comp=Z,1um,20.0s Laguna Peak, P	100.19 18	P	Pdifi	00 35 11.5 +0.4
KMSC	comp=Z,1um,20.0s Kings Mountain baz=12	100.22 347	P	Pdifi	00 35 10.8 -0.4
KMSC	comp=Z,1um,20.0s Kings Mountain baz=12	100.22 347	P	Pdifi	00 35 10.8 -0.4
WUAZ	comp=Z,1um,20.0s Wupatki baz=350	100.23 11	P	Pdifi	00 35 11.9 +0.4
WUAZ	comp=Z,1um,20.0s Wupatki	100.23 11	ePdif	LR	00 35 12.7 +1.1
WUAZ	comp=Z,1um,20.0s Wupatki	100.23 11	ePdif	LR	00 35 12.7 +1.1
GMRC	comp=Z,1um,20.0s Granite Mounta baz=347	100.24 15	P	Pdifi	00 35 10.7 -0.8
U41A	comp=Z,1um,20.0s Viola baz=4.1,SNR=14	100.24 355	P	Pdifi	00 35 10.8 -0.5
W13A	comp=Z,1um,20.0s Hualapai Mount	100.25 14	ePdif	Pdifi	00 35 11.7 0.0

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W13A	comp=Z,1um,19.0s Gravette baz=2.3,SNR=6.3	100.26 357	P	Pdifi	00 35 10.5 -0.9
U40A	comp=Z,1um,19.0s Yellowville baz=3.5,SNR=9.1	100.28 356	P	Pdifi	00 35 10.8 -0.7
U39A	comp=Z,1um,19.0s Green Forest baz=3.0,SNR=13	100.28 357	P	Pdifi	00 35 10.7 -0.8
U37A	comp=Z,1um,19.0s Salina baz=1.8,SNR=9.8	100.31 358	P	Pdifi	00 35 11.0 -0.7
PASC	comp=Z,1um,19.0s Pasadena Art C baz=345	100.32 17	PFAKE	LR	00 35 20.0 +8.3
PASC	comp=Z,1um,19.0s Pasadena Art C baz=345	100.32 17	PFAKE	LR	00 35 20.0 +8.3
U36A	comp=Z,1um,19.0s Oologah baz=1.3	100.34 358	P	Pdifi	00 35 11.3 -0.5
U32A	comp=Z,1um,19.0s Winter Ranch, baz=359	100.36 1	P	Pdifi	00 35 11.8 -0.1
BFSC	comp=Z,1um,19.0s Mount Baldy Ra baz=345	100.37 17	P	Pdifi	00 35 11.0 -1.2
U35A	comp=Z,1um,19.0s Pawnee baz=0.6	100.38 359	P	Pdifi	00 35 11.6 -0.4
HHAR	comp=Z,1um,19.0s Hobbs baz=0.6	100.40 357	ePdif	LR	00 35 11.6 -0.5
HHAR	comp=Z,1um,19.0s Hobbs baz=0.6	100.40 357	ePdif	LR	00 35 11.6 -0.5
CPCT	comp=Z,1um,19.0s Cooper Cave	100.40 349	PFAKE	LR	00 35 20.0 +7.9
CPCT	comp=Z,1um,19.0s Cooper Cave	100.40 349	PFAKE	LR	00 35 20.0 +7.9
HALT	comp=Z,1um,19.0s Halls	100.48 353	PFAKE	LR	00 35 20.0 +7.6
HALT	comp=Z,1um,19.0s Halls	100.48 353	PFAKE	LR	00 35 20.0 +7.6
V44A	comp=Z,1um,19.0s Blytheville baz=5.6	100.61 354	P	Pdifi	00 35 12.4 -0.5
V45A	comp=Z,1um,19.0s Humboldt baz=6.3	100.62 353	P	Pdifi	00 35 12.2 -0.8
BG3	comp=Z,1um,19.0s Lake Jocassee	100.62 348	ePdif	LR	00 35 12.6 -0.5
BG3	comp=Z,1um,19.0s Lake Jocassee	100.62 348	ePdif	LR	00 35 12.6 -0.5
V42A	comp=Z,1um,19.0s Cotton baz=4.5	100.74 355	P	Pdifi	00 35 13.0 -0.5
V41A	comp=Z,1um,19.0s Mountainview baz=4.0	100.81 356	P	Pdifi	00 35 13.3 -0.6
SWET	comp=Z,1um,19.0s Sewanee	100.81 350	ePdif	LR	00 35 13.5 -0.5
SWET	comp=Z,1um,19.0s Sewanee	100.81 350	ePdif	LR	00 35 13.5 -0.5
TUL1	comp=Z,1um,19.0s Leonard baz=1.3	100.82 359	P	Pdifi	00 35 13.5 -0.4
TUL1	comp=Z,1um,19.0s Leonard baz=1.3	100.82 359	ePdif	LR	00 35 13.5 -0.4
V40A	comp=Z,1um,19.0s Witts Springs baz=3.3	100.83 356	P	Pdifi	00 35 13.2 -0.8
V39A	comp=Z,1um,19.0s Pettigrew baz=2.9,SNR=5.4	100.83 357	P	Pdifi	00 35 13.1 -0.9
V38A	comp=Z,1um,19.0s Canehill baz=2.3,SNR=5.5	100.83 357	P	Pdifi	00 35 13.1 -0.9
V37A	comp=Z,1um,19.0s Hulbert baz=1.8,SNR=9.9	100.83 358	P	Pdifi	00 35 13.4 -0.6
W18A	comp=Z,1um,19.0s Petrified Fore baz=351	100.85 10	P	Pdifi	00 35 14.9 +0.6
W18A	comp=Z,1um,19.0s Petrified Fore baz=351	100.85 10	ePdif	LR	00 35 15.3 +1.0
BELC	comp=Z,1um,19.0s Belle Mtn. Jos baz=346	100.94 16	P	Pdifi	00 35 15.0 +0.3
HBAR	comp=Z,1um,19.0s Harrisburg	100.94 354	PFAKE	LR	00 35 30.0 +1.6
IRM	comp=Z,1um,19.0s Iron Mountain baz=347	100.94 15	P	Pdifi	00 35 15.2 +0.6
V36A	comp=Z,1um,19.0s Jenks baz=1.2	100.95 359	P	Pdifi	00 35 14.5 0.0
PDCCI	comp=Z,1um,19.0s Parker Dam,Lak baz=348	100.98 14	P	Pdifi	00 35 15.0 +0.4
V35A	comp=Z,1um,19.0s Meyer Ranch, C baz=4.5	100.98 359	P	Pdifi	00 35 15.4 +0.7
JSC	comp=Z,1um,19.0s Jenkinsville	101.04 346	PFAKE	LR	00 35 30.0 +1.5
JSC	comp=Z,1um,19.0s Jenkinsville	101.04 346	PFAKE	LR	00 35 30.0 +1.5
MURC	comp=Z,1um,19.0s Murietta baz=346	101.08 17	P	Pdifi	00 35 15.4 +0.2
W45A	comp=Z,1um,19.0s Hickory Valley baz=6.2	101.22 353	P	Pdifi	00 35 15.8 +0.1
PFO	comp=Z,1um,19.0s Pinyon Flats O	101.22 16	P	Pdifi	00 35 15.6 -0.3
PFO	comp=Z,1um,19.0s Pinyon Flats O	101.22 16	eP	MLR	00 35 15.7 -0.2
PFO	comp=Z,1um,19.0s Pinyon Flats O	101.22 16	eP	MLR	00 35 15.7 -0.2
PFO	comp=Z,1um,19.0s Pinyon Flats O	101.22 16	ePdif	LR	00 35 15.7 -0.2
PFO	comp=Z,1um,19.0s Pinyon Flats O	101.22 16	ePdif	LR	00 35 15.7 -0.2

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like Circle Diamond, Santa Rosalia, Kingsville, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like Villavicencio, Tolima, Prado, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like LANU, LANU, LANU, etc.

ISCJB 01 00:30:02.7:0.5,39.65N:0.02:38.70E:0.03,h6km,5km, Error ellipse: s-maj=4.3km s-min=3.4km az=29.9

CSEM 01 00:30:02.6:0.2,39.64N:38.68E,h10km,MD3.2, Error ellipse: s-maj=4.2km s-min=3.4km az=37.0

DDA 01 00:30:02.2,39.64N:38.70E,h7km,MD3.2 ISK 01 00:30:02.5,39.68N:38.70E,h11km,MD2.8

ISC 01 00:30:02.4:1.1,39.63N:0.02:38.69E:0.02,h8km,9gkm,n29,+0947/51,Turkey

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



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Table with columns: SVSK, SVSK, SVRC, SVRC, YEDR, YEDR, YEDI, YEDI. Rows: Karacayir, Karacayir, Sirvice-ELAZID, Sirvice-ELAZID, Yedisu-Bingol, Yedisu-Bingol, Yedisu-Bingol, Yedisu-Bingol.

NIED 01 00:37:00, 43.60N; 147.80E, h74km, Mw4.7. Best double couple: M0.130000x1016 NP1.0x25.00000, delta.00000, lambda.00000. NP2.0x293.00000, delta3.00000, lambda.164.00000.

JMA 01 00:37:03.1+0.3, 43.65N; 147.78E, h7km, M4.1. IDC 01 00:37:03.6-3.0, 45.11N; 147.42E, h0km, mb3.9/6, mb1.4, 1.6, mb1mx3.7/38, mbtrp3.9/6, Error ellipse: s-maj=76.4km s-min=30.8km az=144.0.

SKHL 01 00:37:04.1-0.3, 43.81N; 148.00E, h40km, mb4.7/3. ISC 01 00:37:01.1-2.5, 43.66N; 148.02E, h1, h49km, 20km, n21, c1570/28, mb3.9/6, 2D, East of Kuril Islands

Main table for Kuril Islands region. Columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like SHIKOTAN, SHO, KUR, YUK, etc.

CSEM 01 00:50:23.0-7.0, 50.35N; 18.79E, h2km, Error ellipse: s-maj=5.3km s-min=2.2km az=32.0.

Table for Poland region. Columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like OKC, OKC, OKC, etc.

ISK 01 00:51:43.6, 38.82N; 43.21E, h6km, MD2.6. ISCJB 01 00:51:44.2, 1.2, 38.69N; 0.08, 43.32E; 0.07, h41km, 12km, Error ellipse: s-maj=13.8km s-min=7.0km az=152.2.

CSEM 01 00:51:45.1-0.4, 38.80N; 43.21E, h10km, ML2.7, Error ellipse: s-maj=9.9km s-min=6.8km az=174.0.

DDA 01 00:51:47.4, 38.62N; 43.12E, h7km, ML2.7. ISC 01 00:51:45.3+1.0, 38.72N; 0.04, 43.25E; 0.04, h29km, 8km, n18, c142/31, Turkey

Main table for Turkey region. Columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like VANB, VANB, VANB, etc.

IDC 01 01:03:52.5, 1.4, 0.08N; 123.25E, h138km, 12km, mb4.9/32, mb1.5, 0.3/3, mb1mx3.0/38, mbtrp3.3/33, M54.1/7, M51.4, 1.7, ms1mx3.8/30, Error ellipse: s-maj=13.9km s-min=7.2km az=73.0.

BJI 01 01:03:52.0, 0.01N; 123.340E, h140km, mb5.3/68, mb5.3/44. GCMT 01 01:03:53.0, 0.0, 0.03N; 123.40E, h147km, 1km, MW5.3/122, Moment Tensor Solution, s79, c11; s122, c206; Duration: 1s0 Moment tensor: Scale 1017

Nm: M=0.82; 0.02; M0=0.80; 0.02; M0=0.01; 0.02. M=0.48; 0.02; M0=0.11; 0.02; M0=0.28; 0.02. Best double couple: M0.98500x1017 NP1.0x79.00000, delta.62.00000, lambda.72.00000. NP2.0x294.00000, delta3.00000, lambda.120.00000. Principal axes: T=1.0350, Plg68.0000, Azm314.0000; N=0.0990, Plg16.0000, Azm88.0000; P=0.9360, Plg15.0000, Azm182.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. ISCJB 01 01:03:53.0-2.0, 0.01S; 0.01N; 123.42E; 0.02, h165km, 2km, mb5.3/223 Error ellipse: s-maj=2.6km s-min=2.3km az=139.5.

MOS 01 01:03:53.1+1.3, 0.17N; 123.17E, h153km, mb5.3/69, MS4.1/4, Error ellipse: s-maj=8.6km s-min=4.6km az=114.1. NEIC 01 01:03:53.5, 0.0, 0.05N; 123.37E, h143km, 9km, mb5.4/137, Error ellipse: s-maj=4.2km s-min=3.1km az=58.0.

NEIC Felt [III] at Luwuk. DUA 01 01:03:54.4+0.1, 0.1N; 123.3E, h147km, 1km, M5.0/39, mb5.2/39, mb5.4/19, MLV5.6/7, Mw(mb)4.8/19. KLM 01 01:03:54.4+0.1, 0.09N; 123.23E, h176km, mb5.3. ISC 01 01:03:53.9, 0.3, 0.04N; 123.03E; 0.03, h150km, 2km, h150km; pP-N, 1.315, c1936/1414, mb5.4/223, 61C-18D, Minahasa Peninsula, Sulawesi

Main table for Sulawesi region. Columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like CIBINONG, LUWU, LUWU, etc.

Main table for Indonesia region. Columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like CAUYAN, GENYEM, CISIMPET, etc.





CJR	Cluj-Napoca	96.70 317	↑P	P	01 17 06.6 -0.8	baz=287	MPMC	Manual Prospec	113.19	50	P	PKIKP	01 22 15.1 +0.7	PCBR	Castelo Branco	120.23	318	ePKPdf	PKPdf	01 22 27.8 +0.3
LOT	Lotru	96.74 316	↑P	P	01 17 06.8 -0.9	baz=288	LRMC	Laurel Mtn Rd	113.22	51	P	PKIKP	01 22 15.4 +1.0	ISCO	Idaho Springs	120.32	42	ePKPdf	PKPdf	01 22 28.3 +0.1
KWP	Kalwaria Pacia	96.90 320	eP	P	01 17 07.0 -1.2		LRMC	Laurel Mtn Rd	113.22	51	P	PKIKP	01 22 15.4 +1.0	ISCO	Idaho Springs	120.32	42	ePKIKP	PKPdf	01 22 29.1 +0.9
KWP	Kalwaria Pacia	96.90 320	eP	P	01 17 07.0 -1.2		LRMC	Laurel Mtn Rd	113.22	51	P	PKIKP	01 22 15.4 +1.0	ISCO	Idaho Springs	120.32	42	ePKPdf	PKPdf	01 22 29.1 +0.9
BOSA	Bosohof	97.18 241	e	P	01 17 09.4 -0.6	comp=Z,7.3nm,0.9s,ba=92,slow=3.1,SNR=8.1	FURC	Furnace Creek,	113.54	50	P	PKIKP	01 22 15.9 +1.1	A32A	Rocking H Ranc	120.37	29	P	PKPdf	01 22 27.1 -0.4
DRGR	97.30 317	↑P	P	01 17 08.5 -1.6		BFSO	Mount Baldy Ra	113.61	52	P	PKIKP	01 22 15.6 +0.5	PMRV	Marv7?o	120.37	317	ePKPdf	PKPdf	01 22 27.8 -0.1	
DRGR	97.30 317	↑P	P	01 17 08.5 -1.6		BOZ	Bozeman (W)	113.69	39	P	PKIKP	01 22 15.4 +0.4	C31A	Lamanan Farms,	120.48	31	ePKPdf	PKPdf	01 22 27.2 -0.6	
UZH	Uzhgorod	97.31 319	dP	P	01 17 08.5 -1.5		EGMT	Eagleton	113.70	36	P	PKIKP	01 22 15.2 +0.4	B32A	Ashes, Strandq	120.69	30	P	PKPdf	01 22 27.1 -1.1
UZH	Uzhgorod	97.31 319	dP	P	01 17 08.5 -1.5		EGMT	Eagleton	113.70	36	P	PKIKP	01 22 15.2 +0.4	B32A	Ashes, Strandq	120.69	30	P	PKPdf	01 22 27.1 -1.1
VTS	Vitosha	97.48 313	↑P	P	01 17 08.6 -2.6		TR1V	Topohatch Spring	113.85	49	P	PKIKP	01 22 16.0 +0.4	PBAR	Barrocas	120.72	316	ePKPdf	PKPdf	01 22 28.8 +0.3
VTS	Vitosha	97.48 313	↑P	P	01 17 08.6 -2.6		TR1V	Topohatch Spring	113.85	49	P	PKIKP	01 22 16.0 +0.4	PBAR	Barrocas	120.72	316	ePKPdf	PKPdf	01 22 28.8 +0.3
BEL	Belsk	97.76 322	eP	P	01 17 11.0 -0.9		TPNA	Troy Canyon, C	113.87	47	P	PKIKP	01 22 16.2 +0.6	PESTR	Pestrenoz	120.78	317	ePKPdf	PKPdf	01 22 28.5 -0.7
BEL	Belsk	97.76 322	eP	P	01 17 11.0 -0.9		TPNA	Troy Canyon, C	113.87	47	P	PKIKP	01 22 16.2 +0.6	PESTR	Pestrenoz	120.78	317	ePKPdf	PKPdf	01 22 28.5 -0.7
CRVS	Cervenica-Dubn	97.82 319	eP	P	01 17 11.5 -0.8		GSC	Goldstone, Bar	113.95	51	P	PKIKP	01 22 17.1 +1.4	TORD	Torodi Ar. Bea	120.79	285	PKP	PKPdf	01 22 28.5 -0.8
CRVS	Cervenica-Dubn	97.82 319	eP	P	01 17 11.5 -0.8		GSC	Goldstone, Bar	113.95	51	P	PKIKP	01 22 17.1 +1.4	TORD	Torodi Ar. Bea	120.79	285	PKP	PKPdf	01 22 28.5 -0.8
STHS	Stebnicka Huta	97.88 320	eP	P	01 17 11.8 -0.8		MFC	Flin Flin	114.01	27	iPKIKP	PKPdf	01 22 15.3 +0.2	TORD	comp=Z,1.3nm,0.7s,ba=68,slow=2.0,SNR=59		PP	01 23 56.8 -2.8		
STHS	Stebnicka Huta	97.88 320	eP	P	01 17 11.8 -0.8		MFC	Flin Flin	114.01	27	iPKIKP	PKPdf	01 22 15.3 +0.2	TORD	comp=Z,1.3nm,0.7s,ba=68,slow=2.0,SNR=59		PP	01 23 56.8 -2.8		
SIRR	Siria	98.09 317	↑P	P	01 17 12.0 -1.6		SHOC	Shoshone, Teco	114.17	50	P	PKPdf	01 22 16.9 +0.9	TOA1	Torodi Ar. Sit	120.79	285	ePKPdf	PKPdf	01 22 28.5 -0.8
SIRR	Siria	98.09 317	↑P	P	01 17 12.0 -1.6		SHOC	Shoshone, Teco	114.17	50	P	PKPdf	01 22 16.9 +0.9	TOA1	Torodi Ar. Sit	120.79	285	ePKPdf	PKPdf	01 22 28.5 -0.8
BZS	Buzias	98.21 316	↑P	P	01 17 12.1 -2.1		109C	Camp Elliot, M	114.44	54	P	PKPdf	01 22 17.5 +0.9	TOA1	Torodi Ar. Sit	120.79	285	ePKPdf	PKPdf	01 22 28.5 -0.8
BZS	Buzias	98.21 316	↑P	P	01 17 12.1 -2.1		109C	Camp Elliot, M	114.44	54	P	PKPdf	01 22 17.5 +0.9	TOA1	Torodi Ar. Sit	120.79	285	ePKPdf	PKPdf	01 22 28.5 -0.8
NIE	Niedzica	98.48 320	eP	Pdf	01 17 15.6 +0.3		HEC	Hector,Ludlow	114.49	51	P	PKPdf	01 22 17.8 +1.0	A33A	Warroad	120.89	29	P	PKKfPbc	01 22 26.6 -1.0
NIE	Niedzica	98.48 320	eP	Pdf	01 17 15.6 +0.3		HEC	Hector,Ludlow	114.49	51	P	PKPdf	01 22 17.8 +1.0	A33A	Warroad	120.89	29	P	PKKfPbc	01 22 26.6 -1.0
KECS	Kecevo	98.52 319	eP	P	01 17 12.9 -2.6		TUC	Tucson	114.59	51	P	PKPdf	01 22 18.1 +1.1	D31A	Mccalfin, Tow	120.97	32	P	PKPdf	01 22 28.2 -0.5
KECS	Kecevo	98.52 319	eP	P	01 17 12.9 -2.6		TUC	Tucson	114.59	51	P	PKPdf	01 22 18.1 +1.1	D31A	Mccalfin, Tow	120.97	32	P	PKPdf	01 22 28.2 -0.5
OJC	Ojcow	98.66 321	eP	P	01 17 15.0 -0.7		PFO	Pinyon Flats O	114.75	53	PKP	PKPdf	01 22 18.4 +1.1	Q24A	Divide	121.04	43	ePKPdf	PKPdf	01 22 29.2 -0.4
OJC	Ojcow	98.66 321	eP	P	01 17 15.0 -0.7		PFO	Pinyon Flats O	114.75	53	PKP	PKPdf	01 22 18.4 +1.1	Q24A	Divide	121.04	43	ePKPdf	PKPdf	01 22 29.2 -0.4
OJC	Ojcow	98.66 321	eP	P	01 17 14.8 -1.3		PFO	Pinyon Flats O	114.75	53	PKP	PKPdf	01 22 18.4 +1.1	Q24A	Divide	121.04	43	ePKPdf	PKPdf	01 22 29.2 -0.4
LANS	Liptovska Anna	99.07 320	eP	Pdf	01 17 17.2 -0.8		PFO	Pinyon Flats O	114.75	53	PKP	PKPdf	01 22 18.2 +0.8	Q24A	Divide	121.04	43	ePKPdf	PKPdf	01 22 29.2 -0.4
LANS	Liptovska Anna	99.07 320	eP	Pdf	01 17 17.2 -0.8		PFO	Pinyon Flats O	114.75	53	PKP	PKPdf	01 22 18.2 +0.8	Q24A	Divide	121.04	43	ePKPdf	PKPdf	01 22 29.2 -0.4
VYHS	Vyhne	99.60 319	eP	Pdf	01 21 25.7 -1.6		PFO	Pinyon Flats O	114.75	53	PKP	PKPdf	01 22 18.9 +1.5	AGM1	Agassiz Nation	121.09	30	P	PKPdf	01 22 28.0 -1.0
VYHS	Vyhne	99.60 319	eP	Pdf	01 21 25.7 -1.6		PFO	Pinyon Flats O	114.75	53	PKP	PKPdf	01 22 18.9 +1.5	AGM1	Agassiz Nation	121.09	30	P	PKPdf	01 22 28.0 -1.0
VYHS	Vyhne	99.60 319	eP	Pdf	01 21 25.7 -1.6		PFO	Pinyon Flats O	114.75	53	PKP	PKPdf	01 22 18.9 +1.5	AGM1	Agassiz Nation	121.09	30	P	PKPdf	01 22 28.0 -1.0
OKC	Ostrava-Krasne	99.78 321	eP	Pdf	01 17 20.2 -0.8		HEL	Hector,Ludlow	114.90	40	P	PKPdf	01 22 18.4 +0.9	AGM1	Agassiz Nation	121.09	30	P	PKPdf	01 22 28.0 -1.0
OKC	Ostrava-Krasne	99.78 321	eP	Pdf	01 17 20.2 -0.8		HEL	Hector,Ludlow	114.90	40	P	PKPdf	01 22 18.4 +0.9	AGM1	Agassiz Nation	121.09	30	P	PKPdf	01 22 28.0 -1.0
MORC	Moravsky Berou	100.17 321	↑P	P	01 17 20.0 -0.9		MONP	Monument Peak	114.99	53	P	PKPdf	01 22 19.0 +1.2	AGM1	Agassiz Nation	121.09	30	P	PKPdf	01 22 28.0 -1.0
MORC	Moravsky Berou	100.17 321	↑P	P	01 17 20.0 -0.9		MONP	Monument Peak	114.99	53	P	PKPdf	01 22 19.0 +1.2	AGM1	Agassiz Nation	121.09	30	P	PKPdf	01 22 28.0 -1.0
PDG	Podgorica	100.40 313	↑P	Pdf	01 17 21.6 -2.3		GMRC	Granite Mounta	115.01	51	P	PKPdf	01 22 19.3 +1.5	D32A	Dogwood Acres,	121.28	31	P	PKPdf	01 22 28.8 -0.6
PDG	Podgorica	100.40 313	↑P	Pdf	01 17 21.6 -2.3		GMRC	Granite Mounta	115.01	51	P	PKPdf	01 22 19.3 +1.5	D32A	Dogwood Acres,	121.28	31	P	PKPdf	01 22 28.8 -0.6
DAG	Danmarks Havn	100.42 352	iP	Pdf	01 17 21.5 -1.8		TPAW	Teton Pass	115.06	41	ePKPdf	PKPdf	01 22 19.2 +1.3	PBEJ	Braten, Kindr	121.36	316	ePKPdf	PKPdf	01 22 29.8 0.0
DAG	Danmarks Havn	100.42 352	iP	Pdf	01 17 21.5 -1.8		TPAW	Teton Pass	115.06	41	ePKPdf	PKPdf	01 22 19.2 +1.3	PBEJ	Braten, Kindr	121.36	316	ePKPdf	PKPdf	01 22 29.8 0.0
DAG	Danmarks Havn	100.42 352	iP	Pdf	01 17 21.5 -1.8		TPAW	Teton Pass	115.06	41	ePKPdf	PKPdf	01 22 19.2 +1.3	PBEJ	Braten, Kindr	121.36	316	ePKPdf	PKPdf	01 22 29.8 0.0
BSD	Bornholm Skovb	100.47 326	iP	Pdf	01 17 22.7 -1.2		DUG	Dugway, Tooele	115.18	45	P	PKPdf	01 22 19.0 +1.0	SDCO	Great Sand Dun	121.37	44	P	PKPdf	01 22 30.7 +0.5
BSD	Bornholm Skovb	100.47 326	iP	Pdf	01 17 22.7 -1.2		DUG	Dugway, Tooele	115.18	45	P	PKPdf	01 22 19.0 +1.0	SDCO	Great Sand Dun	121.37	44	P	PKPdf	01 22 30.7 +0.5
BSD	Bornholm Skovb	100.47 326	iP	Pdf	01 17 22.7 -1.2		DUG	Dugway, Tooele	115.18	45	P	PKPdf	01 22 19.0 +1.0	SDCO	Great Sand Dun	121.37	44	P	PKPdf	01 22 30.7 +0.5
NB2	NORSAR Subarray 100.56 333	P	Pdf	01 17 21.7 -2.6		DUG	Dugway, Tooele	115.18	45	P	PKPdf	01 22 19.0 +1.0	SDCO	Great Sand Dun	121.37	44	P	PKPdf	01 22 30.7 +0.5	
NB2	NORSAR Subarray 100.56 333	P	Pdf	01 17 21.7 -2.6		DUG	Dugway, Tooele	115.18	45	P	PKPdf	01 22 19.0 +1.0	SDCO	Great Sand Dun	121.37	44	P	PKPdf	01 22 30.7 +0.5	
NB20	NORSAR Array S 100.56 333	eP	Pdf	01 17 22.0 -2.3		DUG	Dugway, Tooele	115.18	45	P	PKPdf	01 22 19.0 +1.0	SDCO	Great Sand Dun	121.37	44	P	PKPdf	01 22 30.7 +0.5	
NB20	NORSAR Array S 100.56 333	eP	Pdf	01 17 22.0 -2.3		DUG	Dugway, Tooele	115.18	45	P	PKPdf	01 22 19.0 +1.0	SDCO	Great Sand Dun	121.37	44	P	PKPdf	01 22 30.7 +0.5	
NOA	NORSAR Array B 100.56 333	P	Pdf	01 17 22.0 -2.3		DUG	Dugway, Tooele	115.18	45	P	PKPdf	01 22 19.0 +1.0	SDCO	Great Sand Dun	121.37	44	P	PKPdf	01 22 30.7 +0.5	
NOA	NORSAR Array B 100.56 333	P	Pdf	01 17 22.0 -2.3		DUG	Dugway, Tooele	115.18	45	P	PKPdf	01 22 19.0 +1.0	SDCO	Great Sand Dun	121.37	44	P	PKPdf	01 22 30.7 +0.5	
NOA	NORSAR Array B 100.56 333	P	Pdf	01 17 22.0 -2.3		DUG	Dugway, Tooele	115.18	45	P	PKPdf	01 22 19.0 +1.0	SDCO	Great Sand Dun	121.37	44	P	PKPdf	01 22 30.7 +0.5	
KSP	Ksiaz	100.72 322	eP	Pdf	01 17 24.6 -0.6		DUG	Dugway, Tooele	115.18	45	P	PKPdf	01 22 19.0 +1.0	SDCO	Great Sand Dun	121.37	44	P	PKPdf	01 22 30.7 +0.5
KSP	Ksiaz	100.72 322	eP	Pdf	01 17 24.6 -0.6		DUG	Dugway, Tooele	115.18	45	P	PKPdf	01 22 19.0 +1.0	SDCO	Great Sand Dun	121.37	44	P	PKPdf	01 22 30.7 +0.5
DPC	Dobruska-Polom	100.81 321	eP	Pdf	01 17 24.3 -1.4		DUG	Dugway, Tooele	115.18	45	P	PKPdf	01							

E37A	Wrenshall	123.99	29	P	PKPdf	01 22 34.0	-0.6	E44A	Grand Marais A	126.90	25	P	PKPdf	01 22 40.0	-0.2	R39A	Chumby, Stover	129.23	37	P	PKPdf	01 22 44.9	0.0
H35A	Sunnyside Ranc	124.03	32	P	PKPdf	01 22 34.3	-0.4	O36A	Bolckow	126.92	37	P	PKPdf	01 22 39.8	-0.6	Y35A	Marietta	129.24	44	P	PKPdf	01 22 44.7	-0.2
MNTX	Cornudas Mount	124.14	51	P	PKPdf	01 22 35.9	+0.5	K39A	Delwin	126.95	32	P	PKPdf	01 22 39.2	-1.1	T38A	Diamond	129.25	39	P	PKPdf	01 22 44.7	-0.2
MNTX	Cornudas Mount	124.14	51	ePKPdf	PKPdf	01 22 36.2	+0.9	N37A	Lee Faris, Mou	126.96	35	P	PKPdf	01 22 40.1	-0.3	N42A	Yates City	129.25	33	P	PKPdf	01 22 44.3	-0.5
C39A	Grand Marais	124.14	27	P	PKPdf	01 22 34.2	-0.6	F43A	Flat Rock, Esc	126.97	26	P	PKPdf	01 22 39.9	-0.4	O41A	Passleys Farm,	129.28	34	P	PKPdf	01 22 44.5	-0.3
K33A	Hardington	124.17	35	P	PKPdf	01 22 34.7	-0.4	41A	Arkdale	127.03	30	P	PKPdf	01 22 39.4	-1.0	X36A	Centrahoma	129.34	43	P	PKPdf	01 22 45.2	0.0
BGNE	Belgrade	124.22	37	P	PKPdf	01 22 34.6	-0.7	Q35A	Mercer Eighty,	127.05	38	P	PKPdf	01 22 40.4	-0.3	Q40A	Laux Farm, Aux	129.36	36	P	PKPdf	01 22 44.5	-0.5
BGNE	Belgrade	124.22	37	ePKPdf	PKPdf	01 22 35.3	0.0	S34A	Willow Spring	127.06	40	P	PKPdf	01 22 40.2	-0.5	L44A	Lake County Fo	129.39	30	P	PKPdf	01 22 44.8	-0.2
G36A	St. Michael	124.24	31	P	PKPdf	01 22 35.1	0.0	J40A	Soldiers Grove	127.07	31	P	PKPdf	01 22 39.6	-0.9	M43A	Waltham Townsh	129.39	31	P	PKPdf	01 22 44.5	-0.6
L33A	Hoskins	124.29	36	P	PKPdf	01 22 34.9	-0.4	P36A	Good Intent, A	127.09	37	P	PKPdf	01 22 39.9	-0.8	V37A	Hubbert	129.40	41	P	PKPdf	01 22 45.1	-0.1
J34A	George	124.34	34	P	PKPdf	01 22 34.9	-0.5	M38A	Pleasantville	127.11	34	P	PKPdf	01 22 40.2	-0.5	S39A	Bolivar	129.45	38	P	PKPdf	01 22 44.8	-0.4
E38A	The Farm, Brul	124.37	29	P	PKPdf	01 22 35.0	-0.3	G43A	Wallace	127.18	27	P	PKPdf	01 22 40.4	-0.3	P41A	Barry, Barry	129.48	34	P	PKPdf	01 22 45.0	-0.3
F37A	Hinrichs Farm,	124.40	30	P	PKPdf	01 22 35.5	0.0	F44A	Big Bay de Noc	127.19	26	P	PKPdf	01 22 40.8	+0.1	U38A	Gravette	129.56	40	P	PKPdf	01 22 45.1	-0.5
I35A	Creekview Farm	124.51	33	P	PKPdf	01 22 34.8	-0.8	R35A	Emporia Munci	127.27	39	P	PKPdf	01 22 41.0	-0.1	W37B	Quinton	129.64	42	P	PKPdf	01 22 45.6	-0.1
H36A	Jesseland, He	124.59	32	P	PKPdf	01 22 36.0	+0.2	L39A	Vinton	127.29	33	P	PKPdf	01 22 40.4	-0.6	O42A	Bath	129.67	33	P	PKPdf	01 22 45.4	-0.2
K34A	Le Mars	124.64	35	P	PKPdf	01 22 35.2	-0.7	Q36A	Arnold C. Orve	127.34	38	P	PKPdf	01 22 40.7	-0.5	R40A	Maddies Statio	129.70	37	P	PKPdf	01 22 45.3	-0.4
SCHO	Schefferville	124.67	7	PKP	PKPdf	01 22 36.1	+0.5	H42A	Shiocton	127.35	28	P	PKPdf	01 22 40.5	-0.6	Y36A	Durant	129.77	44	P	PKPdf	01 22 46.2	+0.2
SCHO	Schefferville	124.67	7	ePKPdf	PKPdf	01 22 35.6	-0.3	K40A	Colesburg	127.35	32	P	PKPdf	01 22 40.5	-0.6	T39A	Cleaver	129.84	39	P	PKPdf	01 22 45.9	-0.1
F38A	Pierce - Schro	124.68	29	P	PKPdf	01 22 35.2	-0.9	O37A	Wolven Farm, M	127.38	36	P	PKPdf	01 22 40.9	-0.3	HDIL	Hopedale	129.85	32	P	PKPdf	01 22 45.4	-0.5
M35A	Taylor Creek F	124.70	36	P	PKPdf	01 22 35.2	-0.8	T34A	McClaskey Farm	127.40	41	P	PKPdf	01 22 41.5	+0.1	HDIL	Hopedale	129.85	32	ePKPdf	PKPdf	01 22 45.8	-0.1
J35A	Milford	124.71	34	P	PKPdf	01 22 36.2	-0.1	E45A	Wooded Hills,	127.42	25	P	PKPdf	01 22 41.4	+0.3	TRUX	Truxton	129.87	35	P	PKPdf	01 22 46.0	0.0
CBKS	Cedar Bluff	124.72	41	P	PKPdf	01 22 36.2	-0.1	J41A	Loganville	127.46	30	P	PKPdf	01 22 41.0	-0.3	ZAIG	Zacatecas	129.88	60	ePKPdf	PKPdf	01 22 46.7	+1.9
CBKS	Cedar Bluff	124.72	41	ePKKf	PKPdf	01 22 36.7	+0.4	N38A	Joes South For	127.50	35	P	PKPdf	01 22 41.1	-0.3	V38A	Canehill	129.89	40	P	PKPdf	01 22 45.7	-0.5
CBKS	Cedar Bluff	124.72	41	ePKKf	PKPdf	01 22 35.5	-0.5	S35A	Otter Creek Ra	127.58	40	P	PKPdf	01 22 41.7	0.0	M44A	Midewin, Midew	129.90	31	P	PKPdf	01 22 46.3	+0.3
SPMN	Marine on St.	124.73	31	P	PKPdf	01 22 35.7	-0.3	W35A	Wichita Mounta	127.58	44	P	PKPdf	01 22 41.6	-0.2	HHAR	Hobbs	129.94	40	ePKPdf	PKPdf	01 22 46.1	-0.1
IP6A	Fitzsimmons Fa	124.92	32	P	PKPdf	01 22 36.0	-0.5	WMOK	Wichita Mounta	127.58	44	P	PKPdf	01 22 42.1	+0.3	P42A	Winchester	129.95	34	P	PKPdf	01 22 46.3	+0.2
L34A	Svensden Farm,	124.94	36	P	PKPdf	01 22 35.9	-0.6	WMOK	Wichita Mounta	127.58	44	ePKKf	PKPdf	01 22 42.1	+0.3	WHTX	Lake Whitney,	129.96	46	P	PKPdf	01 22 46.5	+0.1
E39A	Mellend	125.01	28	P	PKPdf	01 22 35.0	-0.5	WMOK	Wichita Mounta	127.58	44	ePKKf	PKPdf	01 22 41.0	-0.6	WHTX	Lake Whitney,	129.96	46	ePKPdf	PKPdf	01 22 47.3	+0.9
N33A	J Bar K, Exete	125.05	37	P	PKPdf	01 22 36.1	-0.7	I42A	Draeger Farm,	127.63	29	P	PKPdf	01 22 41.0	-0.6	X37A	Clayton	130.00	42	P	PKPdf	01 22 46.7	+0.2
M34A	Aspy Farms, Fr	125.10	36	P	PKPdf	01 22 35.9	-1.0	P37A	Bluff Ridge	127.63	37	P	PKPdf	01 22 41.1	-0.6	Z36A	Bluff Ridge	130.01	44	P	PKPdf	01 22 46.6	+0.1
MSTX	Muleshoe	125.10	47	P	PKPdf	01 22 37.3	0.0	M39A	Webster	127.64	34	P	PKPdf	01 22 41.4	-0.3	S40A	Lebanon	130.01	37	P	PKPdf	01 22 46.1	-0.2
MSTX	Muleshoe	125.10	47	ePKPdf	PKPdf	01 22 38.0	+0.7	JFWS	Jewell Farm	127.67	31	ePKKf	PKPdf	01 22 41.0	-0.7	O43A	Sugar Creek Fa	130.03	33	P	PKPdf	01 22 45.8	-0.5
K35A	Storm Lake	125.11	34	P	PKPdf	01 22 36.0	-0.9	JFWS	Jewell Farm	127.67	31	ePKKf	PKPdf	01 22 41.0	-0.7	U39A	Green Forest	130.17	39	P	PKPdf	01 22 46.2	-0.5
H37A	Dierke Farm, C	125.12	31	P	PKPdf	01 22 36.2	-0.6	R36A	Gordon, Harris	127.71	39	P	PKPdf	01 22 41.4	-0.5	Y37A	Hugo	130.18	43	P	PKPdf	01 22 46.6	-0.1
F39A	Loretta	125.17	29	P	PKPdf	01 22 37.2	+0.3	H43A	Windswept, Lux	127.74	28	P	PKPdf	01 22 41.3	-0.5	R39A	Rosebud	130.22	36	P	PKPdf	01 22 46.8	+0.1
J36A	Seneca 1, Swea	125.21	33	P	PKPdf	01 22 37.2	+0.2	L40A	Anamosa	127.75	32	P	PKPdf	01 22 41.2	-0.7	833A	Chaparral WMA,	130.28	52	P	PKPdf	01 22 48.2	+1.0
G38A	Ridgeland	125.25	30	P	PKPdf	01 22 36.2	-0.8	O38A	Galt	127.80	36	P	PKPdf	01 22 41.7	-0.3	T40A	Blansfield	130.29	38	P	PKPdf	01 22 46.5	-0.4
I37A	Lemond, Waseca	125.25	32	P	PKPdf	01 22 36.9	-0.2	F45A	Biological	127.81	25	P	PKPdf	01 22 42.1	+0.2	N44A	Piper City	130.29	31	P	PKPdf	01 22 46.7	-0.1
E40A	Wakfield	125.27	28	P	PKPdf	01 22 37.0	-0.1	K41A	Shullsburg	127.86	31	P	PKPdf	01 22 41.5	-0.5	W38A	Poteau	130.29	41	P	PKPdf	01 22 47.1	+0.1
L35A	Bielow Farm, R	125.32	35	P	PKPdf	01 22 37.8	+0.5	N39A	Derby Farms, D	127.86	34	P	PKPdf	01 22 41.4	-0.7	M45A	Boilermakers S	130.30	30	P	PKPdf	01 22 46.8	0.0
O33A	Hebron	125.36	38	P	PKPdf	01 22 36.9	-0.6	KIC	Kosan Boka	127.87	278	ePKKf	PKPdf	01 22 42.6	-0.3	Q42A	Golden Eagle	130.30	35	P	PKPdf	01 22 46.8	0.0
H38A	Malden Rock	125.38	31	P	PKPdf	01 22 36.9	-0.4	T35A	Sooner Cattle	127.90	41	P	PKPdf	01 22 42.3	-0.1	X38A	Whitesboro	130.32	42	P	PKPdf	01 22 47.6	+0.5
D41A	Chassel	125.41	26	P	PKPdf	01 22 37.5	+0.2	DBIC	Dimbokro	127.95	278	PKP	PKPdf	01 22 43.2	+0.1	P43A	Skaggs, Pawnee	130.37	33	P	PKPdf	01 22 46.7	-0.3
G39A	Holcombe	125.50	29	P	PKPdf	01 22 37.2	-0.3	DBIC	Dimbokro	127.95	278	ePKKf	PKPdf	01 22 43.3	+0.3	136A	Ennis	130.37	45	P	PKPdf	01 22 46.9	-0.3
F40A	Park Falls	125.55	28	P	PKPdf	01 22 37.2	-0.3	I43A	Langenfeld Bro	128.00	29	P	PKPdf	01 22 42.0	-0.3	V39A	Pettigrew	130.40	40	P	PKPdf	01 22 46.6	-0.6
N34A	Lincoln	125.56	37	P	PKPdf	01 22 37.2	-0.6	S36A	Lake Cedric, C	128.01	39	P	PKPdf	01 22 42.4	-0.2	CCM	Cathedral Cave	130.47	36	ePKKf	PKPdf	01 22 47.3	+0.1
K36A	Gilmore City	125.60	34	P	PKPdf	01 22 37.5	-0.3	Q37A	Longview Farm,	128.01	37	P	PKPdf	01 22 41.6	-0.9	CCM	Cathedral Cave	130.47	36	ePKKf	PKPdf	01 22 47.3	+0.1
M37A	Neola	125.65	36	P	PKPdf	01 22 37.5	-0.4	ABTX	Abilene, Hawle	128.05	47	P	PKPdf	01 22 43.2	+0.4	S41A	Jillco Farms,	130.47	37	P	PKPdf	01 22 47.0	-0.2
J35A	Redenius Farm,	125.65	33	P	PKPdf	01 22 37.1	-0.7	ABTX	Abilene, Hawle	128.05	47	ePKKf	PKPdf	01 22 44.1	+1.3	435B	Jarell	130.49	48	P	PKPdf	01 22 47.6	+0.2
E41A	Kenton	125.69	27	P	PKPdf	01 22 37.4	-0.4	M40A	Post Highland	128.05	33	P	PKPdf	01 22 42.2	-0.3	N45A	Kentland	130.57	31	P	PKPdf	01 22 47.2	-0.1
HPIG	Scanlan Farm,	125.77	56	ePKPdf	PKPdf	01 22 39.8	+0.9	F46A	Macinaw City C	128.06	25	P	PKPdf	01 22 42.4	0.0	O44A	Mansfield	130.58	32	P	PKPdf	01 22 47.2	-0.2
L36A	Harm Buss Farm	12																					

Code	Station Name	°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
AA	Ann Arbor	131.31	27	ePKIKP	PKP	01	22	49.1	+0.4	
AA	Ann Arbor	131.31	27	ePKIKP	PKP	01	22	49.0	+0.4	
AA	Mountainview	131.38	39	P	PKP	01	22	49.1	+0.1	
431A	Hebronville	131.41	53	P	PKP	01	22	50.6	+1.3	
337A	Centerville	131.46	46	P	PKP	01	22	50.3	+1.1	
835A	Beeville	131.52	51	P	PKP	01	22	50.5	+1.1	
437A	Phantom Ranch	131.53	47	P	PKP	01	22	49.9	+0.5	
436A	Smother's Creek	131.53	49	P	PKP	01	22	50.3	+0.9	
636A	Smother's Creek	131.53	49	ePKIKP	PKP	01	22	51.5	+2.1	
X301	Greenbrier Sit	131.56	40	ePKIKP	PKP	01	22	49.2	+0.3	
PLVO	Plevna	131.58	19	ePKIKP	PKP	01	22	49.2	+0.1	
Z39A	Irene McRaven	131.58	43	P	PKP	01	22	49.8	+0.3	
R44A	Waltonville	131.59	34	P	PKP	01	22	49.3	0.0	
U42A	Reviden	131.59	38	P	PKP	01	22	49.1	-0.2	
238A	Jacksonville	131.63	45	P	PKP	01	22	50.1	+0.5	
P43A	Rosedale	131.63	32	P	PKP	01	22	49.8	+0.4	
246A	Greenville	131.68	36	P	PKP	01	22	49.7	+0.2	
LNIG	Linares	131.70	56	ePKIKP	PKP	01	22	50.1	+0.2	
W41B	Gary Mavity, V	131.70	40	P	PKP	01	22	49.5	-0.1	
047A	Sheridan	131.71	30	P	PKP	01	22	49.0	-0.4	
Y40A	Okolona	131.74	42	P	PKP	01	22	49.9	+0.2	
X40A	Cassin Creek Fa	131.75	41	P	PKP	01	22	49.4	-0.3	
139A	Bunkhouse Ranc	131.76	44	P	PKP	01	22	50.9	+1.0	
736A	Circle Diamond	131.78	50	P	PKP	01	22	51.0	+1.0	
537A	Green Hill Far	131.79	48	P	PKP	01	22	51.4	+1.5	
OLIL	Olney	131.79	33	ePKIKP	PKP	01	22	50.1	+0.4	
PBMO	Polmar Bluff	131.80	37	ePKIKP	PKP	01	22	49.3	-0.4	
V42A	Cord	131.84	39	P	PKP	01	22	49.7	-0.1	
338A	Crockett	131.86	46	P	PKP	01	22	50.3	+0.3	
444A	Carbondale	131.87	35	P	PKP	01	22	49.9	0.0	
UALR	University of	131.89	40	ePKIKP	PKP	01	22	50.8	+0.8	
X31A	Encino	131.93	53	P	PKP	01	22	51.1	+0.8	
045A	Kaden, Bauxite	131.95	41	P	PKP	01	22	50.4	+0.3	
WLAR	White Oak Lake	132.04	42	ePKIKP	PKP	01	22	51.4	+1.1	
438A	Sam Houston St	132.06	47	P	PKP	01	22	51.5	+1.1	
Z39A	Gary	132.08	45	P	PKP	01	22	51.7	+0.7	
U43A	Rector	132.08	37	P	PKP	01	22	50.3	0.0	
NATX	Nacogdoches	132.09	45	P	PKP	01	22	50.9	+0.5	
NATX	Nacogdoches	132.09	45	ePKIKP	PKP	01	22	52.1	+1.6	
T44A	Benton	132.09	36	P	PKP	01	22	50.9	+0.6	
637A	Eagle Lake	132.10	49	P	PKP	01	22	51.9	+1.4	
W42A	Bald Knob	132.10	39	P	PKP	01	22	50.3	-0.1	
Z40A	Long Farm, Mag	132.11	43	P	PKP	01	22	51.3	+0.9	
005Z	Hargill	132.17	53	P	PKP	01	22	51.2	+0.4	
HKT	Hockley	132.21	48	ePKIKP	PKP	01	22	53.4	+2.8	
HKT	Hockley	132.21	48	ePKIKP	PKP	01	22	53.4	+2.8	
Y41A	Martinsville	132.22	31	P	PKP	01	22	51.5	+1.0	
414A	Eaglettle Beard	132.26	41	P	PKP	01	22	51.2	+0.5	
S45A	Carrier Mills	132.26	35	P	PKP	01	22	52.1	+0.6	
BLO	Bloomington	132.32	32	ePKIKP	PKP	01	22	51.1	+0.4	
BLO	Bloomington	132.32	32	ePKIKP	PKP	01	22	51.1	+0.4	
140A	Cam and Jess	132.35	43	P	PKP	01	22	51.3	+0.4	
V43A	Jonesboro	132.38	38	P	PKP	01	22	51.3	+0.5	
339A	Huntington	132.40	45	P	PKP	01	22	51.2	+0.1	
PRI	Presque Isle	132.41	11	ePKIKP	PKP	01	22	50.5	-0.1	
U44A	Portageville	132.42	37	P	PKP	01	22	51.3	+0.3	
X42A	Stuttgart	132.49	40	P	PKP	01	22	51.3	+0.2	
Z41A	Richland Creek	132.51	42	P	PKP	01	22	51.6	+0.4	
439A	Center Grove	132.54	46	P	PKP	01	22	51.8	+0.4	
240A	Hunter Patters	132.56	44	P	PKP	01	22	51.2	-0.2	
USIN	University of	132.57	34	ePKIKP	PKP	01	22	52.4	+1.2	
U44B	Burford Farm, H	132.74	36	P	PKP	01	22	51.4	-0.1	
LONY	Lake Ozonia	132.75	17	ePKIKP	PKP	01	22	51.7	+0.4	
340A	Bronson	132.83	45	P	PKP	01	22	52.1	+0.3	
141A	Papa Simpson	132.83	43	P	PKP	01	22	52.5	+0.7	
FR2A	Garnett, Star	132.83	41	P	PKP	01	22	52.1	+0.3	
Y42A	Flat Rink	132.84	16	ePKIKP	PKP	01	22	51.1	-0.4	
X43A	Marvell	132.99	39	P	PKP	01	22	52.5	+0.4	
ERPA	Erie	133.03	24	ePKIKP	PKP	01	22	52.4	+0.5	
Z42A	Norrel Spur, H	133.07	42	P	PKP	01	22	52.3	+0.1	
U45A	Rockin P Farm	133.08	36	P	PKP	01	22	52.3	+0.1	
WCI	Wyandotte Cave	133.13	32	ePKIKP	PKP	01	22	53.6	+1.4	
WCI	Kirbyville	133.15	46	P	PKP	01	22	53.7	+1.2	
440A	Mo Tay, Golden	133.16	44	P	PKP	01	22	52.9	+0.5	
ACSO	Alum Creek Sta	133.26	28	ePKIKP	PKP	01	22	52.5	+0.1	
MMNV	Mt. Morris Dam	133.31	22	ePKIKP	PKP	01	22	51.9	-0.5	
Y43A	Makayia and Ka	133.34	40	P	PKP	01	22	53.2	+0.5	
ALLY	Alegheny Cole	133.36	24	ePKIKP	PKP	01	22	49.3	-0.1	
V45A	Humboldt	133.37	37	P	PKP	01	22	52.9	+0.2	
341A	Kurtwood	133.38	45	P	PKP	01	22	53.5	+0.6	
NCCB	Newcomb	133.44	18	ePKIKP	PKP	01	22	53.1	+0.4	
X44A	Crenshaw	133.46	39	P	PKP	01	22	53.0	+0.1	
142A	Monroe	133.51	42	P	PKP	01	22	53.2	+0.2	
W45A	Hickory Valley	133.63	38	P	PKP	01	22	53.2	+0.0	
242A	Grayson	133.66	43	P	PKP	01	22	53.5	+0.1	
M54A	Oil Creek Stat	133.67	24	P	PKP	01	22	52.9	-0.3	
MDV	Middlebury	133.72	17	ePKIKP	PKP	01	22	53.6	+0.5	
Y44A	Strider, Charl	133.77	40	P	PKP	01	22	53.7	+0.2	
WVT	Waverly	133.77	36	ePKIKP	PKP	01	22	53.5	0.0	
WVT	Waverly	133.77	36	ePKIKP	PKP	01	22	53.5	0.0	
143A	Soos Landing	133.78	42	P	PKP	01	22	53.5	-0.1	
LBNH	Lisbon	133.84	15	ePKIKP	PKP	01	22	54.2	+0.8	
LBNH	Lisbon	133.84	15	ePKIKP	PKP	01	22	54.2	+0.8	
OXF	Oxford	133.92	38	ePKIKP	PKP	01	22	53.7	-0.1	
OXF	Oxford	133.92	38	ePKIKP	PKP	01	22	53.7	-0.1	
X45A	UM Field Stati	133.99	38	P	PKP	01	22	53.7	-0.2	
N54A	Moraine State	134.00	25	P	PKP	01	22	53.8	0.0	
Z44A	Pea Ridge, Bel	134.06	40	P	PKP	01	22	53.9	-0.2	
WVL	Waterville	134.09	13	ePKIKP	PKP	01	22	53.9	+0.1	

Code	Station Name	°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
GGN	Saint George	134.12	10	ePKIKP	PKP	01	22	53.8	-0.1	
ACCN	Adirondack Com	134.14	17	ePKIKP	PKP	01	22	53.9	0.0	
Z43A	Waterproof	134.22	43	P	PKP	01	22	54.4	0.0	
H42A	Hanover	134.24	16	ePKIKP	PKP	01	22	54.9	+0.8	
444A	Hanover	134.25	45	P	PKP	01	22	54.9	+0.4	
Y45A	Yeager Farm, C	134.26	39	P	PKP	01	22	55.0	+0.5	
PLAL	Pleak Lake	134.42	37	ePKIKP	PKP	01	22	54.3	-0.4	
Z45A	Winona	134.48	40	P	PKP	01	22	54.8	-0.1	
244A	Avery, Jackson	134.66	42	P	PKP	01	22	54.7	-0.5	
VBMS	Wicksburg	134.67	42	P	PKP	01	22	55.5	+0.2	
Y46A	Houston	134.68	39	P	PKP	01	22	55.0	-0.2	
TR6A	Troersville	134.74	18	ePKIKP	PKP	01	22	56.4	+1.3	
145A	Houston Renfro	134.81	41	P	PKP	01	22	55.8	+0.2	
344A	Westbrook Farm	134.99	43	P	PKP	01	22	56.5	+0.6	
Z46A	Louisville	135.07	39	P	PKP	01	22	55.8	-0.2	
SSPA	Standing Stone	135.12	23	ePKIKP	PKP	01	22	56.2	+0.3	
TLIG	Titapa	135.16	65	ePKIKP	PKP	01	22	58.1	+1.4	
O56A	Blue Knob Stat	135.16	24	P	PKP	01	22	55.9	-0.1	
Y47A	UPCARC, Winif	135.29	38	P	PKP	01	22	56.6	+0.2	
G44A	Union	135.36	40	P	PKP	01	22	57.1	+0.6	
146A	Union	135.36	40	P	PKP	01	22	57.1	+0.6	
SW7A	Sewanee	135.51	35	ePKIKP	PKP	01	22	56.9	+0.1	
345A	Thompson Farm	135.55	42	P	PKP	01	22	58.1	+1.2	
HRV	Adam Dziewonski	135.55	16	ePKIKP	PKP	01	22	57.1	+0.5	
HRV	Adam Dziewonski	135.55	16	ePKIKP	PKP	01	22	57.1	+0.5	
Z47A	Garrison	135.62	39	P	PKP	01	22	56.6	-0.4	
N59A	State Game Lan	135.67	21	P	PKP	01	22	56.8	-0.1	
445A	Amos	135.70	43	P	PKP	01	22	57.3	+0.1	
WES	Weston	135.73	16	ePKIKP	PKP	01	22	57.3	+0.3	
WES	Weston	135.73	16	ePKIKP	PKP	01	22	57.3	+0.3	
Z48A	Northport	135.82	38	P	PKP	01	22	56.8	-0.6	
147A	Livingston	135.84	39	P	PKP	01	22	57.4	0.0	
ODNJ	Ogdensburg	135.93	20	ePKIKP	PKP	01	22	57.9	+0.6	
Z47A	Qutman	136.03	40	P	PKP	01	22	57.6	-0.2	
BRYW	Bryant College	136.11	16	ePKIKP	PKP	01	22	58.0	+0.3	
CPCT	Cooper Cave	136.13	33	ePKIKP	PKP	01	22	60.0	+2.0	
PAL	Palisades	136.23	19	ePKIKP	PKP	01	22	58.4	+0.5	
PAL	Palisades	136.23	19	ePKIKP	PKP	01	22	58.4	+0.5	
BNJ	Bakersville	136.25	22	ePKIKP	PKP	01	22	58.6	+0.6	
PRN	Basking Ridge	136.30</								



U36A	Oologah	148.27	98	P	PKPbc	02 11 58.9	+0.8
344A	Westbrook Farm	148.29	111	P	PKPbc	02 11 59.1	+0.8
WLAR	White Oak Lake	148.29	105	ePKPbc	PKPbc	02 11 59.9	+1.6
V37A	Hulbert	148.35	100	P	PKPbc	02 11 59.1	+0.7
R34A	Isabella, Hill	148.37	94	P	PKPbc	02 11 58.7	+0.3
DGMT	Dagmar	148.38	72	P	PKPbc	02 11 58.8	+0.6
Y40A	Okolona	148.39	104	P	PKPbc	02 11 59.1	+0.5
MIAR	Mount Ida	148.54	103	P	PKPbc	02 11 59.3	+1.0
T36A	Boggs Farm, Ca	148.57	97	P	PKPbc	02 11 59.9	+0.4
S35A	Otter Creek Ra	148.63	96	P	PKPbc	02 11 60.0	+0.9
U37A	Salina	148.68	99	P	PKPbc	02 12 00.2	+0.9
143A	Soes Landing,	148.72	108	P	PKPbc	02 12 00.3	+0.8
244A	Avery, Jackson	148.72	110	P	PKPbc	02 11 59.8	+0.4
Y41A	Eaglette Beard	148.73	105	P	PKPbc	02 12 00.0	+0.6
Z42A	Norrel Spur, H	148.76	107	P	PKPbc	02 12 00.1	+0.6
W39A	Magazine	148.81	102	P	PKPbc	02 11 59.9	+0.3
V38A	Canehill	148.82	100	P	PKPbc	02 11 60.0	+0.3
Q34A	Chapman	148.91	93	P	PKPbc	02 12 00.7	+0.9
O33A	Hebron	149.09	91	P	PKPbc	02 12 00.6	+0.4
S36A	Lake Cedric, C	149.13	96	P	PKPbc	02 12 01.2	+0.8
U38A	Gravette	149.18	99	P	PKPbc	02 12 00.6	+0.1
X41A	Kaden, Bauxite	149.19	104	P	PKPbc	02 12 01.3	+0.7
245A	Little Ap, Sta	149.20	111	P	PKPbc	02 12 00.9	+0.2
KSU1	Kansas State U	149.22	93	P	PKPbc	02 12 01.3	+0.8
KSU1	Kansas State U	149.22	93	ePKPbc	PKPbc	02 12 01.9	+1.4
Y42A	Garnett, Star	149.23	106	P	PKPbc	02 12 00.6	-0.1
T37A	Cheneyville 18	149.23	98	P	PKPbc	02 12 01.1	+0.5
W40A	Ferguson Farm,	149.27	103	P	PKPbc	02 12 01.4	+0.7
V39A	Pettigrew	149.29	101	P	PKPbc	02 12 00.7	-0.2
P34A	Walnut Farm, R	149.32	92	P	PKPbc	02 12 01.7	+1.0
HHAR	Holbrook	149.37	100	ePKPbc	PKPbc	02 12 01.2	+0.2
RES	Resolute Bay	149.46	19	ePKPbc	PKPbc	02 11 59.2	-0.8
Q35A	Merger Estate,	149.47	94	P	PKPbc	02 12 01.7	+0.5
K31A	O'Neill	149.56	86	P	PKPbc	02 12 01.2	-0.1
T38A	Diamond	149.59	99	P	PKPbc	02 12 01.9	+0.4
S37A	Fort Scott	149.65	97	P	PKPbc	02 12 01.9	+0.3
Z44A	Pea Ridge, Bel	149.71	108	P	PKPbc	02 12 02.2	+0.4
U39A	Green Forest	149.73	100	P	PKPbc	02 12 01.8	-0.1
X301	Greenbrier Sit	149.73	103	ePKPbc	PKPbc	02 12 02.7	+0.9
O34A	Beatrice	149.74	91	P	PKPbc	02 12 02.2	+0.5
W41B	Gary Mavity, V	149.78	104	P	PKPbc	02 12 02.1	+0.1
X42A	Stuttgart	149.79	105	P	PKPbc	02 12 02.4	+0.3
W40A	Witts Springs	149.80	103	P	PKPbc	02 12 02.1	0.0
WHAR	Woolly Hollow	149.83	102	ePKPbc	PKPbc	02 12 02.9	+0.8
P35A	Duane Minner,	149.84	93	P	PKPbc	02 12 02.7	+0.6
R37A	Teagarden Farm	149.96	96	P	PKPbc	02 12 02.6	+0.2
U40A	Yellville	150.12	101	P	PKPbc	02 12 02.9	+0.1
T39A	Clever	150.17	99	P	PKPbc	02 12 02.9	-0.1
S38A	Stockton	150.18	98	P	PKPbc	02 12 03.0	+0.1
N34A	Lincoln	150.19	90	P	PKPbc	02 12 02.7	-0.2
V41A	Mountainview	150.22	103	P	PKPbc	02 12 02.7	-0.4
P36A	Good Intent, A	150.42	93	P	PKPbc	02 12 03.6	-0.1
R38A	Fenwick Farm,	150.50	97	P	PKPbc	02 12 03.4	-0.2
H31A	Wolsey	150.55	82	P	PKPbc	02 12 04.0	+0.4
248A	Dixon Mills	150.56	113	P	PKPbc	02 12 04.7	+0.7
S39A	Bolivar	150.59	98	P	PKPbc	02 12 03.9	0.0
147A	Livingston	150.64	112	P	PKPbc	02 12 04.3	+0.2
Y45A	Yeager Farm, C	150.66	108	P	PKPbc	02 12 04.6	+0.5
U41A	Viola	150.71	102	P	PKPbc	02 12 04.1	-0.1
V42A	Cord	150.72	103	P	PKPbc	02 12 04.1	-0.1
T40A	Mansfield	150.80	100	P	PKPbc	02 12 04.4	-0.1
O36A	Bolckew	150.84	93	P	PKPbc	02 12 04.7	+0.3
P37A	Lathrop	150.97	94	P	PKPbc	02 12 04.3	-0.4
M35A	Neola	151.03	90	P	PKPbc	02 12 04.9	+0.1
MDND	Maddock	151.07	75	P	PKPbc	02 12 05.1	+0.4
S40A	Lebanon	151.08	99	P	PKPbc	02 12 04.8	-0.2
Y46A	Houston	151.09	109	P	PKPbc	02 12 04.9	-0.3
Q38A	Cooks Store, C	151.11	96	P	PKPbc	02 12 04.7	-0.3
X45A	UM Field Stati	151.12	108	P	PKPbc	02 12 04.9	-0.3
Z47A	Carrollton	151.12	111	P	PKPbc	02 12 04.8	-0.5
R39A	Chumby, Stover	151.13	98	P	PKPbc	02 12 05.0	-0.1
U42A	Reviden	151.16	103	P	PKPbc	02 12 05.0	-0.2
OXF	Oxford	151.16	102	ePKPbc	PKPbc	02 12 05.5	+0.1
N36A	Muff Farm, Cla	151.19	98	P	PKPbc	02 12 05.8	+0.6
T41A	Mountain View	151.23	101	P	PKPbc	02 12 05.4	0.0
F31A	Hecia	151.24	80	P	PKPbc	02 12 05.4	-0.7
L35A	Bielow Farm, R	151.44	89	P	PKPbc	02 12 05.8	+0.1
ECSD	EROS Data Cent	151.46	85	P	PKPbc	02 12 05.5	-0.3
ECSD	EROS Data Cent	151.46	85	ePKPbc	PKPbc	02 12 06.0	+0.2
G32A	Webster	151.50	82	P	PKPbc	02 12 05.7	-0.1
P38A	Dawn	151.52	95	P	PKPbc	02 12 05.4	-0.6
Z48A	Northport	151.56	111	P	PKPbc	02 12 05.9	-0.4
Q31A	Jilico Farms,	151.56	100	P	PKPbc	02 12 05.7	-0.5
S49A	Willow Grove	151.57	96	P	PKPbc	02 12 05.4	-0.7
R40A	Maddies Statio	151.62	98	P	PKPbc	02 12 05.1	-1.2
N37A	Lee Farris, Mou	151.66	92	P	PKPbc	02 12 06.5	+0.2
W45A	Hickory Valley	151.72	107	P	PKPbc	02 12 06.4	-0.2
Y47A	UCPARC, Winfie	151.73	110	P	PKPbc	02 12 06.1	-0.5

E31A	Nome	151.73	79	P	PKPbc	02 12 06.3	0.0
H33A	Prehn Over Nur	151.77	83	P	PKPbc	02 12 06.3	-0.1
K35A	Storm Lake	151.92	88	P	PKPbc	02 12 06.5	-0.3
P39B	Salisbury	151.96	96	P	PKPbc	02 12 06.5	-0.4
Q40A	Laux Farm, Aux	152.14	97	P	PKPbc	02 12 06.9	-0.5
G33A	Ortonville	152.17	82	P	PKPbc	02 12 07.1	-0.2
R41A	Rosebud	152.20	99	P	PKPbc	02 12 07.0	-0.6
T43A	Greenville	152.21	102	P	PKPbc	02 12 07.0	-0.6
C31A	Landman Farms,	152.25	76	P	PKPbc	02 12 06.8	-0.6
S42A	Caledonia	152.28	101	P	PKPbc	02 12 07.3	-0.5
PLAL	Pickwick Lake	152.30	108	ePKPbc	PKPbc	02 12 07.2	-0.7
U44B	Burton Farm, H	152.35	105	P	PKPbc	02 12 08.1	+0.2
K36A	Gilmore City	152.40	89	P	PKPbc	02 12 07.9	0.0
P40A	Paris	152.44	96	P	PKPbc	02 12 08.3	+0.2
B31A	Greenbush Farm	152.50	75	P	PKPbc	02 12 08.0	+0.1
M38A	Pleasantville	152.65	92	P	PKPbc	02 12 08.5	0.0
T44A	Benton	152.65	103	P	PKPbc	02 12 08.2	-0.4
Q41A	Truxton	152.66	98	P	PKPbc	02 12 08.1	-0.5
S44A	Carbondale	153.23	102	P	PKPbc	02 12 09.8	0.0
A32A	Rocking H Ranc	153.37	75	P	PKPbc	02 12 09.7	-0.2

**MAN 01 02:03:36.656N<123>80E,h8km,mb4.5,ML3.4,MS3.3, 1D, Mindanao**

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
CTBH	Cotabato-PC H	0.79	34I	eP	02 03 48.6	+0.3
PDH	Pagadian	1.34	342	eP	02 03 59.9	0.0
PAGZ	Musuan	1.81	44	eS	02 04 16.6	+0.4
BUKP	Musuan	1.81	44	eS	02 04 04.6	0.0
BUKP	Musuan	1.81	44	eS	02 04 28.8	-0.6

**ISK 01 02:03:36.4, 38.83N<43>56E,h4km,MD2.9**  
**DDA 01 02:03:36.7, 38.83N<43>56E,h7km,MD2.8**  
**ISCJB 01 02:03:37.0, 0.6, 38.85N<0>03<43>58E,0.0,5,h12km,4km,**  
**Error ellipse: s-maj=7.1km s-min=4.7km az=20.2**  
**CSEM 01 02:03:37.1, 0.3, 38.84N<43>57E,h10km,MD2.9, Error**  
**ellipse: s-maj=7.4km s-min=4.7km az=116.0**  
**ISC 01 02:03:36.9, 1.2, 38.84N<0>02<43>57E,0.03,h9km,10km,**  
**n32,=077/48,Turkey**

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
ERCV	ERCVIS-VAN	0.25	315	Op	02 03 42.2	+0.3
ERCV	ERCVIS-VAN	0.25	315	eS	02 03 47.3	-0.9
ERCV	ERCVIS-VAN	0.25	315	eP	02 03 42.4	+0.3
ERCV	ERCVIS-VAN	0.25	315	eS	02 03 47.3	-0.9
VANB	Van	0.28	209	eP	02 03 44.2	-0.1
VANB	Van	0.28	209	eP	02 03 44.2	-0.1
TVAN	Van	0.34	202	P	02 03 17.8	+0.1
TVAN	Van	0.34	202	P	02 03 05.5	-0.3
TVAN	Van	0.34	202	P	02 03 48.3	+0.1
TVAN	Van	0.34	202	P	02 03 50.5	-0.3
CLDR	Caldiran	0.41	42	eP	02 03 45.1	+0.1
CLDR	Caldiran	0.41	42	eP	02 03 45.1	+0.1
CLDR	Caldiran	0.41	42	eP	02 03 45.1	+0.1
CLDR	Caldiran	0.41	42	eP	02 03 45.1	+0.1
ADCV	BITLIS_Adilcev	0.66	267	I	02 03 49.8	+0.1
ADCV	BITLIS_Adilcev	0.66	267	I	02 04 00.9	+0.9
ADCV	BITLIS_Adilcev	0.66	267	I	02 03 49.8	+0.1
ADCV	BITLIS_Adilcev	0.66	267	I	02 04 00.9	+0.9
GEVA	Gevas	0.66	217	I	02 03 48.9	-0.9
GEVA	Gevas	0.66	217	I	02 03 48.9	-0.9
GEVA	Gevas	0.66	217	I	02 03 48.9	-0.9
GEVA	Gevas	0.66	217	I	02 03 48.9	-0.9
TUTA	Tutak	0.81	314	I	02 04 00.0	-0.1
TUTA	Tutak	0.81	314	I	02 03 52.0	-0.6
TUTA	Tutak	0.81	314	I	02 03 52.0	-0.6
AGRB	Hanur-Agry	0.86	329	eP	02 03 53.4	-0.1
AGRB	Hanur-Agry	0.86	329	eP	02 04 05.8	+0.1
AGRB	Hanur-Agry	0.86	329	eP	02 03 53.4	-0.1
AGRB	Hanur-Agry	0.86	329	eP	02 04 05.8	+0.1
TATV	Tatvan	1.07	252	I	02 03 56.6	-0.9
TATV	Tatvan	1.07	252	I	02 04 11.4	-0.1
TATV	Tatvan	1.07	252	I	02 03 56.6	-0.9
TATV	Tatvan	1.07	252	I	02 04 11.4	-0.1
GURO	Guroymak-BITLI	1.23	257	ePn	02 03 59.5	-1.2
GURO	Guroymak-BITLI	1.23	257	ePn	02 04 17.7	+0.4
GURO	Guroymak-BITLI	1.23	257	ePn	02 03 59.5	-1.2
GURO	Guroymak-BITLI	1.23	257	ePn	02 04 17.7	+0.4
TASB	TASBURUN-IGDIR	1.25	24	ePn	02 04 01.1	+0.1
TASB	TASBURUN-IGDIR	1.25	24	ePn	02 04 01.1	+0.1
TASB	TASBURUN-IGDIR	1.25	24	ePn	02 04 01.1	+0.1
TASB	TASBURUN-IGDIR	1.25	24	ePn	02 04 01.1	+0.1
VRTB	Varto-Mus	1.67	282	ePn	02 04 07.5	-0.5
VRTB	Varto-Mus	1.67	282	ePn	02 04 07.5	-0.5
VRTB	Varto-Mus	1.67	282	ePn	02 04 07.5	-0.5
VRTB	Varto-Mus	1.67	282	ePn	02 04 07.5	-0.5
SENK	Senkaya-Erzuru	1.96	332	ePn	02 04 11.8	-1.0
SENK	Senkaya-Erzuru	1.96	332	ePn	02 04 11.8	-1.0
SENK	Senk					



mb1 3.9/21,mb1mx3.4/6,mbtmp4.0/21,ML3.9/3,MS3.1/2, Ms1 3.1/2,ms1mx2.6/49,Error ellipse: s-maj=21.1km s-min=15.8km az=77.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CHQJ Chosi, JHO Hitachi, ONAJ Iwakimizuishiy, etc.

MAN 01 02:59:50.1255N-120.92E,h12km,mb4.1,ML3.0,MS2.7, 1C,Mindoro

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SJMP San Jose, PGP Puerto Galera, etc.

SOME 01 03:00:08.2,43.62N-82.23E,h0km NNC 01 03:00:11.0,3.0,43.80N-82.16E,h3km,12km,mb2.6, mpv2.2,Error ellipse: s-maj=36.1km s-min=6.5km az=126.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DJR Jarkent, DJK Jarkent, etc.

Table with columns: SHLS, Shalkode, Time, Res, ISC, h, m, s, ISC. Includes stations like SHLS 8.6nm,0.2s, UZB 0.8nm,0.4s, etc.

ISCJB 01 03:04:30.9,0.5,38.66N,0.03:43.27E,0.04,h14km,5km, Error ellipse: s-maj=5.8km s-min=4.7km az=16.8

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like VANB Van, YANB Van, etc.

IDC 01 03:06:01.2,0.8,30.07S:176.62W,h0km,mb4.0/5, mb1 4.3/7,mb1mx4.1/23,mbtmp4.1/7,ML3.9/2,MS3.5/5, Ms1 3.5/5,ms1mx3.1/28,Error ellipse: s-maj=24.8km s-min=2.0km az=42.0

ISCJB 01 03:08:02.1,1.0,30.38S:176.74W,0.1,h24km, mb4.1/8,MS3.5/4,Error ellipse: s-maj=15.6km s-min=6.8km az=176.1

NEIC 01 03:06:05.0,0.6,30.30S:176.76W,h35km,mb4.4/9,Error ellipse: s-maj=16.9km s-min=12.3km az=99.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RAO Raoul Island, URZ Urewera, etc.

Table with columns: MJAR Matushiro Arr, PLCA Paso Flores, TXAR Py, etc. Includes station codes and coordinates.

WEL 01 03:17:55.0,5.3,71.55N:177.83E,h41km,5km,ML3.7/17, 4C-1D,Error ellipse: s-maj=4.3km s-min=2.4km az=0.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MXZ Matakaoa Point, HAZ Te Kaha, etc.

SOME 01 03:22:00.0,43.62N-82.28E,h0km NNC 01 03:22:06.8,4.5,43.92N-82.10E,h10km,19km,mb2.6, mpv2.3,Error ellipse: s-maj=42.6km s-min=11.4km az=126.0

ISC 01 03:21:59.7,2.7,43.82N:0.09:82.3E,0.1,h8km,13km,n8, r=134/16,5C-3D,Northern Xinjiang

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DJR Jarkent, DJK Jarkent, etc.

ISCJB 01 03:28:12.9,1.0,71.94N:0.05:0.3W,0.3,h10km,mb3.4/6, MS3.4/6,Error ellipse: s-maj=14.5km s-min=6.9km az=175.2

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CSEM 01 03:28:12.0,0.5,71.85N:1.45W,h10km,ML3.2,Error ellipse: s-maj=14.4km s-min=5.9km az=65.0

Table with columns: LOF, Lofoten, SNR, 6.14 121 eP, Pn, 03 29 45.8 +0.8, etc. Includes stations like Lofoten, Hornsund, Steigen, Tromsø, etc.

ISK 01 03:57:32.8, 38°50'N:43°17'E, h5km, MD2.5
CSEM 01 03:57:33.2, 0.2, 38°66'N:43°17'E, h2km, MD2.5, Error
ellipse: s-maj=3.7km s-min=3.2km az=22.0

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

ISK 01 04:04:02.0, 39°07'N:40°47'E, h3km, MD2.7
DDA 01 04:04:03.2, 39°06'N:40°42'E, h7km, MD2.8
CSEM 01 04:04:03.2, 0.2, 39°07'N:40°42'E, h2km, MD2.7, Error
ellipse: s-maj=4.0km s-min=3.6km az=28.0

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

Table with columns: YEDI, Yedisu-Bingol, 0.37 14 ePg, Pg, 04 04 10.1 +0.5, etc. Includes stations like BINGOL, Tunceli-Merkez, etc.

SOME 01 04:06:15.5, 43°60'N:82°18'E, h5km
ISC 01 04:06:15.1, 2.7, 43°65'N:0°08:82'E, 0.1, h11km, 14km, n7,
c096/14, 1C-3D, Northern Xinjiang

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

CSEM 01 04:06:25.7, 0.2, 38°68'N:43°31'E, h15km, MD2.6, Error
ellipse: s-maj=4.7km s-min=3.3km az=131.0
DDA 01 04:06:26.0, 38°69'N:43°30'E, h7km, MD2.6

ISC 01 04:06:25.4, 38°67'N:43°29'E, h8km, MD2.6
ISC 01 04:06:26.2, 0.5, 38°68'N:0°03:43'E, 0.05, h11km, 5km,
Error ellipse: s-maj=6.7km s-min=3.9km az=33.7

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

IDC 01 04:24:57.7, 2.9, 7°68'S:127°42'E, h112km, 27km, mb3.7/9,
mb1.4/0.12, mb1mx3.7/30, mbtmp4.3/12, MS2.9/2,
Ms1.2.9/2, ms1mx2.6/31, Error ellipse: s-maj=24.2km
s-min=11.5km az=74.0

DJA 01 04:24:59.9, 1.1, 8°S:3°12'E, h12km, 8km, Ms.5/3,
mB5.9/1, mb4.9/3, MLV5.8/1, Mw(mB)5.1/4
ISCJB 01 04:25:00.6, 0.4, 7.83S:0°04:127°56E, 0.0, h150km,
mb4.1/1, Error ellipse: s-maj=5.7km s-min=5.3km
az=29.9

ISC 01 04:25:01.4, 0.5, 7.85S:0°05:127°57E, 0.06, h150km, n26,
c181/32, mb4/0.1, Banda Sea

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

Table with columns: WRA, Alice Springs, 5.9nm, 0.3s, baz=327, slow=23, SNR=12, etc. Includes stations like ASAR, CTX, TGAY, etc.

NIED 01 04:36:00, 46°20'N:153°30'E, h5km, Mw4.4 Best double
couple: M=4.66000x10^15 N1=39.00000°, 851.00000°,
-1.137.00000°. NP2=278.00000°, 658.00000°,
-1.48.00000°

IDC 01 04:36:47.5, 0.7, 45°89'N:153°63'E, h0km, mb4.1/20,
mb1.4/3.23, mb1mx4.1/44, mbtmp4.1/23, ML2.7/3, MS3.0/6,
Ms1.3/1.6, ms1mx2.8/41, Error ellipse: s-maj=17.3km
s-min=14.8km az=138.0

ISCJB 01 04:36:49.4, 0.3, 45°88'N:0°04:153°36'E, 0.05, h27km,
mb4.4/49, MS3.8/5, Error ellipse: s-maj=7.0km
s-min=3.3km az=147.3

NEIC 01 04:36:49.5, 3.8, 45°88'N:153°59'E, h11km, 22km, mb4.7/23,
Error ellipse: s-maj=11.0km s-min=6.0km az=160.0

JMA 01 04:36:49.8, 0.6, 46°15'N:153°31'E, h30km, M4.7
SKHL 01 04:36:50.5, 0.6, 46°00'N:153°27'E, h28km, 5km, mb4.9/6
MOS 01 04:36:51.1, 1.3, 45°97'N:153°49'E, h33km, mb4.5/24, Error
ellipse: s-maj=10.6km s-min=9.8km az=98.4

ISC 01 04:36:52.0, 0.6, 45°96'N:0°07:153°41'E, 0.06, h27km, n164,
c233/160, mb4.5/64, MS3.6/5, 15C-5D, East of Kuril
Islands

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

ISC 01 04:24:57.7, 2.9, 7°68'S:127°42'E, h112km, 27km, mb3.7/9,
mb1.4/0.12, mb1mx3.7/30, mbtmp4.3/12, MS2.9/2,
Ms1.2.9/2, ms1mx2.6/31, Error ellipse: s-maj=24.2km
s-min=11.5km az=74.0

DJA 01 04:24:59.9, 1.1, 8°S:3°12'E, h12km, 8km, Ms.5/3,
mB5.9/1, mb4.9/3, MLV5.8/1, Mw(mB)5.1/4
ISCJB 01 04:25:00.6, 0.4, 7.83S:0°04:127°56E, 0.0, h150km,
mb4.1/1, Error ellipse: s-maj=5.7km s-min=5.3km
az=29.9

ISC 01 04:25:01.4, 0.5, 7.85S:0°05:127°57E, 0.06, h150km, n26,
c181/32, mb4/0.1, Banda Sea

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

JKK2	Kamakawa 2	7.85 258	P	Pn	04 38 44.0	-0.5
PET	Petrovavlovsk	7.86 24	ePN	Pn	04 38 43.1	-1.5
PET	Petrovavlovsk	7.86 24	eP	Sn	04 40 06.9	-5.6
PET			eS	A	04 40 11.7	
comp=Z,40nm,0.6s						
JCH	Churui	7.94 249	P	Pn	04 38 43.0	-2.8
JCH			eS	Pn	04 40 07.2	-7.5
MYR	Moyori	8.15 247	eP	Pn	04 38 46.6	-2.1
UGL	Uglegorsk	8.29 296	ePN	Pn	04 38 46.5	-4.0
UGL	Uglegorsk	8.29 296	eP	Pn	04 38 49.6	-0.9
JB2T	Biratori 2	8.52 252	P	Pn	04 38 51.3	-2.5
JB2T			eS	Pn	04 40 23.7	-5.3
TYV	Tymovskoe	8.67 308	ePN	Pn	04 38 42.8	-1.3
comp=Z,22nm,1.7s						
TYV	Tymovskoe	8.67 308	eP	Pn	04 38 55.1	-0.7
YKB	Kayabe	8.91 250	P	Pn	04 39 07.8	-3.6
YKB			eS	Pn	04 44 41.8	-1.2
OKH	Okha	10.18 322	AMS	AMS	04 40 28.0	
JTM	Tenmabayashi	10.36 244	eS	Pn	04 41 01.3	-1.3
HABR	Khabarovsk	12.73 288	ePN	Pn	04 39 47.9	-3.4
comp=Z,15nm,1.0s						
HABR			pmx	pmx		
comp=N,4.0nm,0.8s						
HABR			pmx	pmx		
comp=E,22nm,0.8s						
HABR			pmx	pmx		
comp=Z,8.0nm,0.8s						
HABR			MLR	MLR		
comp=Z,9.1nm,1.4,0s						
HABR	Khabarovsk	12.73 288	eP	Pn	04 39 47.9	-3.4
HABR			AMB	AMB	04 39 48.9	
comp=Z,20nm,1.0s						
HABR			AMS	AMS	04 45 05.2	
comp=Z,100nm,1.0s						
MA2	Magadan	13.74 354	Pn	Pn	04 40 06.6	+1.6
comp=Z,1.1nm,0.3s,baz=174,slow=19,SNR=4.4						
MA2			LR	LR	04 44 56.0	
comp=Z,7.7nm,2.1s,baz=173,slow=35						
MA2	Magadan	13.74 354	eP	Pn	04 40 06.6	+1.6
MA2			AMS	AMS	04 44 56.0	
comp=Z,100nm,2.2,0s						
MAJO	Matsushiro	14.78 236	eP	Pn	04 40 27.2	+2.2
MAJO	Matsushiro	14.78 236	eP	Pn	04 40 16.8	-2.6
MAJO	Matsushiro	14.78 236	ePn	Pn	04 40 27.2	+2.2
MJAR	Matsushiro Arr	14.78 236	Pn	Pn	04 40 14.9	-4.4
comp=Z,0.5nm,0.3s,baz=26,slow=12,SNR=4.1						
MJAR			LR	LR	04 47 39.1	
comp=Z,33nm,20.8s,baz=20,slow=44						
KLR	Kul'dur	14.96 290	Pn	Pn	04 40 23.1	+1.3
comp=Z,0.0nm,0.3s,baz=109,slow=11,SNR=5.2						
KLR			LR	LR	04 46 46.8	
comp=Z,6.7nm,19.2s,baz=102,slow=40						
EKMR	Ekimchan	15.04 306	eP	Pn	04 40 22.1	-0.7
USKR	Ussuriysk Ar.	15.23 271	Pn	Pn	04 40 26.0	+0.7
comp=Z,0.5nm,0.3s,baz=75,slow=14,SNR=5.3						
MDJ	Mudanjiang	16.80 274	P	Pn	04 40 46.2	+0.8
comp=Z,10.0nm,0.8s						
MDJ			pmx	pmx		
comp=Z,29nm,3.8s						
MDJ	Mudanjiang	16.80 274	ePn	Pn	04 40 46.4	+1.0
comp=Z,12nm,0.9s						
SEY	Seymchan	17.02 358	eP	Pn	04 40 47.6	-0.5
SEY	Seymchan	17.02 358	eP	Pn	04 40 47.6	-0.5
KROS	Kirovskiy	18.84 306	eP	AMB	04 41 12.2	
comp=Z,3.0nm,0.5s						
CLNS	Chul'man	20.70 312	eP	P	04 41 24.1	-6.0
comp=N,5.0nm,0.9s						
CLNS			pmx	pmx		
comp=Z,10.0nm,0.8s						
CLNS			pmx	pmx		
comp=E,6.0nm,0.9s						
KSRS	Korea Array	20.77 255	P	P	04 41 33.2	+2.3
comp=E,2.1nm,0.8s,baz=69,slow=10,SNR=5.7						
KS15	Wonju Array Si	20.80 255	eP	P	04 41 33.2	+1.9
KSAR	Wonju Array Be	20.80 255	P	P	04 41 33.2	+1.9
KSAR	Wonju Array Be	20.80 255	P	P	04 41 33.2	+1.9
KSAR	Wonju Array Be	20.80 255	P	P	04 41 33.2	+1.9
YAK	Yakutsk	21.10 328	P	P	04 41 33.7	-0.6
comp=E,12nm,0.4s,baz=149,slow=8,SNR=3.4						
YAK	Yakutsk	21.10 328	eP	P	04 41 33.7	-0.6
comp=Z,0.5nm,0.5s						
BILL	Bilibino	23.12 121	eP	P	04 41 56.7	+0.9
BILL			e	P	04 42 21.3	
comp=Z,11nm,0.9s						
BILL			MLR	MLR		
comp=Z,94nm,17.0s						
BILL	Bilibino	23.12 121	eP	P	04 41 56.7	+0.9
TIXI	Tiksi	28.29 344	P	P	04 42 41.0	-1.9
comp=Z,0.7nm,0.3s,baz=120,slow=8,SNR=7.7						
TIXI	Tiksi	28.29 344	pmx	pmx	04 42 41.4	-1.5
comp=Z,7.0nm,2.0s						
TIXI	Tiksi	28.29 344	eP	P	04 42 41.4	-1.5
H11N2	WAKE ISLAND Hy	28.42 152	T	T	05 12 28.4	
H11N1	WAKE ISLAND Hy	28.43 153	T	T	05 12 15.7	
H11N3	WAKE ISLAND Hy	28.44 152	T	T	05 12 25.8	
H11S1	WAKE ISLAND Hy	29.50 154	T	T	05 13 31.7	
H11S3	WAKE ISLAND Hy	29.51 154	T	T	05 13 38.7	
H11S2	WAKE ISLAND Hy	29.52 154	T	T	05 13 49.5	
ULN	Ulaanbaatar	31.36 291	eP	P	04 43 10.8	+0.2
ULN			pmx	pmx		
comp=Z,1.0nm,0.5s						
ULN	Ulaanbaatar	31.36 291	eP	P	04 43 10.8	+0.2
SONA0	Songino Array	31.80 291	eP	P	04 43 15.3	+1.0
SONM	Songino Array	31.80 291	eP	P	04 43 15.3	+0.9
comp=Z,0.6nm,0.7s,baz=76,slow=8,SNR=3.2						
SVW2	Sparvevohn	32.92 44	P	P	04 43 24.3	+0.4
comp=Z,9nm,1.8s						
OHAK	Old Harbor	34.11 51	P	P	04 43 32.8	-1.5
KDAK	Kodiak Island	34.45 50	P	P	04 43 35.7	-1.5
comp=Z,8.1nm,1.8s						
KDAK	Kodiak Island	34.45 50	P	P	04 43 35.7	-1.5
comp=Z,2.7nm,0.6s,baz=272,slow=12,SNR=4.0						
KDAK	Kodiak Island	34.45 50	eP	P	04 43 35.7	-1.5
comp=Z,8.3nm,1.5s						
KTH	Kantishna Hill	35.24 40	eP	P	04 43 45.3	+1.2
comp=Z,3.1nm,1.4s						
WRH	Wood River Hill	36.52 38	eP	P	04 43 53.4	-1.5
comp=Z,30nm,1.8s						
COLA	College	36.64 38	eP	P	04 43 56.5	+0.6
COLA			pmx	pmx		
comp=Z,16nm,2.4s						
COLA	College	36.64 38	eP	P	04 43 56.5	+0.6
DHY	Denali Highway	36.83 41	eP	P	04 43 54.8	-3.0
comp=Z,1.1nm,1.2s						
ILAR	Eielson Array	37.05 38	eP	P	04 43 58.4	-1.0
comp=Z,0.8nm,0.7s,baz=76,slow=6,SNR=7.9						
ILB	Eielson Array	37.05 38	eP	P	04 43 58.4	-1.0
GTA	Goatai	39.30 280	eP	P	04 44 19.6	+0.7
GTA			pp	pp	04 44 23.9	-3.0
GTA			sp	sp	04 44 26.8	-3.4
comp=Z,4.0nm,1.2s						
EGAK	Eagle	39.50 38	eP	P	04 44 19.1	-0.9
comp=Z,8.0nm,1.0s						
HYT	Haines Junction	41.71 43	eP	P	04 44 37.5	-1.0
comp=Z,9nm,1.8s						
ZAA1	Zalesovo Array	43.24 307	eP	P	04 44 50.3	-0.5
ZALV	Zalesovo Beam	43.24 307	eP	P	04 44 50.3	-0.6
comp=Z,0.5nm,0.4s,baz=60,slow=12,SNR=2.8						
MK32	Makanchi Array	47.49 298	P	P	04 45 24.2	-0.5
MKAR	Makanchi Array	47.49 298	P	P	04 45 24.2	-0.5
comp=Z,2.0nm,0.8s,baz=69,slow=7.7,SNR=8.9						
MKAR	Makanchi Array	47.49 298	eP	P	04 45 24.1	-0.5
KURK	Kurchatov	47.98 304	eP	P	04 45 28.3	0.0
KURK			pmx	pmx		
comp=Z,14nm,0.9s						
KURK	Kurchatov	47.98 304	eP	P	04 45 28.3	0.0
KURK	Kurchatov	47.98 304	eP	P	04 45 29.4	+1.1
comp=Z,10nm,0.9s						
BRVK	Borovyoe	51.56 310	eP	P	04 45 55.5	-0.1

BRVK	comp=Z,4.0nm,0.6s		pmx	pmx			
BRVK	Borovyoe	51.56 310	eP	P	04 45 55.5	-0.1	
BRVK	Borovyoe	51.56 310	eP	P	04 45 55.5	-0.1	
comp=Z,4.3nm,0.6s							
CMAR	Chiang Mai Arr	52.38 257	LR	LR	04 50 36.8		
comp=Z,35nm,18.1s,baz=40,slow=39							
AAK	Ala-Archa	54.37 297	eP	P	04 46 17.1	+0.5	
comp=Z,4.0nm,1.0s							
AAK	Ala-Archa	54.37 297	eP	P	04 46 17.1	+0.5	
AAK	Kashi	55.15 293	eP	P	04 46 17.1	+0.5	
KSH			PcP	PcP	04 46 27.3	+5.0	
KSH			PP	PP	04 48 33.1	+7.6	
KSH			PcS	PcS	04 51 26.4	+3.1	
KSH			S	S	04 53 46.1	-1.7	
KSH			ScS	ScS	04 55 57.1	-1.4	
KSH	Kashi	55.15 293	SS	SKIKP	04 47 31.1	+5.3	
comp=Z,6.0nm,0.4s							
KSH			pmx	pmx			
comp=Z,150nm,5.5s							
KSH			LR	LR			
comp=N,110nm,8.3s							
KSH			LR	LR			
comp=E,1.70nm,5.6s							
KSH			LR	LR			
comp=Z,220nm,7.5s							
ARU	Arti	55.74 318	cP	P	04 46 24.6	-1.5	
ARU			SS	SS	04 54 08.0	-2.7	
ARU			SS	SS	04 57 49.4	-6.1	
comp=Z,7.0nm,1.0s							
ARU	Arti	55.74 318	iP	P	04 46 24.6	-1.5	
ARU	ARCESS Array S	58.67 341	eP	P	04 46 47.0	+0.4	
ARU	ARCESS Array B	58.67 341	eP	P	04 46 47.0	+0.4	
comp=Z,5.0nm,1.1s,baz=33,slow=7.5,SNR=3.3							
ABKAR	Akbulaq arr	59.09 310	eP	P	04 46 49.8	-0.1	
comp=Z,2.7nm,0.6s							
SUMG	Summit	61.48	4	iP	P	04 47 11.5	+5.2
comp=Z,10.0nm,0.8s							
SUMG	Summit	61.48	4	iP	P	04 47 23.4	
SUMG	Summit	61.48	4	iP	P	04 47 11.5	+5.2
SUMG	Summit	61.48	4	iP	P	04 47 23.4	
comp=Z,10.0nm,0.8s							
MGPM	Gravel Pit	62.75	63	eP	P	04 47 13.8	-1.4
R11A	Troy Canyon, C	64.74	64	eP	P	04 47 25.2	-0.4
comp=Z,7nm,0.5s							
FIAO	FINESS Array S	64.85	335	eP	P	04 47 28.4	+0.1
FIAO	FINESS Array S	64.85	335	eP	P	04 47 28.4	+0.1
FIAO	FINESS Array S	64.85	335	eP	P	04 47 28.4	+0.1
FIAO	FINESS Array S	64.85	335	eP	P	04 47 28.4	+0.1
comp=Z,3.2nm,0.6s,baz=29,slow=9,SNR=13							
PD31	Pinedale Array	65.05	54	eP	P	04 47 29.5	-0.8
PDAR	Pinedale Array	65.05	54	eP	P	04 47 29.5	-0.8
comp=Z,1.0nm,0.8s,baz=254,slow=1.7,SNR=6.6							
TPUT	Toone Canyon	65.06	56	eP	P	04 47 25.3	-5.1
SHPR	Sheep Range	65.78	62	eP	P	04 47 34.9	0.0
comp=Z,2.9nm,1.0s							
OBN	Obninsk	66.08	326	eP	P	04 47 36.2	-0.1
OBN			eS	S	04 49 59.7		
OBN			pmx	pmx	04 56 29.0	+6.5	
comp=Z,7.0nm,1.2s							
OBN			MLR	MLR			
comp=Z,95nm,16.0s							
OBN	Obninsk	66.08	326	eP	P	04 47 36.2	-0.1
LCMT	Little Creek M	66.62	61	eP	P	04 47 40.9	+0.5
KNB	Kanab	66.87	60	eP	P	04 47 42.8	+0.8
comp=Z,20nm,2.0s							
KNB	Kanab	66.87	60	eP	P	04 47 42.8	+0.8
comp=Z,20nm,2.0s							
GEYT	Alibeco	67.19	301	P	P	04 47 45.8	+2.0
comp=Z,2.0nm,0.5s,baz=20,slow=4.9,SNR=3.9							
GEYT			LR	LR	05 18 11.4		
comp=Z,33nm,19.7s,6z=60,slow=37							
U15A	North Rim	67.58	60	eP	P	04 47 47.2	+0.6
comp=Z,11nm,1.6s							
WR1	Warramunga Arr	67.83	199	eP	P	04 47 45.7	-2.1
comp=Z,29nm,1.9s							
WRM	Warramunga Arr	67.83	199	eP	P	04 47 45.7	-2.1
comp=Z,1.0nm,0.7s,baz=18,slow=6.8,SNR=7.3							
DZA	Mont Dzumac	67.83	167	LR	LR	05 10 40.8	
comp=Z,195nm,19.2s,baz=23,slow=34							
NB2	NORSAR Subarra	69.05	341	P	P	04 47 56.7	+1.7
comp=Z,7.2nm,1.2s,baz=26,slow=6.5							
NB200	NORSAR Array S	69.05	341	P	P	04 47 56.8	+1.7
NOA	NORSAR Array B	69.05	341	P	P	04 47 56.8	+1.7
comp=Z,0.7nm,0.8s,baz=26,slow=6.6,SN							

Table with columns: BRG, PG, Pg, Time, Res, Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KRALC, PRA, GOPC, PRU, CLL, MORC, OKC, VRAC, TREC, NKC, KHC, GERES, SMOL, LANS, VYHS, BSD, CONA, STHS, MOA, KECS, CRVS, ARSA, BLEU, SOKA, DEL, WATA, VXJU, RETA, ABTA, OSKU, BYXU, DAVOX, DAVOX, AKASG, HFS, FINES, EKA, ARCES.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like VANB, TVAN, VMUR, BITLIS, GEVA, CLDR, TATA, AGRB, TATV, GURO, TWC, ENA, ILA, TWE, ENT, NNS, TWD, NSK, TWS, TWA, HWA, NWF, TAP, WHF, TWT, TWS, TWS1, TWS2, WDT, WDW, WDT, TWQ, NSY, YOJ, SMLT, TYC, EHY, TWFI, YUS, YUS, ALS, ALS, CHNS, CHNS, CHN4, CHN4, STYT, IRIF, WTP, WTP, TWK, CHN1, CHN1, CHN1.

Table with columns: JKRS, IJSG, Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JARkent, PDGK, PDGK, SHLS, UZB, UZB, KAPS, KAPS, MNBS, MNBS, SATY, SATY, MK31, MK31, MAZK, MAZK, ARXS, ARXS, ZAAO, ZAAO, ZALV, ZALV, ZALV, TLY, KURK, KURK, KURB, KURB, KURB, KURB, MK31, MK31, MKAR, MKAR, MAZK, MAZK, SONM, SONM, BVAR, BVAR, CMAR, CMAR, TORD, TORD, AFIA, AFIA, DZI, STKA, WRA, ASAR.

ISK 01 05:46:47.5, 38.80N:43.22E, h9km, MD2.5
CSEM 01 05:46:48.5, 0.2, 38.80N:43.21E, h10km, MD2.5, Error ellipse: s-maj=5.0km s-min=4.7km az=139.0

ISC/JB 01 06:11:59.8, 0.9, 24.48N:0.02, 121.191E:0.03, h12km, 3km, Error ellipse: s-maj=4.0km s-min=3.0km az=22.8

ISC/JB 01 06:45:59.1, 0.6, 19.12N:104.15W, h9km, 5km, MD3.7, Near coast of Jalisco

ISK 01 05:46:49.0, 38.76N:43.21E, h7km, Md2.5
ISC 01 05:46:48.8, 0.9, 38.81N:0.03, 43.22E:0.02, h16km, 11km, n20, c086/34, Turkey

1d 7h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ILAR Eielson Array, TXAR Lajitas Array, PDAR Pinedale Array, GERES GERES Array B.

ECXJ 01 07:02:00.3-0.6, 32.06N-115.21W, h10km, MD2.8, ML3.0
MEX 01 07:02:00.8-0.6, 32.07N-115.23W, h5km, MD3.9
NEIC 01 07:02:00.3-0.0, 32.06N-115.21W, h10km, ML2.6(PAS), ML3.0(ECX), After ECX.

ISC 01 07:01:56.8-1.4, 32.06N-115.19W, 0.04, h11km, 12km, n22, 0.1808/34, 5C-4D, California-Baja California border region

Main table for 1d 7h section, listing station data for California border region. Columns include Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

ISC 01 07:02:48.5-376.0, 51.33N-117.50E, h0km, Error ellipse: s-maj=153.0km s-min=135.4km az=102.0, East of Lake Baykal

Table listing station data for East of Lake Baykal region. Columns include Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

MAN 01 07:21:48, 11.87N-125.04E, h7km, mb4.0, ML2.8, MS2.5, ID, Samar

Table listing station data for Samar region. Columns include Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

ISCJB 01 07:36:37.5-0.6, 39.17N-140.89E, 0.05, h16km, mb3.5/4, Error ellipse: s-maj=6.9km s-min=4.7km az=139.8

ISC 01 07:36:37.2-1.3, 39.04N-140.90E, h0km, mb3.5/4, mb1 3.7/5, mb1mx3.4/42, mbmt3.5/5, ML3.1/2, Error ellipse: s-maj=35.9km s-min=26.4km az=110.0

JMA 01 07:36:37.5, 39.17N-140.85E, h8km, 1km, M3.3 Broadband fault plane solution: P waves. NP1: 0.307, 0.0000, 0.85, 0.0000, 0.31, 0.0000. NP2: 0.214, 0.0000, 0.59, 0.0000, 0.17, 0.0000. Principal axes: T P1g25.0000, Azm175.0000, N P1g58.0000, Azm314.0000, P P1g18.0000, Azm76.0000.

ISC 01 07:36:38.8-0.8, 39.13N-140.91E, 0.04, h16km, n17, s=156/16, mb3.6/4, 3C-2D, Eastern Honshu

Main table for 1d 7h section, listing station data for Eastern Honshu region. Columns include Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

JMA 01 07:38:11.7-0.1, 38.44N-142.16E, h31km, 1km, M3.8, Near east coast of eastern Honshu

Table listing station data for Near east coast of eastern Honshu region. Columns include Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

2.11 NOV

Table listing station data for 2.11 NOV section. Columns include Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

ISC 01 07:40:01.9-2.2, 20.27S-177.60W, h487km, 23km, mb3.7/13, mb1 3.9/15, mb1mx3.8/29, mbmt3.6/15, Error ellipse: s-maj=2.2km s-min=1.3km az=140.0

ISCJB 01 07:40:02.5-0.2, 20.30S-177.50W, 0.06, h500km, mb4.5/79, Error ellipse: s-maj=8.9km s-min=5.1km az=42.7

NEIC 01 07:40:03.9-0.6, 20.30S-177.67W, h507km, 7km, mb4.6/66, Error ellipse: s-maj=9.5km s-min=5.4km az=127.0

BUI 01 07:40:05.3, 20.30S-177.70W, h527km, mb4.7/16, mb4.8/13

ISC 01 07:40:02.5-0.4, 20.30S-177.46W, 0.07, h500km, n131, 0.2505/147, mb4.6/80, 5C, Fiji Islands region

Main table for 2.11 NOV section, listing station data for Fiji Islands region. Columns include Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

ISC 01 07:48:51.3-376.0, 51.33N-117.50E, h0km, Error ellipse: s-maj=153.0km s-min=135.4km az=102.0, East of Lake Baykal

Table listing station data for East of Lake Baykal region. Columns include Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

MAN 01 07:21:48, 11.87N-125.04E, h7km, mb4.0, ML2.8, MS2.5, ID, Samar

Table listing station data for Samar region. Columns include Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

ISCJB 01 07:36:37.5-0.6, 39.17N-140.89E, 0.05, h16km, mb3.5/4, Error ellipse: s-maj=6.9km s-min=4.7km az=139.8

ISC 01 07:36:37.2-1.3, 39.04N-140.90E, h0km, mb3.5/4, mb1 3.7/5, mb1mx3.4/42, mbmt3.5/5, ML3.1/2, Error ellipse: s-maj=35.9km s-min=26.4km az=110.0

JMA 01 07:36:37.5, 39.17N-140.85E, h8km, 1km, M3.3 Broadband fault plane solution: P waves. NP1: 0.307, 0.0000, 0.85, 0.0000, 0.31, 0.0000. NP2: 0.214, 0.0000, 0.59, 0.0000, 0.17, 0.0000. Principal axes: T P1g25.0000, Azm175.0000, N P1g58.0000, Azm314.0000, P P1g18.0000, Azm76.0000.

ISC 01 07:36:38.8-0.8, 39.13N-140.91E, 0.04, h16km, n17, s=156/16, mb3.6/4, 3C-2D, Eastern Honshu

Main table for 2.11 NOV section, listing station data for Eastern Honshu region. Columns include Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

26

Table listing station data for 26 section. Columns include Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

ISC 01 07:55:36.3-1.4, 55.59S-125.04W, h0km, mb3.9/4, mb1 4.1/4, mb1mx3.8/22, mbmt3.9/4, MS3.5/4, Ms1 3.4/4, mb1mx3.3/15, Error ellipse: s-maj=55.4km s-min=34.5km az=160.0, Southern East Pacific Rise

ISC 01 07:55:36.3-1.4, 55.59S-125.04W, h0km, mb3.9/4, mb1 4.1/4, mb1mx3.8/22, mbmt3.9/4, MS3.5/4, Ms1 3.4/4, mb1mx3.3/15, Error ellipse: s-maj=55.4km s-min=34.5km az=160.0, Southern East Pacific Rise

Table listing station data for Southern East Pacific Rise region. Columns include Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

ISC 01 07:55:36.3-1.4, 55.59S-125.04W, h0km, mb3.9/4, mb1 4.1/4, mb1mx3.8/22, mbmt3.9/4, MS3.5/4, Ms1 3.4/4, mb1mx3.3/15, Error ellipse: s-maj=55.4km s-min=34.5km az=160.0, Southern East Pacific Rise

Table listing station data for Southern East Pacific Rise region. Columns include Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

ISC 01 07:55:36.3-1.4, 55.59S-125.04W, h0km, mb3.9/4, mb1 4.1/4, mb1mx3.8/22, mbmt3.9/4, MS3.5/4, Ms1 3.4/4, mb1mx3.3/15, Error ellipse: s-maj=55.4km s-min=34.5km az=160.0, Southern East Pacific Rise

Table listing station data for Southern East Pacific Rise region. Columns include Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

ISC 01 07:55:36.3-1.4, 55.59S-125.04W, h0km, mb3.9/4, mb1 4.1/4, mb1mx3.8/22, mbmt3.9/4, MS3.5/4, Ms1 3.4/4, mb1mx3.3/15, Error ellipse: s-maj=55.4km s-min=34.5km az=160.0, Southern East Pacific Rise

Table listing station data for Southern East Pacific Rise region. Columns include Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

ISC 01 07:55:36.3-1.4, 55.59S-125.04W, h0km, mb3.9/4, mb1 4.1/4, mb1mx3.8/22, mbmt3.9/4, MS3.5/4, Ms1 3.4/4, mb1mx3.3/15, Error ellipse: s-maj=55.4km s-min=34.5km az=160.0, Southern East Pacific Rise

Table listing station data for Southern East Pacific Rise region. Columns include Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

ISC 01 07:55:36.3-1.4, 55.59S-125.04W, h0km, mb3.9/4, mb1 4.1/4, mb1mx3.8/22, mbmt3.9/4, MS3.5/4, Ms1 3.4/4, mb1mx3.3/15, Error ellipse: s-maj=55.4km s-min=34.5km az=160.0, Southern East Pacific Rise

Table listing station data for Southern East Pacific Rise region. Columns include Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

ISC 01 07:55:36.3-1.4, 55.59S-125.04W, h0km, mb3.9/4, mb1 4.1/4, mb1mx3.8/22, mbmt3.9/4, MS3.5/4, Ms1 3.4/4, mb1mx3.3/15, Error ellipse: s-maj=55.4km s-min=34.5km az=160.0, Southern East Pacific Rise

Table listing station data for Southern East Pacific Rise region. Columns include Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

ISC 01 07:55:36.3-1.4, 55.59S-125.04W, h0km, mb3.9/4, mb1 4.1/4, mb1mx3.8/22, mbmt3.9/4, MS3.5/4, Ms1 3.4/4, mb1mx3.3/15, Error ellipse: s-maj=55.4km s-min=34.5km az=160.0, Southern East Pacific Rise

Table listing station data for Southern East Pacific Rise region. Columns include Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

ISC 01 07:55:36.3-1.4, 55.59S-125.04W, h0km, mb3.9/4, mb1 4.1/4, mb1mx3.8/22, mbmt3.9/4, MS3.5/4, Ms1 3.4/4, mb1mx3.3/15, Error ellipse: s-maj=55.4km s-min=34.5km az=160.0, Southern East Pacific Rise

Table listing station data for Southern East Pacific Rise region. Columns include Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

ISC 01 07:55:36.3-1.4, 55.59S-125.04W, h0km, mb3.9/4, mb1 4.1/4, mb1mx3.8/22, mbmt3.9/4, MS3.5/4, Ms1 3.4/4, mb1mx3.3/15, Error ellipse: s-maj=55.4km s-min=34.5km az=160.0, Southern East Pacific Rise

Table listing station data for Southern East Pacific Rise region. Columns include Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

H11N2 WAKE ISLAND Hy 94.39 299 T T 09 54 03.1
MKAR Makankari Array 160.85 254 PKPab PKPab 08 16 19.4 -0.6

CSEM 01 08:13:08.8.0.1, 38.70N-43.07E, h16km, 1km, MD2.6,
Error ellipse: s-maj=3.3km s-min=2.8km az=154.0
ISCJ 01 08:13:08.4, 38.71N-43.08E, h15km, MD2.6, ML2.5

ISCB 01 08:13:09.4.0.5, 38.69N-43.08E, h12km, ML3.1, Error
ellipse: s-maj=5.9km s-min=4.4km az=166.6
DDA 01 08:13:09.3, 38.70N-43.08E, h7km, M1.3

ISC 01 08:13:08.8.1.0, 38.70N-43.08E, h16km, 9km,
n26, c0943/42, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like VANB Van, ADCV BITLIS Adilcev, TVAN Van, etc.

DJA 01 08:35:04.0.4.8 S:3.119E, h92km, 7km, M3.7/9,
ML3.7/9, Flores region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like PLA1 Plampang, WSI Waingapu, BSSI Bau Bau, etc.

ISK 01 08:41:31.4, 38.81N-43.56E, h5km, ML2.9
CSEM 01 08:41:32.3.0.2, 38.79N-43.60E, h5km, ML2.9, Error
ellipse: s-maj=5.3km s-min=3.9km az=89.0

DDA 01 08:41:32.0, 38.79N-43.65E, h7km, M1.9
ISCJ 01 08:41:33.2.0.5, 38.84N-43.59E, h12km, 3km,
Error ellipse: s-maj=5.3km s-min=3.8km az=119.0

ISC 01 08:41:32.4.0.9, 38.80N-43.60E, h11km, 7km,
n36, c1510/57, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like VMUR Van-Muradiye, VANB Van, ADCV BITLIS Adilcev, etc.

DDA 01 08:43:30.9, 38.95N-43.60E, h14km, M1.0
ISCJ 01 08:43:31.7.0.6, 38.95N-43.61E, h14km, 4km,
Error ellipse: s-maj=5.7km s-min=3.8km az=106.6

CSEM 01 08:43:31.0.2, 38.93N-43.59E, h12km, ML3.0, Error
ellipse: s-maj=5.6km s-min=3.9km az=106.0
ISK 01 08:43:31.0, 38.93N-43.60E, h15km, MD2.7

ISC 01 08:43:31.2.0.9, 38.96N-43.61E, h12km, 5km,
n33, c0875/7, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like VMUR Van-Muradiye, ERCV ERCIS-VAN, CLDR Caldiran, etc.

SOME 01 09:01:12.9, 40.93N-69.88E, h0km
NMC 01 09:01:14.7.1.7, 40.92N-69.77E, h0km, mb3.7, mpv3.2,
Error ellipse: s-maj=22.9km s-min=11.4km az=112.0

ISC 01 09:01:13.3.1.3, 40.93N-69.97E, h10km, n10,
c1511/16, 8C-2D, Tajikistan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like IUG Iuzhnay, CHM Chimkent, KK31 Karatay Array, etc.

ISK 01 09:08:33.0, 38.72N-43.35E, h2km, ML3.5
DDA 01 09:08:33.8, 38.75N-43.31E, h7km, M1.6
ISCJ 01 09:08:34.6.0.4, 38.74N-43.32E, h10km, 4km,
Error ellipse: s-maj=5.4km s-min=3.4km az=20.7

CSEM 01 09:08:34.2.0.2, 38.74N-43.32E, h2km, ML3.5, Error
ellipse: s-maj=4.7km s-min=3.6km az=118.0
ISC 01 09:08:34.9, 38.73N-43.30E, h12km, 7km,
n62, c1522/82, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like VANB Van, TVAN Van, ERCV ERCIS-VAN, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like GURO Guroymak-BITLI, EKAR Karacoban, EATA Eleskirt, etc.

ISK 01 09:13:45.9, 38.86N-43.64E, h10km, ML3.1
ISCJ 01 09:13:46.8.0.5, 38.90N-43.63E, h14km, 3km,
Error ellipse: s-maj=6.6km s-min=3.9km az=25.0

CSEM 01 09:13:46.5.0.2, 38.90N-43.62E, h12km, ML3.1, Error
ellipse: s-maj=5.5km s-min=3.3km az=119.0
DDA 01 09:13:46.3, 38.93N-43.60E, h19km, M1.3

ISC 01 09:13:46.5.0.9, 38.91N-43.61E, h15km, 5km,
n33, c0871/55, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like VMUR Van-Muradiye, ERCV ERCIS-VAN, CLDR Caldiran, etc.

ISK 01 09:18:04.0, 39.11N-40.50E, h9km, MD2.6
CSEM 01 09:18:04.6.0.3, 39.04N-40.49E, h8km, MD2.6, Error
ellipse: s-maj=7.3km s-min=6.3km az=36.0

DDA 01 09:18:05.1, 39.04N-40.47E, h7km, M1.9
ISC 01 09:18:04.5.0.9, 39.04N-40.47E, h13km, 7km,
n20, c1880/34, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like BINT Bingo, BNGB BINGOL, BNGL BINGOL, etc.

IDC 01 09:18:36.8.385.0, 50.76N-117.87E, h0km, Error ellipse:

1d 9h

2011 NOV

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SONGINO INFRAS, ISUMI INFRASLOW, and PETROPALOVSK24.6.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ANOYIA, MILOS I, and PLAKA.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EFP, VLS, APE, and KARY.

1DC 01 09:21:32.3, 0.6, 35.64N, 22.50E, h0km, mb4.2/20, m1 4.2/27, m1mx4.1/42, mbtmpp4.1/27, ML3.6/6, MS3.4/13, M5.1.3/4/13, ms1mx3.2/38, Error ellipse: s-maj=14.4km, s-min=13.0km az=5.0

1DC 01 09:21:34.2, 1.4, 35.57N, 22.35E, h21km, mb4.4/21, Error ellipse: s-maj=9.3km s-min=5.1km az=82.4

1DC 01 09:21:34.2, 1.4, 35.57N, 22.35E, h21km, mb4.4/21, Error ellipse: s-maj=9.3km s-min=5.1km az=82.4

Main table for Mediterranean Sea stations. Columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ANKY, KYTH, VLI, and GVD.

Main table for stations in the Aegean and Ionian Seas. Columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ANOYIA, MILOS I, and PLAKA.

Main table for stations in the Eastern Mediterranean and Black Sea. Columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EFP, VLS, APE, and KARY.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like TVAN Van, CLDR Caldiran, ADCV BITLIS\_Adilcev, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like TLIG El Cayaco, CAIG El Cayaco, MEIG Mezcala, etc.

ISC 01 10:26:57.0, 38°61'N, 43°11'E, h14km, MD2.6
ISCJB 01 10:26:58.6, 0.6, 38°57'N, 0.04, 43°15'E, 0.04, h25km, 6km,
Error ellipse: s-maj=7.6km s-min=4.7km az=162.8

MEX 01 11:01:56.5, 0.3, 16°49'N, 98°51'W, h13km, 4km, MD3.6,
Near coast of Guerrero
Code Station Name Az Az' Phase ID Time Res ISC

ISC 01 11:21:07.5, 38°76'N, 43°22'E, h6km, ML3.0
DDA 01 11:21:07.8, 38°77'N, 43°21'E, h7km, ML3.6
ISCJB 01 11:21:08.0, 0.3, 38°78'N, 0.02, 43°23'E, 0.03, h8km, 3km,
Error ellipse: s-maj=3.6km s-min=2.9km az=171.8



NEIC 01 12:32:00.0-0.2, 19:83N-109:21W, h10km, mb5.6/300, ME6.2, MS5.9/298, MW6.1, MW6.3, MW6.3, MD6.0(MEX)  
 Origin ellipse: s-maj=4.0km s-min=2.0km az=202.0  
 Moment tensor: Scale 10<sup>18</sup>Nm;  $M_{11}=1.46; M_{22}=1.41; M_{33}=1.64; M_{44}=0.63; M_{55}=1.11; M_{66}=0.09$ ; Best double couple:  $M_{63}=0.0000 \times 10^{18}$  NP1:  $\pm 0.299, 0.0000^*$ ;  $\delta 78, 0.0000^*$ ;  $\lambda=164, 0.0000^*$  NP2:  $\pm 0.205, 0.0000^*$ ;  $\delta 74, 0.0000^*$ ;  $\lambda=12, 0.0000^*$  Principal axes: T 2.0100, Plg3.0000\*, Azm71.0000\*; N -0.0200, Plg70.0000\*, Azm333.0000\*; P -1.9900, Plg20.0000\*, Azm163.0000\* Broadband fault plane solution: waves. NP1:  $\pm 210, 0.0000^*$ ;  $\delta 85, 0.0000^*$ ;  $\lambda=5, 0.0000^*$  NP2:  $\pm 300, 0.0000^*$ ;  $\delta 85, 0.0000^*$ ;  $\lambda=175, 0.0000^*$  Principal axes: T 3.2200, Plg21.0000\*, Azm76.0000\*; N -0.5200, Plg61.0000\*, Azm212.0000\*; P -2.6900, Plg18.0000\*, Azm339.0000\*  
 T P1g0.0000\*, Azm255.0000\*; N Plg0.0000\*, Azm0.0000\*; P Plg7.0000\*, Azm165.0000\* Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism.

NEIC Felt at Mazatlan, Mexico.  
 NEIC 01 12:32:00.0-0.0, 19:89N-109:17W, h17km, Moment Tensor Solution. s61 Moment tensor: Scale 10<sup>18</sup>Nm;  $M_{11}=0.24; M_{22}=2.06; M_{33}=2.30; M_{44}=0.31; M_{55}=1.39$ ;  $M_{66}=1.46$ ; Best double couple:  $M_{63}=0.0000 \times 10^{18}$  NP1:  $\pm 0.208, 0.0000^*$ ;  $\delta 88, 0.0000^*$ ;  $\lambda=29, 0.0000^*$  NP2:  $\pm 0.177, 0.0000^*$ ;  $\delta 81, 0.0000^*$ ;  $\lambda=178, 0.0000^*$  Principal axes: T 3.2200, Plg21.0000\*, Azm76.0000\*; N -0.5200, Plg61.0000\*, Azm212.0000\*; P -2.6900, Plg18.0000\*, Azm339.0000\*  
 BUJ 01 12:32:01.6, 19:90N-109:20W, h10km, mb5.4/11, mb5.9/40, MS6.3/46, MS7 6.0/46  
 ISCJB 01 12:32:01.8-0.2, 19:94N-109:09W, h0.01, h30km, mb5.4/280, MS6.0/593, Origin ellipse: s-maj=2.8km s-min=1.6km az=27.4

NEIC 01 12:32:22.4-0.0, 20:43N-109:20W, h29km, Moment Tensor Solution. s50 Moment tensor: Scale 10<sup>18</sup>Nm;  $M_{11}=0.13; M_{22}=2.54; M_{33}=2.67; M_{44}=0.53; M_{55}=1.7$ ;  $M_{66}=1.04$ ; Best double couple:  $M_{63}=100000 \times 10^{18}$  NP1:  $\pm 0.120, 0.0000^*$ ;  $\delta 83, 0.0000^*$ ;  $\lambda=172, 0.0000^*$  NP2:  $\pm 0.29, 0.0000^*$ ;  $\delta 82, 0.0000^*$ ;  $\lambda=8, 0.0000^*$  Principal axes: T 3.0800, Plg0.0000\*, Azm255.0000\*; N -0.0300, Plg79.0000\*, Azm165.0000\*; P -3.0600, Plg11.0000\*, Azm345.0000\*  
 ISC 01 12:32:03.8-0.3, 19:94N-109:17W, h0.04, h30km, n1519, c203/1247, mb5.5/281, MS6.0/597, 6C-BD, Revilla

Gigedo Islands region

Code	Station Name	1 <sup>st</sup> AZP	Phase ID	ISC	Time	Res	ISC
			Op		h	s	
H06E		1.96 238	eP	Pn	12 32 26.3	-8.7	
H06E			eS	Sn	12 32 46.8	-12	
H06E1	SOCORRO T-PHAS	1.96 238	Pn	T	12 32 26.6	-8.4	
H06E1			Pn	T	12 34 22.2		
H06N1	SNR=9.0		Pn	T	12 32 26.9	-8.2	
H06N1	SOCORRO T-PHAS	1.97 241	Pn	T	12 34 34.0		
H06N1			Pn	T	12 32 26.3	-8.9	
H06N	Isla Socorro	1.97 241	eP	Sn	12 32 47.6	-11	
H06S1	SOCORRO T	2.01 237	Pn	T	12 32 27.1	-8.6	
H06S1			T	T	12 34 34.0		
H06S	SNR=7.0		eP	Pn	12 32 26.6	-9.1	
H06S		2.02 237	eS	Sn	12 32 48.3	-11	
SLBS	Sierra La Lagu	3.90 350	eP	Pn	12 32 56.4	-5.3	
SLBS			eS	Sn	12 33 44.6	-1.9	
CJM	Chamela	3.91 94	eP	Pn	12 32 57.0	-4.8	
CJM			eS	Sn	12 33 43.1	-3.6	
CJM	Chamela	3.91 94	eP	Pn	12 32 57.0	-4.8	
CJM			eS	Sn	12 33 44.2	-1.1	
MAIG	Mazatlan	4.20 37	eP	Pn	12 33 01.7	-4.1	
MAIG			eS	Sn	12 33 52.2	-1.7	
MAIG	Mazatlan	4.20 37	eP	Pn	12 33 01.4	-4.4	
MAIG			eS	Sn	12 33 52.2	-1.7	
LP1G	La Paz	4.37 346	Pn	Sn	12 33 03.2	-5.0	
LP1G	36m, 0.3s, baz=170, slow=3.1, SNR=25		Sn	Sn	12 33 58.5	+0.4	
LP1G	11m, 0.3s, baz=129, slow=17, SNR=5.3		LR	LR	12 34 31.9		
LP1G	comp=Z, 470um, 18.9s, baz=180, slow=35		LR	LR	12 34 31.9		
LP1G	La Paz	4.37 346	eP	Sn	12 33 03.6	-4.6	
LP1G			eS	Sn	12 33 54.0	-4.1	
LP1G	La Paz	4.37 346	eP	Sn	12 33 03.6	-4.6	
LP1G			eS	Sn	12 33 54.0	-4.1	
R15V		4.94 97	eP	Sn	12 33 12.2	-3.9	
R15V			eS	Sn	12 34 09.0	-3.3	
EZSV		5.26 93	eP	Sn	12 33 16.9	-3.8	
EZSV			iS	Sn	12 34 17.1	-3.4	
MMIG	Aquila	5.72 105	eP	Sn	12 33 22.8	-4.0	
MMIG			eS	Sn	12 34 28.2	-3.2	
MMIG	Aquila	5.72 105	eP	Sn	12 33 22.8	-4.0	
MMIG			eS	Sn	12 34 28.2	-3.2	
ZAIG	Zacatecas	6.81 63	eP	Sn	12 33 39.6	-2.4	
ZAIG			iS	Sn	12 34 57.2	-1.5	
ZAIG	Zacatecas	6.81 63	eP	Pn	12 33 40.1	-2.0	
ZAIG			eS	Sn	12 34 35.3	-3.4	
ZAIG	Irapuato, Guan	7.42 82	eP	Pn	12 33 47.3	-3.0	
ZAIG			iS	Sn	12 35 12.1	-1.4	
MOIG	Morelia	7.52 90	iP	Sn	12 33 47.7	-4.0	
MOIG			iS	Sn	12 35 12.9	-3.2	
MOIG	Morelia	7.52 90	eP	Sn	12 33 51.4	-0.2	
MOIG			eS	Sn	12 34 17.9	-2.5	
HP1G		7.76 24	eP	Sn	12 35 21.0	-1.0	
HP1G			eS	Sn	12 35 11.0	-1.0	
HP1G	Santa Rosalia	7.76 24	eP	Pn	12 33 54.3	-0.7	
HP1G			iS	Sn	12 33 53.9	-3.6	
SR1G			iS	Sn	12 35 22.7	-3.8	
SR1G	Santa Rosalia	7.96 340	eP	Pn	12 33 54.3	-3.1	
SR1G			eS	Sn	12 35 24.2	-1.8	
GUYB	Guaymas	8.17 349	eP	Sn	12 33 57.2	-3.1	
GUYB			eS	Sn	12 35 27.9	-3.8	
AR1G	Puente Sto Nin	8.49 99	eP	Sn	12 34 02.2	-2.6	
AR1G			iS	Sn	12 35 37.4	-2.3	
ME1G	Mezcala	9.24 100	eP	Sn	12 34 12.3	-2.9	
ME1G			iS	Sn	12 35 26.4	-1.9	
ME1G	Mezcala	9.24 100	eP	Sn	12 34 12.3	-2.9	
ME1G			eS	Sn	12 35 43.3	-1.5	
PL1G	Platanillo	9.26 97	eP	Sn	12 34 12.7	-2.6	
PL1G			iS	Sn	12 35 55.8	-2.7	
PL1G	Platanillo	9.26 97	eP	Sn	12 34 12.7	-2.6	
PL1G			eS	Sn	12 35 54.4	-4.1	
HS1G		9.28 350	eP	Pn	12 34 12.9	-2.8	
HS1G			iS	Sn	12 35 56.5	-2.5	
HS1G		9.28 350	eP	Pn	12 34 14.4	-1.2	
HS1G			eS	Sn	12 35 58.9	-2.0	
UNM	Universidad Na	9.44 91	eP	Sn	12 34 17.9	-2.5	
UNM	Universidad Na	9.44 91	eP	Pn	12 35 17.9	-0.1	
DE1G	Demacu	9.54 86	eP	Sn	12 34 16.5	-2.9	
DE1G			iS	Sn	12 36 04.1	-1.7	
DE1G	Demacu	9.54 86	eP	Sn	12 34 20.4	+1.1	
DE1G			eS	Sn	12 35 06.6	-5.9	
YA1G	Yautepec	9.59 94	eP	Pn	12 35 17.8	-2.4	
YA1G			eS	Sn	12 36 04.1	-1.8	
YA1G	Yautepec	9.59 94	eP	Pn	12 34 18.2	-1.8	
YA1G			eS	Sn	12 36 10.0	+4.1	
PPM	Popocatepetl	9.98 93	eP	Sn	12 34 25.7	0.0	
PPM	Popocatepetl	9.98 93	eP	Sn	12 34 25.7	0.0	
PPM			iS	Sn	12 36 14.0	-3.0	
PPM	Popocatepetl	9.98 93	eP	Pn	12 34 25.7	0.0	
LN1G	Linares	10.30 59	eP	Pn	12 34 29.1	-0.5	
LN1G	Linares	10.30 59	eP	Pn	12 34 29.0	+3.6	
TL1G	Tlapa	10.30 101	eP	Sn	12 34 26.0	-3.7	
TL1G			iS	Sn	12 36 12.1	-1.6	
TL1G	Tlapa	10.30 101	eP	Pn	12 34 28.8	-0.9	
TL1G			eS	Sn	12 36 17.4	-6.9	
CG1G		10.54 6	eP	Pn	12 34 33.6	+0.7	
CG1G			eS	Sn	12 34 33.6	+0.7	
TXS1	Lajitas Ar. Si	10.70 27	eP	Pn	12 34 34.9	+0.1	
TXAR	Lajitas Ar. Si	10.70 27	eP	Pn	12 34 35.1	+0.1	
TXAR	0.7m, 0.3s, baz=198, slow=10, SNR=112		Pn	Pn	12 34 35.2	+0.1	
LTX	Lajitas	10.70 27	eP	Pn	12 34 35.1	+0.1	
LTX			eS	Sn	12 34 40.3	+0.5	
PN1G	Pinotepa	11.05 106	eP	Pn	12 34 10.0	+0.5	
PN1G			eS	Sn	12 34 44.2	+1.4	
TP1G	Tehuacan	11.25 95	eP	Pn	12 34 44.2	+1.4	
TP1G			eS	Sn	12 34 44.2	+1.4	
319A	Douglas	11.49 360	eP	Pn	12 34 46.3	+0.3	
933A	Laredo	11.91 48	P	Pn	12 34 51.6	0.0	
933A	baz=292, SNR=25						

LV1G	Laguna Verde	12.01 88	eP	Pn	12 34 53.3	+0.3	
LV1G	Laguna Verde	12.01 88	eP	Pn	12 34 53.3	+0.3	
034A	Hebronnville	12.01 88	P	Pn	12 34 53.0	0.0	
034A	baz=235, SNR=46						
VHO	Vista Hermosa	12.12 101	iP	Pn	12 34 50.0	-4.7	
VHO	Vista Hermosa	12.12 101	eP	Pn	12 34 55.7	+1.0	
035Z	Hargill	12.15 55	P	Pn	12 34 54.0	-1.0	
035Z	baz=239						
833A	Chaparral WMA	12.29 45	P	Pn	12 34 57.3	+0.5	
833A	baz=229, SNR=35						
MNTX	Cornudas Mount	12.29 15	P	Pn	12 34 57.1	+0.3	
MNTX	baz=197, SNR=119						
035A	Cornudas Mount	12.29 15	eP	Pn	12 34 58.2	+1.4	
035A	Encino	12.38 53	P	Pn	12 34 57.9	0.0	
035A	baz=237, SNR=9.5						
934A	Benavides	12.44 50	P	Pn	12 34 58.1	-0.8	
934A	baz=234, SNR=15						
214A	Organ Pipe Nat	12.50 346	P	Pn	12 34 59.0	-0.7	
214A	baz=164, SNR=60						
TUC	Tucson	12.50 354	P	Pn	12 34 59.3	-0.5	
TUC	baz=173						
TUC	Tucson	12.50 354	eP	Pn	12 34 59.1	-0.7	
TUC	Tucson	12.50 354	eP	Pn	12 34 59.1	-0.7	
SPX	San Pedro Mart	12.52 334	eP	Pn	12 34 54.4	+5.8	
121A	Cookes Peak D	12.70 5	P	Pn	12 35 03.7	+1.1	
121A	baz=186, SNR=101						
KVXT	Kingsville	12.87 51	eP	Pn	12 35 03.1	-1.5	



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Z46A	Louisville	22.41	50	P	P	12 36 59.4	-0.6
Q36A	Arnold C. Orve	22.44	29	P	P	12 36 59.8	-0.4
O33A	Hebron	22.49	24	P	P	12 36 59.7	-1.1
S39A	Bolivar	22.51	34	P	P	12 36 59.0	-2.0
HOPS	Hopland Field	22.55	331	eP	P	12 37 00.2	-1.3
HOPS	comp=Z,52um,18.0s			LR	LR		
T40A	Mansfield	22.56	37	P	P	12 37 00.1	-1.5
R38A	Fenwick Farm,	22.58	33	P	P	12 37 00.2	-1.6
HBAR	Harrisburg	22.61	42	eP	P	12 37 02.0	0.0
HBAR	comp=Z,71um,1.2s			LR	LR		
147A	Livingston	22.64	51	P	P	12 37 01.2	-1.2
P35A	Duane Minner,	22.66	27	P	P	12 37 01.8	-0.8
248A	Dixon Mills	22.76	53	P	P	12 37 02.9	-0.8
U42A	Reviden	22.76	40	P	P	12 37 02.7	-1.0
X45A	UM Field Stati	22.76	46	P	P	12 37 02.2	-1.5
OXF	Oxford	22.80	46	eP	P	12 37 02.8	-1.3
OXF	comp=Z,436nm,1.3s			MLR	MLR		
OXF	comp=Z,25um,21.0s			LR	LR		
OXF	Oxford	22.80	46	eP	P	12 37 02.8	-1.3
OXF	comp=Z,436nm,1.3s			LR	LR		
MET	Memphis-Engin	22.81	44	eP	P	12 37 03.8	-0.3
MET	comp=Z,1um,1.4s			LR	LR		
4V3A	Jonesboro	22.82	42	P	P	12 37 02.7	-1.7
Y46A	Houston	22.84	48	P	P	12 37 03.4	-1.1
Q37A	Longview Farm,	22.85	31	P	P	12 37 02.9	-1.7
K22A	Casper	22.85	5	P	P	12 37 03.3	-1.4
K22A	Casper	22.85	5	eP	P	12 37 03.8	-1.0
K22A	comp=Z,644nm,1.3s			LR	LR		
BW06	Boulder Array	22.86	359	P	P	12 37 02.8	-2.1
BW06	comp=Z,297nm,1.8s			LR	LR		
BW06	comp=Z,58um,19.0s			LR	LR		
PD31	Pinedale Array	22.86	359	eP	P	12 37 04.5	-0.4
PDAR	Pinedale Array	22.86	359	P	P	12 37 03.0	-1.9
PDAR	comp=Z,3.8nm,0.8s,baz=167,slow=9.3,SNR=23			LR	LR		
PDAR	comp=Z,50um,19.4s,baz=178,slow=36			LR	LR		
BRAL	Brewton	22.89	56	eP	P	12 37 04.0	-1.0
BRAL	comp=Z,721nm,1.4s			LR	LR		
S40A	Lebanon	22.89	36	P	P	12 37 03.3	-1.8
W44A	Shelby Farms P	22.90	44	P	P	12 37 03.0	-2.1
T41A	Mountain View	22.92	38	P	P	12 37 03.9	-1.4
O34A	Beatrice	22.93	25	P	P	12 37 03.8	-1.6
Z47A	Carrollton	23.04	50	P	P	12 37 05.5	-1.1
O03D	Paynes Creek	23.08	335	P	P	12 37 05.6	-1.4
O03D	Paynes Creek	23.08	335	eP	P	12 37 05.7	-1.4
P36A	Good Intent, A	23.09	28	P	P	12 37 05.9	-1.2
N33A	J Bar K, Exete	23.12	23	P	P	12 37 07.9	+0.6
R39A	Chumby, Stover	23.13	34	P	P	12 37 05.6	-1.8
V44A	Blytheville	23.26	43	P	P	12 37 07.1	-1.7
U43A	Rector	23.28	41	P	P	12 37 07.6	-1.4
S41A	Jillico Farms,	23.31	37	P	P	12 37 07.9	-1.3
Q38A	Cooks Store, C	23.32	32	P	P	12 37 08.1	-1.3
O35A	Humboldt	23.32	26	P	P	12 37 07.1	-2.3
W45A	Hickory Valley	23.32	45	P	P	12 37 07.5	-1.9
KCPM	Cahto Peak	23.34	331	eP	P	12 37 10.8	+1.0
KCPM	comp=Z,965nm,1.8s			LR	LR		
P37A	Lathrop	23.46	30	P	P	12 37 09.0	-1.7
BGNE	Belgrade	23.46	21	P	P	12 37 09.9	-0.8
BGNE	comp=Z,389nm,1.3s			LR	LR		
BGNE	comp=Z,29um,19.0s			LR	LR		
REDW	Red Top Meadow	23.50	357	eP	P	12 37 09.3	-2.0
REDW	comp=Z,349nm,1.4s			LR	LR		
248A	Northport	23.50	51	P	P	12 37 10.4	-0.9
R40A	Maddies Statio	23.52	35	P	P	12 37 09.6	-1.7
PBMO	Poplar Bluff	23.53	40	eP	P	12 37 10.4	-1.0
PBMO	comp=Z,26um,21.0s			LR	LR		
Y47A	UCPARC, Winfie	23.56	49	P	P	12 37 10.8	-0.9
N34A	Lincoln	23.57	25	P	P	12 37 10.5	-1.3
SNOW	Snow King Moun	23.59	357	eP	P	12 37 11.2	-1.1
SNOW	comp=Z,792nm,1.8s			LR	LR		
SNOW	comp=Z,32um,20.0s			LR	LR		
O36A	Bolckow	23.62	28	P	P	12 37 10.8	-1.4
WDC	Whiskeytown Da	23.63	334	eP	P	12 37 12.5	+0.2
WDC	comp=Z,238nm,1.8s			MLR	MLR		
WDC	comp=Z,24um,20.0s			LR	LR		
WDC	Whiskeytown Da	23.63	334	eP	P	12 37 12.5	+0.2
WDC	comp=Z,238nm,1.8s			LR	LR		
TPAW	Teton Pass	23.63	357	eP	P	12 37 11.5	-1.2
TPAW	comp=Z,669nm,1.8s			LR	LR		
HALT	Halls	23.67	43	eP	P	12 37 11.9	-0.8
HALT	comp=Z,1um,1.3s			LR	LR		
Q39A	Willow Grove F	23.71	33	P	P	12 37 11.4	-1.7
LOHW	Long Hollow	23.73	357	eP	P	12 37 12.4	-1.2
LOHW	comp=Z,390nm,1.7s			LR	LR		
LRAL	Lakeview Retre	23.75	52	eP	P	12 37 12.7	-0.8
LRAL	comp=Z,876nm,1.8s			LR	LR		
FXWY	Fox Creek	23.78	357	eP	P	12 37 13.0	-1.1
FXWY	comp=Z,83nm,1.1s			LR	LR		
U44A	Portageville	23.82	42	P	P	12 37 12.8	-1.3

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V45A	Humboldt	23.82	44	P	P	12 37 12.0	-2.1
T43A	Greenville	23.82	40	eP	P	12 37 12.5	-1.6
KMRM	Mall Ridge	23.83	332	eP	P	12 37 14.2	-0.2
KMRM	comp=Z,760nm,1.8s			LR	LR		
COMI	Craters of Moo	23.84	352	eP	P	12 37 13.1	-1.5
PARMO	Parma	23.88	41	eP	P	12 37 13.2	-1.5
PARMO	comp=Z,738nm,1.2s			LR	LR		
PARMO	comp=Z,19um,21.0s			LR	LR		
P38A	Dawn	23.88	31	P	P	12 37 14.1	-0.5
MOOV	Moose Ponds	23.88	357	eP	P	12 37 13.2	-1.7
MOOV	comp=Z,269nm,1.9s			LR	LR		
WVOR	Wild Horse Val	23.91	343	eP	P	12 37 14.0	-1.1
WVOR	comp=Z,36um,19.0s			MLR	MLR		
WVOR	comp=Z,360nm,1.4s			MLR	MLR		
WVOR	Wild Horse Val	23.91	343	eP	P	12 37 14.0	-1.1
WVOR	comp=Z,42um,18.0s			LR	LR		
WVOR	comp=Z,360nm,1.4s			LR	LR		
CCM	Cathedral Cave	23.92	37	eP	P	12 37 13.1	-2.0
CCM	comp=Z,469nm,1.9s			MLR	MLR		
CCM	Cathedral Cave	23.92	37	eP	P	12 37 13.1	-2.0
CCM	comp=Z,4um,19.0s			LR	LR		
GLAT	Glass	23.92	43	eP	P	12 37 14.6	-0.6
GLAT	comp=Z,705nm,1.3s			LR	LR		
GLAT	comp=Z,21um,19.0s			LR	LR		
U44B	Burton Farm, H	23.93	42	P	P	12 37 14.1	-1.1
N35A	Tabor	23.93	26	P	P	12 37 13.9	-1.3
MOD	Modoc Plateau	23.94	339	eP	P	12 37 15.0	-0.4
MOD	comp=Z,280nm,1.3s			LR	LR		
M33A	Taylor Creek F	23.94	23	P	P	12 37 12.9	-2.4
PLAL	Pickwick Lake	23.98	47	eP	P	12 37 14.2	-1.5
PLAL	comp=Z,244nm,1.2s			LR	LR		
S42A	Caledonia	23.98	38	P	P	12 37 13.8	-1.9
R41A	Rosebud	24.01	36	P	P	12 37 14.4	-1.6
O37A	Wolven Farm, M	24.01	29	P	P	12 37 14.6	-1.4
N02D	Trinity Center	24.02	334	P	P	12 37 12.1	-4.0
IMW	Indian Meadow	24.04	357	eP	P	12 37 15.9	-0.6
IMW	comp=Z,150nm,1.5s			LR	LR		
L32A	Elgin	24.04	21	P	P	12 37 13.0	-3.2
HLID	Hailey	24.06	351	P	P	12 37 14.8	-1.8
HLID	comp=Z,168,SNR=66			eP	P	12 37 15.2	-1.4
HLID	comp=Z,415nm,1.8s			LR	LR		
M34A	Aspy Farms, Fr	24.11	24	P	P	12 37 15.5	-1.3
Q40A	Lau Farm, Aux	24.14	34	P	P	12 37 16.0	-1.1
P39B	Salisbury	24.15	32	P	P	12 37 16.2	-1.1
MFID	Camas Ranch	24.16	348	eP	P	12 37 17.1	-0.4
MFID	comp=Z,220nm,1.5s			LR	LR		
N36A	Muff Farm, Cla	24.18	27	P	P	12 37 14.7	-2.8
T44A	Benton	24.24	41	P	P	12 37 14.9	-3.2
S43A	Fulton Ridge,	24.27	39	P	P	12 37 16.8	-1.5
O38A	Gal	24.29	30	P	P	12 37 16.9	-1.6
U45A	Rockin P Farm,	24.31	43	P	P	12 37 16.9	-1.8
R42A	Luebering	24.33	37	P	P	12 37 17.3	-1.6
FVM	French Village	24.34	38	eP	P	12 37 17.8	-1.2
FVM	comp=Z,368nm,1.5s			MLR	MLR		
FVM	comp=Z,28um,22.0s			LR	LR		
FVM	French Village	24.34	38	eP	P	12 37 17.8	-1.2
FVM	comp=Z,368nm,1.5s			LR	LR		
K31A	O'Neill	24.36	19	P	P	12 37 18.1	-1.1
KHMM	Horse Mountain	24.38	332	eP	P	12 37 22.2	+2.7
KHMM	comp=Z,274nm,1.4s			LR	LR		
M04C	Macdoel	24.38	337	P	P	12 37 19.1	-0.4
YPP	Pitchstone Pla	24.40	357	eP	P	12 37 20.2	+0.4
YPP	comp=Z,58um,21.0s			LR	LR		
M35A	Neola	24.42	25	P	P	12 37 19.6	-0.1
L33A	Hoskins	24.43	22	P	P	12 37 18.6	-1.3
M02C	Callahan	24.44	335	P	P	12 37 16.9	-3.0
JCC	Jacoby Creek,	24.46	332	P	P	12 37 20.0	+1.0
JCC	comp=Z,23um,18.0s			LR	LR		
N37A	Lee Farms, Mou	24.46	28	P	P	12 37 18.5	-1.6
H17A	Grant Village	24.52	358	P	P	12 37 19.8	-1.1
H17A	comp=Z,107nm,1.4s			LR	LR		
P40A	Paris	24.55	33	P	P	12 37 20.1	-0.8
Q41A	Truxton	24.56	35	P	P	12 37 19.7	-1.3
YFT	Old Faithful	24.58	357	eP	P	12 37 21.4	-0.1
YFT	comp=Z,67nm,1.2s			LR	LR		
L34A	Svensden Farm,	24.58	23	P	P	12 37 18.8	-2.4
RSSD	Black Hills	24.59	9	P	P	12 37 20.1	-1.4
RSSD	comp=Z,52nm,0.9s			MLR	MLR		
RSSD	Black Hills	24.59	9	eP	P	12 37 21.1	-0.4
RSSD	comp=Z,123um,18.0s			LR	LR		
RSSD	comp=Z,52nm,0.9s			LR	LR		
K32A	Verdigre	24.64	20	P	P	12 37 20.4	-1.3
YBH	Yreka Blue Hor	24.67	335	eP	P	12 37 22.3	+0.2
YBH	comp=Z,58nm,1.6s			MLR	MLR		
YBH	comp=Z,32um,20.0s			LR	LR		
YBH	Yreka Blue Hor	24.67	335	eP	P	12 37 22.3	+0.2
YBH	comp=Z,58nm,1.6s			LR	LR		
LKWY	Lake	24.68	358	eP	P	12 37 22.7	+0.4
LKWY	comp=Z,144nm,1.3s			MLR	MLR		

LKWY	comp=Z,144nm,1.3s			MLR	MLR		
LKWY	Lake	24.68	358	eP	P	12 37 22.7	+0.4
LKWY	comp=Z,144nm,1.3s			LR	LR		
J08A	Circle Bar Ran	24.72	344	eP	P	12 37 20.8	-1.7
J08A	comp=Z,105nm,1.0s						



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BLA	comp=Z,21um,21.0s	MLR	MLR		
BLA	Blacksburg comp=Z,93nm,1.1s	30.45	49	eP	P
BLA	comp=Z,21um,21.0s			LR	LR
D37A	Cotton baz=212	30.48	23	P	P
E39A	Mellen baz=216,SNR=15	30.56	26	P	P
A31A	Linda, St. Vin baz=203	30.59	16	P	P
G42A	Mountain baz=221,SNR=8.7	30.60	29	P	P
F41A	Three Lakes baz=219,SNR=41	30.68	28	P	P
A32A	Rocking H Ranc baz=204,SNR=13	30.75	16	P	P
A04D	Lummi Island baz=155	30.81	342	P	P
C36A	Pine Crest Far baz=211,SNR=6.4	30.85	22	P	P
E40A	Waketfield baz=217,SNR=14	30.89	26	P	P
B34A	Aery, Baudette baz=207,SNR=11	30.89	19	P	P
G43A	Wallace baz=222	30.96	30	P	P
PGC	Sidney	30.96	341	PFAKE	LR
PGC	comp=Z,30um,19.0s			LR	LR
C37A	Embarass baz=212,SNR=10	31.05	22	P	P
B35A	Bob, Littlefor baz=209	31.07	20	P	P
A33A	Warroad baz=206	31.08	18	P	P
AAM	Ann Arbor	31.08	38	PFAKE	LR
F42A	Maple Grove Fa baz=221	31.13	29	P	P
E41A	Kenton baz=219,SNR=8.8	31.30	27	P	P
C38A	Sawbill Land. baz=214	31.38	23	P	P
EYMN	Ely baz=213,SNR=15	31.49	23	eP	LR
EYMN	Ely	31.49	23	eP	LR
CNCC	Cliffs of the	31.53	54	PFAKE	LR
CNCC	comp=Z,14um,19.0s			LR	LR
F43A	Flat Rock, Esc baz=222	31.63	30	P	P
C39A	Grand Marais baz=216	31.90	25	P	P
D41A	Chassel baz=219,SNR=5.5	31.94	27	P	P
GTBY	Guantanamo Bay comp=Z,143nm,1.6s	32.00	84	eP	P
GTBY	comp=Z,12um,21.0s			LR	LR
MCWV	Mont Chateau comp=Z,88nm,1.3s	32.00	46	eP	P
MCWV	comp=Z,10um,19.0s			LR	LR
F44A	Big Bay de Noc baz=223	32.09	31	P	P
E43A	Lone Tree Farm baz=222,SNR=5.6	32.12	29	P	P
ULM	Lac du Bonnet comp=Z,106nm,1.3s,baz=209,slow=8,SNR=14	32.13	16	eP	P
ULM	Lac du Bonnet	32.13	16	eP	P
ULM	comp=Z,29um,19.5s,baz=202,slow=35			pmax	pmax
ULM	comp=Z,164nm,1.3s			MLR	MLR
ULM	comp=Z,36um,19.0s			LR	LR
ULM	Lac du Bonnet comp=Z,164nm,1.3s	32.13	16	eP	P
ULM	comp=Z,36um,19.0s			LR	LR
GLMI	Grayling	32.19	34	PFAKE	LR
GLMI	comp=Z,20um,20.0s			LR	LR
LLLB	Lilloet	32.31	345	PFAKE	LR
LLLB	comp=Z,40um,19.0s			LR	LR
F45A	CMU Biological baz=225	32.32	32	P	P
IP07	Quail comp=Z,56nm,1.0s	32.47	50	eP	P
IP07	comp=Z,28um,21.0s			LR	LR
JSRW	J. Sargeant Re	32.49	50	eP	P
IP04	Greensprings comp=Z,168nm,1.3s	32.50	49	eP	P
IP04	comp=Z,25um,22.0s			LR	LR
IP06	Yanceyville comp=Z,64nm,1.0s	32.51	50	eP	P
IP06	comp=Z,27um,20.0s			LR	LR
IP03	Louisa comp=Z,122nm,1.2s	32.52	49	eP	P
IP03	comp=Z,27um,20.0s			LR	LR
N54A	Moraine State baz=238,SNR=6.9	32.57	43	P	P
IP01	Cuckoo comp=Z,49nm,1.1s	32.57	50	eP	P
IP01	comp=Z,27um,20.0s			LR	LR
IP05	Hopewell Churc comp=Z,88nm,1.3s	32.63	50	eP	P
IP05	comp=Z,18um,21.0s			LR	LR
URVA	University of	32.68	51	eP	P
CVRD	Centerville Ro comp=Z,215nm,1.5s	32.69	50	eP	P
CVRD	comp=Z,26um,21.0s			LR	LR
CAPC	Capurgana	32.73	105	eP	P
F46A	Macinaw City C baz=226	32.77	32	P	P
E44A	Grand Marais A baz=223	32.80	30	P	P
ALLY	Alleghey Colle comp=Z,249nm,1.5s	32.84	42	eP	P
PTRD	Partlow Road comp=Z,169nm,1.0s	32.85	50	eP	P
PTRD	comp=Z,24um,21.0s			LR	LR
SPFD	Spotsylvania F	32.93	50	PFAKE	LR
SPFD	comp=Z,23um,22.0s			LR	LR
E45A	Wooded Hills, baz=225	32.97	31	P	P
CBN	Corbin Frederi comp=Z,551nm,1.5s	33.06	50	eP	P
CBN	comp=Z,27um,20.0s			LR	LR
M54A	Oil Creek Stat baz=238,SNR=6.1	33.06	43	P	P
O56A	Blue Knob Stat baz=241,SNR=6.6	33.16	45	P	P
ERPA	Erie comp=Z,273nm,1.6s	33.19	42	eP	P
ERPA	comp=Z,20um,20.0s			LR	LR
SSPA	Standing Stone comp=Z,117nm,1.3s	33.79	45	eP	P
SSPA	comp=Z,17um,21.0s			LR	LR
SDMD	Soldier's Deli comp=Z,45nm,1.1s	33.95	48	eP	P
SDMD	comp=Z,12um,22.0s			LR	LR
MOTC	Monteria, Cord	34.21	104	eP	P
SJCC	San Jacinto, C	34.24	102	eP	P
MVL	Millersville comp=Z,126nm,1.5s	34.55	47	eP	P
MVL	comp=Z,21um,20.0s			LR	LR
TUMC	Tumaco	34.73	117	PFAKE	LR

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TUMC	comp=Z,9um,21.0s	LR	LR		
MMNV	Mt. Morris Dam comp=Z,127nm,1.2s	34.82	42	eP	P
MMNV	comp=Z,21um,18.0s			LR	LR
PSUB	Penn St. - Bra comp=Z,74nm,1.0s	35.14	48	eP	P
PSUB	comp=Z,23um,20.0s			LR	LR
SADO	Sadowa comp=Z,180nm,1.8s	35.18	38	eP	P
SADO	comp=Z,25um,20.0s			LR	LR
FFC	Flin Flon	35.26	7	eP	pmax
FFC	comp=Z,66nm,1.1s			MLR	MLR
FFC	comp=Z,47um,18.0s			LR	LR
FFC	Flin Flon comp=Z,66nm,1.1s	35.26	7	eP	P
FFC	comp=Z,47um,18.0s			LR	LR
N59A	State Game Lan baz=244	35.35	46	P	P
HEL	Santa Helena	35.38	108	eP	P
HEL	Santa Helena	35.38	108	eP	P
HEL	comp=Z,355nm,1.8s			LR	LR
ZARC	Zaragoza, Cauc	35.45	105	eP	P
GRTK	Grand Turk	35.57	81	PFAKE	LR
GRTK	comp=Z,13um,21.0s			LR	LR
KSPA	Keystone Colle comp=Z,169nm,2.0s	35.64	45	eP	P
KSPA	comp=Z,14um,20.0s			LR	LR
SDDR	Presa de Saban comp=Z,210nm,1.8s	35.69	85	eP	P
SDDR	comp=Z,7um,20.0s			LR	LR
BINY	Binghamton	35.79	44	PFAKE	LR
BINY	comp=Z,17um,20.0s			LR	LR
OTAV	Otavalo	35.84	119	eP	P
OTAV	Otavalo comp=Z,352nm,1.5s	35.84	119	eP	P
OTAV	comp=Z,8um,18.0s			LR	LR
BRNJ	Basking Ridge	36.07	47	PFAKE	LR
BRNJ	comp=Z,24um,21.0s			LR	LR
POPC	Popayan, Colom	36.09	114	eP	P
ODNJ	Ogdensburg	36.21	47	eP	P
ODNJ	comp=Z,20um,18.0s			LR	LR
CRUC	La Cruz	36.36	116	eP	P
CPNY	Central Park	36.53	47	PFAKE	LR
CPNY	comp=Z,21um,22.0s			LR	LR
PLVO	Plevna comp=Z,122nm,1.1s	36.55	39	eP	P
PLVO	comp=Z,23um,21.0s			LR	LR
URIC	Uribia, Colomb	36.62	97	eP	P
PAL	Palisades	36.66	47	eP	pmax
PAL	comp=Z,62nm,1.0s			MLR	MLR
PAL	comp=Z,26um,19.0s			LR	LR
PAL	Palisades comp=Z,62nm,1.0s	36.66	47	eP	P
PAL	comp=Z,26um,19.0s			LR	LR
ROSC	El Rosal	37.05	109	P	P
ROSC	comp=Z,3.3nm,0.4s,baz=55,slow=5,SNR=9.2			LR	LR
ROSC	El Rosal	37.05	109	eP	P
ROSC	El Rosal	37.05	109	eP	P
ROSC	comp=Z,145nm,1.8s			LR	LR
SDD	Santo Domingo	37.06	85	PFAKE	LR
SDD	comp=Z,9um,22.0s			LR	LR
PRAC	Prado	37.07	111	eP	P
PRAC	Prado	37.07	111	eP	P
PRAC	comp=Z,242nm,1.7s			LR	LR
BARC	Barichara	37.33	106	eP	P
YLE	Yale	37.45	47	PFAKE	LR
YLE	comp=Z,28um,18.0s			LR	LR
PAMC	Pampiona, Colo	37.47	104	eP	P
TRY	Troy comp=Z,79nm,1.3s	37.56	45	eP	P
TRY	comp=Z,17um,22.0s			LR	LR
RUSC	La Rusia	37.71	107	eP	P
RUSC	La Rusia	37.71	107	eP	P
RUSC	comp=Z,50nm,1.3s			LR	LR
NCB	Newcomb	37.77	42	eP	P
NCB	comp=Z,48nm,1.1s			LR	LR
NCB	comp=Z,300nm,18.0s			LR	LR
ACCN	Adirondack Com comp=Z,42nm,1.1s	37.85	44	eP	P
ACCN	comp=Z,16um,22.0s			LR	LR
DIB	Dawson Inlet,	37.85	337	PFAKE	LR
DIB	comp=Z,17um,19.0s			LR	LR
LONY	Lake Okozonia comp=Z,64nm,1.5s	37.85	41	eP	P
LONY	comp=Z,19um,20.0s			LR	LR
VLDQ	Val d'Or	38.09	35	eP	P
VLDQ	comp=Z,210nm,2.0s			LR	LR
MDV	Middlebury	38.45	43	eP	P
FRNY	Flat Rock	38.58	42	eP	P
FRNY	comp=Z,54nm,1.3s			LR	LR
FRNY	comp=Z,24um,20.0s			LR	LR
BRYW	Bryant College comp=Z,74nm,1.3s	38.66	47	eP	P
BRYW	comp=Z,20um,19.0s			LR	LR
TRQ	Mont Tremblant	38.68	39	eP	P
SDV	Santo Domingo	38.80	101	eP	P
SDV	comp=Z,49nm,0.8s,baz=293,slow=4,SNR=42			LR	LR
SDV	Santo Domingo	38.80	101	eP	P
SDV	Santo Domingo	38.80	101	eP	P
SDV	comp=Z,170nm,0.9s			LR	LR
SDV	comp=Z,10um,22.0s			LR	LR
HNH	Hanover	38.89	44	eP	P
HNH	comp=Z,42nm,1.1s			LR	LR
HNH	comp=Z,13um,19.0s			LR	LR
WES	Weston	38.99	46	eP	pmax
WES	comp=Z,106nm,1.6s			MLR	MLR
WES	comp=Z,23um,20.0s			LR	LR
WES	comp=Z,106nm,1.6s			LR	LR
WES	comp=Z,23um,20.0s			LR	LR
BCX	Boston College	39.07	46	PFAKE	LR
BCX	comp=Z,20um,18.0s			LR	LR
FFD	Franklin Falls comp=Z,62nm,1.1s	39.21	45	eP	P
FFD	comp=Z,19um,22.0s			LR	LR
IDE	Isla Desecheo	39.36	85	eP	P
LBNH	Lisbon	39.36	43	eP	pmax
LBNH	comp=Z,76nm,1.3s			MLR	MLR
LBNH	comp=Z,12um,18.0s			LR	LR
LBNH	comp=Z,76nm,1.3s			LR	LR
LBNH	comp=Z,12um,18.0s			LR	LR
AGP	Aguadilla	39.67	85	eP	P

AGP	comp=Z,387nm,1.2s	LR	LR		
MPR	Mayaguez	39.70	85	PFAKE	LR
MPR	comp=Z,6um,20.0s			LR	LR
CRAG	Craig	39.90	339	PFAKE	LR
CRAG	comp=Z,19um,22.0s			LR	LR
CEL	Cerrillos	40.25	85	eP	P
WRAK					







MORC	comp=Z,35um,20.0s	LR	LR						
HOPE	Hope Point	96.26	146	PFAKE	LR	12 45 40.0	+11		
HOPE	comp=Z,9um,22.0s								
RPZ	Rata Peaks	96.38	226	PFAKE	LR	12 45 40.0	+10		
RPZ	comp=Z,9um,20.0s								
OKK	Ostrava-Krasne	96.46	31	AMS	AMS	13 31 50.0			
MDJ	Mudanjiang	96.46	322	P	Pmax	12 45 29.9	-0.4		
MDJ	comp=Z,6.0nm,0.8s								
MDJ	comp=Z,120nm,5.4s								
MDJ	comp=Z,3um,15.4s								
MDJ	comp=Z,2um,14.9s								
MDJ	comp=Z,5um,16.2s								
MDJ	Mudanjiang	96.46	322	PFAKE	LR	12 45 40.0	+10		
MDJ	comp=Z,5um,18.0s								
NACGM	Naroch	96.63	24	eSKS	SKSac	12 56 16.0	+10		
NACGM	eSKKKS					12 57 26.0			
NACGM	ePS					12 58 28.0	+15		
NACGM	eSS					13 03 16.0	-7.1		
NACGM	eSSS					13 07 28.0			
NACGM	eLQ					13 15 44.0			
NACGM	eLR					13 21 03.0			
NACGM	eLRM					13 28 34.0			
CBIJ	Chichi jima	96.63	302	PFAKE	LR	12 45 40.0	+8.6		
CBIJ	comp=Z,6um,21.0s								
TRI	Trieste	96.78	36	PFAKE	LR	12 45 40.0	+8.3		
TRI	comp=Z,7um,18.0s								
ODZ	Otahua Downs	97.13	225	PFAKE	LR	12 45 40.0	+6.7		
ODZ	comp=Z,8um,19.0s								
FOZ	Fox Glacier	97.16	226	PFAKE	LR	12 45 40.0	+6.6		
FOZ	comp=Z,5um,20.0s								
LBZ	Lake Benmore	97.20	225	PFAKE	LR	12 45 40.0	+6.4		
LBZ	comp=Z,8um,20.0s								
VYHS	Vyhne	97.68	32	eP	Pdif	12 45 38.9	+3.0		
VYHS	Vyhne	97.68	32	ePDIF	Pdif	12 45 38.9	+3.0		
VSL	Villasalto	97.73	43	PFAKE	LR	12 45 50.0	+14		
VSL	comp=Z,3um,19.0s								
WKZ	Wanaka	98.14	225	PFAKE	LR	12 45 50.0	+12		
WKZ	comp=Z,8um,20.0s								
AQU	L'Aquila	98.58	39	PFAKE	LR	12 45 50.0	+10		
AQU	comp=Z,8um,21.0s								
PSZ	Piszkesteto	98.60	32	PFAKE	LR	12 45 50.0	+10		
PSZ	comp=Z,7um,19.0s								
HIA	Hailar	98.65	330	PFAKE	LR	12 45 50.0	+10		
HIA	comp=Z,4um,18.0s								
MLZ	Mavora Lakes	98.92	225	PFAKE	LR	12 45 50.0	+8.7		
MLZ	comp=Z,7um,18.0s								
WHZ	Wether Hill Ro	99.20	225	PFAKE	LR	12 45 50.0	+7.5		
WHZ	comp=Z,6um,18.0s								
BLY	Banja Luka	99.26	36	PFAKE	LR	12 45 50.0	+7.1		
BLY	comp=Z,8um,22.0s								
UZH	Uzhgorod	99.27	30c	iP	Pdif	12 45 43.0	+0.1		
CN2	Changchun	99.32	323	eP	Pdif	12 45 38.0	-5.2		
CN2	comp=Z,1um,18.0s					12 49 42.4	-3.3		
CN2	comp=N,1um,18.0s					13 03 57.3	-4.4		
RABL	Rabaul	99.55	269	PFAKE	LR	12 46 00.0	+15		
RABL	comp=E,2um,18.0s								
DCZ	Deep Cove	99.59	225	PFAKE	LR	12 46 00.0	+16		
DCZ	comp=Z,4um,18.0s								
KEST	Kesra	99.76	47	LR	LR	13 30 41.1			
KEST	comp=Z,0.2nm,0.3s,baz=301,slow=3.9,SNR=3.8								
OBN	Obninsk	99.84	19	PFAKE	LR	12 46 00.0	+15		
OBN	comp=Z,8um,20.0s								
GUMO	Guam	99.96	288	PFAKE	LR	12 46 00.0	+13		
GUMO	comp=Z,5um,22.0s								
PYZ	Puysegur Point	100.13	225	PFAKE	LR	12 46 00.0	+13		
PYZ	comp=Z,7um,20.0s								
KIEV	Kiev	100.79	25	PFAKE	LR	12 46 00.0	+10		
KIEV	comp=Z,8um,20.0s								
AKASG	Malin Array Be	100.79	25	P	Pdif	12 45 49.4	-0.2		
AKBB	Malin Array Si	100.79	25	eP	Pdif	12 45 49.4	-0.2		
AKBB	comp=Z,0.2nm,0.3s,baz=301,slow=3.9,SNR=3.8								
CLTB	Caltabellotta	100.79	43	PFAKE	LR	12 46 00.0	+7.8		
CLTB	comp=Z,3um,20.0s								
CUC	Castrocuco	101.46	40	PFAKE	LR	12 46 00.0	+7.1		
CUC	comp=Z,6um,18.0s								
LHI	Lord Howe Isla	101.55	241	PFAKE	LR	12 46 00.0	+6.7		
LHI	comp=Z,6um,21.0s								
SNY	Shenyang	101.64	323	iP	Pdif	12 46 00.6	+7.1		
SNY	comp=Z,250nm,4.9s					12 50 13.2	-3.9		
SNY	comp=N,890nm,13.7s					13 04 36.7	+2.8		
SNY	comp=E,3um,19.9s								
SNY	comp=Z,5um,21.4s								
INCN	Inchon	102.50	318	PFAKE	LR	12 46 10.0	+12		
INCN	comp=Z,2um,20.0s								
TIR	Tirane	102.97	37	PFAKE	LR	12 46 10.0	+11		
TIR	comp=Z,5um,22.0s								
WDD	Wied Dalam	103.16	44	PFAKE	LR	12 46 10.0	+10		
WDD	comp=Z,3um,21.0s								
TLY	Talaya	103.21	340	PFAKE	LR	12 46 10.0	+10		
TLY	comp=Z,4um,18.0s								
MLR	Muntele Rosu	103.26	31	PFAKE	LR	12 46 10.0	+9.1		
MLR	comp=Z,8um,19.0s								
ARU	Arti	103.33	7	PFAKE	LR	12 46 10.0	+9.2		
ARU	comp=Z,16um,20.0s								
KIS	Kishinev	103.46	28	ePP	PP	12 49 44.0	-33		
KIS	Kishinev	103.46	28	ePS	PS	12 58 30.0	-57		
KIS	Kishinev	103.46	28	ePPS	PPS	13 00 20.0			
KIS	Kishinev	103.46	28	eSS	SS	13 05 00.0	+1.4		
KIS	Kishinev	103.46	28	eLRM	MLR	13 30 40.0			
TAM	Tamanrasset	103.48	60	PFAKE	LR	12 46 10.0	+7.7		
TAM	comp=Z,3um,19.0s								
VTS	Vitoshia	103.95	34	PFAKE	LR	12 46 20.0	+16		
VTS	comp=Z,5um,18.0s								
TOC7	Torodi Ar. Sit	104.48	70	PFAKE	LR	12 46 20.0	+13		
TOC7	comp=Z,4um,21.0s								
TOBS	Torodi Ar. Sit	104.49	70	PFAKE	LR	12 46 20.0	+13		
TOBS	comp=Z,4um,20.0s								
TOCS	Torodi Ar. Sit	104.49	70	PFAKE	LR	12 46 20.0	+13		

TOCS	comp=Z,5um,20.0s	LR	LR						
TOB4	Torodi Ar. Sit	104.50	70	PFAKE	LR	12 46 20.0	+13		
TOB4	comp=Z,4um,20.0s								
TOA1	Torodi Ar. Sit	104.50	70	PFAKE	LR	12 46 20.0	+13		
TOA1	comp=Z,4um,20.0s								
TOC1	Torodi Ar. Sit	104.50	70	PFAKE	LR	12 46 20.0	+13		
TOC1	comp=Z,5um,20.0s								
TOA0	Torodi Ar. Sit	104.50	70	PFAKE	LR	12 46 20.0	+13		
TOA0	comp=Z,4um,20.0s								
TOB2	Torodi Ar. Sit	104.51	70	PFAKE	LR	12 46 20.0	+13		
TOB2	comp=Z,4um,20.0s								
TOB3	Torodi Ar. Sit	104.51	70	PFAKE	LR	12 46 20.0	+13		
TOB3	comp=Z,4um,20.0s								
TOC4	Torodi Ar. Sit	104.52	70	PFAKE	LR	12 46 20.0	+13		
TOC4	comp=Z,4um,20.0s								
TOC2	Torodi Ar. Sit	104.52	70	PFAKE	LR	12 46 20.0	+13		
TOC2	comp=Z,4um,20.0s								
TOC3	Torodi Ar. Sit	104.53	70	PFAKE	LR	12 46 20.0	+13		
TOC3	comp=Z,4um,20.0s								
DL2	Dalian	104.67	321	ePdif	Pdif	12 46 09.3	+2.2		
DL2	comp=Z,4um,20.0s					13 05 24.8	+9.0		
DL2	comp=Z,330nm,6.2s								
DL2	comp=Z,2um,18.0s								
DL2	comp=Z,2um,20.2s								
ULN	Ulanbaatar	105.19	336	PFAKE	LR	12 50 30.0			
ULN	comp=Z,5um,20.0s								
TIRR	Tirgusor	105.20	30	PFAKE	LR	12 50 30.0			
TIRR	comp=Z,7um,19.0s								
SONAO	Songino Array	105.46	336	ePdif	Pdif	12 46 10.0	-0.6		
SONM	Songino Array	105.46	336	Pdif	Pdif	12 46 10.0	-0.6		
ZAA1	Zalesovo Array	105.53	351	ePdif	Pdif	12 46 13.2	+2.6		
ZALV	Zalesovo Beam	105.53	351	Pdif	Pdif	12 46 13.2	+2.6		
PMG	Port Moresby	105.92	266	PFAKE	LR	12 50 40.0			
PMG	comp=Z,16um,21.0s								
AGG	Agios Georgios	105.93	37	PFAKE	LR	12 50 40.0			
AGG	comp=Z,11um,20.0s								
EIDS	Eidsvoll	106.73	249	PFAKE	LR	12 50 40.0			
EIDS	comp=Z,13um,20.0s								

1d 12h

Table with columns for station name, time, and magnitude. Includes stations like Warramunga Arr, Kashi, Boreo, etc.

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Main table with columns for SMRI, UGM, DGPR, VIS, MYKOM, KULM, IPM, PBA, CISI, HYB, KMB, KMO, KMB, LHMI, BKN, PSI, GOA, MDRS, MDRS, GSI, TRD, PALK, PALK, COCO, ABPO, MSEY, JMA, ISCJB, etc.

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Table with columns for station name, time, and magnitude. Includes stations like ISCJB, IDC, NEIC, etc.





Table with columns: HAKT, HAKKARI, 1.21 179, P, Pg, 14.06 15.6 -0.6, etc.

IDC 01 14:09:26.3;1.0,19.89N;109.76W,h0km,mb3.74, mb1 4.0/7,mb1mx3/933,mbmp3.777,ML3.73,MS4.1/2, Ms1 4.1/2,ms1mx3/532,Error ellipse: s-maj=27.7km

s-min=12.5km az=121.0, ISCJB 01 14:02:29.2;0.8,19.97N;109.77W;0.1,h33km, mb3.7/4,MS4.2/1,Error ellipse: s-maj=21.0km s-min=5.5km az=33.0

ISC 01 14:09:31.1;1.0,19.9N;109.8W;0.2,h35km,n13, r123/14,mb3.8/4,Revilla Gigedo Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, etc.

ISCJB 01 14:54:30.8;1.3,38.64N;0.07;43.5E;0.1,h26km,7km, Error ellipse: s-maj=16.6km s-min=8.3km az=33.1

CSEM 01 14:54:30.5;0.3,38.66N;43.5E,h20km,MD2.4,Error ellipse: s-maj=10.0km s-min=5.1km az=124.0

ISK 01 14:54:30.4,38.69N;43.49E,h19km,MD2.4 DDA 01 14:54:32.1,38.69N;43.49E,h7km,MI2.7

ISC 01 14:54:31.2;1.0,38.69N;0.05;43.54E;0.06,h18km,5km, n16,r0561/26,Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, etc.

MAN 01 14:59:50,17.73N;119.90E,h6km,mb4.7,ML3.6,MS3.6, 1D,Philippine Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, etc.

ISCJB 01 15:00:45.4;0.4,40.28N;0.03;27.88E;0.03,h12km,4km, Error ellipse: s-maj=5.6km s-min=3.3km az=167.4

CSEM 01 15:00:45.7;0.1,40.29N;27.87E,h15km,MD2.6,Error ellipse: s-maj=2.4km s-min=1.5km az=163.0

ISK 01 15:00:45.3,40.29N;27.87E,h16km,MD2.6 DDA 01 15:00:45.8,40.34N;27.85E,h7km,MI2.7

ISC 01 15:00:45.8;0.9,40.29N;0.02;27.87E;0.02,h13km,9km, n59,r0567/72,Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, etc.

Table with columns: KESN, S, Sg, 15.01 20.2 +0.2, etc.

NIED 01 15:26:00.38;50N;141.70E,h101km,Mw4.0 Best double couple: M1:13000;1015 NP1;39170,000000, 852,000000,159,000000. NP2;273,000000,874,000000, 740,000000

JMA 01 15:26:40.6;0.1,38.54N;141.72E,h54km,1km,M3.7, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, etc.

AZER 01 15:28:55.1;0.5,38.54N;42.87E,h5km,Error ellipse: s-maj=5.3km s-min=4.2km az=158.0

ISK 01 15:28:55.9,38.96N;43.47E,h5km,ML3.6 IASPEI 01 15:28:56.9;1.0,38.95N;0.02;43.54E;0.03,h6km,9km, Error ellipse: s-maj=4.1km s-min=3.3km az=127.5,GT5 selection from ISC bulletin GT5 identified by Bond'jr and McLaughlin (2009) selection criteria Bond'jr and McLaughlin, A new ground truth data set for seismic studies, <b>Seism. Res. Let.</b>, <b>80</b>,465-472, 2009

DDA 01 15:28:56.6,38.96N;43.54E,h8km,MI3.4 CSEM 01 15:29:00.2;0.2,38.93N;43.26E,h2km,ML3.4,Error ellipse: s-maj=6.4km s-min=4.6km az=154.0

ISC 01 15:28:57.2;0.9,38.95N;0.02;43.53E;0.02,h5km,8km, n23,r2512/106,13C-12D,Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, etc.

ISCJB 01 15:00:45.4;0.4,40.28N;0.03;27.88E;0.03,h12km,4km, Error ellipse: s-maj=5.6km s-min=3.3km az=167.4

CSEM 01 15:00:45.7;0.1,40.29N;27.87E,h15km,MD2.6,Error ellipse: s-maj=2.4km s-min=1.5km az=163.0

ISK 01 15:00:45.3,40.29N;27.87E,h16km,MD2.6 DDA 01 15:00:45.8,40.34N;27.85E,h7km,MI2.7

ISC 01 15:00:45.8;0.9,40.29N;0.02;27.87E;0.02,h13km,9km, n59,r0567/72,Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, etc.

Table with columns: QZX, QAZ, Azerba, 2.54 33, P, Sg, 15.29 45.6 +5.9, etc.

CSEM 01 15:29:44.4;0.3,38.14N;20.21E,h2km,ML3.1,Error ellipse: s-maj=6.5km s-min=3.4km az=35.0

THE 01 15:29:45.8,38.17N;20.31E,h0km,2km,ML2.9/13,Error ellipse: s-maj=3.4km s-min=0.8km az=243.0

ATH 01 15:29:45.8,38.19N;20.37E,h19km,1km,ML3.1/4,Error ellipse: s-maj=3.1km s-min=1.2km az=66.0

ISC 01 15:29:44.7;1.3,38.16N;0.03;20.23E;0.04,h6km,9km, n81,r0586/124,Greece

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, etc.



YSS	comp=Z,20nm,0.8s			pmax	pmax				
YSS	comp=Z,300nm,7.1s			MLR	MLR				
YSS	comp=Z,2um,15.0s								
USSR	Yuzh-Sakhalins	11.01 4 ePn				16 23 59.9	-1.9		
USSR	Ussuriysk Ar.	11.10 321 Pn				16 24 04.5	+1.6		
USSR	comp=Z,1.0nm,0.3s,baz=133,slow=12,SNR=41			LR	LR				
USRK	comp=Z,3um,18.4s,baz=124,slow=36			LR	LR	16 28 09.9			
KSRS	Korea Array	11.18 282 Pn				16 24 07.3	+3.3		
KSRS	comp=Z,0.5nm,0.3s,baz=98,slow=13,SNR=45			LR	LR	16 28 38.8			
KSRS	comp=Z,2um,18.1s,baz=98,slow=39								
KS15	Wonju Array Si	11.21 282 ePn				16 24 07.8	+3.3		
KSAR	Wonju Array Be	11.21 282 P				16 24 07.4	+2.9		
KSAR	Wonju Array Be	11.21 282 Pn				16 24 07.3	+2.9		
TJN	Taejon	11.61 276 eP				16 24 12.5	+2.5		
MDJ	Mudanjiang	12.66 317 P				16 24 24.9	+0.6		
MDJ				pP	pP	16 24 29.2	-6.2		
MDJ				sS	sS	16 24 33.0			
MDJ				S	S	16 26 48.2	+3.8		
MDJ				sS	sS	16 26 55.4			
MDJ				ScP	ScP	16 33 31.0	-1.5		
MDJ	comp=Z,5.0nm,0.5s			pmax	pmax				
MDJ	comp=Z,270nm,8.2s								
MDJ	comp=Z,2um,17.1s			LR	LR				
MDJ	comp=Z,2um,15.7s			LR	LR				
MDJ	comp=Z,3um,16.2s			LR	LR				
MDJ	Mudanjiang	12.66 317 ePn				16 24 24.6	+0.3		
HABR	Khabarovsk	13.44 341 eP				16 24 34.3	-0.6		
HABR	comp=N,19nm,1.7s			pmax	pmax				
HABR	comp=E,29nm,1.7s			pmax	pmax				
HABR	comp=Z,25nm,1.7s			pmax	pmax				
CN2	Changchun	14.73 307 eP				16 24 50.8	-1.7		
CN2				ePP	ePP	16 25 02.8	+2.3		
CN2				eS	eS	16 27 33.8	-1.1		
CN2	comp=Z,20nm,1.3s			pmax	pmax				
CN2	comp=Z,200nm,4.0s			LR	LR				
CN2	comp=Z,700nm,14.0s			LR	LR				
CN2	comp=Z,2um,14.0s			LR	LR				
CN2	comp=Z,3um,14.0s			LR	LR				
KLR	Kul'dur	15.14 334 Pn				16 24 55.6	-2.4		
KLR	comp=Z,0.0nm,0.3s,baz=141,slow=12,SNR=13			LR	LR	16 30 48.7			
KLR	comp=Z,1.10nm,18.3s,baz=144,slow=37								
SNY	Shenyang	15.29 298 P				16 24 59.4	-0.5		
SNY	comp=Z,37nm,1.6s			pmax	pmax				
SNY	comp=Z,360nm,12.3s			pmax	pmax				
SNY	comp=Z,2um,15.8s			LR	LR				
SNY	comp=Z,3um,16.5s			LR	LR				
DL2	Dalian	16.23 286 P				16 25 12.7	+0.6		
DL2				S	S	16 28 13.8	+2.4		
DL2	comp=Z,60nm,1.0s			pmax	pmax				
DL2	comp=Z,340nm,4.5s			LR	LR				
DL2	comp=Z,3um,15.3s			LR	LR				
NKL	Nikolayevsk	17.20 358 eP				16 25 25.0	+0.7		
NKL	comp=Z,130nm,1.5s			MLR	MLR				
NKL	comp=N,2um,15.0s			MLR	MLR				
NKL	comp=E,2um,15.0s			MLR	MLR				
SSE	Sheshan	17.79 260 P				16 25 30.1	-1.6		
SSE				sP	sP	16 25 41.9	0.0		
SSE				S	S	16 28 46.1	-3.2		
SSE	comp=Z,23nm,0.6s			pmax	pmax				
SSE	comp=Z,73nm,3.5s			LR	LR				
SSE	comp=Z,2um,15.4s			LR	LR				
SSE	comp=Z,960nm,15.4s			LR	LR				
NJ2	Nanjing	19.34 265 eP				16 25 48.5	-1.0		
NJ2				S	S	16 29 24.4	-2.5		
NJ2	comp=Z,14nm,0.6s			LR	LR				
NJ2	comp=Z,1um,17.3s			LR	LR				
NJ2	comp=Z,2um,19.0s			LR	LR				
NJ2	comp=Z,1um,15.7s			LR	LR				
PEA0B	Petrovavlovsk	20.50 28 eP				16 26 02.1	+0.2		
PETK	Petrovavlovsk	20.50 28 P				16 26 03.0	-1.2		
PETK	comp=Z,1.2nm,0.8s,baz=234,slow=9.0,SNR=14			LR	LR	16 33 48.3			
BJI	Beijing	20.51 289 P				16 25 59.7	-2.5		
BJI				S	S	16 29 51.0	+0.4		
BJI	comp=Z,37nm,1.8s			pmax	pmax				
BJI	comp=Z,170nm,3.9s			LR	LR				
BJI	comp=Z,890nm,14.4s			LR	LR				
BJI	comp=Z,930nm,16.2s			LR	LR				
BJI	comp=Z,740nm,18.6s								
BJT	Baijituau	20.52 289 eP				16 25 58.7	-3.5		
BJT	comp=Z,40nm,0.8s			pmax	pmax				
BJT	Baijituau	20.52 289 eP				16 25 58.7	-3.5		
PET	Petrovavlovsk	20.82 30 eP				16 26 04.4	-0.9		
PET				eS	eS	16 29 50.1	-6.1		
PET	comp=Z,50nm,1.2s			MLR	MLR				
HIA	Hailar	20.84 316 eP				16 26 03.8	-1.9		
HIA				pmax	pmax				
HIA	comp=Z,45nm,0.9s			P	P	16 26 03.8	-1.9		
GUMO	Guam	22.45 172 LR				16 37 43.8			
CLNS	Chul'man	23.77 337 eP				16 26 32.8	-3.4		
CLNS				ePP	ePP	16 26 42.3	-0.9		
CLNS				eS	eS	16 30 49.0	-1.2		
CLNS	comp=Z,62nm,1.1s			pmax	pmax				
CLNS	comp=N,53nm,1.3s			pmax	pmax				
CLNS	comp=E,19nm,1.1s			pmax	pmax				
CLNS	comp=N,24nm,0.7s			pmax	pmax				
CLNS	comp=Z,31nm,0.9s			pmax	pmax				
CLNS	comp=E,19nm,0.4s			smax	smax				

CLNS	comp=N,270nm,12.6s			smax	smax				
CLNS	comp=Z,781nm,13.0s			MLR	MLR				
CLNS	comp=N,779nm,13.0s			MLR	MLR				
CLNS	comp=E,667nm,11.0s			MLR	MLR				
HHC	Hu-ho-hao-te	24.07 291 eP				16 26 39.2	-0.1		
HHC				sP	sP	16 26 39.9	+0.6		
HHC				S	S	16 30 55.3	-0.1		
HHC				sS	sS	16 31 05.2	+2.3		
HHC	comp=E,29nm,1.1s			pmax	pmax				
HHC	comp=E,160nm,4.8s			LR	LR				
HHC	comp=E,750nm,14.8s			LR	LR				
HHC	comp=E,1um,13.6s			LR	LR				
HHC	comp=E,1um,13.6s			LR	LR				
MA2	Magadan	24.36 11 P				16 26 42.3	+0.7		
MA2	comp=E,22nm,0.7s,baz=199,slow=7.4,SNR=21			LR	LR	16 36 58.0			
CIT	Chita	25.63 318 eP				16 26 52.9	-0.5		
CIT				e	e	16 27 00.9			
XAN	Xi'an	26.87 276 P				16 27 04.4	-0.3		
XAN				pP	pP	16 27 09.9	-1.9		
XAN				PP	PP	16 27 47.5	+0.7		
XAN				PcP	PcP	16 30 27.2	+0.4		
XAN				S	S	16 31 36.3	-3.7		
XAN				SS	SS	16 32 47.4	+2.0		
XAN	comp=E,60nm,1.3s			pmax	pmax				
XAN	comp=E,290nm,9.5s			LR	LR				
XAN	comp=E,400nm,16.3s			LR	LR				
XAN	comp=E,910nm,15.9s			LR	LR				
YAK	Yakutsk	27.17 348 P				16 27 07.1	0.0		
YAK	comp=E,51nm,0.8s,baz=215,slow=1.4,SNR=38			ePP	ePP	16 27 07.0	0.0		
YAK	Yakutsk	27.17 348 eP				16 27 16.7	-0.4		
YAK				ePP	ePP	16 27 55.9			
YAK	comp=Z,115nm,1.2s			pmax	pmax				
YAK	comp=E,29nm,1.4s			pmax	pmax				
YAK	comp=N,68nm,1.2s			pmax	pmax				
YAK	comp=Z,93nm,2.0s			pmax	pmax				
YAK	comp=N,74nm,2.2s			pmax	pmax				
YAK	comp=E,89nm,2.6s			MLR	MLR				
YAK	comp=Z,1um,15.0s			MLR	MLR				
YAK	comp=E,306nm,14.0s			MLR	MLR				
YAK	comp=N,871nm,14.0s			MLR	MLR				
YAK	Yakutsk	27.17 348 eP				16 27 06.8	-0.2		
H11N2	WAKE ISLAND Hy 27.39 119 T					16 55 55.5			
H11N1	WAKE ISLAND Hy 27.40 119 T					16 55 54.1			
H11N3	WAKE ISLAND Hy 27.41 119 T					16 55 55.3			
ENH	Enshi	27.51 267 eP				16 27 08.5	-2.0		
GZH	Guangzhou	27.71 250 P				16 27 06.6	-5.7		
GZH				S	S	16 31 46.7	-6.6		
GZH	comp=Z,290nm,3.7s			LR	LR				
SEY	Seymchan	27.80 10 P				16 27 14.2	+1.5		
H11S1	WAKE ISLAND Hy 28.08 122 T					16 56 33.6			
H11S3	WAKE ISLAND Hy 28.08 122 T					16 56 34.6			
H11S2	WAKE ISLAND Hy 28.09 122 T					16 56 34.5			
ULN	Ulaanbaatar	28.17 306 eP				16 27 16.1	-0.3		
ULN	comp=Z,15nm,0.8s			pmax	pmax				
ULN	Ulaanbaatar	28.17 306 eP				16 27 16.1	-0.3		
ULN	comp=Z,14nm,0.8s			LR	LR				
ULN	Ulaanbaatar	28.17 306 P				16 27 16.6	+0.2		
ULN	SNR=7.2								
ULN	Ulaanbaatar	28.17 306 P				16 27 16.6	+0.2		
BOD	Bodaibo	28.57 329 eP				16 27 19.6	0.0		
BOD	comp=Z,79nm,1.3s			pmax	pmax				
SONM	Songino Array	28.60 306 P				16 27 20.5	+0.3		
SONM	comp=Z,12nm,0.6s,baz=105,slow=8.7,SNR=52			LR	LR	16 39 17.2			
SONM	comp=Z,1um,18.6s,baz=101,slow=37			LR	LR				
SONM	Songino Array	28.60 306 P				16 27 20.5	+0.3		
SONM	comp=Z,11nm,0.6s			MLR	MLR				
SONM	comp=Z,1um,18.6s			MLR	MLR				
TGY	Tagaytay City	28.66 226 LR				16 38 37.1			
LZH	Lanzhou	30.51 282 eP				16 27 37.5	+0.2		
LZH				pP	pP	16 27 44.2	-0.2		
LZH				sP	sP	16 27 47.5	+0.2		
LZH				eS	eS	16 32 37.3	-0.2		
LZH				sS	sS	16 32 50.3	+1.1		
LZH				SS	SS	16 34 08.2	-8.7		
LZH	comp=Z,73nm,1.2s			pmax	pmax				
LZH	comp=Z,270nm,4.4s			LR	LR				
LZH									





SIM	Simferopol	76.27	316ceP	P	16 33 12.8 +0.4
SIM					16 33 22.0
SIM	comp=Z,22nm,0.8s		MLR	MLR	
H17A	Grant Village	76.66	45 P	P	16 33 17.6 +2.7
MARD	Mardin	76.70	306 eP	P	16 33 15.7 +0.5
IMW	Indian Meadow	76.75	45 eP	P	16 33 17.1 +1.6
FXWY	Fox Creek	76.86	45 eP	P	16 33 17.6 +1.5
TPAW	Teton Pass	76.99	45 eP	P	16 33 17.4 +0.5
R11A	Troy Canyon, C	77.23	52 P	P	16 33 19.6 +1.4
R11A	Troy Canyon, C	77.23	52 eP	P	16 33 19.3 +1.1
TPNV	Topopah Spring	77.62	53 P	P	16 33 21.6 +1.3
TPNV	Topopah Spring	77.62	53 eP	P	16 33 21.2 +0.8
TPNV	comp=Z,11nm,1.1s		pmx	pmx	
TPNV	Topopah Spring	77.62	53 eP	P	16 33 21.1 +0.8
SFNV	Suffian	77.65	306 eP	P	16 33 21.5 +1.1
EDW2	Edwards Air Fo	77.76	56 P	P	16 33 21.7 +1.2
CCCA	Cher Canyon	77.71	55 eP	P	16 33 22.6 +1.8
HWUT	Hardware Ranch	77.78	47 eP	P	16 33 22.4 +1.2
DUG	Dugway, Tooele	77.87	49 P	P	16 33 23.2 +1.5
DUG	Dugway, Tooele	77.87	49 eP	P	16 33 22.8 +1.1
DUG	comp=Z,24nm,1.6s		pmx	pmx	
DUG	Dugway, Tooele	77.87	49 eP	P	16 33 22.8 +1.1
KIS	Kishinev	77.87	320 eP	MLR	16 33 22.0 +0.6
KIS	comp=Z,600nm,20.0s		LRM	MLR	17 10 40.0
KIS	Kishinev	77.87	320 eP	P	16 33 22.0 +0.6
KIS					16 43 10.0
KIS	comp=Z,2um,17.0s		MLR	MLR	
KIS	comp=N,1um,19.0s		MLR	MLR	
KIS	comp=E,600nm,20.0s		MLR	MLR	
KIS	comp=Z,2um,16.0s		MLR	MLR	
MWC	Mount Wilson	78.00	56 eP	P	16 33 24.1 +1.6
MWC	Mount Wilson	78.00	56 eP	P	16 33 24.1 +1.6
TCUT	Toone Canyon	78.17	48 eP	P	16 33 24.8 +1.3
GSC	Goldstone, Bar	78.21	55 P	P	16 33 24.2 +0.6
PD31	Pinedale Array	78.24	45 eP	P	16 33 24.5 +0.6
PDAR	Pinedale Array	78.24	45 P	P	16 33 24.8 +0.9
PDAR	comp=Z,3.6nm,0.6s,baz=264,slow=2.1,SNR=39				
LVL	L'vov	78.39	324 eP	P	16 33 27.8 +3.6
BEL	Belsk	78.48	327 eP	P	16 33 26.1 +1.5
BEL	Belsk	78.48	327 eP	P	16 33 27.8 +1.3
OSCC	Desert Studies	78.71	55 eP	P	16 33 28.1 +0.8
ILGA	Ilgaz	78.82	313 eP	P	16 33 29.6 +0.9
CCUT	Cedar City	79.12	51 eP	P	16 33 29.6 +0.9
KWP	Kalwarja Pacia	79.15	325 eP	P	16 33 29.6 +1.2
KWP	Kalwarja Pacia	79.15	325 eP	P	16 33 29.6 +1.2
BUR08	Bucovina Ar. S	79.30	322 eP	P	16 33 29.5 +0.1
BURAR	Bucovina Array	79.31	322 eP	P	16 33 30.5 +1.1
PLM	Palomar	79.31	57 eP	P	16 33 30.7 +0.9
PLM	Palomar	79.31	57 eP	P	16 33 30.7 +0.9
TESR	Tescani	79.32	300 eP	P	16 33 30.0 +0.6
RAR	Rarotonga	79.33	126 LR	LR	17 05 52.7
CFR	Carcaiiu	79.43	319 eP	P	16 33 30.4 +0.5
PFO	Pinoy Flats O	79.43	56 P	P	16 33 30.6 +0.2
PFO	comp=Z,7nm,0.9s,baz=314,slow=4.9,SNR=3.1				
LCMT	Little Creek M	79.52	52 eP	P	16 33 31.7 +0.9
M17U	Mount Pierson	79.56	50 eP	P	16 33 32.3 +1.0
PTPA	Butcher Ranch	79.58	49 eP	P	16 33 32.4 +1.2
VRI	Vrincioiaia	79.71	320 eP	P	16 33 32.9 +1.4
THR	Thirgur	79.74	318 eP	P	16 33 32.4 +0.8
BR13	Breskvin Array S	79.75	312 eP	P	16 33 32.7 +0.5
BRTR	Breskvin Array B	79.75	312 eP	P	16 33 32.6 +0.6
BRTR	comp=Z,10nm,0.9s,baz=97,slow=3.6,SNR=40				17 13 27.1
PLOR	Plotina	79.75	320 eP	P	16 33 33.4 +1.6
DRWC	Darouich	79.76	308 eP	P	16 33 32.8 +0.7
KNB	Kanab	79.78	52 eP	P	16 33 33.7 +1.4
KNB			pmx	pmx	
KNB	comp=Z,18nm,1.3s				
TLB	Topalu	79.85	318 eP	P	16 33 33.2 +0.9
MONP2	Monument Peak	79.88	57 P	P	16 33 33.5 +0.6
SRU	San Rafael Swe	79.93	49 eP	P	16 33 32.7 -0.4
SRU			pmx	pmx	
SRU	comp=Z,11nm,0.7s				
SRU	San Rafael Swe	79.93	49 eP	P	16 33 32.7 -0.4
SRU	comp=Z,11nm,0.7s				
STHS	Stebnicka Huta	79.98	325 eP	P	16 33 34.8 +1.9
STHS			pmx	pmx	
STHS	comp=Z,6.0nm,0.9s				
STHS	Stebnicka Huta	79.98	325 eP	P	16 33 34.8 +1.9
UZH	Uzhangor	80.04	324 eP	P	16 33 32.7 -0.5
UZH					16 33 32.2
OJC	Ojcow	80.07	326 eP	P	16 33 34.3 +0.9
OJC	Ojcow	80.07	326 eP	P	16 33 34.3 +0.9
OJC	Ojcow	80.07	326 eP	P	16 33 33.9 +0.5
ANTO	Ankara	80.17	312 eP	P	16 33 33.8 -0.4
ANTO			pmx	pmx	
ANTO	comp=Z,18nm,0.7s				
ANTO	Ankara	80.17	312 eP	P	16 33 33.8 -0.4
ANTO	comp=Z,18nm,0.7s				
IKP	In-Ko-Pah, Jac	80.23	57 P	P	16 33 35.4 +0.7
CRVS	Cervenica-Dubn	80.24	325 eP	P	16 33 34.6 +0.3
CRVS	Cervenica-Dubn	80.24	325 eP	P	16 33 34.6 +0.3
BTRCH	Batrach	80.25	307 eP	P	16 33 35.1 +0.4
UTLM	Utah	80.26	33 P	P	16 33 34.2 -0.2
ISR	Istria	80.30	319 eP	P	16 33 36.0 +1.2
DOPR	Dojca	80.33	321 eP	P	16 33 36.4 +1.5
NIE	Niedzica	80.41	326 eP	P	16 33 36.5 +1.2
NIE	Niedzica	80.41	326 eP	P	16 33 36.5 +1.2
U15A	North Rim	80.48	52 eP	P	16 33 37.1 +0.9
O20A	White River Ci	80.66	47 P	P	16 33 37.9 +0.8
O20A	White River Ci	80.66	47 eP	P	16 33 37.6 +0.6
ARNB	Al Arnab	80.67	308 eP	P	16 33 37.6 +0.6
VOIR	Rocking H Ranc	80.87	320 eP	P	16 33 38.6 +0.8
A32A	Rocking H Ranc	80.94	35 P	P	16 33 38.3 +0.3
BIDA	Albida	80.96	307 eP	P	16 33 38.9 +0.4
LANS	Liptovska Anna	80.99	326 eP	P	16 33 40.3 +1.9
LANS	Liptovska Anna	80.99	326 eP	P	16 33 40.3 +1.9
KECS	Kecevo	80.99	325 eP	P	16 33 39.8 +1.4
KECS			pmx	pmx	
KECS	comp=Z,8.0nm,1.7s				
KECS	Kecevo	80.99	325 eP	P	16 33 39.8 +1.4
OKC	Ostrava-Krasne	81.08	327 eP	P	16 33 39.4 +0.6
OKC	Ostrava-Krasne	81.08	327 eP	P	16 33 39.4 +0.6
DRGR	Dravograd	81.12	323 eP	P	16 33 40.0 +0.9
ARR	Arges	81.13	321 eP	P	16 33 41.2 +2.0
KSP	Ksiaz	81.14	328 eP	P	16 33 40.1 +1.1
KSP	Ksiaz	81.14	328 eP	P	16 33 40.2 +1.1
HAWK	Haweek	81.21	306 eP	P	16 33 39.7 -0.2
RAYN	Ar Rayn	81.29	293 eP	P	16 33 40.7 +0.2
PV04	Paradox Valley	81.37	49 eP	P	16 33 41.1 +0.3
MORC	Moravsky Berou	81.39	327 eP	P	16 33 41.4 +0.9
MORC	Moravsky Berou	81.39	327 eP	P	16 33 41.0 +0.5

MORC	comp=Z,37nm,1.0s		pmx	pmx	
MORC	Moravsky Berou	81.39	327 eP	P	16 33 41.0 +0.5
A33A	Warrod	81.43	34 P	P	16 33 40.7 +0.1
PV05	Paradox Valley	81.45	49 eP	P	16 33 41.6 +0.4
DPC	Dobruska-Polom	81.50	328 eP	P	16 33 42.4 +1.3
DPC			AMS	AMS	17 13 00.0
DPC	comp=Z,800nm,17.4s				
DPC	Dobruska-Polom	81.50	328 eP	P	16 33 42.4 +1.3
DPC			MLR	MLR	16 33 47.0
UPC	Upice	81.51	328 eP	AMS	17 13 00.0
N23A	Red Feather La	81.52	45 P	P	16 33 43.1 +1.5
N23A	Red Feather La	81.52	45 eP	P	16 33 42.9 +1.3
WUAZ	Wupatki	81.62	52 P	P	16 33 43.3 +1.1
PSZ	Piszkesteto	81.67	325 eP	P	16 33 43.0 +0.9
PSZ	Piszkesteto	81.67	325 eP	P	16 33 42.1 0.0
PSZ			pmx	pmx	
PSZ	comp=Z,18nm,1.1s				
PSZ	Piszkesteto	81.67	325 eP	P	16 33 42.1 0.0
PSZ	comp=Z,18nm,1.1s				
PV01	Paradox Valley	81.74	49 eP	P	16 33 43.6 +0.8
VYHS	Vyhne	81.75	326 eP	P	16 33 43.3 +0.9
VYHS			pmx	pmx	
VYHS	comp=Z,6.0nm,1.1s				
BOLV	Bolvadin	82.00	312 eP	P	16 33 44.3 +0.2
SALA	Sala	82.09	305 eP	P	16 33 41.6 -3.1
B34A	Aery, Baudette	82.09	34 P	P	16 33 44.2 0.0
BRG	Berggiesshubel	82.10	330 eP	P	16 33 44.6 +0.4
BRG			e	e	16 33 58.4
BRG	comp=Z,7.9nm,0.8s				
BRG	comp=N,613nm,14.1s				
BRG	comp=E,366nm,14.3s				
BRG	Berggiesshubel	82.10	330 eP	P	16 33 44.6 +0.4
BRG			e	e	16 33 58.4
BRG	comp=Z,11nm,1.1s				
BRG	comp=Z,8.0nm,0.8s				
BRG	comp=N,613nm,14.1s				
BRG	comp=E,366nm,14.3s				
PVCC	Panska Ves	82.11	329 eP	P	16 33 45.2 +1.0
PVCC	Panska Ves	82.11	329 eP	P	16 33 45.2 +1.0
COLM	Colim	82.15	330 eP	P	16 33 45.4 +0.1
COLL			pmx	pmx	
COLL	comp=Z,16nm,1.0s				
COLL	Colim	82.15	330 eP	P	16 33 44.5 +0.1
COLL			i	i	16 33 58.4
COLL	comp=Z,16nm,1.0s				
COLL	Colim	82.15	330 eP	P	16 36 52.0 +0.1
COLL			ePP	PP	16 33 44.4 0.0
VRAC	Vrac	82.16	327 eP	P	16 33 45.6 +1.1
BRBR	Barbar	82.18	306 eP	P	16 33 45.8 +0.6
MVCO	Mesa Verde	82.37	49 P	P	16 33 47.7 +1.5
ISCO	Idaho Springs	82.42	46 P	P	16 33 48.0 +1.5
ISCO	Idaho Springs	82.42	46 eP	P	16 33 47.1 +0.6
ISCO			pmx	pmx	
ISCO	comp=Z,4.0nm,0.9s				
ISCO	Idaho Springs	82.42	46 eP	P	16 33 47.1 +0.6
ISGO	Idaho Springs	82.42	46 eP	P	16 33 47.2 +1.0
ISGO	comp=Z,5.8nm,0.9s				
GOPC	GO Pecny, Ondr	82.48	329 eP	P	16 33 47.2 +1.0
GOPC	GO Pecny, Ondr	82.48	329 eP	P	16 33 47.0 +0.6
PRU	Pruhonic	82.53	329 eP	sP	16 33 57.9 +1.0
PRU			eSP	sP	16 33 47.0 +0.6
PRU	Pruhonic	82.53	329 eP	P	16 33 47.3 +0.4
B35A	Bob, Littlefor	82.61	34 P	P	16 33 47.3 +0.4
TREC	Trest	82.65	328 eP	P	16 33 48.1 +1.0
TREC	Trest	82.65	328 eP	P	16 33 48.1 +1.0
D3A	Park Rapids	82.87	35 P	P	16 33 48.5 +0.3
E33A	Westby DABS, E	82.91	36 P	P	16 33 49.2 +0.7
CSS	Cuculjevec	82.92	308 eP	P	16 33 48.8 +0.1
NKC	Novy Kostel	83.20	330 eP	AMS	17 14 40.0
Q24A	Divide	83.24	46 eP	P	16 33 51.5 +0.7
F33A	5 Mile Ranch	83.25	37 P	P	16 33 51.0 +0.7
CONA	Conrad Observa	83.51	327 eP	P	16 33 52.9 +1.2
MANT	Manisa	83.57	313 eP	P	16 33 52.5 +0.2
KHC	Kasperske Hory	83.59	329 eP	P	16 33 52.5 +0.5
KHC			ePP	PP	16 34 01.0 +1.3
KHC	Kasperske Hory	83.59	329 eP	P	16 33 52.5 +0.5
KHC			e	e	16 34 01.0
KHC	Kasperske Hory	83.59	329 eP	P	16 33 52.3 +0.3
G33A	Orville	83.64	37 P	P	16 33 52.9 +0.7
GEC2	GERESS Array S	83.75	328 eP	P	16 33 52.8 -0.1
GEC2			pmx	pmx	
GEC2	comp=Z,5.0nm,0.8s				
GEC2	GERESS Array S	83.75	328 eP	P	16 33 52.8 -0.1
GEC2	comp=Z,4.9nm,0.8s				
GERES	GERESS Array B	83.75	328 P	P	16 33 53.4 +0.4
GERES	comp=Z,3.4nm,0.8s,baz=38,slow=5.0,SNR=31				17 15 24.7
C37A	Embarrass	83.77	33 P		



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details for FETHYE, KASTELLORIZON, etc.

ISK 01 17:05:59.9, 38°18'N, 43°20'E, h0km, MD2.6
CSEM 01 17:06:01.3, 0.3, 38°18'0"N, 43°19'E, h2km, MD2.6, Error ellipse: s-maj=6.3km s-min=5.9km az=109.0

DDA 01 17:06:01.0, 38°18'N, 43°22'E, h7km, MI2.9
ISC 01 17:06:01.7-0.9, 38°18'0"N, 0.0-0.3, 43°22'E, 0.0-0.3, h15km, 9km, n22, e192/38, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details for VANB, GEVA, CLDR, etc.

ISC 01 17:11:46.0-4.5, 8.45S, 147°93E, h112km±17km, mb3.4/3, mb1 3.5/5, mb1mx3.2/39, mbtmp3.8/5, Error ellipse: s-maj=50.9km s-min=44.4km az=30.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details for PMG, WRA, ASAR, FITZ, STKA, etc.

ISK 01 17:17:43.3, 38°36'N, 43°22'E, h2km, MD2.9
ISC/JB 01 17:17:44.7-0.4, 38°36'N, 0.0-0.3, 43°22'E, h4km, 5km, Error ellipse: s-maj=4.4km s-min=4.2km az=34.7

CSEM 01 17:17:44.5-0.2, 38°32'N, 43°21'E, h8km, MD2.9, Error ellipse: s-maj=4.3km s-min=3.7km az=131.0

DDA 01 17:17:45.1, 38°59'N, 43°19'E, h7km, MI2.9
ISC 01 17:17:45.1-0.8, 38°59'N, 0.0-0.4, 43°19'E, 0.0-0.2, h13km, 6km, n40, e1513/62, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details for VANB, GEVA, ERCS, ADCV, CLDR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details for SVAN, BNGB, SENK, BINT, MAZI, etc.

ISC 01 17:18:02.0-0.5, 34°54'N, 104°29'E, h0km, mb4.5/35, mb1 4.6/38, mb1mx4.5/55, mbtmp4.5/38, ML3, 6/3, MS3.7/22, Ms1 3.7/22, Ms1mx3.5/44, Error ellipse: s-maj=12.1km s-min=10.5km az=19.0

ISC/JB 01 17:18:02.1-0.1, 34°49'N, 0.0-0.2, 104°14'E, 0.0-0.2, h10km, mb4.9/179, MS3.7/25, Error ellipse: s-maj=2.6km s-min=2.2km az=159.2

BJJ 01 17:18:03.3, 34°54'N, 104°22'E, h7km, mb4.6/41, mB4.7/30, ML4.8/26, Ms4.5/58, Ms7 4.3/56

MOS 01 17:18:05.6, 1.0, 34°49'N, 104°17'E, h34km, mb5.0/62, Error ellipse: s-maj=5.9km s-min=4.1km az=114.2

NEIC 01 17:18:07.0, 1.1, 34°54'N, 104°17'E, h32km, 7km, mb5.0/119, ML4.8(BJJ), Error ellipse: s-maj=3.2km s-min=2.6km az=54.0

ISC 01 17:18:03.9-0.2, 34°51'N, 0.0-0.3, 104°21'E, 0.0-0.3, h10km, n435, e1568/466, mb5.0/179, MS3.9/25, 46C-27D, Gansu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details for LZHZ, LZHZ, LZHZ, etc.

ENH 01 17:18:30.3, 10.0S, 147°93E, h112km±17km, mb3.4/3, mb1 3.5/5, mb1mx3.2/39, mbtmp3.8/5, Error ellipse: s-maj=50.9km s-min=44.4km az=30.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details for BTO, GY, GYA, etc.

ISC 01 17:17:43.3, 38°36'N, 43°22'E, h2km, MD2.9
ISC/JB 01 17:17:44.7-0.4, 38°36'N, 0.0-0.3, 43°22'E, h4km, 5km, Error ellipse: s-maj=4.4km s-min=4.2km az=34.7

CSEM 01 17:17:44.5-0.2, 38°32'N, 43°21'E, h8km, MD2.9, Error ellipse: s-maj=4.3km s-min=3.7km az=131.0

DDA 01 17:17:45.1, 38°59'N, 43°19'E, h7km, MI2.9
ISC 01 17:17:45.1-0.8, 38°59'N, 0.0-0.4, 43°19'E, 0.0-0.2, h13km, 6km, n40, e1513/62, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details for KMI, BJT, BJJ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details for DL2, DM2, etc.

MCO 01 17:18:02.0-0.5, 34°54'N, 104°29'E, h0km, mb4.5/35, mb1 4.6/38, mb1mx4.5/55, mbtmp4.5/38, ML3, 6/3, MS3.7/22, Ms1 3.7/22, Ms1mx3.5/44, Error ellipse: s-maj=12.1km s-min=10.5km az=19.0

ISC/JB 01 17:18:02.1-0.1, 34°49'N, 0.0-0.2, 104°14'E, 0.0-0.2, h10km, mb4.9/179, MS3.7/25, Error ellipse: s-maj=2.6km s-min=2.2km az=159.2

BJJ 01 17:18:03.3, 34°54'N, 104°22'E, h7km, mb4.6/41, mB4.7/30, ML4.8/26, Ms4.5/58, Ms7 4.3/56

MOS 01 17:18:05.6, 1.0, 34°49'N, 104°17'E, h34km, mb5.0/62, Error ellipse: s-maj=5.9km s-min=4.1km az=114.2

NEIC 01 17:18:07.0, 1.1, 34°54'N, 104°17'E, h32km, 7km, mb5.0/119, ML4.8(BJJ), Error ellipse: s-maj=3.2km s-min=2.6km az=54.0

ISC 01 17:18:03.9-0.2, 34°51'N, 0.0-0.3, 104°21'E, 0.0-0.3, h10km, n435, e1568/466, mb5.0/179, MS3.9/25, 46C-27D, Gansu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details for QZ, QZ, QZ, etc.

ENH 01 17:18:30.3, 10.0S, 147°93E, h112km±17km, mb3.4/3, mb1 3.5/5, mb1mx3.2/39, mbtmp3.8/5, Error ellipse: s-maj=50.9km s-min=44.4km az=30.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details for PKI, KKN, PKIN, etc.

ISC 01 17:17:43.3, 38°36'N, 43°22'E, h2km, MD2.9
ISC/JB 01 17:17:44.7-0.4, 38°36'N, 0.0-0.3, 43°22'E, h4km, 5km, Error ellipse: s-maj=4.4km s-min=4.2km az=34.7

CSEM 01 17:17:44.5-0.2, 38°32'N, 43°21'E, h8km, MD2.9, Error ellipse: s-maj=4.3km s-min=3.7km az=131.0

DDA 01 17:17:45.1, 38°59'N, 43°19'E, h7km, MI2.9
ISC 01 17:17:45.1-0.8, 38°59'N, 0.0-0.4, 43°19'E, 0.0-0.2, h13km, 6km, n40, e1513/62, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details for HIA, HIA, CIT, etc.







CCAR	Cane Creek	61.34 339	eP	P	18 08 39.5 -0.9	comp=Z,17nm,0.9s	US1N	University of	63.90 344	eP	P	18 08 56.2 -1.1	baz=161	Q40A	Laux Farm, Auc	66.10 341	P	P	18 09 10.6 -1.0
CCAR	Matatall Enter	61.40 335	eP	pP	18 09 02.8 +1.6	comp=Z,44nm,1.1s	40IN	Yellville	63.93 339	P	P	18 08 57.3 -0.3	baz=157	S36A	Lake Cedric, C	66.10 337	P	P	18 09 11.4 -0.2
JCT	Junction City	61.49 330	P	P	18 08 41.9 +0.3	baz=157,SNR=13	MCWV	Mont Chateau	63.97 351	eP	P	18 08 58.2 +0.4	baz=159,SNR=13	P42A	Winchester	66.14 342	P	P	18 09 10.9 -0.9
JCT	Junction City	61.49 330	eP	P	18 08 42.2 +0.6	comp=Z,12nm,0.8s	V38A	Canehill	64.01 337	P	P	18 08 58.0 -0.2	baz=159	HSIG		66.16 320	eP	P	18 09 13.4 +1.1
JCT	Junction City	61.49 330	eP	pP	18 09 02.1 -0.3	baz=159,SNR=13	W36A	Wetumka	64.03 336	P	P	18 08 57.5 -0.7	comp=Z,52nm,1.4s	U32A	Winter Ranch,	66.20 334	P	P	18 09 12.4 +0.1
JCT	Junction City	61.49 330	eP	sP	18 09 11.5 +0.1	baz=152,SNR=7.5	S44A	Carbondale	64.07 342	P	P	18 08 57.7 -0.7	baz=150	S35A	Otter Creek Ra	66.32 337	P	P	18 09 12.9 -0.2
JCT	Junction City	61.49 330	eP	pP	18 08 42.2 +0.6	baz=159	U39A	Green Forest	64.16 338	P	P	18 08 58.4 -0.7	baz=153,SNR=9.6	QSPA	South Pole Out	66.33 180	eP	P	18 09 13.7 +0.7
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	baz=155,SNR=14	S43A	Fulton Ridge,	64.19 342	P	P	18 08 58.5 -0.8	comp=Z,26nm,0.8s	R37A	Teagarden Farm	66.36 338	P	P	18 09 13.1 -0.1
JCT	Junction City	61.49 330	eP	sP	18 09 11.5 +0.1	baz=159,SNR=12	T41A	Mountain View	64.21 340	P	P	18 08 58.9 -0.5	baz=154,SNR=9.2	TRY	Troy	66.39 356	eP	P	18 09 14.6 +1.3
JCT	Junction City	61.49 330	eP	sP	18 09 11.5 +0.1	baz=157,SNR=6.6	HHAR	Hobbs	64.22 338	eP	P	18 08 59.2 -0.4	comp=Z,30nm,0.8s	ERPA	Erie	66.41 351	eP	P	18 09 12.0 -1.5
JCT	Junction City	61.49 330	eP	sP	18 08 42.2 +0.6	comp=Z,39nm,1.3s	V37A	Hulbert	64.29 337	P	P	18 08 60.0 0.0	baz=156,SNR=9.0	Q39A	Willow Grove F	66.42 340	P	P	18 09 13.3 -0.3
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	baz=152,SNR=7.7	W35A	Tecumseh	64.29 335	P	P	18 08 59.2 -0.8	baz=158	P41A	Barry, Barry	66.42 342	P	P	18 09 13.3 -0.4
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	baz=152,SNR=8	BRNJ	Basking Ridge	64.41 355	eP	P	18 09 01.0 +0.4	comp=Z,122nm,1.8s	N46A	Monticello	66.46 346	P	P	18 09 12.9 -1.0
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,122nm,1.8s	V36A	Jenks	64.50 336	P	P	18 09 01.1 -0.2	baz=153,SNR=14	Q43A	Sugar Creek Fa	66.52 343	P	P	18 09 13.3 -0.9
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	baz=153,SNR=14	U38A	Gravette	64.52 338	P	P	18 09 01.2 -0.3	baz=160	Q38A	Cooks Store, C	66.55 339	P	P	18 09 14.6 +0.1
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	baz=154	R44A	Wainville	64.54 343	P	P	18 09 00.5 -1.0	baz=156,SNR=20	P40A		66.58 341	P	P	18 09 14.3 -0.3
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	baz=160	T40A	Mansfield	64.54 340	P	P	18 09 01.2 -0.4	baz=157,SNR=12	N45A	Kentland	66.59 345	P	P	18 09 13.7 -1.0
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	baz=156,SNR=9.1	TUL1	Leaves	64.55 336	eP	P	18 09 01.6 -0.1	baz=162	R36A	Douglas, Harris	66.60 338	P	P	18 09 14.4 -0.4
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,36nm,0.8s	TUL1	Leaves	64.55 336	eP	pP	18 09 22.2 -0.4	baz=154	S34A	Willow Spring	66.62 336	P	P	18 09 15.2 +0.2
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,36nm,0.8s	TUL1	Leaves	64.55 336	eP	sP	18 09 30.9 -0.7	baz=152	O42A	Bath	66.64 343	P	P	18 09 14.5 -0.5
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,36nm,0.8s	F42A	Caledonia	64.58 341	P	pP	18 09 01.0 -0.8	baz=159	N44A	Piper City	66.69 344	P	P	18 09 14.7 -0.7
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,36nm,0.8s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	baz=161	Q37A	Longview Farm,	66.74 339	P	P	18 09 15.2 -0.5
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,36nm,0.8s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	baz=158	MMNV	Mt. Morris Dam	66.75 353	eP	P	18 09 16.1 +0.4
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,36nm,0.8s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	baz=156,SNR=11	P39B	Salisbury	66.76 340	P	P	18 09 15.5 -0.3
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,36nm,0.8s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	baz=155,SNR=11	HDIL	Hopedale	66.76 343	P	P	18 09 14.8 -1.0
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,36nm,0.8s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	comp=Z,25nm,0.6s	HDIL	Hopedale	66.76 343	eP	P	18 09 14.7 -1.0
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	comp=Z,25nm,0.6s	O41A	Passleys Farm	66.78 342	P	P	18 09 14.7 -1.3
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	comp=Z,25nm,0.6s	R35A	Emporia Municip	66.85 337	P	P	18 09 16.6 +0.2
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	baz=153	M46A	Old House Fiel	66.86 346	P	P	18 09 15.4 -1.0
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	baz=163	319A	Douglas	67.00 323	eP	P	18 09 18.9 +1.3
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	comp=Z,41nm,0.8s	FFD	Franklin Falls	67.04 358	eP	P	18 09 17.9 +0.5
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	comp=Z,89nm,1.8s	ACCN	Adirondack Com	67.04 356	eP	P	18 09 18.6 +1.1
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	comp=Z,16m,1.1s	BUF	Buffalo	67.05 352	eP	P	18 09 17.9 +0.3
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	baz=157,SNR=6.4	O40A	La Belle	67.07 341	P	P	18 09 17.1 -0.6
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	baz=142,SNR=6.2	121A		67.09 325	eP	P	18 09 19.9 +1.6
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	baz=156,SNR=8.6	P38A	Dawn	67.12 340	P	P	18 09 17.7 -0.4
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	baz=156,SNR=8.6	Q36A	Arnold C. Orve	67.16 338	P	P	18 09 17.9 -0.4
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	baz=152,SNR=8.3	R34A	Isabella, Hill	67.20 336	P	P	18 09 18.7 0.0
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	baz=159	N42A	Yates City	67.22 343	P	P	18 09 18.3 -0.3
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	baz=153	Q35A	Mercer Eighty,	67.27 338	P	P	18 09 18.8 -0.3
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	comp=Z,30nm,1.0s	HNN	Hanover	67.30 358	eP	P	18 09 19.4 +0.3
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	comp=Z,30nm,1.0s	N41A	Hann Midland	67.33 342	P	P	18 09 18.4 -0.9
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	baz=158,SNR=5.5	P37A	Lathrop	67.35 339	P	P	18 09 19.0 -0.5
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	baz=155	O39A	Kirkville	67.40 341	P	P	18 09 19.3 -0.5
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	baz=157	M43A	Waltham Townsh	67.50 344	P	P	18 09 19.4 -1.1
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	baz=160	O38A	Gal	67.56 340	P	P	18 09 20.2 -0.6
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	baz=156	MDV	Middlebury	67.63 357	eP	P	18 09 21.4 +0.2
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	baz=152	Q34A	Chapman	67.64 337	P	P	18 09 20.9 -0.5
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	comp=Z,12nm,1.0s	NCB	Newcomb	67.66 356	eP	P	18 09 22.0 +0.6
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	baz=154	P36A	Good Intent, A	67.67 339	P	P	18 09 20.9 -0.6
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	comp=Z,12nm,1.0s	KSU1	Kansas State U	67.68 337	P	P	18 09 21.1 -0.5
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	comp=Z,25nm,0.9s	KSU1	Kansas State U	67.68 337	eP	P	18 09 21.2 -0.5
JCT	Junction City	61.49 330	eP	sP	18 09 02.1 -0.3	comp=Z,25nm,0.6s	FVM	French Village	64.67 342	eP	pP	18 09 01.7 -0.7	baz						



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1d 17h

CBKS Cedar Bluff	comp=Z,81nm,0.9s	68.60 335 eP	P	18 09 27.9 +0.5	Q24A	baz=145,SNR=12	70.98 331 eP	P	18 09 43.3 +0.9	H32A	Carlson Farm,	72.78 339 P	P	18 09 52.8 +0.1
CBKS	comp=Z,81nm,0.9s				Q24A	Divide	70.98 331 eP	P	18 10 04.3 +0.6	F36A	Milaca	72.83 342 P	P	18 09 52.6 -0.4
M38A Pleasantville	baz=156,SNR=7.8	68.66 341 P	P	18 09 27.1 -0.6	Q24A	comp=Z,25nm,0.9s			18 10 04.3 +0.6	N23A	Red Feather La	72.91 332 P	P	18 09 55.1 +1.2
N36A Muff Farm, Cla	baz=155	68.66 339 P	P	18 09 27.5 -0.2	I37A	Lemond, Waseca	71.10 342 P	P	18 10 04.2 +0.2	N23A	Red Feather L	72.91 332 eP	P	18 09 55.1 +1.2
O34A Beatrice	baz=153	68.68 338 P	P	18 09 27.3 -0.5	G41A	Antigo	71.12 345 P	P	18 10 04.2 +0.2	N23A	comp=Z,16nm,0.9s			18 09 55.1 +1.2
GGN Saint George		68.69 2 eP	P	18 09 28.9 +1.2	MVCO	Mesa Verde	71.13 328 P	P	18 09 42.7 0.0	LDFC	Landfair	73.00 322 eP	P	18 10 16.0 +0.8
GGN L40A Anamosa	baz=158,SNR=12	68.69 343 eP	P	18 09 50.3 +1.4	MVCO	Mesa Verde	71.13 328 eP	P	18 09 44.6 +1.4	E38A	The Farm, Brul	73.00 344 P	P	18 09 54.6 +0.6
PKME Peaks-Kenny Pk	comp=Z,33nm,1.0s	68.60 360 eP	P	18 09 29.6 +1.2	MVCO	Mesa Verde	71.13 328 eP	P	18 09 44.5 +1.2	PHWY	Pilot Hill	73.04 332 eP	P	18 09 55.5 +0.8
K42A Prairie Point,	baz=160,SNR=8.7	68.87 344 P	P	18 09 28.4 -0.5	H39A	Augusta	71.14 344 P	P	18 09 42.8 0.0	G33A	Ortonville	73.08 340 P	P	18 09 54.1 -0.3
O33A Hebron	baz=152,SNR=5.6	68.89 337 P	P	18 09 29.1 -0.1	F44A	Big Bay de Noc	71.25 347 P	P	18 09 42.7 -0.7	GMRC	Granite Mount	73.10 321 P	P	18 09 56.7 +1.7
SADO Sadowa	comp=Z,17nm,0.8s, baz=166,slow=3.5,SNR=8.3	68.90 352 P	P	18 09 29.4 +0.3	F43A	Flat Rock, Esc	71.26 347 P	P	18 09 43.0 -0.6	F35A	Swanville	73.12 342 P	P	18 09 54.7 0.0
SADO Sadowa	comp=Z,18nm,0.8s	68.90 352 eP	P	18 09 29.0 -0.2	WUAZ	Wupatki	71.28 325 P	P	18 09 46.1 +1.9	MURC	Murieta	73.15 320 P	P	18 09 56.9 +1.7
M37A Trindle Farm,	baz=156,SNR=5.2	68.91 340 P	P	18 09 29.4 +0.1	WUAZ	Wupatki	71.28 325 eP	P	18 09 46.0 +1.9	KNB	Knab	73.18 325 eP	P	18 09 57.7 +2.3
N35A Tabor	baz=154	68.93 339 P	P	18 09 28.9 -0.5	WUAZ	Wupatki	71.28 325 eP	P	18 10 06.0 +0.6	KNB	Knab	73.18 325 eP	P	18 09 57.7 +2.3
PLVO Plevna	comp=Z,21nm,1.3s	68.95 354 eP	P	18 09 29.8 +0.4	K32A	Verdigre	71.32 338 P	P	18 10 16.0 +1.6	KNB	comp=Z,48nm,1.1s			18 09 57.7 +2.3
K41A Shullsburg	baz=158,SNR=7.1	68.95 343 P	P	18 09 29.0 -0.5	OGNE	Ogallala	71.33 334 P	P	18 09 44.2 +0.2	F34A	Alexandria	73.26 341 P	P	18 09 55.8 +0.3
L39A Vinton	baz=159,SNR=5.9	68.96 342 P	P	18 09 28.9 -0.6	OGNE	Ogallala	71.33 334 eP	P	18 09 44.9 +0.7	O20A	White River Ci	73.33 330 P	P	18 09 57.6 +1.3
SCIA State Center	comp=Z,25nm,0.6s	69.11 341 eP	P	18 09 30.4 -0.1	GLA	comp=Z,24nm,0.9s	71.37 321 P	P	18 09 44.6 +0.4	O20A	White River Ci	73.33 330 eP	P	18 09 57.3 +1.1
T25A Trinidad	baz=146,SNR=10	69.15 330 P	P	18 09 32.3 +1.2	GLA	Glamis	71.37 321 P	P	18 09 46.4 +1.8	E36A	McGregor	73.36 343 P	P	18 09 55.9 -0.2
T25A Trinidad	comp=Z,28nm,1.4s	69.15 330 eP	P	18 09 32.1 +1.0	GLA	Glamis	71.37 321 eP	P	18 09 45.8 +1.2	LCMT	comp=Z,17nm,0.7s	73.40 325 eP	P	18 09 58.6 +1.9
M36A Felix, Anita	baz=155	69.19 340 P	P	18 09 30.5 -0.5	GLA	Glamis	71.37 321 eP	P	18 10 05.0 -0.9	SBA	Scott Base	73.46 191 eP	P	18 09 58.0 +1.7
N34A Lincoln	baz=153,SNR=5.9	69.19 338 P	P	18 09 30.5 -0.6	GLA	Glamis	71.37 321 eP	P	18 10 15.5 +0.7	SBA	Scott Base	73.46 191 eP	P	18 09 58.0 +1.7
J43A Natural Harves	baz=161	69.21 345 P	P	18 09 30.4 -0.6	E45A	Wooded Hills,	71.38 348 P	P	18 09 44.0 -0.2	HEC	Hector,Ludlow	73.52 321 P	P	18 09 59.3 +2.0
JFWS Jewell Farm	comp=Z,26nm,0.6s	69.22 344 eP	P	18 09 30.4 -0.8	H38A	Maiden Rock	71.40 343 P	P	18 09 44.4 0.0	SC12	San Clemente I	73.53 318 P	P	18 09 59.6 +2.3
JFWS Jewell Farm	comp=Z,26nm,0.6s	69.22 344 eP	P	18 09 30.4 -0.8	G40A	Rib Lake	71.42 345 P	P	18 09 44.2 -0.3	SRU	San Rafael Swe	73.61 328 eP	P	18 09 59.1 +1.2
L38A Oak Wood Farm,	baz=157	69.25 341 P	P	18 09 31.1 -0.3	I35A	Creekview Farm	71.42 341 P	P	18 09 44.7 +0.1	SRU	San Rafael Swe	73.61 328 eP	P	18 09 59.1 +1.2
K40A Colesburg	baz=158,SNR=8.8	69.26 343 P	P	18 09 30.5 -0.9	H37A	Dierks Farm, C	71.48 342 P	P	18 09 45.0 +0.1	SRU	San Rafael Swe	73.61 328 eP	P	18 09 59.1 +1.2
J42A Columbus	baz=160	69.32 345 P	P	18 09 31.2 -0.6	K31A	O'Neill	71.56 337 P	P	18 09 45.9 +0.5	SRU	San Rafael Swe	73.61 328 eP	P	18 09 59.1 +1.2
K39A Zelwein	baz=158,SNR=9.5	69.47 342 P	P	18 09 31.8 -0.9	J33A	Davis	71.56 339 P	P	18 09 45.6 +0.1	F39A	5 Mile Ranch,	73.61 341 P	P	18 09 59.1 +1.2
L37A Phoenix Point,	baz=156	69.47 341 P	P	18 09 32.1 -0.6	F41A	Three Lakes	71.60 345 P	P	18 09 45.4 -0.2	MTPU	Mount Pierson,	73.62 326 eP	P	18 09 59.2 +1.0
LMN Caledonia Moun	comp=Z,49nm,1.5s	69.50 3 eP	P	18 09 33.2 +0.3	G39A	Holcombe	71.67 344 P	P	18 09 45.4 -0.6	G31A	Conde	73.67 339 P	P	18 09 58.0 +0.1
J41A Loganville	baz=160,SNR=6.9	69.58 344 P	P	18 09 33.0 -0.4	Y12C	Blythe	71.70 321 P	P	18 09 48.2 +1.7	E35A	Pondet Lakes	73.71 342 P	P	18 09 58.2 +1.7
H43A Langenfeld Bro	baz=161	69.62 346 P	P	18 09 32.9 -0.7	Y12C	Blythe	71.70 321 eP	P	18 09 48.4 +1.9	TUQ	Turquoise Moun	73.72 322 P	P	18 10 00.4 +1.9
K38A Parkersburg	baz=157	69.66 342 P	P	18 09 33.4 -0.5	Y12C	Blythe	71.70 321 eP	P	18 09 48.4 +1.9	D37A	Cotton	73.74 344 P	P	18 09 58.2 -0.1
DBIC Dimbokro	comp=Z,12nm,0.7s, baz=235,slow=5.8,SNR=16	69.69 73 P	P	18 09 35.2 +0.6	E43A	Lone Tree Farm	71.75 347 P	P	18 09 46.3 -0.2	CIS	Catalina Islan	73.74 319 P	P	18 10 00.5 +1.8
DBIC Dimbokro	comp=Z,49nm,1.8,3s, baz=224,slow=55	69.69 73 eP	P	18 09 35.3 +0.6	H36A	Jessenland, He	71.77 342 P	P	18 09 47.0 +0.4	SZCU	Shurtz Canyon	73.75 325 eP	P	18 10 00.8 +2.0
DBIC Dimbokro	comp=Z,49nm,1.8,3s, baz=224,slow=55	69.69 73 eP	P	18 09 35.3 +0.6	E44A	Grand Marais A	71.77 348 P	P	18 09 46.3 -0.3	Q16A	Castle Valley	73.78 327 eP	P	18 09 59.7 +0.8
DBIC Dimbokro	comp=Z,49nm,1.8,3s, baz=224,slow=55	69.69 73 eP	P	18 09 35.3 +0.6	ECSD	EROS Data Cent	71.82 339 P	P	18 09 46.9 -0.1	C39A	Grand Marais	73.79 345 P	P	18 09 58.1 -0.4
L36A Harm Buss Farm	baz=155	69.73 340 P	P	18 09 34.3 -0.1	ECSD	EROS Data Cent	71.82 339 eP	P	18 09 47.2 +0.2	CCUT	Cedar City	73.86 325 eP	P	18 10 01.8 +2.3
X18A Snowflake	comp=Z,16nm,0.9s	69.78 325 eP	P	18 09 36.8 +1.8	ECSD	EROS Data Cent	71.82 339 eP	P	18 09 47.2 +0.2	CCUT	Cedar City	73.86 325 eP	P	18 10 01.8 +2.3
X18A Snowflake	comp=Z,16nm,0.9s	69.78 325 eP	P	18 09 36.8 +1.8	IKP	In-Ko-Pah, Jac	71.84 320 eP	P	18 10 07.5 -0.8	CCUT	Cedar City	73.86 325 eP	P	18 10 01.8 +2.3
GLMI Graying	comp=Z,30nm,0.5s	69.79 348 eP	P	18 09 37.0 +0.2	SWSC	Sam W. Stewart	71.86 320 P	P	18 09 49.2 +1.7	BFS	Mount Baldy Ra	73.87 320 P	P	18 10 22.9 +2.0
J40A Soldiers Grove	baz=159,SNR=5.4	69.80 343 P	P	18 09 34.2 -0.5	ISCO	Idaho Springs	71.87 331 P	P	18 09 49.2 +1.7	CCUT	Cedar City	73.87 320 P	P	18 10 22.9 +2.0
I42A Draeger Farm,	baz=161	69.81 345 P	P	18 09 34.5 -0.2	ISCO	Idaho Springs	71.87 331 eP	P	18 09 48.9 +1.1	BFS	Mount Baldy Ra	73.87 320 P	P	18 10 22.9 +2.0
M34A Aspy Farms, Fr	baz=153	69.81 338 P	P	18 09 34.8 -0.1	ISCO	Idaho Springs	71.87 331 eP	P	18 09 48.9 +1.1	P18A	Preston Nutter	73.93 321 eP	P	18 10 22.6 +1.5
TRQ Mont Tremblant	baz=153	69.92 356 eP	P	18 09 35.9 +0.4	ISCO	Idaho Springs	71.87 331 eP	P	18 09 48.5 +0.8	RRX	Edison Barrack	73.93 321 eP	P	18 10 22.6 +1.5
TRQ Mont Tremblant	baz=153	69.92 356 eP	P	18 09 35.9 +0.4	ISCO	Idaho Springs	71.87 331 eP	P	18 09 48.5 +0.8	D36A	Goodland	73.94 343 P	P	18 09 59.8 +0.3
KSC0 Kaye Shedlock'	baz=147	69.93 333 P	P	18 09 36.6 +0.8	ISCO	Idaho Springs	71.87 331 eP	P	18 10 09.3 +0.2	C38A	Sawbill Land.	73.97 345 P	P	18 09 59.1 -0.5
KSC0 Kaye Shedlock'	comp=Z,42nm,0.8s	69.93 333 eP	P	18 09 36.6 +0.8	ISCO	Idaho Springs	71.87 331 eP	P	18 10 09.3 +0.2	P17A	Butcher Ranch,	73.99 328 eP	P	18 10 01.6 +1.4
KSC0 Kaye Shedlock'	comp=Z,42nm,0.8s	69.93 333 eP	P	18 09 36.6 +0.8	ISCO	Idaho Springs	71.87 331 eP	P	18 10 09.3 +0.2	P17A	Butcher Ranch,	73.99 328 eP	P	18 10 01.6 +1.4
J39A Decorah	baz=158,SNR=6.7	70.00 343 P	P	18 09 36.8 +1.0	ISCO	Idaho Springs	71.87 331 eP	P	18 10 09.3 +0.2	P17A	Butcher Ranch,	73.99 328 eP	P	18 10 01.6 +1.4
L35A Bielow Farm, R	baz=154	70.02 339 P	P	18 09 36.1 0.0	ISCO	Idaho Springs	71.87 331 eP	P	18 10 09.3 +0.2	P17A	Butcher Ranch,	73.99 328 eP	P	18 10 01.6 +1.4
K37A Belmont	baz=156	70.03 341 P	P	18 09 36.0 -0.1	ISCO	Idaho Springs	71.87 331 eP	P	18 10 09.3 +0.2	P17A	Butcher Ranch,	73.99 328 eP	P	18 10 01.6 +1.4
M33A Taylor Creek F	baz=153	70.08 338 P	P	18 09 36.4 -0.1	ISCO	Idaho Springs	71.87 331 eP	P	18 10 09.3 +0.2	P17A	Butcher Ranch,	73.99 328 eP	P	18 10 01.6 +1.4
H43A Windswept, Lux	baz=162	70.09 346 P	P	18 09 36.2 -0.3	ISCO	Idaho Springs	71.87 331 eP	P	18 10 09.3 +0.2	P17A	Butcher Ranch,	73.99 328 eP	P	18 10 01.6 +1.4
W18A Petrified Fore	baz=141,SNR=13	70.12 326 P	P	18 09 38.5 +1.5	ISCO	Idaho Springs	71.87 331 eP	P	18 10 09.3 +0.2	P17A	Butcher Ranch,	73.99 328 eP	P	18 10 01.6 +1.4
W18A Petrified Fore	comp=Z,33nm,0.9s	70.12 326 eP	P	18 09 38.4 +1.3	ISCO	Idaho Springs	71.87 331 eP	P	18 10 09.3 +0.2	P17A	Butcher Ranch,	73.99 328 eP	P	18 10 01.6 +1.4
W18A Petrified Fore	comp=Z,33nm,0.9s	70.12 326 eP	P	18 09 38.4 +1.3	ISCO	Idaho Springs	71.87 331 eP	P	18 10 09.3 +0.2	P17A	Butcher Ranch,	73.99 328 eP	P	18 10 01.6 +1.4
SDCO Great Sand Dun	baz=144,SNR=25	70.14 330 P	P	18 09 38.4 +1.3	ISCO	Idaho Springs	71.87 331 eP	P	18 10 09.3 +0.2	P17A	Butcher Ranch,	73.99 328 eP	P	18 10 01.6 +1.4
SDCO Great Sand Dun	comp=Z,44nm,1.4s	70.14 330 eP	P	18 09 38.5 +1.2	ISCO	Idaho Springs	71.87 331 eP	P	18 10 09.3 +0.2	P17A	Butcher Ranch,	73.99 328 eP	P	18 10 01.6 +1.4
SDCO Great Sand Dun	comp=Z,44nm,1.4s	70.14 330 eP	P	18 09 38.5 +1.2	ISCO	Idaho Springs	71.87 331 eP	P	18 10 09.3 +0.2	P17A	Butcher Ranch,	73.99 328 eP	P	18 10 01.6 +1.4
L34A Svendsen Farm,	baz=154	70.16 339 P	P	18 09 36.8 -0.2	ISCO	Idaho Springs	71.87 331 eP	P	18 10 09.3 +0.2	P17A	Butcher Ranch,	73.99 328 eP	P	18 10 01.6 +1.4
J38														

RSSD	Black Hills	74.80	335	eP	P	18 10 05.8 +1.0
RSSD	comp=Z,15nm,0.8s					
RSSD				eP	pP	18 10 26.8 +0.6
RSSD				eS	sP	18 10 36.4 +1.3
RSSD				eP	sP	18 10 07.0 +1.8
C34A	Maple Canyon	74.85	328	eP	P	18 10 04.6 -0.1
SCZ2	RKJ Ranch, Bem	74.85	342	P	P	18 10 04.6 -0.1
FURC	Santa Cruz Isl	74.89	312	P	P	18 10 07.0 +1.8
TPNV	Furnace Creek,	74.99	328	P	P	18 10 07.5 +1.8
TPNV	Topopah Spring	74.99	323	P	P	18 10 07.9 +1.9
TPNV	Topopah Spring	74.99	323	eP	pmax	18 10 07.9 +1.9
TPNV	Topopah Spring	74.99	323	eP	P	18 10 07.9 +1.9
D32A	Dogwood Acres,	75.00	341	P	P	18 10 05.5 -0.1
NLU	North Lily Min	75.02	327	eP	P	18 10 05.0 -1.2
MLMC	Manuel Prospec	75.05	321	P	P	18 10 07.5 +1.1
B35A	Bob, Littlefor	75.18	343	P	P	18 10 06.0 -0.5
C33A	Trail	75.19	342	P	P	18 10 06.4 -0.2
JLU	Jordanelle	75.21	328	eP	P	18 10 08.5 +1.2
DAC	Darwin (Calif)	75.27	321	eP	pmax	18 10 09.1 +1.5
DAC	Darwin (Calif)	75.27	321	eP	P	18 10 09.1 +1.5
ISA	Isabella, Lake	75.35	320	P	P	18 10 09.6 +1.7
ISA	Isabella, Lake	75.35	320	eP	pP	18 10 08.2 +0.3
ISA	Isabella, Lake	75.35	320	eP	pmax	18 10 25.5 -3.9
ISA	Isabella, Lake	75.35	320	eP	P	18 10 08.2 +0.3
CTU	Camp Tracy	75.43	328	eP	pP	18 10 25.5 -3.9
B34A	Aery, Baudette	75.54	343	P	P	18 10 09.1 +0.6
DUG	Dugway, Tooele	75.57	327	eP	P	18 10 10.7 +1.5
DUG	Dugway, Tooele	75.57	327	eP	pmax	18 10 10.4 +1.2
DUG	Dugway, Tooele	75.57	327	eP	P	18 10 10.4 +1.2
TCUT	Toone Canyon	75.59	328	eP	P	18 10 10.4 +1.2
PKM	Mcperson Peak	75.61	319	P	P	18 10 11.3 +1.7
B33A	Robert and Kas	75.61	342	P	P	18 10 09.0 0.0
R11A	Troy Canyon, C	75.64	324	P	P	18 10 11.5 +1.8
R11A	Troy Canyon, C	75.64	324	eP	P	18 10 11.3 +1.7
GRAC	Grapevine Rang	75.65	322	P	P	18 10 11.1 +1.6
CWC	Cottonwood Cre	75.66	321	P	P	18 10 11.5 +1.6
AGMN	Agassiz Nation	75.71	342	P	P	18 10 09.8 +0.2
AGMN	Agassiz Nation	75.71	342	eP	P	18 10 09.5 -0.1
VES	Vestal, Richgr	75.83	320	P	P	18 10 12.1 +1.6
B32A	Ashes, Strandq	75.89	342	P	P	18 10 11.1 -0.1
SMCC	Simmler	76.00	319	P	P	18 10 13.8 +2.1
BW06	Boulder Aray	76.02	331	eP	P	18 10 12.5 +0.7
PD31	Pinedale Aray	76.02	331	eP	P	18 10 11.9 +0.1
PDAR	Pinedale Aray	76.02	331	eP	P	18 10 12.4 +0.6
HWUT	Hardware Ranch	76.04	329	eP	P	18 10 12.4 +0.5
A33A	Warrod	76.16	343	P	P	18 10 12.4 +0.3
BGU	Big Grassy Mou	76.23	327	P	P	18 10 13.9 +0.9
RCTC	Reactor, Farmer	76.24	320	P	P	18 10 13.8 +0.9
MDND	Maddock	76.44	339	P	P	18 10 14.6 +0.8
MDND	Maddock	76.44	339	eP	P	18 10 14.4 +0.7
MDND	Maddock	76.44	339	eP	pP	18 10 35.3 0.0
HVU	Hansel Valley	76.76	328	eP	pmax	18 10 16.9 +1.0
HVU	Hansel Valley	76.76	328	eP	P	18 10 16.9 +1.0
PSMM	Smith Mountain	76.88	319	eP	P	18 10 19.2 +2.6
MLAC	Mammoth, Mammo	76.92	322	P	P	18 10 18.4 +1.4
MDPB	Devils Postpil	77.06	321	eP	P	18 10 19.2 +1.3
REDW	Red Top Meadow	77.07	330	eP	P	18 10 19.0 +1.3
SNOW	Snow King Moun	77.11	330	eP	P	18 10 19.1 +1.1
LOHW	Long Hollow	77.16	330	eP	P	18 10 18.9 +0.8
TPAW	Teton Aray	77.22	330	eP	P	18 10 20.0 +1.4
TPAW	Teton Aray	77.22	330	eP	pP	18 10 40.2 0.0
MOOW	Moose Ponds	77.33	330	eP	P	18 10 18.0 -1.1
MOOW	Moose Ponds	77.33	330	eP	pP	18 10 39.6 -1.1
FXWY	Fox Creek	77.37	330	eP	P	18 10 20.0 +0.6
ULM	Lac du Bonnet	77.48	343	P	P	18 10 19.7 +0.2
ULM	Lac du Bonnet	77.48	343	eP	pP	18 10 40.6 -0.5
ULM	Lac du Bonnet	77.48	343	eP	P	18 10 19.5 0.0
ULM	Lac du Bonnet	77.48	343	eP	pP	18 10 40.6 -0.5
IMW	Indian Meadow	77.53	330	eP	P	18 10 21.7 +1.4
IMW	Indian Meadow	77.53	330	eP	pP	18 10 41.6 -0.3
YPP	Pitchstone Pla	77.76	331	eP	pP	18 10 21.7 0.0
RLMT	Red Lodge	77.76	332	eP	pP	18 10 22.3 +0.8
LAO	LASA Aray	77.80	335	P	P	18 10 22.4 +0.9
LAO	LASA Aray	77.80	335	eP	P	18 10 22.4 +0.9
LAO	LASA Aray	77.80	335	eP	pP	18 10 43.5 +0.4
WAKR	Walker	77.87	322	eP	P	18 10 24.1 +1.8
YFT	Old Faithful	77.92	331	eP	P	18 10 24.9 +2.5
YNR	Norris Junctio	78.06	331	eP	P	18 10 23.8 +0.6
CMB	Columbia Colle	78.09	321	eP	pmax	18 10 23.1 -0.2
CMB	Columbia Colle	78.09	321	eP	P	18 10 23.1 -0.2
YERR	Yerington	78.10	322	eP	P	18 10 25.0 +1.5
YMR	Madison River	78.14	331	eP	P	18 10 25.5 +1.9
YMR	Madison River	78.14	331	eP	pP	18 10 46.4 +1.1
YHH	Holmes Hill	78.19	331	eP	P	18 10 25.9 +1.9
YHH	Holmes Hill	78.19	331	eP	pP	18 10 46.4 +1.1
YHB	Horse Butte	78.31	331	eP	pP	18 10 26.2 +1.6
PNTR	Pine Nut	78.37	322	eP	P	18 10 26.8 +1.8
SCHO	Schefferville	78.40	1	P	P	18 10 25.1 +0.6
TOAO	Torodi Ar. Sit	78.42	70	eP	P	18 10 25.5 -0.1

TOAO	Torodi Ar. Sit	78.42	70	eP	pP	18 10 47.3 +0.2
TOAO	Torodi Ar. Sit	78.42	70	eS	sP	18 10 56.4 +0.3
TOA1	Torodi Ar. Sit	78.42	70	eP	sP	18 10 25.8 +0.2
TOA1	Torodi Ar. Sit	78.42	70	eS	sP	18 10 47.1 0.0
TOA1	Torodi Ar. Sit	78.42	70	eP	sP	18 20 09.4 -5.9
TORD	Torodi Ar. Bea	78.42	70	eP	P	18 10 25.8 +0.2
TORD	Torodi Ar. Bea	78.42	70	eP	pP	18 10 47.1 0.0
TORD	Torodi Ar. Bea	78.42	70	eP	sP	18 20 09.4 -5.9
TORD	Torodi Ar. Bea	78.42	70	eP	LR	18 45 06.1
GCMT	Greycliff	78.47	332	eP	pP	18 10 26.4 +1.0
GCMT	Greycliff	78.47	332	eP	pP	18 10 46.4 -0.5
GCMT	Greycliff	78.47	332	eP	sP	18 10 56.8 +1.0
QLMT	Earthquake Lak	78.48	331	eP	pP	18 10 26.0 +0.5
QLMT	Earthquake Lak	78.48	331	eP	pP	18 10 48.4 +1.3
DGMT	Dagmar	78.53	337	P	P	18 10 26.7 +1.2
DGMT	Dagmar	78.53	337	eP	P	18 10 26.7 +1.2
DGMT	Dagmar	78.53	337	eP	pP	18 10 47.7 +0.6
PAHR	Pah Rah Range	78.68	323	eP	pP	18 10 27.6 +1.0
PAHR	Pah Rah Range	78.68	323	eP	pP	18 10 49.5 +1.3
PAHR	Pah Rah Range	78.68	323	eP	sP	18 10 58.6 +1.5
HLID	Hailey	78.89	328	P	P	18 10 29.5 +1.8
HLID	Hailey	78.89	328	eP	P	18 10 29.5 +1.8
HLID	Hailey	78.89	328	eP	pP	18 10 51.1 +1.7
AFDM	Forest Hills D	79.05	321	eP	pP	18 10 29.7 +1.2
MCMT	McKenzie Canyo	79.12	330	eP	P	18 10 30.5 +1.4
MCMT	McKenzie Canyo	79.12	330	eP	pP	18 10 52.2 +1.5
BOZ	Bozeman (W)	79.16	331	P	P	18 10 30.2 +1.0
BOZ	Bozeman (W)	79.16	331	eP	pP	18 10 29.7 +0.6
BOZ	Bozeman (W)	79.16	331	eP	pmax	18 10 51.4 +0.6
BOZ	Bozeman (W)	79.16	331	eP	P	18 10 29.7 +0.6
BOZ	Bozeman (W)	79.16	331	eP	pP	18 10 51.4 +0.6
BEKR	Beckworth	79.33	322	eP	P	18 10 31.8 +1.6
BEKR	Beckworth	79.33	322	eP	pP	18 10 52.8 +0.9
BEKR	Beckworth	79.33	322	eP	sP	18 11 02.7 +1.4
DLMT	Dillon	79.41	330	eP	pP	18 10 31.4 +0.9
DLMT	Dillon	79.41	330	eP	pP	18 10 52.8 +0.6
DLMT	Dillon	79.41	330	eP	sP	18 11 02.7 +1.5
DLMT	Dillon	79.41	330	eP	pP	18 10 32.1 +1.3
MFID	Forest Hills D	79.64	106	eP	pP	18 10 54.1 +1.6
TSUM	Tsumeb	79.64	106	eP	pP	18 10 34.0 +1.6
TSUM	Tsumeb	79.64	106	eP	P	18 10 55.0 +1.0
TSUM	Tsumeb	79.64	106	eP	pP	18 10 33.1 +0.7
TSUM	Tsumeb	79.64	106	eP	pP	18 10 55.1 +1.0
LRM	Limekil Ridge	79.70	331	eP	P	18 10 33.5 +1.3
ORV	Oroville	79.76	322	eP	P	18 10 33.7 +1.4
ORV	Oroville	79.76	322	eP	pmax	18 10 55.8 +1.8
ORV	Oroville	79.76	322	eP	P	18 10 33.7 +1.4
ORV	Oroville	79.76	322	eP	pP	18 10 55.8 +1.8
ORV	Oroville	79.76	322	eP	sP	18 11 03.0 +0.1
ORV	Oroville	79.76	322	eP	pP	18 10 35.2 +1.0
ORV	Oroville	79.76	322	eP	pP	18 10 35.5 +0.7
WVOR	Wild Horse Val	80.19	325	eP	pmax	18 10 35.5 +0.7
WVOR	Wild Horse Val	80.19	325	eP	P	18 10 35.5 +0.7
EGMT	Eagleton	80.28	334	eP	P	18 10 35.7 +0.6
EGMT	Eagleton	80.28	334	eP	P	18 10 35.7 +0.6
O03D	Paynes Creek	80.43	322	P	P	18 10 36.4 +0.3
MOD	Modoc Plateau	80.70	324	eP	P	18 10 39.1 +1.5
J08A	Circle Bar Ran	80.76	326	eP	P	18 10 38.8 +1.1
CHMT	Chamberlain Mi	80.90	331	eP	P	18 10 39.5 +1.0
WDC	Whiskeytown Da	81.04	322	eP	pmax	18 10 38.7 -0.5
WDC	Whiskeytown Da	81.04	322	eP	P	18 10 38.7 -0.5
MSO	Missoula	81.14	331	P	P	18 10 40.5 +0.8
MSO	Missoula	81.14	331	eP	P	18 10 40.5 +0.8
BMO	Blue Mountains	81.25	328	eP	P	18 10 41.4 +1.1
BMO	Blue Mountains	81.25	328	eP	pP	18 11 03.0 +0.9
BMO	Blue Mountains	81.25	328	eP	P	18 10 41.4 +1.1
BMO	Blue Mountains	81.25	328	eP	pP	18 11 03.0 +0.9
SLMT	Seeley Lake	81.25	331	eP	pP	18 10 41.4 +1.1
SLMT	Seeley Lake	81.25	331	eP	pP	18 10 41.4 +1.1
NOZD	Trinity Center	81.40	322	eP	pP	18 10 41.8 +0.9
M04C	Macdoel	81.46	323	P	P	18 10 42.3 +0.8
M02C	Callahan	81.76	322	eP	P	18 10 43.7 +0.7
I07A	Ize	81.80	326	eP	P	18 10 44.7 +1.7
YBH	Yreka Blue Hou	81.91	323	eP	pmax	18 10 43.4 -0.4
YBH	Yreka Blue Hou	81.91	323	eP	pmax	18 10 43.4 -0.4
YBH	Yreka Blue Hou	81.91	323	eP	P	18 10 43.4 -0.4
YBM	Yellow Bay	81.95	331	eP	P	18 10 45.4 +1.4
JTMT	Jette	81.98	331	eP	P	18 10 45.2 +1.1
JTMT	Jette	81.98	331	eP	pP	18 10 06.9 +1.0
MAW	Mawson	82.15	163	P	P	18 11 07.1 +0.6
MAW	Mawson	82.15	163	eP	pP	18 11 07.1 +0.6
MAW	Mawson	82.15	163	eP	LR	18 48 14.3
MAW	Mawson	82.15	163	eP	P	18 10 45.0 +0.4
MAW	Mawson	82.15	163	eP	pP	18 11 06.6 +0.2
J05D	Fort Rock, OR	82.15	324	P	P	18 10 46.4 +1.2
BLMT	Blacktail Moun	82.22	331	eP	P	18 10 46.2 +0.7
BLMT	Blacktail Moun	82.22	331	eP	pP	18 10 47.2 +1.2
BSMT	Bassoo Peak	82.29	331	eP	pP	18 11 08.7 +1.1
BSMT	Bassoo Peak	82.29	331	eP	pP	18 10 48.4 +0.4
BOSA	Boshof	82.59	118	P	P	18 11 10.1 +0.4
BOSA	Boshof	82.59	118	eP	LR	





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like THR3, THR6, THR9, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MKAR, ISK 01, ISCBJ 01, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like OTER2, OTER1, OTER0, etc.



1d 20h

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VANB, TVAN, CLDR, TUTA, GURO, etc.

IDC 01 19:36:47.4:1.5, 34.00N-104.21E, h0km, mb3.3/3, mb1 3.5/4, mb1mx3.2/9, mbtpp3.3/4, ML3.1, 1, Error ellipse: s-maj=84.3km s-min=27.5km az=59.0, Gansu

ISK 01 19:40:34.8, 38.63N-43.06E, h10km, MD2.8 CSEM 01 19:40:35.7:0.2, 38.66N-43.09E, h10km, MD2.8, Error ellipse: s-maj=5.0km s-min=4.3km az=167.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VANB, TVAN, CLDR, TUTA, GURO, etc.

AZER 01 19:44:00.8:0.8, 38.39N-43.01E, h34km, 24km, Error ellipse: s-maj=17.6km s-min=4.5km az=65.0

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

2011 NOV

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VRBT, CUKT, SENK, etc.

MAN 01 19:49:13.7, 68N:127.34E, h24km, mb4.4, ML3.3, MS3.1, ID, Philippine Islands region

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

CSEM 01 19:51:54.5:0.4, 38.52N-43.29E, h10km, MD2.5, Error ellipse: s-maj=9.9km s-min=5.2km az=148.0

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

IDC 01 20:02:23.8:6.0, 22.60N-179.97W, h6km, 71km, mb3.2/5, mb1 3.4/6, mb1mx3.0/27, mbtpp4.2/6, Error ellipse: s-maj=45.6km s-min=32.7km az=117.0, South of Fiji Islands

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

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CLDR, TUTA, TATV, etc.

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

JMA 01 20:19:41.5:0.3, 43.99N-147.93E, h0km, M4.0 SKHL 01 20:19:43.2:0.2, 44.36N-148.02E, h27km, 1km, mb4.6/3

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

CSEM 01 20:31:16.9:0.2, 38.95N-43.55E, h15km, ML2.6, Error ellipse: s-maj=5.1km s-min=3.6km az=131.0

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TVAN, ADCV, AGRB, TASB, GURO.

ISK 01 20:39:48.0, 38:67N:43:21E, h8km, MD2.6
ISCJB 01 20:39:49.2, 0.6, 38:70N:0:03:43:31E, 0.06, h11km, 6km, Error ellipse: s-maj=7.4km s-min=5.0km az=6.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VANB, TVAN, GEVA, VMUR, ADCV, CLDR, TATV, TUTA, AGRB, GURO.

ISK 01 20:45:41.7, 38:67N:43:23E, h13km, MD2.6
CSEM 01 20:45:42.4, 0.2, 38:63N:43:27E, h20km, MD2.6, Error ellipse: s-maj=6.3km s-min=5.1km az=139.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VANB, TVAN, GEVA, VMUR, ADCV, CLDR, TATV, TUTA, AGRB, GURO, EKAR, CUKT.

CSEM 01 20:50:13.9, 0.2, 38:67N:43:19E, h10km, MD2.5, Error ellipse: s-maj=4.8km s-min=4.4km az=155.0
ISK 01 20:50:13.2, 38:68N:43:18E, h10km, MD2.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VANB, TVAN, ERV, CLDR, VMUR, ADCV, GEVA, EKAR, CUKT.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CLDR, TATA, TUTA, AGRB, GURO.

ISK 01 20:59:13.1, 38:62N:43:00E, h5km, MD2.8
ISCJB 01 20:59:14.2, 0.4, 38:64N:0:03:43:01E, 0.03, h7km, 5km, Error ellipse: s-maj=6.6km s-min=5.7km az=152.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ADCV, TVAN, GEVA, VMUR, ERV, TATV, TUTA, GURO, EKAR, SRTM.

DDA 01 21:06:10.6, 38:93N:43:58E, h2km, MD2.7
ISCJB 01 21:06:11.5, 0.7, 39:00N:0:04:43:59E, 0.05, h9km, 5km, Error ellipse: s-maj=7.1km s-min=6.5km az=38.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VMUR, TATA, TUTA, AGRB, GURO, EKAR, SRTM, CUKT, GNI, NAX, BTM, ERZ, SVAN, ERV, CLDR, TATV, TATA, TUTA, AGRB, GURO, EKAR, CUKT.

ISCJB 01 21:07:54.8, 0.6, 38:91N:0:03:43:60E, 0.06, h10km, 5km, Error ellipse: s-maj=7.8km s-min=6.2km az=7.7
CSEM 01 21:07:54.4, 0.2, 38:92N:43:60E, h10km, MD2.5, Error ellipse: s-maj=6.2km s-min=4.5km az=114.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VMUR, TATA, TUTA, AGRB, GURO, EKAR, SRTM, CUKT, GNI, NAX, BTM, ERZ, SVAN, ERV, CLDR, TATV, TATA, TUTA, AGRB, GURO, EKAR, CUKT.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AGRB, TASB, GURO, CUKT.

ISN 01 21:10:35.9, 1.1, 39:46N:43:92E, h0km, 60km, ML4.3
NSSC 01 21:10:37.9, 2.3, 38:47N:45:44E, h36km, 999km, MD2.5, ML3.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VMUR, ERV, CLDR, TATV, TATA, TUTA, AGRB, GURO, EKAR, SRTM, CUKT, GNI, NAX, BTM, ERZ, SVAN, ERV, CLDR, TATV, TATA, TUTA, AGRB, GURO, EKAR, SRTM, CUKT.

ISC 01 21:10:45.8, 0.1, 38:87N:43:70E, h2km, mb4.2/9, Error ellipse: s-maj=3.1km s-min=2.1km az=157.0
MOS 01 21:10:45.8, 1.8, 38:69N:43:80E, h7km, mb4.5/19, Error ellipse: s-maj=6.3km s-min=4.8km az=83.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VMUR, ERV, CLDR, TATV, TATA, TUTA, AGRB, GURO, EKAR, SRTM, CUKT, GNI, NAX, BTM, ERZ, SVAN, ERV, CLDR, TATV, TATA, TUTA, AGRB, GURO, EKAR, SRTM, CUKT.

ISC 01 21:10:47.5, 0.3, 38:90N:0:02:43:61E, 0.02, h10km, n351, e230/435, mb4.2/35, MS3.3/18, 45C-54D, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VMUR, ERV, CLDR, TATV, TATA, TUTA, AGRB, GURO, EKAR, SRTM, CUKT, GNI, NAX, BTM, ERZ, SVAN, ERV, CLDR, TATV, TATA, TUTA, AGRB, GURO, EKAR, SRTM, CUKT.



1d 21h

Table with columns for station name, frequency, power, and other technical details. Includes stations like AKH Alkhalkalaki, QZAK Qazax, Azerbaiz, and many others.

2011 NOV

Table with columns for station name, frequency, power, and other technical details. Includes stations like QSAR Qobustan, GBS QUBA, and many others.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like AKTO Aktuyubinsk, RAYN Ar Rayn, and many others.











V39A	Pettigrew	21.14	37	P	P	22 34 24.3 +0.8	comp=Z,1um,19.6s,baz=170,slow=36	T41A	Mountain View	23.06	38	P	P	22 34 43.4 -0.5	baz=213	Q43A	New Douglas	25.55	37	P	P	22 35 08.2 +1.1
YERR	Yerington	21.14	338	eP	P	22 34 24.3 +0.7	baz=226,SNR=12	Z47A	Carrollton	23.16	50	P	P	22 34 45.3 +0.4	baz=227	L02D	Cave Junction,	25.55	335	P	P	22 35 07.7 +0.6
U38A	Gravette	21.17	35	P	P	22 34 21.7 -2.0	baz=222,SNR=15	O03D	Paynes Creek	23.25	335	P	P	22 34 45.6 -0.2	baz=214	M38A	Pleasantville	25.61	29	P	P	22 35 07.7 +0.1
S35A	Otter Creek Ra	21.17	29	P	P	22 34 22.9 -0.8	baz=216	R39A	Chumby, Stover	23.28	34	P	P	22 34 45.7 -0.4	baz=217	P42A	Winchester	25.64	35	P	P	22 35 08.3 +0.4
144A	Alexander Plac	21.18	49	P	P	22 34 22.1 -1.7	baz=222,SNR=8.6	N33A	I Bar K, Exete	23.29	23	P	P	22 34 45.9 -0.2	baz=153	J05D	Fort Rock, OR	25.65	339	P	P	22 35 08.4 +0.2
UALR	University of	21.19	41	eP	P	22 34 25.4 +1.5	baz=209	U43A	Rector	23.42	41	P	P	22 34 47.2 -0.3	baz=209	SWET	Sewanee	25.71	48	eP	P	22 35 10.1 +1.4
245A	Little AP, Sta	21.24	51	P	P	22 34 24.7 +0.1	baz=220	S41A	Jill Farms,	23.45	37	P	P	22 34 46.5 -1.3	baz=208	O41A	Passley Farm,	25.74	34	P	P	22 35 09.7 +0.9
346A	Big Creek Wild	21.24	53	P	P	22 34 24.3 -0.2	baz=225,SNR=8.2	W45A	Hickory Valley	23.45	45	P	P	22 34 47.7 -0.1	baz=223	DLMT	Dillon	25.80	354	eP	P	22 35 10.0 +0.6
R34A	Isabella, Hill	21.27	27	P	P	22 34 24.7 -0.2	baz=234	Q38A	Cooks Store, C	23.48	32	P	P	22 34 47.4 -0.6	baz=211,4s	TIGA	Tifton	25.83	58	P	P	22 35 12.3 +2.6
HHAR	Hobbs	21.30	36	eP	P	22 34 25.8 +0.7	baz=209	P37A	Lathrop	23.62	30	P	P	22 34 49.8 +0.4	baz=209	K35A	Storm Lake	25.84	24	P	P	22 35 10.3 +0.6
N23A	Red Feather La	21.35	7	P	P	22 34 25.8 -0.2	baz=217	BGNE	Belgrade	23.63	21	eP	P	22 34 49.0 -0.6	baz=211	I07A	Izee	25.85	343	eP	P	22 35 10.6 +0.7
N23A	Red Feather La	21.35	7	eP	P	22 34 26.7 +0.7	baz=188,SNR=13	R40A	Maddies Statio	23.67	35	P	P	22 34 49.7 -0.2	baz=155	J04D	Umpqua Nationa	25.91	338	P	P	22 35 11.2 +0.6
PNTR	Pine Nut	21.37	337	eP	P	22 34 26.9 +0.9	baz=179nm,1.7s	PBMO	Poplar Bluff	23.67	40	eP	P	22 34 49.4 -0.5	baz=151	Q44A	Meyer Farm, Va	25.92	38	P	P	22 35 11.0 +0.6
T37A	Cheneyville 18	21.41	33	P	P	22 34 26.3 0.0	baz=211,1.6s	Y47A	UCPARC, Winfie	23.68	49	P	P	22 34 50.3 +0.3	baz=215	L37A	Phoenix Point,	25.93	27	P	P	22 35 10.7 +0.1
X301	Greenbrier Sit	21.46	40	eP	P	22 34 27.4 +0.6	baz=238	REDW	Red Top Meadow	23.68	357	eP	P	22 34 50.4 +0.1	baz=213	N40A	Mertquake, Sal	25.95	32	P	P	22 35 10.8 +0.1
BGU	Big Grassy Mou	21.46	352	eP	P	22 34 27.3 +0.4	baz=242nm,2.0s	N34A	Linlin	23.73	24	P	P	22 34 48.6 -1.9	baz=175	BOZ	Bozeman (W)	25.95	356	P	P	22 35 10.5 -0.4
TCUT	Toone Canyon	21.48	355	eP	P	22 34 27.0 -0.3	baz=211	SNOW	Snow King Moun	23.78	357	eP	P	22 34 50.9 -0.2	baz=175	BOZ	Bozeman (W)	25.95	356	eP	P	22 35 09.8 -1.1
X42A	Stuttgart	21.50	43	P	P	22 34 27.6 +0.4	baz=150nm,1.7s	O36A	Bolkow	23.78	28	P	P	22 34 49.7 -1.2	baz=188,1.8s	BMO	Blue Mountains	26.03	347	eP	P	22 35 11.6 +0.1
W41B	Gary Mavity, V	21.51	41	P	P	22 34 27.1 -0.2	baz=215	HALT	Halls	23.80	43	eP	P	22 34 52.7 +1.5	baz=12m,1.5s	GCMT	Greycliff	26.07	359	eP	P	22 35 11.1 -0.8
Z44A	Pea Ridge, Bel	21.53	47	P	P	22 34 28.5 +0.8	baz=466nm,1.5s	TPAW	Teton Pass	23.82	357	eP	P	22 34 51.2 -0.3	baz=206	K36A	Gilmore City	26.07	25	P	P	22 35 11.4 -0.4
S36A	Lake Cedric, C	21.55	30	P	P	22 34 28.5 +0.7	baz=183,1.8s	Q39A	Willow Grove F	23.86	32	P	P	22 34 50.8 -0.9	baz=220,SNR=8.1	USIN	University of	26.12	41	eP	P	22 35 11.9 -0.4
WHAR	Woolly Hollow	21.56	40	eP	P	22 34 28.6 +0.7	baz=220,SNR=8.1	LOHW	Long Hollow	23.92	357	eP	P	22 34 52.4 0.0	baz=208	P43A	Skaggs, Pawnee	26.13	36	P	P	22 35 13.0 +0.6
Y43A	Makayla and Ka	21.56	45	P	P	22 34 27.4 -0.5	baz=166nm,1.3s	V45A	Humboldt	23.95	44	P	P	22 34 52.8 +0.2	baz=226	N41A	Harden Midland	26.19	33	P	P	22 35 12.8 -0.1
V40A	Witts Springs	21.59	38	P	P	22 34 28.3 0.0	baz=233	U44A	Portageville	23.95	41	P	P	22 34 52.6 +0.1	baz=222	ECSDD	EROS Data Cent	26.22	21	P	P	22 35 14.1 +0.9
U39A	Green Forest	21.62	36	P	P	22 34 28.9 +0.2	baz=231	FXWY	Fox Creek	23.97	357	eP	P	22 34 51.5 -1.4	baz=208	O42A	Bath	26.22	35	P	P	22 35 14.1 +0.9
T38A	Diamond	21.66	34	P	P	22 34 27.3 -1.7	baz=224,SNR=7.9	FXWY	Fox Creek	23.97	357	eP	P	22 34 51.5 -1.4	baz=224	LRM	Limekiln Ridge	26.24	355	eP	P	22 35 15.2 +1.6
TGUH	Tegucigalpa,Un	21.68	101	eP	P	22 34 32.0 +2.7	baz=221,SNR=9.7	KMRM	Mail Ridge	24.00	332	eP	PcP	22 34 52.6 -0.5	baz=151	I04A	Tendick Farm,	26.24	338	eP	P	22 35 16.4 +0.6
R35A	Emporia Munic	21.75	28	P	P	22 34 30.1 +0.2	baz=181nm,1.4s	PARMO	Parma	24.01	41	eP	P	22 34 52.8 -0.4	baz=214	K37A	Belmond	26.51	26	P	P	22 35 16.5 +0.8
SPUT	South Promonto	21.77	353	eP	P	22 34 31.1 +0.8	baz=213nm,1.4s	GLAT	Glass	24.06	42	eP	P	22 34 55.7 +2.1	baz=154	I05D	Terrebonne, OR	26.63	340	P	P	22 35 16.7 -0.2
AFDM	Forest Hills D	21.77	335	eP	P	22 34 30.7 +0.5	baz=82nm,0.5s	MOOW	Moore Ponds	24.06	357	eP	P	22 34 54.7 +0.9	baz=214	H32A	Carlson Farm,	26.64	19	P	P	22 35 17.4 +0.4
PHWY	Pilot Hill	21.81	8	eP	P	22 34 31.2 +0.3	baz=95nm,2.0s	CCM	Cathedral Cave	24.07	37	eP	P	22 34 53.0 -0.6	baz=212	J36A	Seneca 1, Swea	26.70	25	P	P	22 35 17.5 +0.1
BMN	Battle Mountai	21.83	343	eP	P	22 34 31.7 +0.7	baz=76nm,1.7s	WVOR	Wild Horse Val	24.08	343	eP	P	22 34 54.0 +0.1	baz=223	N42A	Yates City	26.70	34	P	P	22 35 17.6 +0.1
PAHR	Pah Rah Range	21.84	338	eP	P	22 34 32.9 +1.9	baz=75nm,1.6s	PLAL	Pickwick Lake	24.10	46	eP	P	22 34 54.3 +0.3	baz=218	L39A	Vinton	26.71	29	P	P	22 35 18.0 +0.4
Q34A	Chapman	21.93	26	P	P	22 34 32.7 +0.9	baz=211,1.6s	PLAL	Modoc Plateau	24.11	339	eP	PcP	22 38 31.0 -4.0	baz=216	K38A	Parkersburg	26.78	28	P	P	22 35 19.3 +1.1
347A	Saraland	21.95	54	P	P	22 34 33.1 +1.0	baz=94nm,1.3s	MOD	Modoc Plateau	24.11	339	eP	P	22 34 54.5 +0.7	baz=208	CPCT	Cooper Cave	26.82	49	eP	P	22 35 20.9 +2.2
S37A	Fort Scott	21.95	32	P	P	22 34 32.9 +0.9	baz=212	S42A	Caledonia	24.12	38	P	P	22 34 54.5 +0.4	baz=188,1.8s	M41A	Milan	26.84	32	P	P	22 35 19.5 +0.8
X43A	Marvell	21.96	44	P	P	22 34 33.0 +0.8	baz=227	R41A	Rosebud	24.16	36	P	P	22 34 54.0 -0.5	baz=222	H33A	Prehn Over Nor	27.02	20	P	P	22 35 20.6 +0.2
U40A	Yellville	21.96	37	P	P	22 34 33.0 +0.8	baz=225	IMW	Indian Meadow	24.22	357	eP	P	22 34 54.8 -0.6	baz=186	LAO	LASA Array	27.07	4	P	P	22 35 20.8 -0.1
V41A	Mountainview	21.97	39	P	P	22 34 33.7 +1.3	baz=35nm,1.4s	HLID	Hailey	24.24	351	eP	P	22 34 55.4 0.0	baz=174nm,1.5s	LAO	LASA Array	27.07	4	eP	P	22 35 20.2 -0.7
HWUT	Hardware Ranch	21.98	355	eP	P	22 34 33.0 +0.4	baz=158,SNR=16	HLID	Hailey	24.24	351	eP	P	22 34 55.9 +0.4	baz=205	HRY	Holter Researc	27.08	356	eP	P	22 35 20.9 -0.1
W42A	Bald Knob	22.02	41	P	P	22 34 34.1 +1.2	baz=148nm,1.9s	M34A	Aspy Farms, Fr	24.27	23	P	P	22 34 55.4 -0.1	baz=48nm,1.8s	G06A	Carlson Farm,	27.23	342	eP	P	22 35 23.2 +0.9
RWWY	Rawlins	22.04	4	eP	P	22 34 33.4 +0.2	baz=212	Q40A	Laux Farm, Aux	24.29	34	P	P	22 34 56.2 +0.5	baz=208	H34A	Spellman Lake,	27.32	21	P	P	22 35 23.3 +0.3
R36A	Gordon, Harris	22.07	30	P	P	22 34 32.7 -0.7	baz=220,SNR=9.0	P39B	Salisbury	24.31	32	P	P	22 34 55.2 -0.7	baz=170	MSO	Missoula	27.39	353	eP	P	22 35 24.1 +0.4
Y44A	Strider, Charl	22.07	46	P	P	22 34 33.4 0.0	baz=230	T44A	Benn	24.38	40	P	P	22 34 56.2 -0.3	baz=53nm,1.6s	MSO	Missoula	27.39	353	eP	P	22 35 24.1 +0.4
OGNE	Ogallala	22.09	15	P	P	22 34 33.3 -0.3	baz=230	S43A	Fulton Ridge,	24.41	39	P	P	22 34 55.8 -1.0	baz=214	MSO	Chamberlain Mo	27.40	354	eP	PcP	22 38 41.7 -0.6
OGNE	Ogallala	22.09	15	eP	P	22 34 33.2 -0.3	baz=228,SNR=9.0	R42A	Luebbering	24.48	37	P	P	22 34 57.7 +0.4	baz=155	G05D	Wamic, OR	27.43	341	P	P	22 35 24.0 0.0
Z45A	Winona	22.10	48	P	P	22 34 33.7 0.0	baz=225	FVM	French Village	24.48	38	eP	P	22 34 57.1 -0.4	baz=216	J38A	Wesdel Dairy, R	27.45	27	P	P	22 35 23.8 -0.4
T39A	Cleaver	22.14	35	P	P	22 34 34.7 +0.5	baz=55nm,1.4s	K31A	O'Neill	24.54	19	P	P	22 34 58.3 +0.3	baz=204	TKL	Tuckaleechee C	27.46	49	LR	LR	22 46 58.7
146A	Union	22.16	50	P	P	22 34 35.4 +0.9	baz=212	M35A	Neola	24.59	25	P	P	22 34 58.9 +0.6	baz=207nm,18.1s,slow=38	G33A	Ortonville	27.58	20	P	P	22 35 24.4 -0.9
247A	Quilman	22.20	52	P	P	22 34 35.9 +1.1	baz=212	YPP	Pitchstone Pla	24.59	357	eP	P	22 34 60.0 +1.3	baz=214	I37A	Lemond, Waseca	27.64	25	P	P	22 35 25.0 -0.9
KSU1	Kansas State U	22.22	27	eP	P	22 34 34.6 -0.4	baz=30nm,1.3s	L33A	Hooks	24.61	22											

B08A	Rib Lake	29.99	27	P	P	22 36 48.7	-3.8
G40A	Trail	30.08	18	P	P	22 35 47.3	-0.2
C33A	Shiocton	30.16	30	P	P	22 35 47.9	-0.4
H42A	Greenbush Farm	30.18	15	P	P	22 35 48.3	-0.1
B31A	Bryant	30.40	343	P	P	22 35 50.0	-0.3
B05A	Agassiz Nation	30.54	18	eP	P	22 35 51.0	-0.6
AGMN	Park Falls	30.54	27	P	P	22 35 51.6	-0.1
F40A	Mellen	30.73	26	P	P	22 35 51.9	-1.5
W30A	Three Lakes	30.84	28	P	P	22 35 54.0	-0.3
F41A	Rocking H Ranc	30.93	16	P	P	22 35 55.0	-0.1
A32A	Lummi Island	30.99	342	P	P	22 35 55.0	-0.3
A04D	Pine Crest Far	31.02	22	P	P	22 35 55.6	-0.3
C36A	Wakefield	31.05	26	P	P	22 35 56.8	+0.6
E40A	Aery, Baudette	31.07	19	P	P	22 35 56.2	-0.1
B34A	Embarrass	31.23	22	P	P	22 35 57.8	+0.1
C37A	Bob, Littlefor	31.25	20	P	P	22 35 58.4	+0.6
B35A	Maple Grove Fa	31.29	29	P	P	22 35 57.8	-0.5
F42A	Kenton	31.47	27	P	P	22 35 59.5	-0.3
E41A	Flat Rock, Esc	31.79	30	P	P	22 36 02.7	+0.1
F43A	Grand Marais	32.07	24	P	P	22 36 05.0	-0.1
C39A	Chassel	32.10	27	P	P	22 36 05.5	-0.3
D19A	Lac du Bonnet	32.31	16	P	P	22 36 05.2	-2.0
ULM	Lac du Bonnet	32.31	16	P	P	22 36 05.5	-1.7
ULM	Millersville	34.67	47	eP	P	22 36 28.2	+0.3
MVL	HELC Santa Helena	35.32	108	eP	P	22 36 35.4	+1.2
OTAV	OTAV Otavalo	35.75	119	eP	P	22 36 42.3	+4.3
ROSC	El Rosal	36.99	109	eP	P	22 36 53.9	+5.4
PRAC	Prado	37.00	111	eP	P	22 36 54.6	+6.4
SDV	Santo Domingo	38.76	100	eP	P	22 37 03.9	+0.6
TRQ	Mont Tremblant	38.82	39	eP	P	22 37 04.1	+0.9
MTP	Monte Pirata	41.22	85	eP	P	22 37 25.4	+2.0
TAOE	Nuku Hiva Isla	41.63	230	eLR	LR	22 48 57.1	+0.1
TAOE	Nuku Hiva Isla	41.63	230	eT	T	22 48 57.1	+0.1
YKA	Yellowknife Ar	42.97	356	P	P	22 37 35.9	-1.2
YKA	Rapa Nui	45.50	180	LR	LR	22 52 25.2	
RPN	Schoefferville	47.49	32	P	P	22 38 12.1	-1.0
SCHO	Schoefferville	47.49	32	P	P	22 38 12.1	-1.0
SCHO	Dawson	48.83	343	eP	P	22 38 24.0	+0.7
DAWY	Dawson	48.83	343	eP	P	22 38 24.0	+0.7
RKT	Rikitea	49.41	212	eT	T	22 38 32.7	+1.5
EGAK	Eagle	49.87	343	eP	P	22 38 45.7	+1.7
MCK	McKinley	51.56	339	eP	P	22 38 43.5	-0.5
ILAR	Eielson Array	51.57	340	eP	P	22 38 49.4	+0.0
ILB	Eielson Array	51.57	340	eP	P	22 38 49.4	+0.0
WRH	Wood River Hill	51.76	340	eP	P	22 38 47.8	+2.2
CCB	Clear Creek Bu	51.78	340	eP	P	22 38 46.4	+0.1
TRF	Thorofare Moun	51.85	338	eP	P	22 38 51.7	+3.5
MDM	Murphy Dome	52.12	340	eP	P	22 38 47.9	-0.5
KTH	Kantishna Hill	52.14	338	eP	P	22 38 48.1	-0.9
PPLA	Purkeypile	52.21	337	eP	P	22 38 53.0	+2.7
PTGA	Pitinga	52.30	107	eP	P	22 38 51.4	+1.8
FYU	Fort Yukon	52.33	343	eP	P	22 38 51.8	+0.9
CAST	Castle Rocks	52.48	337	eP	P	22 38 54.8	+0.2
MLY	Manley	52.99	339	eP	P	22 38 59.4	+0.6
SAML	Samuel	53.47	118	eP	P	23 00 00.9	
LPAZ	La Paz	53.88	129	LR	LR	22 39 03.0	+0.5
LPAZ	La Paz	53.88	129	eP	P	22 39 05.0	+1.5
COLD	Coldfoot	54.22	342	eP	P	22 55 57.2	
PPT	Papeete	54.24	230	LR	LR	22 46 40.5	-0.3
PPT2	Papeete2	54.26	230	eS	S	22 54 43.3	
PPT2	Papeete2	54.26	230	eS	S	22 39 09.6	+0.6
TOLK	Toolik Lake Re	54.97	343	eP	P	22 39 09.9	+0.8
TOLK	Toolik Lake Re	54.97	343	eP	P	22 56 25.7	
TBI	Tubuai	58.05	224	eLR	LR	22 39 38.8	-0.1
SIV	San Ignacio	59.08	123	P	P	22 40 20.7	-1.7
SUMG	Summit	65.64	18	P	P	22 40 38.4	+1.0
CPUP	Villa Florida	67.97	130	P	P	23 08 48.1	
CPUP	Villa Florida	67.97	130	P	P	22 40 49.0	+1.1
BDFB	Brasilia	69.61	116	P	P	22 04 56.7	
PLCA	Paso Flores	69.96	150	LR	LR	22 04 53.8	-2.4
DAG	Danmarks Havn	71.14	14	iP	P	22 33 13.7	
PETK	Petropavlovsk-	76.37	322	LR	LR	22 42 13.8	-1.5
TIXI	Tiksi	80.85	344	eP	P	22 30 30.2	
ARCES	ARCES Array B	85.42	15	P	P	22 30 35.3	
ARCES	ARCES Array B	85.42	15	P	P	22 40 20.7	-1.7
NOA	NORSA Array B	86.56	25	LR	LR	22 42 38.1	-1.2
NRIK	Noril'sk	86.45	354	P	P	23 24 39.4	
NRIK	Noril'sk	86.45	354	P	P	23 24 14.6	
FNER	FINES Array B	91.63	20	LR	LR	23 15 54.8	
HNR	Honiarua	93.94	261	LR	LR	23 24 08.3	
GERES	GERESS Array B	94.99	34	LR	LR	23 18 55.6	
MJAR	Matsushiro Arr	95.38	312	LR	LR	23 28 15.7	
KEST	Kesra	99.89	47	LR	LR	23 28 05.7	
OBN	Obninsk	100.02	19	LR	LR		

HHC	Hu-ho-hao-te	108.90	328	Pdf	Pdf	22 44 05.6	+2.3
HHC	Hu-ho-hao-te	108.90	328	SS	SS	22 44 42.2	+8.0
HHC	Hu-ho-hao-te	108.90	328	AMB	AMB	23 03 51.3	+0.6
HHC	comp=Z,62nm,7.4s			LR	LR		
HHC	comp=N,230nm,16.0s			LR	LR		
HHC	comp=E,260nm,16.0s			LR	LR		
HHC	comp=Z,190nm,14.8s			LR	LR		
WMQ	Urumqi	114.97	347	ePKP	PKPdf	22 48 20.2	+0.9
WMQ	Urumqi	114.97	347	LR	LR		
WMQ	comp=N,120nm,28.5s			LR	LR		
LZH	Lanzhou	116.36	330	ePKP	PKPdf	22 48 18.1	-4.3
LZH	Lanzhou	116.36	330	LR	LR	22 48 29.9	
LZH	comp=N,130nm,15.1s			LR	LR		
LZH	comp=E,150nm,16.8s			LR	LR		
LZH	comp=Z,190nm,18.2s			LR	LR		
WRA	Warramunga Arr	120.58	258	PKP	PKPdf	22 48 30.1	-0.5
CD2	Chengdu	120.60	327	PKP	PKPdf	22 48 28.3	-2.2
CD2	Chengdu	120.60	327	PKP	PKPdf	22 48 29.3	-2.2
KSH	Kashi	120.95	355	ePKP	PKPdf	22 48 32.7	+1.7
KSH	Kashi	120.95	355	PKP	PKPdf	22 50 04.6	+5.9
KSH	Kashi	120.95	355	PKS	PKSdf	22 52 07.7	-0.1
KSH	Kashi	120.95	355	SKS	SKSdf	22 55 42.9	+1.2
KSH	Kashi	120.95	355	SKKS	SKKSdf	22 58 57.1	+1.1
KSH	Kashi	120.95	355	SS	SS	23 06 36.3	+8.2
KSH	comp=Z,190nm,5.1s			LR	LR		
KSH	comp=N,100nm,5.3s			LR	LR		
KSH	comp=E,99nm,6.6s			LR	LR		
KSH	comp=Z,190nm,6.5s			LR	LR		
ASAR	Alice Springs	121.65	254	PKP	PKPdf	22 48 31.9	-0.7
ASAR	Alice Springs	121.65	254	PKP	PKPdf	22 48 31.9	-0.7
GYA	Guyuan	122.47	322	ePdf	Pdf	22 45 04.0	+0.1
GYA	Guyuan	122.47	322	PKP	PKIKP	22 48 35.5	+1.0
GYA	Guyuan	122.47	322	PKP	PKIKP	22 50 14.2	+4.4
GYA	comp=Z,120nm,8.0s			AMB	AMB		
KMI	Kunming	125.74	324	PKP	PKPdf	22 48 41.4	+0.7
PSI	Prapat	144.51	306	ePKPdf	PKPdf	22 49 15.5	-0.2

**JMA 01 22:33:03.6:0.2,37.52N×144.07E,h48km,M3.8,Off east coast of Honshu**

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
JIO	Ouri	2.34	294	Op	ISC	h m s	ISC
JIO	Ouri	2.34	294	P	Pn	22 33 41.1	+1.5
JIO	Ouri	2.34	294	S	Sn	22 34 09.1	+1.9
OFUJ	Ofunato	2.45	310	Op	ISC	h m s	ISC
OFUJ	Ofunato	2.45	310	P	Pn	22 33 42.1	+1.0
OFUJ	Ofunato	2.45	310	S	Sn	22 34 11.1	+1.3
JFK	Kawauchi	2.55	268	P	Pn	22 33 43.9	+1.4
JFK	Kawauchi	2.55	268	S	Sn	22 34 13.6	+1.3
JMK	Ichinoseki	2.66	303	P	Pn	22 33 45.4	+1.4
JMK	Ichinoseki	2.66	303	S	Sn	22 34 17.5	+2.5
JOM	Ohasama	2.92	313	S	Sn	22 34 19.3	+1.7
JOM	Ohasama	2.92	313	eS	Sn	22 34 23.0	+1.5
JFT	Otama	2.97	271	P	Pn	22 33 50.1	+1.9
JFT	Otama	2.97	271	S	Sn	22 34 25.0	+2.4
JYK	Kaneyama	3.24	297	P	Pn	22 33 54.0	+2.1
JYK	Kaneyama	3.24	297	eS	Sn	22 34 32.2	+3.0
JANG	Nyango	3.48	326	P	Pn	22 33 57.1	+1.9
JANG	Nyango	3.48	326	eS	Sn	22 34 35.1	0.0
JRY	Ryogami san	4.41	252	P	Pn	22 34 09.2	+1.2
JRY	Ryogami san	4.41	252	S	Sn	22 34 57.5	-0.7
JOT	Ohata	4.51	330	P	Pn	22 34 11.7	+2.4
JOT	Ohata	4.51	330	eS	Sn	22 35 00.0	-0.5
MAT	Matsushiro	4.79	260	P	Pn	22 34 16.8	+3.4
MAT	Matsushiro	4.79	260	S	Sn	22 35 11.4	+3.9
JCH	Churui	5.12	354	P	Pn	22 34 17.7	+0.1
JCH	Churui	5.12	354	eS	Sn	22 35 12.3	-3.1

**NNC 01 22:40:29.9:11.0,37.72N-71.98E,h0km,mb3.3,mpv2.9,3C-2D,Error ellipse: s-maj=93.5km s-min=39.4km az=151.0,Afghanistan-Tajikistan border region**

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
DZET	Dzherino	2.71	295	Op	ISC	h m s	ISC
DZET	Dzherino	2.71	295	P	Pn	22 41 14.1	-0.7
MNAS	Manas	4.78	5	Op	ISC	h m s	ISC
MNAS	Manas	4.78	5	P	Pn	22 41 50.0	+1.8
MNAS	Manas	4.78	5	S	Sn	22 41 43.4	+0.1
MNAS	1.1nm,0.5s			ISC	ISC	22 42 40.9	+1.3
KK31	Karatay Array	5.50	349	Op	ISC	h m s	ISC
KK31	Karatay Array	5.50	349	P	Pn	22 41 52.7	-0.3
KK31	0.3nm,0.3s,baz=323,slow=25,SNR=3.4			ISC	ISC	22 42 57.1	+0.2
KK31	0.4nm,0.3s,baz=179,slow=22,SNR=4.4			ISC	ISC		

**IDC 01 22:41:55.9:0.7,41.52S×174.24E,h0km,mb4.2/6,mb1.4/8,mb1mx4.1/27,mbtmp4/2/8,ML3.8/2,MS3.5/6,Ms1.3.5/6,ms1mx3.4/19,Error ellipse: s-maj=25.9km s-min=12.8km az=126.0**

**ISCJB 01 22:41:58.3:0.1,41.78S×173.34E,h18km,3km,mb4.8/14,MS3.5/5,Error ellipse: s-maj=5.3km s-min=2.6km az=137.9**

**BUJ 01 22:41:53.5:42.23S×173.68E,h15km,mb5.2/7,mb5.5/7,Ms5.4/4,Ms7.5/4**

**WEL 01 22:41:59.3:0.1,41.63S×174.29E,h12km,1km,ML4.9/8/0,ML4.4/9,Error ellipse: s-maj=0.5km s-min=0.5km az=90.0**

**WEL 01 22:41:59.3:0.1,41.64S×174.29E,h12km,mb4.7/6,ML4.9(WEL),After WEL.**

**NEIC Flt at Wellington and in the northern part of the South Island.**

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
CMWZ	Cape Campbell	0.11	229	Op	ISC	h m s	ISC
CMWZ	Cape Campbell	0.11	229	Pg	Pg	22 42 02.1	-0.4
CMWZ	Cape Campbell	0.11	229	Sg	Sg	22 42 05.1	+0.4
CMWZ	Cape Campbell	0.11	229	PG	PG	22 42 02.1	-0.4
CMWZ	Cape Campbell	0.11	229	SG	SG	22 42 05.1	+0.4
BSWZ	Blackbirch Sta	0.34	264	Pg	Pg	22 42 05.7	-0.2
BSWZ	Blackbirch Sta	0.34	264	Sg	Sg	22 42 10.9	+0.2
BSW							







1d 23h

Table with columns for station name, frequency, power, and other technical details. Includes stations like MMPI, MPMI, PLAI, FITZ, etc.

2011 NOV

Table with columns for station name, frequency, power, and other technical details. Includes stations like CMSA, BKNI, FRIM, IPM, etc.

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

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MAKZ Makanchi, MA2 Magadan, YAK Yakutsk, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like LOHW Long Hollow, PDAR Pinedale Array, TUC Tucson, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like SWSC Sam W. Stewart, HAV Haverhill, DVC Devel, etc.

1d 23h

2017 NOV

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Paso Flores, Las Campanas, Nana, BCIP, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YEDI Yedisu-Bingol, GDB GEDABAY, QZX Qazax, etc.

ISK 01 23:39:35.8, 38.74N, 43.17E, h5km, MD2.8
ISCJB 01 23:39:37.4, 0.4, 38.72N, 0.02, 43.16E, 0.03, h5km, 6km,
Error ellipse: s-maj=4.0km s-min=3.7km az=31.0

ISC 01 23:50:05.8, 38.87N, 43.55E, h14km, ML3.0, Error
CSEM 01 23:50:05.9, 0.3, 38.88N, 43.58E, h10km, ML3.0, Error
ellipse: s-maj=7.1km s-min=4.5km az=123.0

ISC 01 23:50:05.8, 1.0, 38.87N, 0.03, 43.60E, 0.03, h11km, 7km,
n35, c0673/50, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VMUR Van, YANB Van, TVAN Van, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YEDI Yedisu-Bingol, GDB GEDABAY, QZX Qazax, etc.

ISK 01 23:44:15.3, 38.71N, 43.18E, h5km, MD2.7
ISCJB 01 23:44:16.4, 0.4, 38.72N, 0.03, 43.18E, 0.03, h10km, 5km,
Error ellipse: s-maj=4.4km s-min=4.2km az=28.4

ISC 01 23:54:24.8, 1.9, 38.74N, 42.20E, h2km, Error ellipse:
s-maj=22.6km s-min=13.4km az=127.0

ISC 01 23:56:31.9, 0.3, 47.71N, 0.01, 17.44E, 0.02, h6km, 2km,
Error ellipse: s-maj=2.4km s-min=1.7km az=165.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VMUR Van, YANB Van, TVAN Van, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YEDI Yedisu-Bingol, GDB GEDABAY, QZX Qazax, etc.

ISK 01 23:50:04.0, 38.85N, 43.58E, h5km, ML3.0
ISCJB 01 23:50:06.0, 0.6, 38.87N, 0.03, 43.59E, 0.06, h12km, 4km,

ISC 01 23:54:33.6, 0.2, 38.77N, 43.32E, h2km, Error ellipse:
s-maj=6.0km s-min=3.6km az=155.0

ISC 01 23:56:34.1, 0.5, 47.72N, 0.01, 17.44E, 0.02, h16km, 7km,
n238, c1532/302, 27C-29D, Hungary





Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like OHWZ Ohakea, PRWZ Pori Road, POWZ Post Office Rn, etc.

ISK 02 00:04:14.5, 38.62N, 43.15E, h5km, MD2.9

ISCJB 02 00:04:16.0, 38.63N, 43.17E, h10km, 11km, Error ellipse: s-maj=5.3km s-min=4.1km az=143.9

CSEM 02 00:04:16.2, 38.63N, 43.17E, h10km, MD2.8, Error ellipse: s-maj=5.3km s-min=3.9km az=152.0

DDA 02 00:04:16.6, 38.63N, 43.20E, h7km, MD2.8

ISC 02 00:04:16.7, 38.63N, 43.18E, h15km, 7km, n20, 0.057/30, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like VANB Van, VANS Van, TVAN Van, etc.

ISK 02 00:04:14.5, 38.62N, 43.15E, h5km, MD2.9

ISCJB 02 00:04:16.0, 38.63N, 43.17E, h10km, 11km, Error ellipse: s-maj=5.3km s-min=4.1km az=143.9

CSEM 02 00:04:16.2, 38.63N, 43.18E, h10km, MD2.8, Error ellipse: s-maj=5.3km s-min=3.9km az=152.0

DDA 02 00:04:16.6, 38.63N, 43.20E, h7km, MD2.8

ISC 02 00:04:16.7, 38.63N, 43.18E, h14km, 7km, n34, 0.084/50, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like VANB Van, VANS Van, TVAN Van, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ERVU ERICIS-VAN, ERVC ERICIS-VAN, EMUR Van-Muradiye, etc.

ISK 02 00:45:33.7, 38.93N, 43.57E, h19km, MD2.6

ISCJB 02 00:45:34.7, 38.96N, 43.58E, h14km, 5km, Error ellipse: s-maj=6.5km s-min=5.4km az=8.6

CSEM 02 00:45:34.1, 38.96N, 43.58E, h15km, MD2.6, Error ellipse: s-maj=5.0km s-min=4.4km az=99.0

DDA 02 00:45:34.8, 38.97N, 43.55E, h9km, MD2.6

ISC 02 00:45:32.0, 1.1, 38.92N, 43.63E, h18km, 3km, n19, 0.042/34, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like VMUR Van-Muradiye, EMUR Van-Muradiye, ERVC ERICIS-VAN, etc.

ISCJB 02 00:47:51.5, 0.5, 36.29N, 0.05, 71.19E, 0.08, h100km, mb3.1/1, Error ellipse: s-maj=10.7km s-min=4.2km az=143.1

IDC 02 00:47:55.0, 5.9, 36.55N, 70.98E, h88km, 44km, mb3.0/1, mb1.3/3, mb1mx3.1/43, mbtm3.7/8, Error ellipse: s-maj=73.4km s-min=21.9km az=145.0

NNC 02 00:47:57.4, 4.0, 36.31N, 71.11E, h9km, mb4.3, mpv4.0, Error ellipse: s-maj=31.4km s-min=15.9km az=122.0

ISC 02 00:47:52.0, 8.36, 29N, 0.06, 71.10E, 0.06, h100km, n25, 0.189/33, 4C-7D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like DZET Dzerino, THN Thin Dam, MNAS Manas, etc.

ISCJB 02 00:57:45.9, 0.5, 38.85N, 0.03, 43.53E, 0.06, h14km, 4km, Error ellipse: s-maj=8.1km s-min=4.4km az=25.4

ISK 02 00:57:45.1, 38.82N, 43.54E, h10km, MD2.6

DDA 02 00:57:45.6, 38.85N, 43.46E, h7km, MD2.5

CSEM 02 00:57:45.6, 0.2, 38.84N, 43.54E, h12km, MD2.5, Error ellipse: s-maj=6.1km s-min=3.9km az=116.0

ISC 02 00:57:44.6, 1.1, 38.79N, 0.03, 43.63E, 0.04, h10km, 10km, n20, 0.047/32, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like VMUR Van-Muradiye, EMUR Van-Muradiye, VANB Van, etc.

ISCJB 02 00:56:26.9, 0.4, 35.17N, 0.03, 34.48E, 0.04, h36km, 32km, Error ellipse: s-maj=5.9km s-min=4.9km az=13.7

CSEM 02 00:56:27.8, 0.2, 35.19N, 34.33E, h30km, MD3.3, Error ellipse: s-maj=5.9km s-min=5.3km az=33.0

ISK 02 00:56:28.2, 35.28N, 34.27E, h28km, MD3.3

NSSC 02 00:56:29.8, 1.5, 35.08N, 34.75E, h33km, 26km, MD1.2, ML1.9

ISC 02 00:56:25.3, 1.5, 35.17N, 0.03, 34.49E, 0.03, h29km, 16km, n44, 0.192/55, Cyprus region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like PHNC Paralimni, LFK Lefkose, CSS Mathiatis, etc.

ARBN comp=E, 37nm, 0.3s

ARBN comp=N, 31nm, 0.3s

ARBN comp=N, 69nm, 0.3s

BIDA comp=E, 70nm, 0.5s

BIDA comp=N, 10nm, 0.5s

BIDA comp=N, 10nm, 0.5s

BIDA comp=N, 43nm, 0.4s

BIDA comp=N, 37nm, 0.5s

BIDA comp=N, 6.6nm, 0.7s

BIDA comp=N, 11nm, 0.5s

BIDA comp=N, 14nm, 0.7s

BIDA comp=N, 11nm, 0.6s

BIDA comp=N, 11nm, 0.5s

BIDA comp=N, 11nm, 0.5s

BIDA comp=N, 11nm, 0.5s

BIDA comp=N, 11nm, 0.5s

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BIDA comp=N, 11nm, 0.5s

BIDA comp=N, 11nm, 0.5s

BIDA comp=N, 11nm, 0.5s

BIDA comp=N, 11nm, 0.5s

BIDA comp=N, 11nm, 0.5s

BIDA comp=N, 11nm, 0.5s

BIDA comp=N, 11nm, 0.5s





Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations 79-100.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations 101-200.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations 201-300.





Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TVAN, ADCV, BITLIS\_Adilcev, etc.

CSEM 02:02:30:29.7:0.2, 38.71N:43.48E, h12km, MD2.8, Error ellipse: s-maj=6.9km s-min=4.8km az=96.0

DDA 02:02:30:29.4, 38.72N:43.56E, h7km, MD2.8, Error ellipse: s-maj=6.9km s-min=4.2km az=21.6

ISCJ 02:02:30:29.9:0.3, 38.71N:0.02:43.49E:0.03, h17km, 5km, n26, e080/40, Turkey

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

DDA 02:02:34:46.2:1.1, 11.17S:118.46E, h0km, mb3.9/4, mb1 3.9/7, mb1mx3.6/40, mbtmp3.8/7, ML3.6/3, MS2.9/1, Ms1 3.1/1, ms1mx2.5/32, Error ellipse: s-maj=52.7km s-min=18.9km az=62.0

NEIC 02:02:34:50.1:0.5, 11.39S:118.17E, h35km, mb4.1/5, Error ellipse: s-maj=13.2km s-min=7.2km az=47.0

DJA 02:02:35:07.9:0.7, 10.5:8:11E, h102km, 13km, M4.1/9, mb4.2/1, MLV4.1/9

ISC 02:02:34:46.7:0.6, 11.31S:0.05:118.26E:0.05, h33km, n36, e362/34, mb4.2/6, North Sum of Sumbawa

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KBL, MKR1, MKR2, etc.

NIED 02:02:36:00.39:1.0N, 142.50E, h50km, Mw3.8, Best double couple: M5.35000:1014.1139.00000: N23.306 P, delta 200.00000, delta 200.00000, lambda 80.00000

JMA 02:02:36:03.7:3.19N, 121.42E, h44km, 14km, M3.7, JMA Feil J1

ISC 02:02:36:02.1:2.1, 39.14N:0.04:142.48E:0.10, h27km, 13km, n26, e162/29, mb3.7/5, Near east coast of eastern Honshu

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

USRK comp=2.39mm, 19.3s, baz=325, slow=43, 0.6m, 0.3s, baz=114, slow=8.1, SNR=4.5

USRK comp=2.35mm, 19.1s, baz=68, slow=39, 0.6m, 0.3s, baz=114, slow=8.1, SNR=4.5

KLR Kul dur 12.68 33 P T 03 29 09.9 -1.5

H112 WAKE ISLAND Hy 28.59 126 T T 03 12 22.3

H111 WAKE ISLAND Hy 28.60 126 T T 03 12 22.4

H113 WAKE ISLAND Hy 28.61 126 T T 03 12 22.5

H114 WAKE ISLAND Hy 28.62 126 T T 03 12 22.6

H115 WAKE ISLAND Hy 28.63 126 T T 03 12 22.7

H116 WAKE ISLAND Hy 28.64 126 T T 03 12 22.8

H117 WAKE ISLAND Hy 28.65 126 T T 03 12 22.9

H118 WAKE ISLAND Hy 28.66 126 T T 03 12 23.0

H119 WAKE ISLAND Hy 28.67 126 T T 03 12 23.1

H120 WAKE ISLAND Hy 28.68 126 T T 03 12 23.2

H121 WAKE ISLAND Hy 28.69 126 T T 03 12 23.3

H122 WAKE ISLAND Hy 28.70 126 T T 03 12 23.4

H123 WAKE ISLAND Hy 28.71 126 T T 03 12 23.5

H124 WAKE ISLAND Hy 28.72 126 T T 03 12 23.6

H125 WAKE ISLAND Hy 28.73 126 T T 03 12 23.7

H126 WAKE ISLAND Hy 28.74 126 T T 03 12 23.8

H127 WAKE ISLAND Hy 28.75 126 T T 03 12 23.9

H128 WAKE ISLAND Hy 28.76 126 T T 03 12 24.0

ISC 02:02:51:03.9:1.0, 38.66N:0.03:43.44E:0.04, h29km, 6km, n24, e115/43, Turkey

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

ISCJ 02:03:02:25.6:0.4, 65.21N:0.03:130.99W:0.08, h10km, mb3.7/4, Error ellipse: s-maj=5.9km s-min=3.8km az=45.0

DDA 02:03:02:26.5:0.8, 65.17N:131.10W, h0km, mb3.7/4, mb1 3.9/6, mb1mx3.5/40, mbtmp3.7/6, ML3.6/2, Error ellipse: s-maj=24.9km s-min=8.4km az=10.0

PGC 02:03:02:27.9:0.0, 65.32N:130.92W, h1km, ML3.7/5, 194km west of Norman Wells, Nt NW Territories - Nunavut, Canada

ISC 02:03:08:26.9:0.7, 65.24N:0.04:130.96W:0.05, h10km, n24, e229/42, mb3.7/4, Northwest Territories

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

ILAR 0.2mm, 0.3s, baz=82, slow=12, SNR=20

ILAR 0.5mm, 0.3s, baz=82, slow=28, SNR=5.6

KUKN Kugukluk, NWT 6.84 61 Sn Sn 03 11 06.8 -0.2

DLBC Dease Lake 6.84 176 Pn Sn 03 10 09.1 +1.9

BESB Bessie Mountain 6.93 197 Pn Sn 03 10 10.3 +1.9

FKNS Fort Nelson 7.38 146 Pn Sn 03 10 16.1 +1.5

YKWS Yellowknife Ar 7.69 103 Pn Sn 03 11 11.9 +0.9

YKWA Yellowknife Ar 7.72 103 Pn Sn 03 11 12.1 -0.6

YKA 1.5mm, 0.3s, baz=298, slow=12, SNR=47

YKWI Yellowknife Ar 7.76 103 Pn Sn 03 10 20.8 +1.1

COLD Coldfoot 8.02 293 Pn Sn 03 11 18.5 -5.3

TXAR Lajitas Array 39.75 141 Pn Sn 03 16 01.9 +2.4

FINES ARCESS Array B 44.50 12 P P 03 16 40.0 +2.3

ARCES ARCESS Array B 52.48 14 P P 03 17 41.8 +2.6

BRTR Keskin Array B 74.68 12 P P 03 20 07.5 +1.1

YKA 0.2mm, 0.3s, baz=89, slow=16, SNR=3.6

YKA 0.4mm, 0.3s, baz=296, slow=28, SNR=4.5

YKWI Yellowknife Ar 7.76 103 Pn Sn 03 10 20.8 +1.1

COLD Coldfoot 8.02 293 Pn Sn 03 11 18.5 -5.3

TXAR Lajitas Array 39.75 141 Pn Sn 03 16 01.9 +2.4

FINES ARCESS Array B 44.50 12 P P 03 16 40.0 +2.3

ARCES ARCESS Array B 52.48 14 P P 03 17 41.8 +2.6

BRTR Keskin Array B 74.68 12 P P 03 20 07.5 +1.1

YKA 0.5mm, 0.3s, baz=82, slow=28, SNR=5.6

YKA 1.1mm, 0.3s, baz=300, slow=21, SNR=6.0

YKWI Yellowknife Ar 7.76 103 Pn Sn 03 10 20.8 +1.1

COLD Coldfoot 8.02 293 Pn Sn 03 11 18.5 -5.3

TXAR Lajitas Array 39.75 141 Pn Sn 03 16 01.9 +2.4

FINES ARCESS Array B 44.50 12 P P 03 16 40.0 +2.3

ARCES ARCESS Array B 52.48 14 P P 03 17 41.8 +2.6

BRTR Keskin Array B 74.68 12 P P 03 20 07.5 +1.1

YKA 0.9mm, 0.7s, baz=16, slow=7.3, SNR=5.1

YKA 0.3mm, 0.8s, baz=354, slow=7.4, SNR=2.4

YKA 0.2mm, 0.3s, baz=82, slow=28, SNR=5.6

YKA 1.1mm, 0.3s, baz=300, slow=21, SNR=6.0

YKWI Yellowknife Ar 7.76 103 Pn Sn 03 10 20.8 +1.1

COLD Coldfoot 8.02 293 Pn Sn 03 11 18.5 -5.3

TXAR Lajitas Array 39.75 141 Pn Sn 03 16 01.9 +2.4

FINES ARCESS Array B 44.50 12 P P 03 16 40.0 +2.3

ARCES ARCESS Array B 52.48 14 P P 03 17 41.8 +2.6

BRTR Keskin Array B 74.68 12 P P 03 20 07.5 +1.1

YKA 0.2mm, 0.3s, baz=89, slow=16, SNR=3.6

YKA 0.4mm, 0.3s, baz=296, slow=28, SNR=4.5

YKWI Yellowknife Ar 7.76 103 Pn Sn 03 10 20.8 +1.1

COLD Coldfoot 8.02 293 Pn Sn 03 11 18.5 -5.3

TXAR Lajitas Array 39.75 141 Pn Sn 03 16 01.9 +2.4

FINES ARCESS Array B 44.50 12 P P 03 16 40.0 +2.3

ARCES ARCESS Array B 52.48 14 P P 03 17 41.8 +2.6

BRTR Keskin Array B 74.68 12 P P 03 20 07.5 +1.1

YKA 0.9mm, 0.7s, baz=16, slow=7.3, SNR=5.1

YKA 0.3mm, 0.8s, baz=354, slow=7.4, SNR=2.4

YKA 0.2mm, 0.3s, baz=89, slow=16, SNR=3.6

YKA 0.4mm, 0.3s, baz=296, slow=28, SNR=4.5

YKWI Yellowknife Ar 7.76 103 Pn Sn 03 10 20.8 +1.1

COLD Coldfoot 8.02 293 Pn Sn 03 11 18.5 -5.3

TXAR Lajitas Array 39.75 141 Pn Sn 03 16 01.9 +2.4

FINES ARCESS Array B 44.50 12 P P 03 16 40.0 +2.3

ARCES ARCESS Array B 52.48 14 P P 03 17 41.8 +2.6

BRTR Keskin Array B 74.68 12 P P 03 20 07.5 +1.1

YKA 0.2mm, 0.3s, baz=89, slow=16, SNR=3.6

YKA 0.4mm, 0.3s, baz=296, slow=28, SNR=4.5

YKWI Yellowknife Ar 7.76 103 Pn Sn 03 10 20.8 +1.1

COLD Coldfoot 8.02 293 Pn Sn 03 11 18.5 -5.3

TXAR Lajitas Array 39.75 141 Pn Sn 03 16 01.9 +2.4

FINES ARCESS Array B 44.50 12 P P 03 16 40.0 +2.3

ARCES ARCESS Array B 52.48 14 P P 03 17 41.8 +2.6

BRTR Keskin Array B 74.68 12 P P 03 20 07.5 +1.1

YKA 0.9mm, 0.7s, baz=16, slow=7.3, SNR=5.1

YKA 0.3mm, 0.8s, baz=354, slow=7.4, SNR=2.4

YKA 0.2mm, 0.3s, baz=89, slow=16, SNR=3.6

YKA 0.4mm, 0.3s, baz=296, slow=28, SNR=4.5

YKWI Yellowknife Ar 7.76 103 Pn Sn 03 10 20.8 +1.1

COLD Coldfoot 8.02 293 Pn Sn 03 11 18.5 -5.3

TXAR Lajitas Array 39.75 141 Pn Sn 03 16 01.9 +2.4

FINES ARCESS Array B 44.50 12 P P 03 16 40.0 +2.3

ARCES ARCESS Array B 52.48 14 P P 03 17 41.8 +2.6

BRTR Keskin Array B 74.68 12 P P 03 20 07.5 +1.1

YKA 0.2mm, 0.3s, baz=89, slow=16, SNR=3.6

YKA 0.4mm, 0.3s, baz=296, slow=28, SNR=4.5

YKWI Yellowknife Ar 7.76 103 Pn Sn 03 10 20.8 +1.1

COLD Coldfoot 8.02 293 Pn Sn 03 11 18.5 -5.3

TXAR Lajitas Array 39.75 141 Pn Sn 03 16 01.9 +2.4

FINES ARCESS Array B 44.50 12 P P 03 16 40.0 +2.3

ARCES ARCESS Array B 52.48 14 P P 03 17 41.8 +2.6

BRTR Keskin Array B 74.68 12 P P 03 20 07.5 +1.1

YKA 0.9mm, 0.7s, baz=16, slow=7.3, SNR=5.1

YKA 0.3mm, 0.8s, baz=354, slow=7.4, SNR=2.4

YKA 0.2mm, 0.3s, baz=89, slow=16, SNR=3.6

YKA 0.4mm, 0.3s, baz=296, slow=28, SNR=4.5

YKWI Yellowknife Ar 7.76 103 Pn Sn 03 10 20.8 +1.1

COLD Coldfoot 8.02 293 Pn Sn 03 11 18.5 -5.3

TXAR Lajitas Array 39.75 141 Pn Sn 03 16 01.9 +2.4

FINES ARCESS Array B 44.50 12 P P 03 16 40.0 +2.3

ARCES ARCESS Array B 52.48 14 P P 03 17 41.8 +2.6

BRTR Keskin Array B 74.68 12 P P 03 20 07.5 +1.1

YKA 0.2mm, 0.3s, baz=89, slow=16, SNR=3.6

YKA 0.4mm, 0.3s, baz=296, slow=28, SNR=4.5

YKWI Yellowknife Ar 7.76 103 Pn Sn 03 10 20.8 +1.1

COLD Coldfoot 8.02 293 Pn Sn 03 11 18.5 -5.3

TXAR Lajitas Array 39.75 141 Pn Sn 03 16 01.9 +2.4

FINES ARCESS Array B 44.50 12 P P 03 16 40.0 +2.3

ARCES ARCESS Array B 52.48 14 P P 03 17 41.8 +2.6

BRTR Keskin Array B 74.68 12 P P 03 20 07.5 +1.1

YKA 0.9mm, 0.7s, baz=16, slow=7.3, SNR=5.1

YKA 0.3mm, 0.8s, baz=354, slow=7.4, SNR=2.4

YKA 0.2mm, 0.3s, baz=89, slow=16, SNR=3.6

YKA 0.4mm, 0.3s, baz=296, slow=28, SNR=4.5

YKWI Yellowknife Ar 7.76 103 Pn Sn 03 10 20.8 +1.1

COLD Coldfoot 8.02 293 Pn Sn 03 11 18.5 -5.3

TXAR Lajitas Array 39.75 141 Pn Sn 03 16 01.9 +2.4

FINES ARCESS Array B 44.50 12 P P 03 16 40.0 +2.3

ARCES ARCESS Array B 52.48 14 P P 03 17 41.8 +2.6

BRTR Keskin Array B 74.68 12 P P 03 20 07.5 +1.1

YKA 0.2mm, 0.3s, baz=89, slow=16, SNR=3.6

YKA 0.4mm, 0.3s, baz=296, slow=28, SNR=4.5

YKWI Yellowknife Ar 7.76 103 Pn Sn 03 10 20.8 +1.1

COLD Coldfoot 8.02 293 Pn Sn 03 11 18.5 -5.3

TXAR Lajitas Array 39.75 141 Pn Sn 03 16 01.9 +2.4

FINES ARCESS Array B 44.50 12 P P 03 16 40.0 +2.3

ARCES ARCESS Array B 52.48 14 P P 03 17 41.8 +2.6

BRTR Keskin Array B 74.68 12 P P 03 20 07.5 +1.1

YKA 0.9mm, 0.7s, baz=16, slow=7.3, SNR=5.1

YKA 0.3mm, 0.8s, baz=354, slow=7.4, SNR=2.4

YKA 0.2mm, 0.3s, baz=89, slow=16, SNR=3.6

YKA 0.4mm, 0.3s, baz=296, slow=28, SNR=4.5

YKWI Yellowknife Ar 7.76 103 Pn Sn 03 10 20.8 +1.1

COLD Coldfoot 8.02 293 Pn Sn 03 11 18.5 -5.3

TXAR Lajitas Array 39.75 141 Pn Sn 03 16 01.9 +2.4

FINES ARCESS Array B 44.50 12 P P 03 16 40.0 +2.3

ARCES ARCESS Array B 52.48 14 P P 03 17 41.8 +2.6

BRTR Keskin Array B 74.68 12 P P 03 20 07.5 +1.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like GEVA, BITLIS\_Adilcev, VMUR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TVAN, VAN, ERV, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like OFUJ, OFunato, OJMU, etc.

ISK 02 03:17:52.9, 38.69N:43:51'E, h16km, MD2.7
ISCJB 02 03:17:53.6, 0.8, 38.70N:0.04:43:50E:0.09, h22km, 6km,
Error ellipse: s-maj=11.8km s-min=5.0km az=16.9

ISC 02 03:17:53.1, 1.38, 38.72N:0.02:43:50E:0.05, h14km, 10km,
n20, c#544/31, Turkey

IDC 02 03:45:48.7, 9.2, 55:53N:85:17'E, h0km, Error ellipse:
s-maj=52.3km s-min=29.5km az=7.0, Southwestern
Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like VAN, TVAN, ERV, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NNC, DZET, MNAS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like I46RU, ZALV, I34MN, etc.

NAO 02 03:30:41.9, 1.8, 67.63N:33:85E, ML2.0
HEL 02 03:30:45.0, 0.9, 67.70N:33:20E, h0km, ML1.5, Explosion
CSEM 02 03:30:45.9, 0.5, 67.62N:32:70E, h0km, 5km, ML2.0, Error
ellipse: s-maj=9.3km s-min=8.1km az=155.0, Mining
explosion.

ISC 02 03:30:46.1, 2.4, 67.68N:0.05:33:2E:0.1, h0km, n24,
c#991/34, Baltic States-Belarus-Northernwestern
Russia

IDC 02 03:58:06.3, 9.7, 55:61N:85:14'E, h0km, Error ellipse:
s-maj=53.6km s-min=28.0km az=7.0, Southwestern
Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like APA0, KUB, MSF, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CSEM, TVAN, VAN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like I46RU, ZALV, I34MN, etc.

ISCJB 02 03:30:57.3, 0.5, 38.50N:0.03:43:51'E:0.04, h9km, 4km,

ISCJB 02 03:36:12.9, 0.9, 39.17N:0.05:141:75E:0.10, h74km, 5km,
mb3.4/2, Error ellipse: s-maj=12.7km s-min=7.6km az=0.2

ATA 02 04:04:46.2, 1.3, 38:14N:43:69E, h15km, 49km, ML4.1,
MM4.2



Table with columns: IBST, Bostanabad, 2.85 112, eAMB, AMB, 04 35 31.0, etc. Includes stations like DBOC, KBSD, TBGL, etc.

Table with columns: PQL, Pirkuli, 4.36 61, P, Sn, 04 36 24.4 +3.5, etc. Includes stations like SANLIURFA\_SURC, SUSE, etc.

Table with columns: HAVZ, Havza, 6.43 293, P, Pn, 04 36 08.1 -7.1, etc. Includes stations like YAHY KAYSERI\_Yahyal, KFRA, etc.





Table with columns: YKA, comp=Z,2.0nm,0.9s, MLR, MLR, YKBS, ULM, PDAR, Yellowknife Ar, Lac du Bonnet, Pinedale Array, 77.53 350 eP, 84.11 350 eP, 95.22 340 LR, 04 46 19.2 +0.2, 05 25 18.3, 05 30 35.8

ISCJB 02 04:36:35.6,0.6,38.87N,01:03:43.60E,0.05,h11km,4km, Error ellipse: s-maj=6.8km s-min=4.2km az=19.8

CSEM 02 04:36:35.2,0.2,38.89N,43:57E,h10km,ML3.8, Error ellipse: s-maj=5.9km s-min=3.7km az=123.0

DDA 02 04:36:35.6,38.88N,43:56E,h6km,ML3.8, Error ellipse: s-maj=9.4km s-min=6.6km az=67.6

ISK 02 04:36:35.0,38.86N,43:58E,h8km,MD2.8, Error ellipse: s-maj=9.4km s-min=6.6km az=67.6

ISC 02 04:36:35.4,0.9,38.87N,01:03:43.59E,0.03,h11km,7km, n30,c0568/49,Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, VMUR Van-Muradiye, 0.12 352 i P, 04 36 37.9 -0.7, etc.

AZER 02 04:37:56.8,0.1,37.85N,47:40E,h24km,8km, Error ellipse: s-maj=1.8km s-min=3.7km az=359.0

NEIC 02 04:38:01.2,0.0,38.88N,43:57E,h5km,mb4.2, ML4.2(ISK), After ISK

ISC 02 04:38:01.1,38.88N,43:56E,h7km,ML4.2, Error ellipse: s-maj=1.8km s-min=3.7km az=359.0

ISCJB 02 04:38:02.3,0.4,38.88N,01:02:43.64E,0.03,h11km,3km, mb4.0/17,MS3.9/1, Error ellipse: s-maj=4.7km s-min=3.0km az=39.2

DDA 02 04:38:02.7,38.86N,43:54E,h12km,MD3.3, Error ellipse: s-maj=6.3km s-min=4.0km az=134.0

CSEM 02 04:38:02.0,0.2,38.87N,43:63E,h5km,mb4.1/9, Error ellipse: s-maj=6.3km s-min=4.0km az=134.0

MOS 02 04:38:03.1,5.38.84N,43:70E,h21km,mb4.2/11, Error ellipse: s-maj=11.0km s-min=7.3km az=92.3

IDC 02 04:38:06.7,4.38.84N,43:45E,h27km,29km,mb3.7/10, mb1.3/8/13, mb1mx2.6/47, mbtmp3.8/13, ML2.3/MS3.9/1, Ms1.3/9/1, ms1mx2.8/60, Error ellipse: s-maj=33.7km s-min=10.0km az=166.0

ISC 02 04:38:02.6,0.9,38.84N,01:02:43.62E,0.02,h9km,6km, n140,c1972/160,mb4.0/17,9C-4D,Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, VMUR Van-Muradiye, 0.15 347 i P, 04 38 05.7 -0.2, etc.

Main table with columns: SIRR S-rrnak, VRTB Varto-Mus, AKH Akhalkalaki, etc., 1.65 216 P, 1.71 281 eP, 2.57 358 P, etc.

Main table with columns: ESDC Sonseca Array, TORL Torodi Ar, ULN Ulanbaatar, etc., 36.51 287 P, 44.99 247 P, 45.82 57 eP, etc.

2d 5h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TIXI Tiksi, H11N2 WAKE ISLAND, H11N1 WAKE ISLAND, etc.

IDC 02 04:55:49.61, 1.5, 15:38S, 66:66E, h0km, mb3.9/7, mb1 4.2/7, mb1mx3.7/47, mbtmp3.9/7, MS3.8/12, Ms1 3.8/12, ms1mx3.5/30, Error ellipse: s-maj=50.0km s-min=27.8km az=47.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, etc.

IDC 02 04:58:22.8:8.5, 55:52N, 85:07E, h0km, Error ellipse: s-maj=50.2km s-min=26.6km az=5.0, Southeastern Siberia

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

JMA 02 05:41:35.3, 24:65N, 122:39E, h37km, 2km, M2.9 TAP 02 05:41:35.7, 24:73N, 122:30E, h13km, ML3.4, C Error ellipse: s-maj=33.1, 0.2, 24.69N, 0.03:122.46E, 0.02, h13km, 9km, n42, 0:0575/73, 1C, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JYNG Yanagujimajaku, TWB1 Santonio Chiao, TWB1 Santonio Chiao, etc.

2011 NOV

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ILA ilan, ENA Nanau, ENA Nanau, TWE Weicheng, NWF Wu-fen Shan, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DYDN Diyadin, DYDN Diyadin, ADCV Adilcev, ADCV Adilcev, etc.



Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like EATA, ELESKIRT, CUKT, etc.

CSEM 02 06:26:34.8,0.3,38.81N-43.50E,h10km,ML2.8,Error ellipse: s-maj=6.7km s-min=4.8km az=102.0

DDA 02 06:26:35.0,38.80N-43.51E,h7km,ML3.3

ISK 02 06:26:34.3,38.82N-43.45E,h14km,ML2.8

ISCJB 02 06:26:35.1,0.5,38.82N-43.45E,0.05,h12km,5km,

Error ellipse: s-maj=7.1km s-min=4.3km az=132.2

ISC 02 06:26:35.0,1.1,38.81N-43.45E,0.03,h18km,5km,

n36,az71/49,Turkey

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

MOS 02 06:33:27.3,1.4,0.10N-123.18E,h129km,mb4.9/28,Error ellipse: s-maj=11.2km s-min=6.2km az=106.1

BUJ 02 06:33:27.1,0.00N-123.40E,h131km,mb5.0/51,mb5.0/36

ISCJB 02 06:33:28.0,0.3,0.05S-102.2,123.41E,0.02,h148km,3km,

mb4.8/108,Error ellipse: s-maj=9.9km s-min=3.2km

az=30.4

NEIC 02 06:33:29.7,0.5,0.01S-123.35E,h139km,5km,mb5.0/49,

Error ellipse: s-maj=5.9km s-min=3.8km az=63.0

DJA 02 06:33:30.3,0.3,0.2S-12.3E,h115km,4km,MS.0/16,

mb5.3/12,mb5.4/12,MLv5.3/6,Mw(MB)4.8/3.6,mb4.4/25,

mb1.4/26,mb1mx4.4/31,mbtmp4.8/26,MS3.1/4,

Ms 1.3/24,ms1mx2.8/32,Error ellipse: s-maj=14.0km

s-min=6.7km az=78.0

KLM 02 06:33:32.8,0.02S-123.32E,h139km,mb5.0

ISC 02 06:33:29.7,0.5,0.05S-102.2,123.36E,0.04,h142km,4km,

n615,az31/520,mb4.9/108,16C-13D,Minahassa

Penulisa, Sulawesi

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

Main table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like BSSI, MYLDM, MYLDM, etc.

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

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like ZAK, TYV, WMQ, MSVF, KSH, MK31, MKAR, AAK, PET, YAK, ZAAO, ZALV, KURBB, MA2, KURK, KURF, KKAR, NVS, BRVK, GEYT, TIXI, ABKAR, NRK, BILL, ARU, RAYN, MAW, Vnda, Vnda, Vnda, Vnda.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like ZEI, KBZ, KIV, ARTV, KMB0, LPSR, KLMR, SYO, OBN, MLY, COLD, COLA, BRTR, QSPA, ILAR, ILB, AKASG, KIEV, ARCES, DAWY, FINES, LSZ, LSZ, BUR08, UZH, CRVS, JCVS, HLID, EDW2, BOZ, EGMT, R11A, MONP, GMRC, DUG, DUG, DUG, RED, SNOW, LON, TCUT, NLU, LCMT, PD31, PDAR, LAO, LAO, LAO, P17A, U15A, P18A, SRU, SRU, ESDC, WUAZ, WUAZ, K22A, RWWY, O20A, O20A, W18A, W18A, W18A, X18A, TUC, TUC, TUC, ULM, ULM, ULM, ISCO, ISCO, ISCO, C31A, TOAO, TORO, TORO, B32A, A33A, MDT, E31A, B33A, SDCO, SDCO, B34A, D33A, ANMO, ANMO, ANMO, C34A, LPM, B35A.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like BNM, E33A, MHTCO, D34A, T25A, T25A, F33A, E34A, D35A, G33A, H33A, I32A, G34A, I33A, F35A, EYMM, H34A, K32A, E36A, ECSD, ECSD, G35A, F36A, H35A, MNTX, MNTX, C39A, BGNE, BGNE, G36A, G36A, F37A, H37A, SCH0, F38A, I36A, E39A, M3X, M3X, M3X, F39A, J36A, G38A, I37A, E40A, O33A, H38A, D41A, G39A, F40A, F40A, K36A, M35A, I38A, I39A, K37A, G40A, P34A, F41A, I39A, Q34A, TX31, TXAR, KSU1, KSU1, KSU1, R34A, H41A, L32A, G38A, K39A, Q35A, J40A, L39A, K40A, J41A, JFWS, JFWS, L40A, DBIC, K41A, F46A, P38A, R37A, T36A, K42A, Q38A, S37A, M41A, P39B, W35A, R38A.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Willow Grove F, Jenks, Junction City, etc.

Table with columns: PMAFR, eSN, Az, Az', Phase ID, Time, Res. Includes stations like Mafrá, Nicolau / Gran, Adamuz, etc.

Table with columns: ECAB, El Cabril, PBRG, Braganca, EAGO, Agolada(Pontev), etc.

ISK 02 07:10:48.7,38.74N:43.30E,h18km,MD2.4
CSEM 02 07:10:49.8,0.3,38.70N:43.30E,h20km,MD2.4,Error
ellip: s-maj=7.3km,s-min=6.5km,az=99.0
ISCJB 02 07:10:50.8,0.8,38.71N:0.04:43.33E:0.06,h19km,2,8km,
Error ellip: s-maj=7.3km,s-min=7.0km,az=36.6
DDA 02 07:10:50.8,38.74N:43.33E,h7km,M2.8
ISC 02 07:10:49.6,1.0,38.70N:0.04:43.39E:0.04,h28km,7km,
n22,e075/36,Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Van, Gevas, Bitlis, Adilcev, etc.

IDC 02 07:12:49.7:376.0,50.96N:117.94E,h0km,Error ellip:
s-maj=154.1km,s-min=135.8km,az=102.0,East of Lake

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SONGINO INFRAS, USSURIYSK INFR, etc.

NIED 02 07:13:00.41:50N:142.10E,h71km,Mw3.7,Best double
couple: M3.90000:1014 NP1.3174.00000: 821.00000:
lambda:0.00000: NP2.272.00000: 887.00000: lambda:0.00000:
ISCJB 02 07:13:41.6,0.5,41.45N:0.03:142.12E:0.05,h69km,6km,
mb3.9/3, Error ellip: s-maj=6.5km,s-min=4.4km,az=34.8
JMA 02 07:13:41.8,0.1,41.45N:142.12E,h62km,2km,M3.6
JMA Felt I J1
IDC 02 07:13:44.7:2.0,41.47N:142.28E,h88km,22km,mb3.6/3,
mb1.3/7.6,mb1mx3.3/39,mbtmpp3.9/6, Error ellip:
s-maj=36.3km,s-min=17.0km,az=102.0
ISC 02 07:13:42.5:1.0,41.45N:142.04:142.11E:0.04,h55km,12km,
n28,e19/38,mb3.9/3,3C-SD,Hokkaido region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like OHATA, Kayabe, Urakawa-nobuka, etc.

MDD 02 07:00:39.5:2.1,37.22N:13.20W,h0km,mb4.2/3,Error
ellip: s-maj=18.1km,s-min=16.1km,az=56.0,PRXIMO
INMG 02 07:00:40.8:1.1,36.97N:13.59W,h10km,ML2.4,Error
ellip: s-maj=5.1km,s-min=3.2km,az=121.0
CSEM 02 07:00:42.3:0.4,37.30N:12.90W,h10km,ML2.9,Error
ellip: s-maj=7.0km,s-min=6.2km,az=42.0
ISC 02 07:00:37.4:3.6,37.20N:0.09:13.3W:0.2,h10km,n70,
a176/131,Azores-Cape St. Vincent Ridge

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

Table with columns: POLO, Lamas de Olo, Gavieira, Arco, etc.

WRA Warramunga Arr 61.51 188 P P 07 23 52.1 -1.4
ASAR Alice Springs 65.23 188 P P 07 24 17.6 -0.5

ISK 02 07:18:22.5,38.68N,43.17E,h5km,MD2.6
ISCJB 02 07:18:23.0,38.71N,43.17E,0.0,4,h5km,7km,
Error ellipse: s-maj=4.6km s-min=4.2km az=171.7

Code Station Name Az AZZ Phase ID Time Res
VANB Van 0.19 121 ePg P 07 18 28.4 +0.2
VANB Van 0.19 121 ePg P 07 18 28.4 +0.2

Code Station Name Az AZZ Phase ID Time Res
VANB Van 0.19 121 ePg P 07 18 28.4 +0.2
VANB Van 0.19 121 ePg P 07 18 28.4 +0.2
VANB Van 0.19 121 ePg P 07 18 28.4 +0.2

NEIC 02 07:21:06.7,1.6,40.41N,126.10W,h10km,MW3.9(BRK)
Error ellipse: s-maj=20.5km s-min=5.4km az=76.0

ISC 02 07:21:07.2,2,40.48N,0.05,126.0W,0.1,h13km,n56,
@14/68, Off coast of northern California

Code Station Name Az AZZ Phase ID Time Res
JCC Jacoby Creek, 1.56 77 ePg P 07 21 34.1 -1.1
KJCC JCC 07 21 34.1 -1.1
KHMM Horse Mountain 1.80 77 ePg P 07 21 37.0 -1.5

Code Station Name Az AZZ Phase ID Time Res
PLAI Plampang, 0.70 234 Op P 07 39 21.9 +0.9
PLAI Plampang, 0.70 234 Op P 07 39 21.9 +0.9

ISC 02 07:51:42.6,1.0,30.30S,111.72W,h0km,mb3.8/4,
mb1.4/1.4,mb1mx3.8/25,mbtmp3.8/4,MS3.6/6,Ms1.3.6/6,
ms1mx3.4/18,Error ellipse: s-maj=34.4km
s-min=30.4km az=101.0, Easter Island region

Code Station Name Az AZZ Phase ID Time Res
PLCA Paso Flores, 34.81 119 Op P 07 58 33.9 -1.4
PLAZ La Paz, 42.14 81 P P 07 59 39.1 +1.4
LPZAP 1.9nm,1.2s,baz=232,slow=5.0,SNR=3.6

ISC 02 08:00:00.8,3.7,52.33N,35.61E,h0km,mb1.3/9/2,
mb1mx3.2/33,mbtmp3.8/2,ML2.3/3,Error ellipse:
s-maj=41.1km s-min=14.0km az=116.0, Baltic
States-Belarus-Northwestern Russia

Code Station Name Az AZZ Phase ID Time Res
AKASG Malin Array Be, 4.31 250 Pn P 08 01 06.7 -0.8
AKASG 0.5nm,0.3s,baz=61,slow=15,SNR=1.8

JMA 02 08:11:49.6,0.2,43.77N,147.23E,h52km,M3.3
SKHL 02 08:11:50.4,0.1,43.93N,147.15E,h61km,1km,mb4.5/1
ISC 02 08:11:49.4,2.1,43.93N,0.1x147.2E,0.1,h59km,12km,n13,
@083/21, Kuril Islands

Code Station Name Az AZZ Phase ID Time Res
SHO Shikotan, 0.29 262 Op P 08 11 59.8 +0.5
SHO 210nm,0.2s A A 08 12 00.9
SHO 4um,0.2s A A 08 12 07.2

ISC 02 08:31:59.4,1.1,17.52N,78.97W,h0km,mb3.8/4,
mb1.4/2.6,mb1mx3.8/39,mbtmp3.9/6,ML3.5/2,MS3.2/2,
Ms1.3.3/2,ms1mx2.6/48,Error ellipse: s-maj=66.6km
s-min=20.5km az=47.0

ISCJB 02 08:32:01.1,0.6,17.42N,0.04,78.81W,0.06,h33km,
mb3.7/4,MS3.1/2,Error ellipse: s-maj=8.2km s-min=6.0km
az=11.0

JSN 02 08:32:04.3,3.6,17.55N,78.61W,h0km,96km,MD4.6
ISC 02 08:32:03.4,0.8,17.50N,0.07,78.81W,0.08,h35km,n23,
@1693/23,mb3.7/4,3D, Jamaica region

Code Station Name Az AZZ Phase ID Time Res
MCJ Malvern, 1.15 68 Op P 08 32 20.5 -2.6
MCB Montego Bay, 1.28 45 Op P 08 32 39.9 -0.8
CVJ Coleville, 1.42 59 Op P 08 32 42.8 -1.5

ISC 02 08:39:11.0,8.0,8.50S,127.13E,h170km,92km,mb3.5/2,
mb1.3/2.4,mb1mx2.9/32,mbtmp3.6/4,Error ellipse:
s-maj=109.2km s-min=34.4km az=57.0,Timor region

Code Station Name Az AZZ Phase ID Time Res
WRA Warramunga Arr, 13.34 149 Op P 08 42 12.0 -2.0
WRA 0.1nm,0.3s,baz=326,slow=14,SNR=6.7

ISC 02 08:48:14.3,53.0,16.47S,178.42W,h0km,mb4.3/3,
mb1.4/4.3,mb1mx3.7/38,mbtmp4.3/3,Error ellipse:
s-maj=975.3km s-min=159.0km az=77.0,Fiji Islands
region

Code Station Name Az AZZ Phase ID Time Res
STKA Stephens Creek, 39.33 240 Op P 08 55 45.8 +0.3
WRA Warramunga Arr, 44.90 258 P P 08 56 30.9 -0.3

ISC 02 08:49:16.7,38.78N,43.12E,h5km,ML2.6
ISCJB 02 08:49:18.8,0.5,38.77N,0.03,43.23E,0.0,4,h13km,4km,
Error ellipse: s-maj=5.2km s-min=4.2km az=21.2

CSEM 02 08:49:18.1,0.2,38.78N,43.18E,h7km,ML2.6,Error
ellipse: s-maj=5.3km s-min=4.4km az=130.0
DDA 02 08:49:18.3,38.78N,43.23E,h7km,ML2.6
ISC 02 08:49:18.1,0.1,38.78N,0.02,43.17E,0.03,h9km,10km,
n28, @92/46, Turkey

Code Station Name Az AZZ Phase ID Time Res
VANB Van, 0.25 137 Op P 08 49 24.4 +0.6
VANB Van, 0.25 137 Op P 08 49 24.4 +0.6
VANB Van, 0.25 137 Op P 08 49 24.4 +0.6

KRSC 02 08:53:38.5,10.0,56.03N,164.67E,h52km,10km,ML3.8,
Komandorsky Islands region

Code Station Name Az AZZ Phase ID Time Res
KBTR Krutoberegovo, 1.05 281 ePg P 08 53 57.8 +0.9
KBTR 08 54 10.9 +0.3
BKI Bering, 1.11 137 ePg P 08 53 59.4 +1.8

ISCJB 02 08:57:32.5,0.7,23.29N,0.08,90.74E,0.07,h10km,
mb3.4/4, Error ellipse: s-maj=13.1km s-min=7.2km
az=27.8

ISC 02 08:57:36.2,2.2,22.68N,90.67E,h0km,mb3.5/4,
mb1.3/7.5,mb1mx3.4/50,mbtmp3.6/5,Error ellipse:
s-maj=131.9km s-min=23.0km az=58.0

ISC 02 08:57:34.6,1.1,23.45N,0.08,90.80E,0.06,h10km,n18,
@204/22,mb3.5/4, Bangladesh

Code Station Name Az AZZ Phase ID Time Res
SHL Shillong, 2.33 25 ePg P 08 58 13.0 -0.3
SHL Shillong, 2.33 25 ePg P 08 58 22.0 +2.6

DJA 02 07:09:02.6,0.5,8S,14x11E,110km,6km,MS3.6/7,
MLV3.6/7,Sumbawa region











Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like KSH, BRG, ATD, WTTA, WATA, NKC, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like JIRN, ESDC, ESDC, RAMM, ODAN, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ILA, TWC, TWE, TWB1, etc.

Error ellipse: s-maj=5.0km s-min=2.7km az=155.3
JMA 02 11:43:55.0,0.1,24:77N,121:82E,h97km,2km,M2.8
TAP 02 11:43:55.8,24:81N,121:84E,h94km,ML3.6,B
ISC 02 11:43:55.9,1.5,24:80N,0.05,121:87E,0.03,h96km,7km,

ISCJB 02 11:43:55.7,0.5,24:80N,0.03,121:88E,0.02,h95km,4km,

Table with columns: STYT, Tauyuan, 1.93 212 eP, Pn, 11 44 28.2 +0.8, etc. Includes stations like STYT, WTP, TWK, etc.

Table with columns: TVAN, Van, 2.00 117 P, Pg, 12 03 55.1 -0.4, etc. Includes stations like TVAN, GEVA, BITLIS, etc.

Table with columns: ASAR, Alice Springs, 44.69 162 P, P, 12 14 51 -0.3, etc. Includes stations like ASAR, AAK, KURK, etc.

IDC 02 12:06:36.7, 0.5, 19.24N; 120.39E, h0km, mb4.2/25, mb1 4.4/26, mb1mx3/4/38, mbmp4.2/26, ML3.6/13, MS3.6/13, Ms1 3.7/13, ms1mx3/4/36, Error ellipse: s-maj=17.8km s-min=10.9km az=74.0

NEIC 02 12:06:38.2, 0.3, 19.25N; 120.37E, h10km, mb4.4/8, Error ellipse: s-maj=8.7km s-min=6.1km az=95.0

ISC/JB 02 12:06:39.9, 1.5, 19.35N; 02.120.36E; 0.05, h32km, 12km, mb4.3/31, MS3.6/12, Error ellipse: s-maj=7.2km s-min=3.5km az=174.5

KRSC 02 11:44:26.2, 10.0, 55.51N, 162.89E, h74km, 10km, ML3.6, Near east coast of Kamchatka Peninsula

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

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

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

IDC 02 12:08:03.9, 1.7, 5.5548N; 85.18E, h0km, mb1.2/5/1, mb1mx2.4/4.3, mbmp2.5/1, ML2.0/1, Error ellipse: s-maj=34.4km s-min=23.6km az=35.0, Southwestern Siberia

CSEM 02 11:51:48.1, 1.0, 37.30N; 44.29E, h12km, ML3.3, Error ellipse: s-maj=21.7km s-min=10.8km az=61.0

ISN 02 11:51:49.1, 0.3, 37.23N; 44.01E, h10km, ML3.3, DDA 02 11:51:50.8, 37.25N; 44.05E, h7km, ML3.3, Turkey-Iran border region

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like I46RU, ZALV, ZALV, etc.

IDC 02 12:14:30.8, 1.7, 5.20S; 145.82E, h0km, mb3.2/3, mb1 3.4/5, mb1mx3.2/3, mbmp3.2/5, ML2.5/2, Eastern New Guinea region

CSEM 02 11:55:43.5, 0.3, 37.31N; 43.89E, h2km, ML3.2, Error ellipse: s-maj=9.5km s-min=5.0km az=94.0

ISN 02 11:55:45.9, 0.3, 37.19N; 43.62E, h0km, 9km, ML3.2, DDA 02 11:55:45.1, 37.36N; 43.74E, h7km, ML3.2, Turkey

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

IDC 02 12:35:53.4, 38.58N; 43.23E, h13km, MD2.5, ISC/JB 02 12:35:54.9, 0.8, 38.61N; 0.05; 43.21E; 0.06, h6km, 9km, Error ellipse: s-maj=9.7km s-min=5.2km az=135.1

CSEM 02 12:35:54.2, 0.2, 38.57N; 43.25E, h10km, MD2.7, Error ellipse: s-maj=5.5km s-min=4.4km az=162.0

DDA 02 12:35:55.0, 38.56N; 43.27E, h7km, MD2.7, ISC 02 12:35:54.4, 1.0, 38.57N; 0.03; 43.26E; 0.04, h16km, 7km, n16, c059/30, Turkey

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

IDC 02 12:50:13.7, 2.2, 6.99S; 130.67E, h0km, mb3.2/1, mb1 3.5/4, mb1mx3.2/29, mbmp3.3/4, ML3.3/3, Error ellipse: s-maj=86.7km s-min=28.3km az=79.0, Banda Sea

IDC 02 12:50:13.7, 2.2, 6.99S; 130.67E, h0km, mb3.2/1, mb1 3.5/4, mb1mx3.2/29, mbmp3.3/4, ML3.3/3, Error ellipse: s-maj=86.7km s-min=28.3km az=79.0, Banda Sea

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

ISK 02 12:03:49.9, 38.59N; 43.17E, h5km, MD2.5, ISC/JB 02 12:03:51.4, 0.5, 38.62N; 0.03; 43.19E; 0.03, h6km, 6km, Error ellipse: s-maj=5.5km s-min=4.3km az=18.1

CSEM 02 12:03:51.2, 0.2, 38.62N; 43.18E, h2km, MD2.5, Error ellipse: s-maj=5.3km s-min=4.1km az=31.0

DDA 02 12:03:51.2, 38.61N; 43.19E, h7km, ML2.8, ISC 02 12:03:51.4, 0.9, 38.62N; 0.03; 43.18E; 0.02, h8km, 8km, n21, c059/39, Turkey

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

IDC 02 12:03:49.9, 38.59N; 43.17E, h5km, MD2.5, ISC/JB 02 12:03:51.4, 0.5, 38.62N; 0.03; 43.19E; 0.03, h6km, 6km, Error ellipse: s-maj=5.5km s-min=4.3km az=18.1

CSEM 02 12:03:51.2, 0.2, 38.62N; 43.18E, h2km, MD2.5, Error ellipse: s-maj=5.3km s-min=4.1km az=31.0

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

IDC 02 12:50:13.7, 2.2, 6.99S; 130.67E, h0km, mb3.2/1, mb1 3.5/4, mb1mx3.2/29, mbmp3.3/4, ML3.3/3, Error ellipse: s-maj=86.7km s-min=28.3km az=79.0, Banda Sea

IDC 02 12:50:13.7, 2.2, 6.99S; 130.67E, h0km, mb3.2/1, mb1 3.5/4, mb1mx3.2/29, mbmp3.3/4, ML3.3/3, Error ellipse: s-maj=86.7km s-min=28.3km az=79.0, Banda Sea

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







Table with columns: MJAR, Matsuhiro Arr, 71.39 58 P, 13.35 22.4 -1.1, comp=2.5nm,0.9s,baz=307,slow=5.6,SNR=6.8

CSEM 02 13:33:10.9-0.3, 38.81N, 43.52E, h20km, ML2.8, Error

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ERCV, ERCIS-VAN, 0.24 329 ePg, 13.33 15.6 +1.9

ISK 02 13:34:01.8, 38.81N, 43.44E, h5km, MD2.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, VANB, VAN, 0.24 199 ePg, 13.34 08.2 0.0

ISK 02 13:34:02.7, 38.83N, 43.46E, h7km, ML3.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, VANB, VAN, 0.24 199 ePg, 13.34 08.2 0.0

NIED 02 13:40:00.36, 30N, 142.00E, h14km, Mw4.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, CHOI, Chosi, 1.15 241 P, 13.40 27.1 +0.3

ASAJ Asahikawa, 7.85 3 P, 13.41 57.7 -1.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, CHOI, Chosi, 1.15 241 P, 13.40 27.1 +0.3

Table with columns: USRK, Korea Array, 11.41 280 Pn, 13.42 49.0 +1.5, comp=2.219nm, 19.0s, baz=84, slow=38

ISCJB 02 13:40:40.7, 51.50N, 0.03, 16.12E, h0km, Error

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, KSP, Ksiaz, 0.72 172 ePg, 13.40 55.9 +0.6

ISCJB 02 13:40:43.1, 51.51N, 16.11E, h1km, Mw2.7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, KSP, Ksiaz, 0.72 172 ePg, 13.40 55.9 +0.6

ISCJB 02 13:40:43.1, 51.51N, 16.11E, h1km, Mw2.7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, KSP, Ksiaz, 0.72 172 ePg, 13.40 55.9 +0.6

Table with columns: TREC, Trest, 2.30 191 ePn, 13.41 21.9 +1.2, comp=2.18nm, 0.2s

ISC 02 13:50:12.4, 44.6, 24.41S, 179.84E, h524km, 56km, mb3.0/3,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, DZM, Mont Dzumac, 12.5 278 Op, 13.52 97.8 +1.1

ISC 02 13:55:38.2, 38.55N, 43.15E, h18km, ML3.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, VANB, VAN, 0.15 82 ePg, 13.55 47.6 +0.9

ISC 02 13:55:39.0, 43.357N, 0.03, 43.21E, 0.0, h24km, 5km,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, VANB, VAN, 0.15 82 ePg, 13.55 47.6 +0.9



2d 14h

MLZ	comp=Z,42um,22.0s Mavora Lakes comp=Z,98nm,1.4s	40.13 257	eP	P	15 07 05.3	+1.2
MLZ			LR	LR		
FOZ	comp=Z,25um,18.0s Fox Glacier	40.31 260	PFAKE	LR	15 07 20.0	+1.5
PLCA	comp=Z,44um,20.0s Paso Flores comp=Z,7.3nm,1.1s,baz=287,slow=13,SNR=5.8 PcP	40.45 94	P	P	15 07 07.2	+0.4
PLCA	comp=Z,7.0nm,1.1s,baz=230,slow=5.8,SNR=2.5		LR	LR	15 20 02.3	
PLCA	comp=Z,16um,19.8s,baz=250,slow=31	40.45 94	eP	P	15 07 05.8	-1.0
PLCA	comp=Z,141nm,1.8s		LR	LR	15 09 08.7	-0.8
PYZ	comp=Z,23um,22.0s Puysegur Point	40.45 255	PcP PFAKE	PcP	15 07 20.0	+1.3
PAE	comp=Z,21nm,1.0s Paea	40.59 329	eT	T	15 07 02.9	-5.1
PAE	comp=Z,2.9nm,0.3s Deep Cove	40.61 256	PFAKE	LR	15 07 20.0	+1.2
DCZ	comp=Z,26um,22.0s Tiarei	40.62 329	eT	T	15 49 58.3	
PPT2	comp=Z,5.3nm,0.3s Papeete2	40.65 329	eP	P	15 07 03.6	-5.0
PPT2	comp=Z,116nm,1.4s		eS	S	15 13 14.1	-4.4
PPT2	comp=Z,7um,26.2s		eLQ	LQ	15 16 21.7	
PPT2	comp=Z,9um,23.8s		eLR	LR	15 18 06.1	
PPT	comp=Z,80um,26.2s,baz=168	40.67 329	P	P	15 07 10.1	+1.4
PPT	comp=Z,15nm,0.3s,baz=72,slow=20,SNR=2.9		LR	LR	15 20 23.1	
HIZ	comp=Z,21um,18.6s,baz=158,slow=31	40.70 270	PFAKE	LR	15 07 20.0	+1.1
HIZ			LR	LR		
EFI	comp=Z,15um,22.0s East Falkland	40.73 116	PFAKE	P	15 07 08.1	-0.8
EFI	comp=Z,116um,1.4s	40.73 116	PFAKE	LR	15 07 20.0	+1.1
RAR	comp=Z,23um,20.0s Rarotonga	41.00 313	P	P	15 07 12.1	+0.7
RAR	comp=Z,31nm,0.8s,baz=204,slow=7.7,SNR=7.0	41.00 313	eP	P	15 07 12.8	+1.4
RAR	comp=Z,250nm,1.6s	41.00 313	eP	P	15 07 12.8	+1.4
RAR	comp=Z,249nm,1.6s	41.00 313	eP	P	15 07 16.8	-5.6
VAH	comp=Z,181nm,1.2s Vaihoa	42.34 333	eP	T	15 52 08.5	
VAH	comp=Z,696nm,0.3s	42.34 333	eT	T	15 07 31.7	-0.6
GO05	comp=Z,133nm,1.7s Hualaeo	43.58 87	eP	LR	15 07 34.9	+1.4
GO05	comp=Z,28um,22.0s Omahuta	43.72 273	eP	LR	15 07 34.9	+1.4
Ouz	comp=Z,79nm,1.2s		LR	LR		
Ouz	comp=Z,18um,21.0s		LR	LR		
ROC1	comp=Z,38nm,1.1s El Roble	45.57 86	eP	P	15 07 48.1	-0.5
UNA3	comp=Z,8um,25.3s Neumayer Olymp	46.88 157	P	P	15 07 56.8	-1.3
TAOE	comp=Z,8um,25.3s Nuku Hiva Isla	46.99 345	eS	S	15 14 46.0	-5.0
TAOE			eLQ	LQ	15 18 50.3	
TAOE	comp=Z,13um,26.7s		eLR	LR	15 21 22.0	
TAOE	comp=Z,57um,25.4s,baz=184	46.99 345	eT	T	15 57 59.6	
TAOE	comp=Z,32nm,0.2s Nuku Hiva Isla	46.99 345	PFAKE	LR	15 08 10.0	+1.0
TRQA	comp=Z,23um,22.0s Toruquist	47.15 98	eP	P	15 08 00.6	-0.1
VNA2	comp=Z,52nm,0.9s Neumayer-Watz	47.61 158	P	P	15 08 02.9	-0.9
VNA1	comp=Z,215,slow=9.2 Neumayer-Stat	47.63 157	P	P	15 08 03.0	-0.9
SNA4	comp=Z,47.99 160 Sanae	47.99 160	P	P	15 08 04.7	-2.1
SNA4	comp=Z,13nm,0.7s,baz=240,slow=5.8,SNR=27	47.99 160	P	P	15 08 04.3	-2.5
SNA4	comp=Z,19um,19.0s Sanae	47.99 160	eP	P	15 08 04.5	-2.3
SNA4	comp=Z,183nm,1.8s		LR	LR		
LCO	comp=Z,37um,20.0s Las Campanas	48.70 82	eP	P	15 08 12.1	-1.0
LCO	comp=Z,42nm,1.0s		LR	LR		
HOPE	comp=Z,16um,22.0s Hope Point	49.56 130	PFAKE	LR	15 08 30.0	+1.1
NVL	comp=Z,17um,19.0s N'varezskaya	51.34 164	eP	P	15 08 30.7	-1.5
NVL			e	S	15 10 30.7	
NVL			eS	S	15 15 50.2	-0.6
NVL			MLR	MLR		
AFI	comp=Z,19um,22.0s Afiamalu	52.81 304	eP	P	15 08 45.3	+1.5
AFI	comp=Z,110nm,1.0s	52.81 304	eP	P	15 08 45.3	+1.5
PB10	comp=Z,106nm,1.0s IPOC Station P	53.03 78	PFAKE	LR	15 09 00.0	+1.5
TAU	comp=Z,7um,21.0s Tasmania Unive	53.05 246	eP	MLR	15 08 41.3	-4.0
TAU	comp=Z,16um,19.0s Tasmania Unive	53.05 246	eP	LR	15 08 41.3	-4.0
MIR	comp=Z,16um,19.0s Mirnyy	54.62 199	eP	P	15 08 56.0	-0.4
MIR			i	S	15 18 37.0	+1.4
MIR			i	S	15 18 40.0	
MIR			iSS	SS	15 20 19.0	+1.6
MIR			pmx	pmx		
MIR	comp=Z,8.0nm,2.2s		pmx	pmx		
LVC	comp=Z,1um,12.0s		smx	smx		
LVC	comp=Z,6um,13.0s Limon Verde	54.67 79	eP	P	15 08 56.6	-1.2
LVC	comp=Z,17.7nm,1.4s		LR	LR		
LHI	comp=Z,4um,18.0s Lord Howe Isla	54.74 264	PFAKE	LR	15 09 10.0	+1.2
LHI			LR	LR		
MSVF	comp=Z,7um,18.0s Nonsavu	54.75 291	eP	P	15 08 58.7	+0.6
MSVF	comp=Z,94nm,1.5s Nonsavu	54.75 291	eP	P	15 08 58.8	+0.6
SYO	comp=Z,55.91 175 Syowa Base	55.91 175	eP	P	15 09 02.5	-3.1
SYO	comp=Z,55.91 175	55.91 175	eP	P	15 09 04.1	-1.5
MAW	comp=Z,9.4nm,0.7s,baz=170,slow=8.9,SNR=13	57.29 185	P	P	15 31 28.0	
MAW	comp=Z,10um,21.0s,baz=166,slow=34	57.29 185	eP	P	15 09 13.4	-2.1
MAW	comp=Z,8.8nm,1.2s		LR	LR	15 09 30.0	+1.2
CAN	comp=Z,14um,19.0s C Canberra	57.60 254	PFAKE	LR	15 28 02.3	
DZM	comp=Z,8um,21.2s,baz=138,slow=30	57.72 278	LR	LR	15 09 19.8	+0.5
DZM	comp=Z,62nm,1.2s	57.72 278	eP	P	15 09 22.5	-1.4
CPUP	comp=Z,6.1nm,0.6s,baz=230,slow=6.9,SNR=16	58.40 91	P	P	15 31 16.2	
CPUP	comp=Z,19um,18.2s,baz=226,slow=33	58.40 91	eP	P	15 09 32.5	+4.0
NNA	comp=Z,59.04 64	59.04 64	iP	P	15 09 33.4	-0.3
ARMA	comp=Z,45nm,1.3s Armidales	60.17 75	P	P	15 09 36.5	-0.4
LPAZ	comp=Z,48nm,1.1s,baz=200,slow=3.6,SNR=20	60.17 75	P	P	15 29 32.6	
LPAZ	comp=Z,5um,19.3s,baz=213,slow=30	60.17 75	P	P	15 09 36.5	-0.4

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LPAZ	comp=Z,34nm,0.9s La Paz	60.17 75	eP	P	15 09 36.8	-0.1
LPAZ	comp=Z,108nm,1.1s		LR	LR		
XMAS	comp=Z,19um,22.0s Kiritimati	61.61 327	PFAKE	LR	15 10 00.0	+1.4
KNTN	comp=Z,8um,20.0s Kanton	62.58 310	PFAKE	LR	15 10 10.0	+1.7
PAYG	comp=Z,21um,19.0s Puerto Ayora	62.71 45	PFAKE	LR	15 10 10.0	+1.7
EIDS	comp=Z,11um,19.0s Eidsvold	63.96 263	eP	P	15 10 00.8	-0.9
EIDS	comp=Z,45nm,1.3s		LR	LR		
STKA	comp=Z,11um,20.0s Stephens Creek	64.25 251	P	P	15 10 02.3	-1.1
STKA	comp=Z,11nm,1.1s,baz=125,slow=9.6,SNR=9.5		LR	LR	15 32 12.6	
STKA	comp=Z,16um,21.6s,baz=137,slow=31	64.25 251	eP	P	15 10 04.0	+0.6
STKA	comp=Z,5.4nm,1.0s	64.25 251	eP	P	15 10 02.3	-1.1
SPB	comp=Z,16um,18.0s Sao Paulo	66.19 97	eP	P	15 10 14.6	-1.5
SPB			LR	LR		
BBOO	comp=Z,16um,18.0s Bucklebo	66.49 246	eP	P	15 10 16.3	-1.7
BBOO	comp=Z,55nm,1.1s		LR	LR		
OTAV	comp=Z,10um,18.0s Otavalo	68.75 56	eP	P	15 10 36.3	+3.4
OTAV	comp=Z,48nm,1.4s	68.75 56	eP	P	15 10 32.6	-0.3
SAML	comp=Z,33nm,0.9s Samuel	68.91 75	eP	P	15 10 31.9	-1.5
CMBC	comp=Z,9um,19.0s Cumbal	70.63 57	eP	P	15 10 45.3	+1.0
TUMC	comp=Z,10um,18.1s,baz=134,slow=33	70.63 57	eP	P	15 38 49.0	
CTAO	comp=Z,37nm,1.0s Charters Tower	70.85 262	eP	P	15 10 45.1	-0.2
CTAO	comp=Z,37nm,0.9s		LR	LR		
HNR	comp=Z,7um,18.0s Honiarra	71.55 280	eP	P	15 10 50.1	+0.6
HNR	comp=Z,213nm,1.2s	71.55 280	eP	P	15 10 50.1	+0.6
HNR	comp=Z,213nm,1.2s	71.55 280	eP	P	15 10 51.0	+0.9
POPC	comp=Z,8um,25.3s Popayan, Colomb	71.61 56	eP	P	15 10 52.2	-1.0
BDFB	comp=Z,8.4nm,0.8s,baz=233,slow=5.1,SNR=3.9	71.61 56	eP	P	15 40 15.6	
BDFB	comp=Z,12um,18.4s,baz=2.5,slow=34	72.13 92	eP	P	15 10 52.5	-0.7
BDFB	comp=Z,146nm,1.7s	72.13 92	eP	P	15 10 52.2	-1.3
FORT	comp=Z,65um,22.0s Forrest	72.33 242	eP	LR	15 10 52.6	-1.6
FORT			LR	LR		
BETC	comp=Z,73um,57 eP	72.33 57	eP	P	15 11 02.3	+1.2
PRAC	comp=Z,78nm,1.6s	73.49 57	eP	P	15 11 02.3	+1.2
PRAC	comp=Z,7um,22.0s		LR	LR		
TARA	comp=Z,7um,22.0s Tarawa	73.51 298	PFAKE	LR	15 11 10.0	+8.8
TARA			LR	LR		
GUVC	comp=Z,73um,57 eP	73.59 60	eP	P	15 10 59.2	-2.5
PLMC	comp=Z,76um,56 eP	73.59 60	eP	P	15 11 03.9	+0.6
TOLC	comp=Z,74um,57 eP	74.04 57	eP	P	15 11 06.8	+2.1
VILC	comp=Z,74.42 58 eP	74.42 58	eP	P	15 11 08.2	+1.5
GUVC	comp=Z,74.56 56 eP	74.56 56	eP	P	15 11 08.2	+0.3
ROSC	comp=Z,7.5nm,0.4s,baz=190,slow=6.1,SNR=12	74.74 57	eP	P	15 38 16.2	
ROSC	comp=Z,7um,19.6s,baz=222,slow=31	74.74 57	eP	P	15 11 12.5	+3.6
ROSC	comp=Z,7.6nm,1.4s	74.74 57	eP	P	15 11 10.7	+1.9
ASAR	comp=Z,78um,250 P	74.88 250	P	P	15 11 07.8	-1.4
ASAR	comp=Z,38nm,1.1s,baz=140,slow=4.5,SNR=50		LR	LR	15 39 59.3	
AS31	comp=Z,16um,19.3s,baz=148,slow=32	74.88 250	eP	P	15 11 07.4	-1.9
AS31	comp=Z,13nm,0.9s		LR	LR		
HDC	comp=Z,200nm,20.0s Heredia	74.91 46	PFAKE	LR	15 11 20.0	+1.1
HDC			LR	LR		
CTAB	comp=Z,74.95 57 eP	74.95 57	eP	P	15 11 12.0	+1.9
NORC	comp=Z,75.11 56 eP	75.11 56	eP	P	15 11 11.5	+1.0
HO6E1	comp=Z,57.18 T	57.18 T	T	T	16 33 28.2	
HELX	comp=Z,75.34 56 eP	75.34 56	eP	P	15 11 13.9	+1.6
HELX	comp=Z,200nm,1.5s	75.34 56	eP	P	15 11 12.7	+0.4
HELX			LR	LR		
NWAO	comp=Z,75.68 233 LR	75.68 233	LR	LR	15 36 38.5	
NWAO	comp=Z,13um,20.0s,baz=18,slow=30	75.68 233	eP	P	15 11 14.0	+4.0
NWAO	comp=Z,121nm,1.1s	75.68 233	eP	P	15 11 14.0	+4.0
NWAO	comp=Z,121nm,1.1s	75.68 233	eP	P	15 11 14.0	+4.0
NWAO	comp=Z,121nm,1.1s	75.68 233	eP	P	15 11 14.0	+4.0
BCIP	comp=Z,76.26 58 eP					

TUC	baz=190								
TUC	Tucson	88.45	15	eP	P			15 12 22.6	+2.3
TUC	Tucson	88.45	15	eP	P			15 12 21.4	+1.0
SDDR	comp=Z,31nm,1.1s								
SDDR	Presa Saban	88.48	53	eP	P			15 12 21.8	+1.0
SDDR	comp=Z,4um,21.0s								
113A	Mohawk Valley	88.48	13	eP	P			15 12 22.7	+2.4
SVB	comp=Z,29nm,1.3s								
SVB	Belmont	88.51	64	PFAKE	LR			15 12 30.0	+9.0
636A	comp=Z,7um,20.0s								
636A	Smother's Crean	88.58	27	eP	P			15 12 21.8	+0.9
CIS	comp=Z,20nm,2.0s								
CIS	Catalina Islan	88.61	9	P	P			15 12 24.0	+2.9
GLA	baz=186								
GLA	Glamis	88.63	12	PFAKE	LR			15 12 30.0	+8.8
MNTX	comp=Z,7um,21.0s								
MNTX	Cornudas Mount	88.79	20	P	P			15 12 23.4	+1.5
MNTX	baz=193								
MNTX	Cornudas Mount	88.79	20	eP	P			15 12 22.6	+0.7
JCT	comp=Z,22nm,1.1s								
JCT	Junction City	88.83	25	P	P			15 12 26.6	+4.4
JCT	baz=187								
JCT	Junction City	88.83	25	eP	P			15 12 26.5	+4.4
JCT	Junction City	88.83	25	eP	P			15 12 23.0	+0.8
JCT	comp=Z,39nm,1.1s								
JCT	comp=Z,2um,21.0s								
TPFO	Pinon Flats	89.00	10	P	P			15 12 25.6	+2.7
XPFO	baz=187								
XPFO	Pizon Flat	89.01	10	eP	P			15 12 23.3	+0.3
XPFO	comp=Z,7,76nm,1.8s								
PFO	comp=Z,10um,21.0s								
PFO	Pinyon Flats O	89.01	10	P	P			15 12 25.3	+2.3
PFO	baz=187								
PFO	Pinyon Flats O	89.01	10	eP	P			15 12 25.3	+2.3
PFO	Pinyon Flats O	89.01	10	eP	P			15 12 23.4	+0.3
SUR	comp=Z,7,1nm,1.8s								
SUR	Sutherland	89.07	155	PFAKE	LR			15 12 30.0	+6.2
SAUI	comp=Z,5um,20.0s								
SAUI	Saumlaki	89.07	257	PFAKE	LR			15 12 30.0	+6.2
536A	comp=Z,13um,20.0s								
536A	Bastrop	89.14	27	PFAKE	LR			15 12 40.0	+1.6
121A	comp=Z,2um,21.0s								
121A	Cookes Peak, D	89.16	18	P	P			15 12 25.8	+2.0
121A	baz=192								
121A	Cookes Peak, D	89.16	18	eP	P			15 12 24.9	+1.1
BBGH	comp=Z,31nm,1.1s								
BBGH	Gun Hill	89.29	66	PFAKE	LR			15 12 40.0	+1.5
HKT	comp=Z,6um,22.0s								
HKT	Hockley	89.35	28	eP	P			15 12 30.4	+6.0
HKT	Hockley	89.35	28	eP	P			15 12 26.1	+1.7
HKT	comp=Z,85nm,1.8s								
Y12C	comp=Z,2um,19.0s								
Y12C	Blythe	89.36	12	PFAKE	LR			15 12 40.0	+1.6
PASC	comp=Z,7um,22.0s								
PASC	pasadena Art C	89.40	9	PFAKE	LR			15 12 40.0	+1.5
BELC	comp=Z,8um,18.0s								
BELC	Belle Mtn, Jos	89.44	11	P	P			15 12 27.8	+2.8
MWC	comp=Z,8um,20.0s								
MWC	Mount Wilson	89.46	9	PFAKE	LR			15 12 40.0	+1.5
IRM	comp=Z,8um,20.0s								
IRM	Iron Mountain	89.69	11	P	P			15 12 29.1	+3.0
Y14A	baz=188								
Y14A	Wickenburg	89.73	13	eP	P			15 12 27.6	+1.2
MPR	comp=Z,53nm,1.1s								
MPR	Mayaguez	89.77	57	PFAKE	LR			15 12 40.0	+1.3
OSI	comp=Z,2um,20.0s								
OSI	Ostio Audit: C	89.79	8	PFAKE	LR			15 12 40.0	+1.3
FDf	comp=Z,8um,22.0s								
FDf	Fort de France	89.80	64	PFAKE	LR			15 12 40.0	+1.3
AGP	comp=Z,10um,22.0s								
AGP	Aguadilla	89.93	57	PFAKE	LR			15 12 40.0	+1.2
PKM	comp=Z,2um,21.0s								
PKM	Mcpherson Peak	89.97	7	P	P			15 12 31.0	+3.5
EDW2	comp=Z,8um,18.0s								
EDW2	Edwards Air Fo	90.12	9	P	P			15 12 30.6	+2.5
SJG	comp=Z,3um,21.0s								
SJG	San Juan	90.16	58	PFAKE	LR			15 12 40.0	+1.1
HEC	comp=Z,3um,21.0s								
HEC	Hector,Ludlow	90.23	10	P	P			15 12 30.9	+2.3
GMRC	comp=Z,1um,21.0s								
GMRC	Granite Mounta	90.25	11	P	P			15 12 32.4	+3.5
HUMP	comp=Z,1um,21.0s								
HUMP	Col San Antoni	90.33	58	PFAKE	LR			15 12 40.0	+1.1
GSC	comp=Z,4um,20.0s								
GSC	Goldstone, Bar	90.65	10	P	P			15 12 33.7	+3.1
GSC	baz=187								
GSC	Goldstone, Bar	90.65	10	eP	P			15 12 33.4	+2.8
GSC	Goldstone, Bar	90.65	10	eP	P			15 12 32.1	+1.5
GSC	comp=Z,32nm,1.3s								
GRTK	comp=Z,8um,20.0s								
GRTK	Grand Turk	90.75	52	PFAKE	LR			15 12 40.0	+8.7
X18A	comp=Z,3um,18.0s								
X18A	Snowflake	90.75	16	eP	P			15 12 32.8	+1.6
W13A	comp=Z,45nm,1.1s								
W13A	Hualapai Mount	90.77	12	eP	P			15 12 31.8	+0.5
PAGB	comp=Z,14nm,1.1s								
PAGB	Antelope Grade	90.78	7	eP	P			15 12 31.2	+0.1
PAGB	comp=Z,79nm,1.5s								
Y22D	comp=Z,8um,22.0s								
Y22D	IRIS PASCAL I	90.81	18	PFAKE	LR			15 12 40.0	+8.5
ISA	comp=Z,2um,19.0s								
ISA	Isabella, Lake	90.85	8	P	P			15 12 33.5	+2.0
ISA	baz=186								
ISA	Isabella, Lake	90.85	8	eP	P			15 12 34.4	+2.9
ISA	Isabella, Lake	90.85	8	eP	P			15 12 31.6	+0.1
ABTX	comp=Z,39nm,1.4s								
ABTX	Abilene, Hawle	90.92	24	eP	P			15 12 32.0	+0.1
ABTX	comp=Z,37nm,1.1s								
ABTX	comp=Z,2um,18.0s								
BNM	Barren Site	90.94	18	eP	P			15 12 32.3	+0.2
STVI	comp=Z,2um,19.0s								
STVI	Saint Thomas	90.95	59	PFAKE	LR			15 12 40.0	+7.8
STVI	comp=Z,3um,20.0s								
STVI	Vestal, Richgr	90.98	8	P	P			15 12 35.3	+3.3
LPM	comp=Z,2um,20.0s								
LPM	Los Pinos Moun	91.09	18	eP	P			15 12 33.1	+0.3
SABA	comp=Z,7um,22.0s								
SABA	Saba	91.17	60	PFAKE	LR			15 12 40.0	+6.7
SKI	comp=Z,2um,20.0s								
SKI	Saint Kitts	91.18	61	PFAKE	LR			15 12 40.0	+6.6
SEUS	comp=Z,21um,20.0s								
SEUS	St. Eustatius	91.20	61	PFAKE	LR			15 12 40.0	+6.6
PMPB	comp=Z,8um,20.0s								
PMPB	Monarch Peak	91.22	7	PFAKE	LR			15 12 40.0	+6.8
H11S2	comp=Z,8um,20.0s								
H11S2	WAKE ISLAND Hy	91.27	301	T	T			16 53	38.9
H11S3	baz=148								
H11S3	WAKE ISLAND Hy	91.28	301	T	T			16 53	41.6
H11S1	baz=148								
H11S1	WAKE ISLAND Hy	91.29	301	T	T			16 53	41.4
MPMC	comp=Z,1um,20.0s								
MPMC	Manual Prospec	91.33	9	P	P			15 12 35.8	+1.9
W18A	comp=Z,1um,20.0s								
W18A	Petrified Fore	91.36	16	PFAKE	LR			15 12 50.0	+1.6
SOEI	comp=Z,5um,22.0s								
SOEI	Soe	91.50	251	PFAKE	LR			15 12 50.0	+1.5

SOEI	LR	LR							
WUAZ	Wupatki	91.51	14	eP	P			15 12 34.7	0.0
WUAZ	comp=Z,22nm,1.1s								
DAC	comp=Z,7um,21.0s								
DAC	Darwin (Calif)	91.54	9	eP	P			15 12 36.7	+1.9
DAC	Darwin (Calif)	91.54	9	eP	P			15 12 34.7	-0.1
ABVI	comp=Z,20nm,1.5s								
ABVI	Anegada Island	91.58	59	PFAKE	LR			15 12 50.0	+1.5
SAO	comp=Z,3um,20.0s								
SAO	San Andreas Ge	91.73	6	PFAKE	LR			15 12 50.0	+1.5
ANMO	comp=Z,8um,19.0s								
ANMO	Albuquerque	91.74	18	P	P			15 12 37.6	+1.8
ANMO	baz=192								
ANMO	Albuquerque	91.74	18	eP	P			15 12 36.8	

2d 15h

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like DFRA, DANN, PYUN, etc.

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

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Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like BRTR, CRVS, VOIR, etc.

KRSC 02 15:08:31.7-10.0, 5171N-157.02E, h231km, ML3.5, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like KDRTR, ASAK, RUS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CALDIRAN, BITLIS ADILCEV, TUTAK, HANUR-AGRY, KARACOBAN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like COCH, CCHI, TMU, GO05, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like VANB, CALDIRAN, CLDR, etc.

ISCJB 02 15:27:46.5, 0.5, 38.67N, 0.02:43.47E, 0.04, h10km, 3km, Error ellipse: s-maj=4.8km s-min=3.6km az=14.9

ISCJB 02 15:46:08.4, 0.6, 38.92N, 0.02:43.70E, 0.03, h3km, 4km, Error ellipse: s-maj=4.1km s-min=3.2km az=144.2

ISCJB 02 15:51:22.1, 38.87N, 43.55E, h18km, MD2.6, Error ellipse: s-maj=6.0km s-min=4.5km az=104.0

Main table for 107 page, listing station data for various stations including VANB, TVAN, VMUR, etc.

Main table for 107 page, listing station data for various stations including COCH, CCHI, TMU, etc.

Main table for 107 page, listing station data for various stations including VANB, CALDIRAN, CLDR, etc.

IDC 02 15:31:19.3, 1.1, 55.42S, 128.66W, h0km, mb3.7/3, mb1 3.9/3, mb1mx3.7/24, mbtmp3.7/3, Error ellipse: s-maj=162.6km s-min=29.2km az=163.0

ISCJB 02 15:48:37.7, 0.4, 38.94N, 0.02:43.56E, 0.04, h11km, 3km, Error ellipse: s-maj=5.2km s-min=3.6km az=8.9

ISCJB 02 15:53:54.6, 38.84N, 43.57E, h5km, ML2.4, Error ellipse: s-maj=9.0km s-min=4.7km az=24.2

Table for 107 page, listing station data for stations like LPAZ, ASAR, WRA, etc.

Table for 107 page, listing station data for stations like LKRM, KDMR, SAAT, etc.

Table for 107 page, listing station data for stations like VANB, CALDIRAN, CLDR, etc.

IDC 02 15:32:58.9, 738.0, 56.99N, 1.49W, h0km, Error ellipse: s-maj=408.5km s-min=170.6km az=110.0, United Kingdom

ISCJB 02 15:48:37.1, 38.92N, 43.53E, h11km, ML3.2, Error ellipse: s-maj=5.3km s-min=4.0km az=102.0

ISCJB 02 15:53:56.3, 38.85N, 43.57E, h2km, 1.1km, Error ellipse: s-maj=9.0km s-min=4.7km az=24.2

Table for 107 page, listing station data for stations like I26DE, H43RU, etc.

Table for 107 page, listing station data for stations like VMUR, ERV, etc.

Table for 107 page, listing station data for stations like VANB, CALDIRAN, CLDR, etc.

GUC 02 15:34:55.9, 0.4, 37.16S, 73.97W, h22km, 3km, ML3.5, Near coast of central Chile

ISCJB 02 15:48:37.0, 38.92N, 43.56E, 0.04, h10km, 5km, n36, 499963, Turkey

ISCJB 02 15:53:56.3, 38.85N, 43.57E, h2km, 1.1km, Error ellipse: s-maj=9.0km s-min=4.7km az=24.2

Table for 107 page, listing station data for stations like CCSP, CSPP, etc.

Table for 107 page, listing station data for stations like VMUR, ERV, etc.

Table for 107 page, listing station data for stations like VANB, CALDIRAN, CLDR, etc.

2d 16h

Table with columns: TATV, Station Name, Azimuth, Elevation, P, S, SNR, Time, Res. Includes data for stations like Van, Tatvan, and Bitlis.

ISC 02 15:56:59.6, 38.77N, 43.41E, h17km, ML2.5
ISCJB 02 15:57:00.3, 0.8, 38.77N, 43.41E, h17km, ML2.5, Error
Error ellipse: s-maj=8.7km s-min=5.6km az=27.7

CSEM 02 15:57:00.8, 0.2, 38.79N, 43.38E, h10km, ML2.5, Error
ellipse: s-maj=5.7km s-min=4.6km az=135.0
DDA 02 15:57:01.1, 38.79N, 43.37E, h7km, ML2.8

ISC 02 15:57:00.3, 1.0, 38.76N, 43.43E, h27km, 8km, n20, c050/38, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res. Lists stations like Van, Tatvan, Bitlis, and Guroymak-BITLI.

ISC 02 15:59:45.1, 1.7, 37.23N, 43.61E, h0km, 7km, ML3.1
CSEM 02 15:59:45.1, 0.8, 37.18N, 44.02E, h2km, ML3.1, Error
ellipse: s-maj=17.2km s-min=9.1km az=69.0

DDA 02 15:59:46.5, 37.28N, 43.89E, h5km, ML3.1
ISC 02 15:59:43.9, 2.0, 37.16N, 43.98E, h4km, 11km, n13, c152/26, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res. Lists stations like Cukurca, Warramunga Arr, and ASAR.

CSEM 02 16:09:47.5, 0.2, 38.59N, 43.32E, h12km, MD2.5, Error
ellipse: s-maj=6.4km s-min=4.6km az=136.0
DDA 02 16:09:47.8, 38.62N, 43.27E, h7km, ML2.5

ISC 02 16:09:47.2, 38.60N, 43.31E, h6km, MD2.5
ISC 02 16:09:47.1, 1.0, 38.51N, 43.29E, h11km, 8km, n16, c052/28, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res. Lists stations like Van, Tatvan, Bitlis, and Guroymak-BITLI.

MAN 02 16:10:43, 10.42N, 122.02E, h7km, mb3.8, ML2.5, MS2.1, 1D, Panay

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res. Lists stations like Jordan, Coron, and El Nido.

ISC 02 16:28:29.8, 38.55N, 43.13E, h8km, MD2.7
DDA 02 16:28:30.8, 38.63N, 43.18E, h7km, ML2.4
CSEM 02 16:28:31.0, 0.2, 38.61N, 43.14E, h0km, 6km, ML2.4, Error

ellipse: s-maj=5.5km s-min=3.9km az=145.0
ISC 02 16:28:31.0, 1.0, 38.61N, 43.14E, h5km, 10km, n30, c079/54, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res. Lists stations like Van and Tatvan.

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Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res. Lists stations like Van, Tatvan, Bitlis, and Guroymak-BITLI.

ISC 02 16:29:43.1, 1.7, 7.82S, 130.86E, h0km, mb3.6/3, mb1 3.9/6, mb1mx3/7.28, mbtmp3.7/6, ML3.8/3, Error

ellipse: s-maj=62.8km s-min=24.3km az=79.0
ISCJB 02 16:29:46.7, 1.0, 8.04S, 0.07, 130.4E, 0.1, h33km, mb3.5/3, Error

ellipse: s-maj=21.3km s-min=9.1km az=173.5
ISC 02 16:29:48.5, 1.1, 8.01S, 0.08, 130.6E, 2.2, h35km, n6, c119/19, mb3.5/3, Tanimbar Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res. Lists stations like FITZ, WRA, ASAR, and CMAR.

ISC 02 16:34:14.2, 2.1, 4.12N, 126.73E, h0km, mb3.4/4, mb1 3.6/4, mb1mx3.4/3, mbtmp3.4/4, Error

ellipse: s-maj=124.5km s-min=24.6km az=70.0, Talaud Islands
ISC 02 16:34:14.2, 2.1, 4.12N, 126.73E, h0km, mb3.4/4, mb1 3.6/4, mb1mx3.4/3, mbtmp3.4/4, Error

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res. Lists stations like FITZ, WRA, ASAR, and MKAR.

ISC 02 16:38:47.1, 0.3, 37.28N, 43.80E, h0km, ML3.5
CSEM 02 16:38:49.9, 1.0, 37.21N, 44.01E, h2km, ML3.5, Error

ellipse: s-maj=21.6km s-min=9.2km az=104.0
DDA 02 16:38:50.6, 37.24N, 43.92E, h7km, ML3.5, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res. Lists stations like Cukurca, WRA, ASAR, and MKAR.

ISC 02 16:52:08.1, 1.7, 37.46N, 44.01E, h2km, Error ellipse: s-maj=20.7km s-min=7.2km az=102.0

DDA 02 16:52:15.5, 1.1, 38.66N, 43.21E, h0km, mb3.4/3, mb1 3.3/5, mb1mx3.1/44, mbtmp3.2/5, ML3.1/2, Error

ellipse: s-maj=27.8km s-min=16.9km az=4.0
ISC 02 16:52:15.5, 38.72N, 43.03E, h19km, ML4.1, Error

ellipse: s-maj=3.5km s-min=2.9km az=151.0
ISCJB 02 16:52:16.9, 0.3, 38.72N, 43.02E, 0.02, h5km, 3km, mb3.2/3, Error

ellipse: s-maj=2.7km s-min=2.3km az=153.4
ISC 02 16:52:15.9, 1.0, 38.69N, 43.06E, 0.01, h10km, 7km, n127, c123/177, mb3.4/3, 7C-2AD, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res. Lists stations like Van, Tatvan, Bitlis, and Guroymak-BITLI.

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res. Lists stations like GEVA, ERICIS-VAN, ERV, and many others.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like QUBA, ATGJ, KBZ, BRTR, AKASG, KURBB, MKAR, CMAR.

IOC 02 16:52:25.6:2.0,6.91S:128.58E,h0km,mb3.4/1, mb1 3.7/4, mb1mx3.3/4, mbtmp3.5/4, ML3.6/3, Error ellipse: s-maj=9.1km s-min=27.2km az=74.0, Banda Sea

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

DDA 02 16:54:47.9,38.72N:43.48E,h5km,ML3.5 ISK 02 16:54:47.1,38.73N:43.44E,h5km,ML3.2

ISCJB 02 16:54:48.0:0.2,38.72N:43.48E,h0km,mb3.1/2, Error ellipse: s-maj=4.4km s-min=3.3km az=101.0

CSEM 02 16:54:48.2:0.2,38.72N:43.48E,h0km,mb3.5/2, Error ellipse: s-maj=4.4km s-min=3.3km az=101.0

ISC 02 16:54:48.9:0.6,38.72N:43.48E,h0km,mb3.6km, n5.8,180796, Turkey

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VANB, YVAN, TVAN, VMUR, ERV, GEVA, CLDR, BITLIS, ADCV, BASK, WRA, ASAR, STKA, MKAR, ZALV, KURBB, TOR, etc.

DJA 02 17:05:44.6:0.9,11.6:12.0E, h10km, M3.5/4, ML3.5/4, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MPSI, MRSI, PCI, AP5A.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like APSI, LUWI, LUMI.

ISCJB 02 17:13:19.6:0.8,41.14N:0.05:112.89W,0.09,h0km, Error ellipse: s-maj=9.9km s-min=7.0km az=9.5

NEIC 02 17:13:20.0:0.6,41.14N:112.90W,h0km,ML1.9, Error ellipse: s-maj=9.8km s-min=6.8km az=99.0, Suspected Mining explosion.

NEIC 78 km [48 miles] W of Ogdan. IOC 02 17:13:20.4:3.6,41.05N:112.71W,h0km,mb1 2.2/1, mb1mx2.2/39, mbtmp1.8/1, ML2.9/1, Error ellipse: s-maj=105.1km s-min=25.3km az=143.0

ISC 02 17:13:18.3:1.1,41.21N:0.04:112.89W,0.05,h0km,n14, o566/13, Utah

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BGU, SNUT, HVU, FPU, ML, DUG, HWUT, TCUT, HLID, PDD1, PDAR, PDAR, PDAR, IMW, I565, I10CA.

IOC 02 17:29:30.4:1.6,15.38S:174.16W,h0km,mb3.8/6, mb1 4.1/6, mb1mx3.8/32, mbtmp3.8/6, Error ellipse: s-maj=110.1km s-min=22.8km az=149.0, Tonga Islands

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

ISCJB 02 17:33:53.2:0.5,7.37S:0.07:120.62E,0.08,h529km,4km, mb3.6/6, Error ellipse: s-maj=13.4km s-min=10.0km

IOC 02 17:33:54.5:2.1,7.16S:120.80E,h526km,26km,mb3.3/7, mb1 3.4/9, mb1mx3.0/40, mbtmp4.1/9, Error ellipse: s-maj=171.2km s-min=13.6km az=60.0

DJA 02 17:33:56.6:0.6,7.37S:121.1E, n1, h499,6km, M3.4/10, ML3.4/10

ISC 02 17:33:53.8:0.7,7.39S:0.08:120.65E,0.09,h524km,7km, n21,1124/29,mb3.8/6,Flores Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BSSI, EDFI, MMRI, WSI, BBSI, BASI, PLAI, SPSI, TWSI, SOE, TTT, FITZ, WRA, ASAR, STKA, SONM, MKAR, ZALV, KURBB, TOR.

ISCJB 02 17:35:39.2:0.5,34.59N:104.41E:0.05,h10km, mb3.6/4, Error ellipse: s-maj=6.0km s-min=4.0km

IOC 02 17:35:39.4:1.1,34.53N:104.33E,h0km,mb3.5/5, mb1 3.6/6, mb1mx3.4/36, mbtmp3.5/6, ML3.2/1, Error ellipse: s-maj=78.5km s-min=18.9km az=58.0

BUI 02 17:35:41.8,34.56N:104.21E,h6km,ML3.6/15,Ms3.4/4, M57.3/2.2

ISC 02 17:35:41.9:0.8,34.58N:0.05:104.27E,0.06,h10km,n11, o491/17,mb3.8/4,Gansu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LZH, CD2, XAN, GTO, SONM, WMQ, MKAR, ZALV, KURBB, WRA.

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

CSEM 02 17:43:10.9,37.17N:22.00E,h2km,ML1.2/2, Error ellipse: s-maj=1.9km s-min=0.9km az=98.0, Southern Greece

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ITHOMI, PYLOS, METHONI, ARTEMIDA-MAKIS.

ISCJB 02 17:52:37.2:1.3,36.71N:0.07:71.2E,0.1,h10km, Error ellipse: s-maj=13.6km s-min=9.8km az=156.0

NNC 02 17:52:39.6:0.6,36.86N:71.04E,h0km,mb3.5,mpv3.1, Error ellipse: s-maj=45.2km s-min=22.6km az=164.0

ISC 02 17:52:37.8:1.2,36.65N:0.08:71.1E,0.1,h10km,n5, o1777/8,5C-1D,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DZET, THN, MNAS, KK31, AAK.

NIED 02 17:52:00.36:80N:140:60E,h5km,Mw3.8 Best double couple: M6.14000:1014 NP1:365.0000:827.00000, lambda=110.00000, NP2:36.197.00000,365.00000, lambda=80.00000

IOC 02 17:52:48.8:0.8,36.81N:140.64E,h0km,mb3.7/8, mb1 3.9/9, mb1mx3.7/36, mbtmp3.7/9, ML3.4/1, Error ellipse: s-maj=20.0km s-min=17.7km az=133.0

JMA 02 17:52:50.1,36.86N:140.57E,h5km,1km,M3.7 Broadband fault plane solution: P waves. NP1: 6.199.00000:368.00000:136.00000:NP2:36.00000:822.00000:lambda=99.00000:Principal axes: T:Plg23.00000, Azm286.00000:N:Plg4.00000,Azm18.00000:P:Plg67.00000,Azm116.00000

JMA Felt J1.1. ISC 02 17:52:50.2:1.1,36.85N:0.03:140.59E,0.04,h9km,7km, n27,o57/28,mb3.6/8,7C,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JHO, ONAJ, JSB, JYK, JYT, JYF, MJAR, MJAR, MAT, MAT, JAT, ASAJ, ASAJ, KRSR, SONM, H1N2, H1N1, H1N3, H1S1, H1S3, H1S2, ZALV, MKAR, ILAR, WRA, PDAR, TXAR, LPZA.

ISCJB 02 17:53:08.9:0.8,55.5S:0.3:128.9W,0.3,h10km,mb3.9/7, Error ellipse: s-maj=47.4km s-min=19.3km az=156.1

IOC 02 17:53:09.3:0.9,55.40S:129.01W,h0km,mb3.9/4, mb1 4.1/4, mb1mx3.9/22, mbtmp3.9/4, Error ellipse: s-maj=55.6km s-min=26.0km az=157.0

NEIC 02 17:53:10.5:0.4,55.34S:129.03W,h10km,mb4.5/4, Error ellipse: s-maj=25.4km s-min=12.8km az=156.0

ISC 02 17:53:10.6:0.9,55.3S:0.2:129.1W,0.2,h10km,n24, o560/18,mb3.9/7,1C,Pacific-Antarctic Ridge

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

ISCJB 02 17:53:08.9:0.8,55.5S:0.3:128.9W,0.3,h10km,mb3.9/7, Error ellipse: s-maj=47.4km s-min=19.3km az=156.1

IOC 02 17:53:09.3:0.9,55.40S:129.01W,h0km,mb3.9/4, mb1 4.1/4, mb1mx3.9/22, mbtmp3.9/4, Error ellipse: s-maj=55.6km s-min=26.0km az=157.0

NEIC 02 17:53:10.5:0.4,55.34S:129.03W,h10km,mb4.5/4, Error ellipse: s-maj=25.4km s-min=12.8km az=156.0

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





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Barrett, Blythe, Pinyon Flats, Wickenburg, Catalina I, Santa Nicolas Is.

IDC 02 18:51:12.5-1.6, 19.015x175.66E, h0km, mb3.8/6, mb1 4.1/7, mb1mx3.8/25, mbtmp3.9/7, ML4.1/1, MS3.2/2, Ms1 3.2/2, ms1mx2.9/34, Error ellipse: s-maj=44.0km s-min=32.7km az=167.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Mont Dzumac, Urewera, Stephens Creek, Alice Springs, Fitzroy Cross, Chiang Mai Arr, Lajitas Array.

JSN 02 18:52:00.5-1.6, 17.69N-78.70W, h0km, md4.0, 4D, Jamaica region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Malvern, Montego Bay, Portland Cotta, Bamboo Saint A, Stony Hill, Greenwich, Castle Mountai.

TRN 02 18:55:59.5, 10.33N-62.19W, h8km, MD3.5, 1C, Near coast of Venezuela

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Chacachacare, Trinidad (W), Brigand Hill, Speyside, Mount Saint Ca.

JMA 02 18:57:23.8-0.3, 43.58N-147.23E, h22km, 4km, M3.5 SKHL 02 18:57:24.1-0.5, 43.75N-147.36E, h40km, 5km, mb3.9/2

ISC 02 18:57:23.0-2.5, 43.73N-147.50E, h35km, 6km, n10, c083/19, 1D, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Shokotan, Yuzh-Kuril'sk, Nemuro 2, Kuril'sk, Nemuro 2, Kuril'sk, Rausu, Nakash, Akkeshi, Ashorito-Toko, Ashoributo, Churui.

IDC 02 19:01:27.8-0.5, 9.88N-84.77W, h0km, mb4.7/32, mb1 4.8/36, mb1mx4.7/51, mbtmp4.7/36, ML3.5/3, MS5.0/39, Ms1 5.0/39, ms1mx4.9/47, Error ellipse: s-maj=17.6km s-min=9.2km az=56.0

CASC 02 19:01:30.4-1.9, 9.53N-84.92W, h20km, 8km, MD4.2, ML4.7, mb5.4(NEIC)

MOS 02 19:01:32.0-1.2, 9.88N-84.67W, h33km, mb5.3/7, Error ellipse: s-maj=10.2km s-min=5.1km az=109.9

NEIC 02 19:01:33.4-0.2, 9.75N-84.75W, h35km, MW5.4, Error ellipse: s-maj=5.0km s-min=2.8km az=211.0, Moment Tensor Solution: s27 Moment tensor: Scale 1017Nm; Mn:1.24, M0:1.33, M0:0.09, M0:0.54, M0:0.42, M0:0.48; Best double couple: M:1.50000x1017 NP1:0.119, 0.00000, 0.59, 0.00000, lambda:105, 0.00000, NP2:0.271, 0.00000, 0.834, 0.00000, lambda:66, 0.00000. Principal axes: T:1.4700, P1:0.0000, Azm64.0000; N:0.1200, P1:0.0000, Azm291.0000; P:-1.5900, P1:0.0000, Azm198.0000;

NEIC Felt [V] at Nandayera and Puntarenas; [IV] at Jaco, Nicoya and Paquera; [III] at San Jose and Santa Ana; [II] at Alajuela, Atenas and Escazu. Also felt at Asuncion, Buenos Aires, Colon, Curridabat, Grecia, Guadalupe, Guacacoma, Heredia, Parrita, Quesada, Sabanita, San Isidro, Santiago, Santo Domingo, Samara and Turrialba. Felt at Volcan, Panama.

GCMT 02 19:01:33.4-0.1, 9.50N-84.91W, h22km, MW5.4/127, Moment Tensor Solution. s102,c169; s127,c220; Duration: 1s3 Moment tensor: Scale 1017Nm; Mn:1.43e+03; M0:1.14e+02; M0:0.28e+02; M0:0.82e+04; M0:0.67e+02; M0:0.62e+04; Best double couple: M:1.79500x1017 NP1:0.124, 0.00000, 0.63, 0.00000, lambda:795, 0.00000, NP2:0.293, 0.00000, 0.828, 0.00000, lambda:1, 0.00000. Principal axes: T:1.7610, P1:0.0000, Azm45.0000; N:0.0750, P1:0.0000, Azm301.0000; P:-1.8290, P1:0.0000, Azm12.0000; n271 refers to body waves, cutoff=50.

ISCJB 02 19:01:34.4-0.3, 9.94N-0.02-84.64W-0.02, h57km, 3km, mb4.8/53, MS5.1/49, Error ellipse: s-maj=4.9km s-min=2.5km az=39.6

BUJ 02 19:01:34.9, 10.37N-84.94W, h47km, mb5.4/29, MS5.7/28,

M57 5.4/28

ISC 02 19:01:34.8-0.6, 9.94N-0.04-84.79W-0.04, h53km, 5km, n1000, c162/1018, mb4.8/56, MS5.1/49, 13C-13D, Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Cerro Gallo 2, Quepos, Heredia, Escuela Geolog, Arenal 1, Vista de Mar, Urasca, Buena Vista, Volcan Turrial, Volcan Turrial, Los Chiles, Tortuguero, La Cruz, Puerto Jim'ne, Volcan, Gruta Xavier, Copaltele, Copaltele, Mometombo, Mometombo, Coco Island, Isla Barro Col, Isla Barro Col, Tegucigalpa, Un, Fara, Serv Nac Est T, Malpelo, Capurgana, Monteria, Cord, Isla Barro Col, San Jacinto C, San Jos' del, Comitan, Santa Helena, Santa Helena, Zaragoza, Cauca, Guyana, Colomb, Norcasia, Popayan, Colom, Tepich, Dandenham, Cumbal, La Cruz, Barranca, Sant, Otavalo, El Rosal, Malpelo, El Rosal, Betania, Giric, Giric, Barchichara, Pamplona, Colo, La Rusia, La Rusia, MWIG, Matias Romero, Villaviecnico, Urbila, Colomb, Yopal, Colomb, Vista Hermosa, Guanantamo Bay, San Jose, Santo Domingo, SDV, SDV, Laguna Verde, Tlaga, Presh de Saban, Atahualpa, ATAH, ATAH, JMOG, JMOG, AGP, PCRV, PCRV, PCRV, San Juan, San Juan, San Juan, San Juan, Col San Antoni, Port Sulphur, Chauvin, Monte Pirata, Linares, Harjill, Edgard, Sildell, Encino, Luceadela, Bay Minette, St. Martinville, Zaic, Zaic, Poplarville, Brewton, Amite, Morse, Pine Grove, Tifton, Tifton, Helbronville, Jackson, Jackson, Saraland, Pine Grove, Port Lavaca, Delano Plantat, Benavides, Rosharon.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Big Creek Wild, Thompson Farm, Mamou, Vidor, Beeville, Beeville, Cross D Ranch, Westbrook Farm, Circle Diamond, Circle Diamond, DeRidder, Vidalia, Eagle Lake, Laredo, DeRidder, Kuitman, Jackson Lee, B, Kirbyville, Kenedy, Kenedy, Hockley, Hockley, Flaggon Creek P, Little Ap, St, Harpers Horsep, Smothers Creek, Smothers Creek, Grenville, Nana, Nana, Kurthwood, Avery, Jackson, Waterproof, Center Grove, Green Hill Far, Vicksburg, Vicksburg, Chaparral WMA, Livingston, Nana, Sam Houston St, Brocken, Grayson, Houston Renfro, Bastrap, Bastrap, LRAL, Huntington, Alexander Plac, Nao Toy, Goldon, Phantom Ranch, Carrollton, GOGA, GOGA, GOGA, Crockett, Monroe, New Hope, Soc's Landing, Louisville, Northport, Hunter Patters, Wall Ranch, GAO, Nacodoches, Nacodoches, Centerville, Winona, Papa Simpson, Pea Ridge, Bel, Jarrell, Armstrong Farm, Jacksonvill, Cam and Jess, UCPARC, Winif, Riesel, Houston, Norrel Spur, Washetta, Mont, Yeager Farm, Bunkhouse Ranc, Hodge, Richland Creek, Strider, Charl, Jenkinsville, Jenkinsville, Katherine and, Matatal Enter, Nacodoches and Ka, Long Farm, Mag, Garnett, Star.

27d 19h

137A	Heron Place, G	25.00 338	P	P	19 06 52.2 -1.5
CCAR	Cane Creek Junction City	25.00 346	eP	P	19 06 53.6 -0.1
JCT	Junction City	25.02 328	eP	P	19 06 52.6 -1.4
JCT	Junction City	25.02 328	eP	P	19 06 52.2 -1.8
X45A	UM Field Stati	25.03 351	P	P	19 06 52.5 -1.5
Z39A	Irene McRaven,	25.03 341	P	P	19 06 52.9 -1.1
OXF	Oxford	25.12 351	eP	P	19 06 53.6 -1.2
OXF	Oxford	25.12 351	eP	P	19 06 53.6 -1.2
WLAR	White Oak Lake	25.13 343	eP	P	19 06 54.7 -0.1
WHTX	Lake Whitney	25.15 334	eP	P	19 06 53.4 -1.7
WHTX	Lake Whitney,	25.15 334	eP	P	19 06 53.6 -1.5
Y41A	Eaglette Beard	25.18 345	P	P	19 06 53.9 -1.4
136A	Ennie	25.18 336	P	P	19 06 54.0 -1.4
X44A	Crenshaw	25.23 350	P	P	19 06 53.5 -2.2
BG3	Lake Jocassee	25.29 4	eP	P	19 06 57.0 +0.6
Z38A	Mt. Pleasant	25.32 340	P	P	19 06 55.3 -1.2
X43A	Marvell	25.38 348	P	P	19 06 55.9 -1.3
PLAL	Pickwick Lake	25.40 354	eP	P	19 06 55.8 -1.6
SWET	Sewanee	25.48 358	eP	P	19 06 57.3 -0.8
Y40A	Okolona	25.48 343	P	P	19 06 56.7 -1.4
Z37A	Pogue Cattle C	25.48 339	P	P	19 06 56.9 -1.2
X42A	Stuttgart	25.58 347	P	P	19 06 57.5 -1.4
KM5C	Kings Mountain	25.58 7	P	P	19 06 59.0 +0.1
KM5C	Kings Mountain	25.58 7	eP	P	19 06 59.1 +0.1
Y39A	Lockesburg	25.65 342	P	P	19 06 58.4 -1.2
CPCT	Cooper Cave	25.69 1	eP	P	19 06 59.9 -0.1
W45A	Hickory Valley	25.72 352	P	P	19 06 58.3 -1.9
X41A	Kaden, Bauxite	25.73 345	P	P	19 06 58.5 -1.8
W44A	Shelby Farms P	25.80 351	P	P	19 06 59.2 -1.7
X40A	Basin Creek Fa	25.81 345	P	P	19 06 59.5 -1.6
Y38A	Idabel	25.84 341	P	P	19 07 00.7 -0.7
Z36A	Blue Ridge	25.85 337	P	P	19 07 01.1 -0.4
W43A	Forest City	25.90 349	P	P	19 07 00.3 -1.6
TKL	Tuckaleechee C	25.92 2	P	P	19 07 01.4 -0.7
TKL	Tuckaleechee C	25.92 2	P	P	19 07 13.0
TKL	Tuckaleechee C	25.92 2	P	P	19 07 01.6 -0.4
TKL	Tuckaleechee C	25.92 2	P	P	19 07 01.6 -0.4
UALR	University of	25.96 346	P	P	19 07 01.6 -0.7
MIAR	Mount Ida	26.07 343	eP	P	19 07 01.8 -1.6
MIAR	Mount Ida	26.07 343	eP	P	19 07 02.2 -1.2
MIAR	Mount Ida	26.07 343	eP	P	19 07 02.1 -1.2
HPIG	Mountain	26.17 314	eP	P	19 07 05.2 +0.5
X39A	Mountain Ranch	26.19 342	P	P	19 07 03.2 -1.3
Y37A	Hugo	26.19 339	P	P	19 07 03.2 -1.3
W42A	Bald Knob	26.25 347	P	P	19 07 03.1 -1.9
W45A	Humboldt	26.26 352	P	P	19 07 03.2 -1.9
W41B	Gary Mavity, V	26.31 346	P	P	19 07 04.0 -1.6
LTX	Lajitas	26.39 321	eP	P	19 07 05.9 -0.6
LTX	Lajitas	26.39 321	eP	P	19 10 32.4 -0.6
LTX	Lajitas	26.39 321	eP	P	19 10 32.4 -0.6
TX31	Lajitas Ar. Si	26.39 321	eP	P	19 07 04.9 -1.6
TXAR	Lajitas Arroy	26.39 321	P	P	19 07 05.8 -0.7
TXAR	Lajitas Arroy	26.39 321	P	P	19 10 32.4 +1.2
X301	Greenbrier Sit	26.41 346	eP	P	19 07 05.5 -1.0
WHAR	Woolly Hollow	26.43 346	eP	P	19 07 05.5 -1.2
V44A	Blytheville	26.48 351	P	P	19 07 05.1 -2.0
WVT	Waverly	26.52 354	eP	P	19 07 05.8 -1.6
WVT	Waverly	26.52 354	eP	P	19 07 05.8 -1.6
W40A	Ferguson Farm,	26.54 345	P	P	19 07 06.0 -1.6
W40A	Ferguson Farm,	26.54 345	P	P	19 07 07.4 -0.2
X38A	Whitesboro	26.56 341	P	P	19 07 06.2 -1.6
Y35A	Marietta	26.65 337	P	P	19 07 07.2 -1.4
X37A	Clayton	26.66 340	P	P	19 07 06.7 -2.1
ABTX	Abilene, Hawle	26.68 331	P	P	19 07 07.1 -1.8
ABTX	Abilene, Hawle	26.68 331	P	P	19 07 06.8 -2.1
V42A	Cord	26.73 348	P	P	19 07 07.1 -2.3
W39A	Magazine	26.73 343	P	P	19 07 07.9 -1.5
PTGA	Pitting	26.77 111	P	P	19 07 11.4 +1.3
PTGA	Pitting	26.77 111	P	P	19 07 11.4 +1.3
W38A	Poteau	26.83 342	P	P	19 07 08.5 -1.8
U45A	Rockin P Farm,	26.83 353	P	P	19 07 08.6 -1.7
U41B	Mountainview	26.88 347	P	P	19 07 09.0 -1.7
V44A	Burton Farm, H	26.90 352	P	P	19 07 09.3 -1.6
X36A	Centrahoma	26.98 339	P	P	19 07 11.5 -0.1
V40A	Witts Springs	27.05 346	P	P	19 07 10.7 -1.6
X35A	Drake	27.06 337	P	P	19 07 10.4 -1.9
U43A	Rector	27.09 350	P	P	19 07 10.9 -1.8
U44A	Portageville	27.11 351	P	P	19 07 11.4 -1.4
W37B	Quinton	27.18 341	P	P	19 07 11.1 -2.3
U42A	Reviden	27.23 349	P	P	19 07 11.9 -2.0
V39A	Pettigrew	27.30 344	P	P	19 07 12.8 -1.7
U41A	Viola	27.36 340	P	P	19 07 13.0 -2.1
W36A	Wetumka	27.45 339	P	P	19 07 13.4 -2.4
PBMO	Poplar Bluff	27.50 350	eP	P	19 07 14.8 -1.5
V38A	Canehill	27.53 343	P	P	19 07 14.4 -2.2
U40A	Yellville	27.59 346	P	P	19 07 15.7 -1.4
T44A	Benton	27.67 352	P	P	19 07 16.3 -1.5
W35A	Tecumseh	27.69 338	P	P	19 07 15.6 -2.4
U39A	Green Forest	27.77 345	P	P	19 07 16.9 -1.8
T43A	Greenville	27.77 351	P	P	19 07 17.0 -1.7
V37A	Hulbert	27.77 342	P	P	19 07 16.4 -2.3
HHAR	Hobbs	27.80 344	eP	P	19 07 17.6 -1.3
V36A	Jenks	27.94 340	P	P	19 07 18.0 -2.2
T41A	Mountain View	28.00 348	P	P	19 07 18.9 -1.9
TUL1	Leonard	28.00 341	P	P	19 07 18.6 -2.0
TUL1	Leonard	28.00 341	P	P	19 07 18.8 -2.2
U38A	Gravette	28.07 343	P	P	19 07 19.1 -2.2
WMOK	Wichita Mounta	28.07 335	P	P	19 07 21.2 -0.3

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S45A	Carrier Mills	28.12 354	P	P	19 07 20.0 -1.8
S43A	Fulton Ridge,	28.22 351	P	P	19 07 20.5 -2.2
S44A	Carbondale	28.22 352	P	P	19 07 21.2 -1.5
V35A	Meyer Ranch, C	28.23 339	P	P	19 07 20.0 -2.8
U37A	Salina	28.25 342	P	P	19 07 20.6 -2.4
LP1G	La Paz	28.27 304	P	P	19 07 21.6 -1.6
LP1G	La Paz	28.27 304	P	P	19 07 21.6 -1.6
T40A	Mansfield	28.27 347	P	P	19 07 21.6 -1.6
T39A	Cleveland	28.35 345	P	P	19 07 21.7 -2.2
SAML	Samuel	28.35 130	eP	P	19 07 23.6 -0.4
U36A	Oologah	28.43 341	P	P	19 07 22.1 -2.4
WCI	Wyandotte Cave	28.50 358	eP	P	19 07 24.1 -1.0
WCI	Wyandotte Cave	28.50 358	eP	P	19 07 24.1 -1.0
S41A	Jillico Farms,	28.53 348	P	P	19 07 23.3 -2.1
S42A	Caledonia	28.53 350	P	P	19 07 23.0 -2.4
URVA	University of	28.57 12	eP	P	19 07 24.7 -1.1
T38A	Diamond	28.60 344	P	P	19 07 24.0 -2.0
JSRW	J. Sargeant Re	28.62 11	eP	P	19 07 25.5 -0.7
FVM	French Village	28.68 351	eP	P	19 07 25.1 -1.7
FVM	French Village	28.68 351	eP	P	19 07 25.1 -1.7
S40A	Lebanon	28.69 347	P	P	19 07 24.8 -2.1
U35A	Pawnee	28.74 340	P	P	19 07 24.9 -2.4
R44A	Waltonville	28.75 353	P	P	19 07 25.7 -1.6
IP07	Quail	28.81 11	eP	P	19 07 28.1 +0.2
IP06	Yancyville	28.83 11	eP	P	19 07 28.1 +0.1
T37A	Cheneyville 18	28.86 343	P	P	19 07 26.1 -2.2
IP01	Cuckoo	28.87 11	eP	P	19 07 28.9 +0.5
CCM	Cathedral Cave	28.88 349	eP	P	19 07 26.6 -2.0
CCM	Cathedral Cave	28.88 349	eP	P	19 07 26.6 -2.0
R43A	Red Bud	28.89 352	P	P	19 07 27.1 -1.5
IP03	Louisa	28.91 11	eP	P	19 07 29.0 +0.2
IP04	Greensprings	28.96 11	eP	P	19 07 29.2 -0.1
S39A	Bolivar	28.97 346	P	P	19 07 27.3 -2.1
CVRD	Centerville R	29.00 11	eP	P	19 07 29.8 +0.3
R42A	Luebbering	29.02 350	P	P	19 07 27.7 -2.1
S38A	Merced	29.06 345	P	P	19 07 27.7 -2.4
PTRD	Partlow Road	29.08 12	eP	P	19 07 31.0 +0.7
T36A	Boggs Farm, Ca	29.09 342	P	P	19 07 28.1 -2.3
MNTX	Corudas Mount	29.10 322	P	P	19 07 29.5 -1.1
MNTX	Corudas Mount	29.10 322	P	P	19 07 29.3 -1.3
OLIL	Olney	29.12 355	eP	P	19 07 29.6 -1.0
R41A	Rosebud	29.14 349	P	P	19 07 28.7 -2.1
T35A	Sooner Cattle	29.16 340	P	P	19 07 28.6 -2.5
R40A	Maddies Statio	29.31 348	P	P	19 07 30.2 -2.1
MSTX	Muleshoe	29.31 328	P	P	19 07 30.5 -2.0
MSTX	Muleshoe	29.31 328	P	P	19 07 30.4 -2.1
Q44A	Meyer Farm, Va	29.39 353	P	P	19 07 31.2 -1.8
S37A	Fort Scott	29.43 344	P	P	19 07 31.5 -1.9
T34A	McClaskey Farm	29.48 340	P	P	19 07 31.6 -2.3
R39A	Chumby, Stover	29.50 347	P	P	19 07 32.0 -2.0
Q43A	New Douglas	29.51 352	P	P	19 07 32.0 -2.1
U32A	Winter Ranch,	29.58 336	P	P	19 07 32.5 -2.4
R38A	Fenwick Farm,	29.58 345	P	P	19 07 32.7 -2.1
Q42A	Golden Eagle	29.60 351	P	P	19 07 33.5 -1.4
S36A	Lake Cedric, C	29.61 342	P	P	19 07 32.5 -2.5
P47A	Martinsville	29.75 358	P	P	19 07 34.1 -2.2
Q41A	Truxton	29.75 350	P	P	19 07 34.7 -1.6
S35A	Otter Creek Ra	29.79 341	P	P	19 07 34.4 -2.3
P44A	Sand Creek, Wi	29.90 354	P	P	19 07 35.9 -1.6
P46A	Rosedale	29.93 356	P	P	19 07 36.4 -1.4
R37A	Teagarden Farm	29.94 344	P	P	19 07 35.9 -2.2
Q40A	Laux Farm, Aux	29.95 349	P	P	19 07 35.9 -2.2
S34A	Willow Spring	30.07 340	P	P	19 07 37.2 -1.9
R36A	Gordon, Harris	30.14 343	P	P	19 07 38.0 -1.7
P43A	Skaggs, Pawnee	30.17 353	P	P	19 07 38.3 -1.6
Q39A	Willow Grove F	30.18 347	P	P	19 07 38.2 -1.9
MCWV	Mont Chateau	30.22 8	eP	P	19 07 40.6 +0.2
P42A	Winchester	30.23 351	P	P	19 07 38.2 -2.3
Q38A	Cooks Store, C	30.25 346	P	P	19 07 38.7 -2.0
Q37A	Longview Farm,	30.37 345	P	P	19 07 39.9 -1.9
P41A	Barry, Barry	30.43 350	P	P	19 07 39.7 -2.5
P40A	Paris	30.46 349	P	P	19 07 40.7 -1.8
SD					

W18A	Petrified Fore	34.09 322	eP	P	19 08 15.7 +1.1
J39A	Decorah	34.11 351	P	P	19 08 12.4 -2.1
214A	Organ Pipe Nat	34.15 315	P	P	19 08 16.3 +1.2
K35A	Storm Lake	34.20 346	P	P	19 08 13.2 -2.1
J38A	Wedel Dairy, R	34.22 350	P	P	19 08 13.2 -2.2
I43A	Langelied Bro	34.24 356	P	P	19 08 13.4 -2.2
L32A	Elgin	34.27 342	P	P	19 08 14.2 -1.7
I42A	Draeger Farm,	34.31 355	P	P	19 08 14.1 -2.1
TRY	Troy	34.37 15	eP	P	19 08 17.9 +1.1
J37A	Redenius Farm,	34.40 349	P	P	19 08 15.0 -2.0
Q24A	Divide	34.42 331	P	P	19 08 16.2 -1.4
I40A	Norwalk	34.50 353	P	P	19 08 15.7 -2.1
I41A	Arkdale	34.57 354	P	P	19 08 16.1 -2.3
J36A	Seneca 1, Swea	34.58 348	P	P	19 08 16.9 -1.6
I39A	Houston	34.59 351	P	P	19 08 16.2 -2.4
SIV	San Ignacio	34.64 137	P	P	19 08 19.6 +0.2
SIV	comp=Z,10m,1.3s,baz=292,slow=5.9,SNR=3.5				19 10 53.3 +0.4
SIV	comp=Z,3um,18.2s,baz=320,slow=38				19 23 37.2
X16A	Lo Mia Camp, P	34.70 319	eP	P	19 08 21.0 +1.1
OGNE	Ogallala	34.72 337	P	P	19 08 18.4 -1.5
OGNE	Ogallala	34.72 337	eP	P	19 08 19.5 -0.3
H43A	Windswept, Lux	34.80 356	P	P	19 08 18.6 -1.7
J35A	Milford	34.81 347	P	P	19 08 18.4 -2.0
MVCO	Mesa Verde	34.82 326	P	P	19 08 20.6 -0.3
K32A	Vedrigde	34.86 343	P	P	19 08 18.9 -2.3
I38A	Scanlan Farm,	34.89 350	P	P	19 08 18.9 -2.3
J34A	George	34.91 346	P	P	19 08 19.2 -2.1
ACCK	Adirockack Com	34.99 14	eP	P	19 08 21.9 -0.2
I37A	Lemond, Waseca	35.05 349	P	P	19 08 20.4 -2.2
K31A	O'Neill	35.06 342	P	P	19 08 21.0 -1.7
H41A	Junction City	35.10 354	P	P	19 08 21.5 -1.5
I36A	Fitzsimmons Fa	35.18 348	P	P	19 08 21.1 -2.6
H40A	Chili	35.19 353	P	P	19 08 21.9 -1.9
J33A	Davis	35.19 345	P	P	19 08 22.0 -1.8
I35A	Creekview Farm	35.22 347	P	P	19 08 22.3 -1.7
I13A	Mohawk Valley,	35.27 315	eP	P	19 08 25.8 +1.1
ISCO	Idaho Springs	35.30 332	eP	P	19 08 24.3 -0.9
ISCO	Idaho Springs	35.30 332	eP	P	19 08 24.3 -0.9
SADO	Sadowa	35.34 7	P	P	19 08 23.6 -1.4
SADO	Sadowa	35.34 7	eP	P	19 08 24.0 -1.1
WU4Z	Wupatki	35.35 321	P	P	19 08 26.2 +0.7
H39A	Augusta	35.36 352	P	P	19 08 23.4 -1.8
Y14A	Wickenburg	35.43 317	eP	P	19 08 26.8 +0.8
SMCC	Snowmass	35.48 320	eP	P	19 08 26.3 -0.3
ECSA	EROS Data Cent	35.49 345	P	P	19 08 24.5 -1.8
ECSA	EROS Data Cent	35.49 345	eP	P	19 08 24.3 -2.0
H38A	Malden Rock	35.50 351	P	P	19 08 23.6 -2.9
PV01	Paradox Valley	35.52 327	eP	P	19 08 27.2 +0.2
G43A	Wallace	35.58 356	P	P	19 08 24.4 -2.7
I34A	Hadley	35.59 346	P	P	19 08 25.5 -1.8
G42A	Mountain	35.61 356	P	P	19 08 25.3 -2.0
LVC	Limon Verde	35.63 154	P	P	19 08 29.4 +1.3
LVC	comp=Z,20m,0.8s,baz=326,slow=7.4,SNR=2.6				19 23 26.5
LVC	Limon Verde	35.63 154	eP	P	19 08 30.9 +2.8
G41A	Antigo	35.65 355	P	P	19 08 25.2 -2.5
J31A	Geddes	35.67 342	P	P	19 08 25.7 -2.2
H36A	Jessenland, He	35.70 349	P	P	19 08 26.0 -2.1
PV05	Paradox Valley	35.73 326	eP	P	19 08 28.5 -0.7
G40A	Rib Lake	35.80 353	P	P	19 08 26.7 -2.4
FLV0	Plevna	35.89 9	eP	P	19 08 29.2 -0.6
F45A	CMU Biological	35.92 359	P	P	19 08 27.8 -2.2
G38A	Ridgeland	35.92 351	P	P	19 08 27.4 -2.6
G39A	Holcombe	35.94 352	P	P	19 08 27.7 -2.5
L0NY	Lake Ozonia	35.95 12	eP	P	19 08 30.2 -0.1
PV10	Paradox Valley	35.95 327	eP	P	19 08 30.0 -0.7
I32A	Karley and Nic	35.98 344	P	P	19 08 28.9 -1.7
H35A	Sunnyside Ranc	35.99 348	P	P	19 08 28.1 -2.6
F46A	Macinaw City C	36.01 0	P	P	19 08 28.6 -2.1
PV09	Paradox Valley	36.09 327	eP	P	19 08 31.9 0.0
F43A	Flat Rock, Esc	36.12 357	P	P	19 08 29.6 -2.1
SPMN	Marine on St.	36.12 350	P	P	19 08 29.5 -2.3
SPMN	Marine on St.	36.12 350	eP	P	19 08 30.1 -1.7
F41A	Three Lakes	36.16 355	P	P	19 08 29.8 -2.3
H34A	Spellman Lake,	36.17 347	P	P	19 08 30.3 -1.9
GLA	Glamis	36.17 315	P	P	19 08 33.7 +1.3
GLA	Glamis	36.17 315	eP	P	19 08 33.8 +1.3
GLA	Glamis	36.17 315	eP	P	19 08 33.8 +1.3
F44A	Big Bay de Noc	36.23 358	P	P	19 08 30.2 -2.5
N23A	Red Feather La	36.33 332	P	P	19 08 32.9 -1.0
N23A	Red Feather La	36.33 332	eP	P	19 08 33.4 -0.6
Y12C	Blythe	36.35 316	P	P	19 08 35.2 +1.3
Y12C	Blythe	36.35 316	eP	P	19 08 35.9 +2.0
PDMCI	Parker Dam,Lak	36.41 317	P	P	19 08 34.8 +0.5
H33A	Prehn Over Nor	36.41 346	P	P	19 08 31.6 -2.7
PHWY	Pilot Hill	36.44 333	eP	P	19 08 33.8 -1.1
F40A	Park Falls	36.44 354	P	P	19 08 31.9 -2.5
U15A	North Rim	36.51 321	eP	P	19 08 36.6 +1.0
F39A	Loretta	36.53 353	P	P	19 08 32.6 -2.6
F37A	Hinrichs Farm,	36.58 351	P	P	19 08 32.1 -3.5
E45A	Wooded Hills,	36.59 360	P	P	19 08 33.7 -2.0
E43A	Lone Tree Farm	36.66 357	P	P	19 08 34.2 -2.1
G34A	Genson	36.69 347	P	P	19 08 34.5 -2.0
F38A	Pierce - Schro	36.70 352	P	P	19 08 33.7 -3.0
W13A	Hualapai Mount	36.70 318	eP	P	19 08 38.5 +1.3
E42A	Champion	36.76 356	P	P	19 08 35.0 -2.2
SUSD	Miller	36.78 343	P	P	19 08 35.5 -2.0

SWSC	Sam W. Stewart	36.80 314	P	P	19 08 39.4 +1.6
G33A	Ortonville	36.82 346	P	P	19 08 35.0 -2.7
O20A	White River Ci	36.84 329	P	P	19 08 37.9 -0.3
E44A	Grand Marais A	36.86 359	P	P	19 08 36.5 -1.5
F36A	Milaca	36.86 350	P	P	19 08 35.1 -3.0
IKP	In-Ko-Pah, Jac	36.87 313	P	P	19 08 40.2 +1.8
E40A	Wakefield	36.84 354	P	P	19 08 36.3 -2.3
E39A	Mellen	36.94 353	P	P	19 08 36.6 -2.2
BC3	Big Chuckawall	36.94 315	P	P	19 08 40.4 +1.3
NEE2	Needles Airpor	37.00 317	P	P	19 08 40.7 +1.3
IRM	Iron Mountain	37.01 316	P	P	19 08 40.7 +1.2
F35A	Swarville	37.05 349	P	P	19 08 37.5 -2.2
F34A	Alexandria	37.13 348	P	P	19 08 38.5 -1.9
G32A	Webster	37.14 345	P	P	19 08 38.6 -1.8
WVL	Waterville	37.17 18	eP	P	19 08 41.5 +0.8
PKCU	Pink Cliffs	37.19 323	eP	P	19 08 42.4 +1.1
KNB	Knab	37.21 322	eP	P	19 08 42.8 +1.4
KNB	Knab	37.21 322	eP	P	19 08 42.8 +1.4
MONPZ	Monument Peak	37.22 313	P	P	19 08 42.4 +0.8
E38A	The Farm, Brul	37.29 352	P	P	19 08 39.5 -2.1
SRU	San Rafael Swe	37.29 326	eP	P	19 08 41.7 -0.3
SRU	San Rafael Swe	37.29 326	eP	P	19 08 41.7 -0.3
BAR	Barrett	37.30 313	eP	P	19 08 43.1 +1.1
E37A	Wrenshall	37.37 351	P	P	19 08 40.2 -2.1
F33A	5 Mile Ranch,	37.40 347	P	P	19 08 40.9 -1.7
D41A	Chassel	37.43 356	P	P	19 08 40.7 -2.1
E36A	McGregor	37.45 350	P	P	19 08 40.9 -2.1
LCMT	Little Creek M	37.47 321	eP	P	19 08 44.8 +1.2
TRQ	Mont Tremblant	37.49 12	eP	P	19 08 42.0 -1.4
MTPU	Mount Pierson	37.50 323	eP	P	19 08 44.5 +0.5
P18A	Preston Nutter	37.51 327	eP	P	19 08 43.4 -0.6
BELC	Belle Mttn, Jos	37.51 315	P	P	19 08 45.3 +1.4
Q16A	Castle Valley	37.51 325	eP	P	19 08 44.3 +0.4
XPFO	Pionon Flat	37.62 314	eP	P	19 08 46.5 +1.7
PFO	Pionon Flats O	37.63 314	P	P	19 08 43.3 -1.6
PFO	comp=Z,29m,1.0s,baz=114,slow=9.1,SNR=18				19 27 16.5
PFO	Pionon Flats O	37.63 314	P	P	19 08 46.3 +1.4
PFO	Pionon Flats O	37.63 314	eP	P	19 08 46.4 +1.6
PFO	Pionon Flats O	37.63 314	eP	P	19 08 46.4 +1.6
E35A	Pequot Lakes	37.69 349	P	P	19 08 43.4 -1.7
GMRC	Granite Mounta	37.71 316	P	P	19 08 46.9 +1.4
109C	Camp Elliot, M	37.72 313	P	P	19 08 46.3 +0.9
SZCU	Shurtz Canyon	37.75 322	eP	P	19 08 46.9 +1.0
E34A	Wadena	37.80 348	P	P	19 08 44.2 -1.8
CCUT	Cedar City	37.89 322	eP	P	19 08 47.3 +0.2
PKME	Peaks-Kenny Pk	37.92 18	eP	P	19 08 47.2 +0.2
D37A	Cotton	37.95 352	P	P	19 08 44.9 -2.4
K22A	Casper	37.99 334	P	P	19 08 46.6 -1.2
K22A	Casper	37.99 334	eP	P	19 08 47.3 -0.6
D36A	Goodland	38.08 351	P	P	19 08 46.6 -1.7
D35A	Remer	38.14 350	P	P	19 08 45.8 -3.0
MURC	Murrieta	38.14 314	P	P	19 08 50.6 +1.4
HEC	Hector,Ludlow	38.20 316	P	P	19 08 51.1 +1.5
RSSD	Black Hills	38.20 337	P	P	19 08 48.3 -1.3
RSSD	Black Hills	38.20 337	eP	P	19 08 49.8 +0.2
RSSD	Black Hills	38.20 337	eP	P	19 08 49.8 +0.2
TUQ	Turquoise Moun	38.26 317	P	P	19 08 50.7 +0.5
E32A	Braten, Kindr	38.29 346	P	P	19 08 47.9 -2.2
C39A	Grand Marais	38.32 354	P	P	19 08 48.0 -2.3
C38A	Sawbill Land,	38.34 353	P	P	19 08 48.3 -2.3
D34A	Park Rapids	38.35 349	P	P	19 08 49.6 -1.1
SHPR	Sheep Range	38.37 319	eP	P	19 08 51.9 +0.7
E31A	Nome	38.45 345	P	P	19 08 50.0 -1.4
C37A	Embarrass	38.47 352	P	P	19 08 49.0 -2.6
MPU	Maple Canyon	38.53 326	eP	P	19 08 51.7 -0.8
D33A	AnnSam, Waubun	38.54 348	P	P	19 08 49.3 -2.9
C36A	Pine Crest Far	38.61 351	P	P	19 08 49.9 -2.7
EYMN	Ely	38.60 353	P	P	19 08 49.7 -3.0
C35A	Jirik Farms, M	38.72 350	P	P	19 08 50.7 -3.1
NLU	North Lily Min	38.74 326	eP	P	19 08 54.5 +0.3
SHOC	Shoshone, Teco	38.75 317	P	P	19 08 55.1 +0.9
GSC	Goldstone, Bar	38.78 316	P	P	19 08 55.6 +1.1
GSC	Goldstone, Bar	38.78 316	eP	P	19 08 55.9 +1.4
GSC	Goldstone, Bar	38.80 314	P	P	19 08 56.0 +1.2
BFSC	Mount Baldy Ra	38.80 314	P	P	19 08 56.6 +1.9
SF2	San Clemente I	38.81 312	P	P	19 08 59.4 +4.5
PSUT	Pine Spring	38.81 323	eP	P	19 08 51.5 -3.2
C34A	RKJ Ranch, Bem	38.84 349	P	P	19 08 53.5 -1.2
V40A	Val d'Or	38.84 8	eP	P	19 08 54.7 -0.5
JLU	Jordanlee	38.85 327	eP	P	19 08 52.0 -3.0
D31A	Macflamin, Tow	38.87 346	P	P	19 08 57.3 +1.6
CIS	Catalina Islan	38.92 312	P	P	19 08 57.8 +1.6
FMP	Fort Macarthur	38.99 313	P	P	19 08 57.8 +1.6
CTU	Camp Tracy	39.07 327	eP	P	19 08 56.6 -0.4
MWC	Mount Wilson	39.08 314	eP	P	19 08 57.3 +0.2
MWC	Mount Wilson	39.08 314	eP	P	19 08 57.3 +0.2
PASC	Pasadena A C	39.14 314	eP	P	19 08 56.6 +1.2
TCUT	Topopah Spring	39.15 328	eP	P	19 08 57.4 -0.7
DECC	Green Verdugo	39.29 314	P	P	19 08 59.6 +0.9
DUG	Dugway, Tooele	39.31 325	P	P	19 08 58.4 -0.5
DUG	Dugway, Tooele	39.31 325	eP	P	19 08 59.3 +0.3
DUG	Dugway, Tooele	39.31 325	eP	P	19 08 59.3 +0.3
TPNV	Topopah Spring	39.34 319	P	P	19 08 00.7 +1.4
TPNV	Topopah Spring	39.34 319	eP	P	19 08 00.8 +1.5
TPNV	Topopah Spring	39.34 319	eP		



CSEM 02 19:06:02.8.0.2, 38°38'N-43°55'E, h10km, ML3.0, Error ellipse: s-maj=4.3km s-min=3.6km az=111.0  
 DDA 02 19:06:02.9, 38°38'N-43°55'E, h9km, ML3.0  
 ISK 02 19:06:02.6, 38°38'N-43°53'E, h8km, ML2.3  
 ISJCJB 02 19:06:03.2.0.5, 38°36'N-03°43'55E.0.05, h10km,4km, Error ellipse: s-maj=6.8km s-min=4.6km az=21.8  
 ISC 02 19:06:02.7.0.8, 38°37'N-03°43'56E.0.03, h9km,5km, n26, c0944/41, Turkey

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
VMUR	Van-Muradiye	0.03	29	Op	Pg	19 06 04.4 -0.3
VMUR	Van-Muradiye	0.03	29	Op	Pg	19 06 06.6 +0.6
VMUR	Van-Muradiye	0.03	29	Op	Pg	19 06 04.4 -0.3
VMUR	Van-Muradiye	0.03	29	Op	Pg	19 06 06.6 +0.6
VMUR	Van-Muradiye	0.03	29	Op	Pg	19 06 04.4 -0.3
ERCV	ERCIS-VAN	0.18	288	eP	Pn	19 06 06.6 +0.6
ERCV	ERCIS-VAN	0.18	288	eP	Pn	19 06 06.6 +0.3
CLDR	Caldiran	0.33	58	eP	Pn	19 06 10.0 +0.6
CLDR	Caldiran	0.33	58	eP	Pn	19 06 15.7 -0.9
CLDR	Caldiran	0.33	58	eP	Pn	19 06 09.3 -0.1
CLDR	Caldiran	0.33	58	eP	Pn	19 06 15.7 -0.9
CLDR	Caldiran	0.33	58	eP	Pn	19 06 10.0 +0.6
CLDR	Caldiran	0.33	58	eP	Pn	19 06 15.7 -0.9
ANCV	ANCV	0.39	199	eP	Pn	19 06 11.9 0.0
VANB	Van	0.39	199	eP	Pn	19 06 11.9 0.0
TVAN	Van	0.45	195	iP	Pn	19 06 11.5 0.0
TVAN	Van	0.45	195	iP	Pn	19 06 19.5 -0.4
TVAN	Van	0.45	195	iP	Pn	19 06 11.6 0.0
TVAN	Van	0.45	195	iP	Pn	19 06 19.5 -0.4
DYDN	Diyadin	0.59	10	iP	Pn	19 06 14.4 +0.2
DYDN	Diyadin	0.59	10	iP	Pn	19 06 23.8 0.0
DYDN	Diyadin	0.59	10	iP	Pn	19 06 14.4 +0.2
DYDN	Diyadin	0.59	10	iP	Pn	19 06 23.8 0.0
ADCV	BITLIS_Adilcev	0.67	257	iP	Pn	19 06 15.7 +0.1
ADCV	BITLIS_Adilcev	0.67	257	iP	Pn	19 06 15.7 +0.1
ADCV	BITLIS_Adilcev	0.67	257	iP	Pn	19 06 15.7 +0.1
ADCV	BITLIS_Adilcev	0.67	257	iP	Pn	19 06 15.7 +0.1
TUTA	Tutak	0.72	307	iP	Pn	19 06 16.4 -0.3
TUTA	Tutak	0.72	307	iP	Pn	19 06 27.5 -0.2
TUTA	Tutak	0.72	307	iP	Pn	19 06 16.4 -0.3
TUTA	Tutak	0.72	307	iP	Pn	19 06 27.5 -0.2
AGRb	Hanur-Agry	0.75	325	eP	Pn	19 06 17.5 +0.3
AGRb	Hanur-Agry	0.75	325	eP	Pn	19 06 17.5 +0.3
EATA	Eleskirt	1.22	318	iP	Pn	19 06 25.8 -0.3
EATA	Eleskirt	1.22	318	iP	Pn	19 06 43.5 +0.5
EATA	Eleskirt	1.22	318	iP	Pn	19 06 25.8 -0.3
EATA	Eleskirt	1.22	318	iP	Pn	19 06 43.5 +0.5
GURO	Guroymak-BITLI	1.26	251	eP	Pn	19 06 25.9 -0.8
GURO	Guroymak-BITLI	1.26	251	eP	Pn	19 06 33.4 +0.5
CUKT	Cukurca	1.72	179	eP	Pn	19 06 33.4 +0.5
CUKT	Cukurca	1.72	179	eP	Pn	19 06 33.4 +0.5

ROM 02 19:12:30.8.0.4, 39°30'N-16°00'E, h10km,4km, Md1.5/3, M10.8/1, Error ellipse: s-maj=15.2km s-min=2.6km az=34.0, Southern Italy

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
MMN	Mormanno	0.01	203	Op	Pg	19 12 33.1 +0.5
MMN	Mormanno	0.01	203	Op	Pg	19 12 34.3 +0.5
CUC	Castrocuvo	0.17	302	Pg	Pg	19 12 35.1 +0.6
CUC	Castrocuvo	0.17	302	Pg	Pg	19 12 38.1 +1.1
SIRI	Monte Sirino	0.29	340	Pg	Pg	19 12 37.2 +0.4
SIRI	Monte Sirino	0.29	340	Pg	Pg	19 12 42.5 -0.8

ISJCJB 02 19:14:13.2.0.3, 23°38'S-0°03'66.91W, 0.04, h209km,4km, mb3.77, Error ellipse: s-maj=6.1km s-min=5.4km az=34.7  
 SJA 02 19:14:13.7.0.5, 23°38'S-66°87'W, h203km,4km, ML3.4, MW3.7  
 IDC 02 19:14:13.4.1.1, 23°38'S-66°72'W, h190km,10km, mb3.6/7, mb1.3/7.13, mb1mx3.5/37, mbtmp4.1/13, Error ellipse: s-maj=17.8km s-min=12.8km az=7.0  
 GUC 02 19:14:14.5.0.4, 24°04'S-67°00'W, h196km,4km, ML5.0  
 ISC 02 19:14:13.6.0.7, 23°39'S-0°05'66.89W, 0.05, h200km,7km, n34, c1946/44, mb4.07, Jujuy Province

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
SLA	San Lorenzo	1.47	121	eP	Pn	19 14 49.0 +1.8
SLA	San Lorenzo	1.47	121	eP	Pn	19 15 15.1 +1.8
HJA	Humahuaca	1.56	61	iP	Pn	19 14 49.1 +0.8
AZAP	Zapla	1.68	99	iP	Pn	19 14 50.3 +1.0
YJA	Yavi	2.19	36	iP	Pn	19 14 52.7 +1.3
YJA	Yavi	2.19	36	iP	Pn	19 14 56.4
YJA	Yavi	2.19	36	iP	Pn	19 15 27.3 +0.8
ASTB	Santa Barbara	2.23	90	iP	Pn	19 14 55.5 +0.9
FSA	Cafayete	2.28	159	iP	Pn	19 14 56.5 +1.3
FSA	Cafayete	2.28	159	iP	Pn	19 14 57.9
FSA	Cafayete	2.28	159	iP	Pn	19 15 27.6 -0.3
LVC	Limon Verde	2.30	306	eP	Pn	19 14 56.8 +1.1
LVC	Limon Verde	2.30	306	eP	Pn	19 15 28.2 -0.2
LVC	Limon Verde	2.30	306	eP	Pn	19 14 56.8 +1.1
LVC	Limon Verde	2.30	306	eP	Pn	19 15 28.2 -0.2
BP14	IPOC Station P	3.27	258	eP	Pn	19 15 07.5 +0.7
BP14	IPOC Station P	3.27	258	eP	Pn	19 15 47.6 -0.8
BP14	IPOC Station P	3.27	258	eP	Pn	19 15 49.4
BP10	IPOC Station P	3.39	277	eP	Pn	19 15 08.6 +0.7
BP10	IPOC Station P	3.39	277	eP	Pn	19 15 49.4 -1.0
BP10	IPOC Station P	3.39	277	eP	Pn	19 15 52.9
CYA	Choya	4.55	168	eP	Pn	19 15 24.0 +1.7
GO03	Copiap	4.70	219	eP	Pn	19 15 23.9 -0.3
GO03	Copiap	4.70	219	eP	Pn	19 15 27.1 +1.1
ACLC	CERRO LA CRUZ	5.43	181	eP	Pn	19 15 34.7 +1.1
AGUA	GUANDACOL	5.67	194	iP	Pn	19 15 38.0 +1.4
AGUA	GUANDACOL	5.67	194	iP	Pn	19 16 39.6 -2.9
ACCO	Cerro Coronel	6.87	196	iP	Pn	19 15 53.8 +1.5
ACCO	Cerro Coronel	6.87	196	iP	Pn	19 17 15.6
LPAZ	La Paz	7.74	351	P	Pn	19 16 04.3 +0.3
RTPS	Leoncito	8.09	195	iP	Pn	19 16 08.9 +0.8
CLUC	Villa Florida	8.97	107	P	Pn	19 16 15.9 -2.6
SIV	San Ignacio	9.64	36	P	Pn	19 16 26.1 -2.2
SIV	San Ignacio	9.64	36	P	Pn	19 16 12.3 -3.9
NNA	Nana	15.21	320	P	Pn	19 17 39.8 +0.9
PLCA	Paso Flores	16.99	190	P	Pn	19 17 59.4 -0.3
BDFB	Brasilia	19.58	68	P	Pn	19 18 27.2 +0.4
PTGA	Pitinga	24.06	17	P	Pn	19 19 08.4 -2.3
TXAR	Lajas Array	67.72	324	P	Pn	19 19 25.4 +1.1
DBIC	Dimbokro	67.70	71	P	Pn	19 24 48.5 -1.3
ANMO	Albuquerque	68.58	326	P	Pn	19 25 03.0 +1.8
TORD	Torodi Ar. Bena	76.64	69	P	Pn	19 25 41.2 -0.5
PDAR	Pinedale Array	77.18	329	P	Pn	19 25 46.0 +0.6
BOSA	Boshof	80.65	117	P	Pn	19 26 05.8 +1.1
ASAR	Alice Springs	128.52	205	PKP	PKP	19 32 58.5 +1.2
WRA	Warramunga Arr	131.69	207	PKP	PKP	19 33 04.8 +1.3
MKAR	Makanchi Array	146.44	140	PKPbc	PKPbc	19 33 31.6 +0.6
CMAR	Chiang Mai Arr	165.70	114	PKP	PKPbc	19 34 55.6 +0.4

CSEM 02 19:29:42.8.0.2, 38°74'N-43°34'E, h10km, MD2.6, Error ellipse: s-maj=4.4km s-min=3.4km az=121.0

ISK 02 19:29:42.1, 38°71'N-43°30'E, h6km, MD2.6  
 DDA 02 19:29:43.0, 38°72'N-43°32'E, h7km, ML2.6  
 ISJCJB 02 19:29:43.0.4.0.3, 38°73'N-02°43'33E.0.03, h10km,4km, Error ellipse: s-maj=4.6km s-min=3.3km az=36.5  
 ISC 02 19:29:43.3.0.8, 38°73'N-02°43'32E.0.03, h14km,7km, n30, c0979/53, Turkey

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
VANB	Van	0.14	158	Op	Pg	19 29 50.4 +0.7
VANB	Van	0.14	158	Op	Pg	19 29 50.4 +0.7
VANB	Van	0.14	158	Op	Pg	19 29 50.4 +0.7
TVAN	Van	0.21	161	iP	Pn	19 29 47.1 -1.0
TVAN	Van	0.21	161	iP	Pn	19 29 51.1 -0.4
TVAN	Van	0.21	161	iP	Pn	19 29 47.1 -1.0
TVAN	Van	0.21	161	iP	Pn	19 29 51.1 -0.4
VMUR	Van-Muradiye	0.33	37	iP	Pn	19 29 50.0 -0.2
VMUR	Van-Muradiye	0.33	37	iP	Pn	19 29 49.8 -0.3
GEVA	Gevas	0.46	206	iP	Pn	19 29 51.5 -1.1
GEVA	Gevas	0.46	206	iP	Pn	19 29 59.8 -0.4
GEVA	Gevas	0.46	206	iP	Pn	19 29 51.5 -1.1
GEVA	Gevas	0.46	206	iP	Pn	19 29 59.8 -0.4
ADCV	BITLIS_Adilcev	0.47	280	iP	Pn	19 29 52.9 -0.6
ADCV	BITLIS_Adilcev	0.47	280	iP	Pn	19 30 01.0 +0.5
ADCV	BITLIS_Adilcev	0.47	280	iP	Pn	19 29 52.9 -0.6
ADCV	BITLIS_Adilcev	0.47	280	iP	Pn	19 30 01.0 +0.5
CLDR	Caldiran	0.62	48	eP	Pn	19 29 54.5 -1.0
CLDR	Caldiran	0.62	48	eP	Pn	19 30 04.8 0.0
CLDR	Caldiran	0.62	48	eP	Pn	19 29 54.5 -1.0
CLDR	Caldiran	0.62	48	eP	Pn	19 30 04.8 0.0
TUTa	Tutak	0.78	330	iP	Pn	19 29 57.9 -0.6
TUTa	Tutak	0.78	330	iP	Pn	19 30 09.4 +0.1
TUTa	Tutak	0.78	330	iP	Pn	19 29 57.9 -0.6
TUTa	Tutak	0.78	330	iP	Pn	19 30 09.4 +0.1
TATV	Tatvan	0.85	255	iS	Pn	19 30 10.7 -0.4
TATV	Tatvan	0.85	255	iS	Pn	19 30 10.7 -0.4
DYDN	Diyadin	0.86	19	iP	Pn	19 29 58.6 -1.4
DYDN	Diyadin	0.86	19	iP	Pn	19 30 07.8 -0.4
AGRb	Hanur-Agry	0.88	343	eP	Pn	19 29 59.2 -1.2
AGRb	Hanur-Agry	0.88	343	eP	Pn	19 30 12.8 +0.5
AGRb	Hanur-Agry	0.88	343	eP	Pn	19 29 59.2 -1.2
AGRb	Hanur-Agry	0.88	343	eP	Pn	19 30 12.8 +0.5
GURO	Guroymak-BITLI	1.02	260	eP	Pn	19 30 01.9 -1.2
GURO	Guroymak-BITLI	1.02	260	eP	Pn	19 30 16.3 0.0
GURO	Guroymak-BITLI	1.02	260	eP	Pn	19 30 01.9 -1.2
GURO	Guroymak-BITLI	1.02	260	eP	Pn	19 30 16.3 0.0
EATA	Eleskirt	1.30	331	iP	Pn	19 30 26.4 +1.6
EATA	Eleskirt	1.30	331	iP	Pn	19 30 26.4 +1.6
EATA	Eleskirt	1.30	331	iP	Pn	19 30 26.4 +1.6
EATA	Eleskirt	1.30	331	iP	Pn	19 30 26.4 +1.6
SRMT	Siirt_Merkez	1.32	237	iP	Pn	19 30 08.9 +0.1
SRMT	Siirt_Merkez	1.32	237	iP	Pn	19 30 26.0 +1.0
SRMT	Siirt_Merkez	1.32	237	iP	Pn	19 30 08.9 +0.1
SRMT	Siirt_Merkez	1.32	237	iP	Pn	19 30 26.0 +1.0
CUKT	Cukurca	1.50	171	eP	Pn	19 30 26.0 +1.0
CUKT	Cukurca	1.50	171	eP	Pn	19 30 10.0 +0.1

ISK 02 19:36:14.5, 38°70'N-43°47'E, h5km, MD2.7  
 CSEM 02 19:36:15.5.0.3, 38°69'N-43°51'E, h0km,5km, MD2.7, Error ellipse: s-maj=5.8km s-min=3.8km az=100.0  
 DDA 02 19:36:15.5, 38°69'N-43°49'E, h20km, ML3.1  
 ISJCJB 02 19:36:16.0.0.5, 38°70'N-02°43'52E.0.04, h7km,4km, Error ellipse: s-maj=4.6km s-min=3.2km az=7.1  
 ISC 02 19:36:15.8.0.8, 38°70'N-02°43'52E.0.02, h13km,6km, n39, c13070, Turkey

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
VANB	Van	0.15	224	eP	Pg	19 36 19.4 -0.2
VANB	Van	0.15	224	eP	Pg	19 36 19.4 -0.2
TVAN	Van	0.19	207	iP	Pn	19 36 21.4 +0.6
TVAN	Van	0.19	207	iP	Pn	19

Table with columns: TORD, Torodi Ar. Bea, 75.79 70 P, P, 20 39 05.3 +0.1, comp=E, 2.8nm, 0.4s, baz=257, slow=5.6, SNR=44

IS/CJB 02 20:28:06.3-0.7, 31.89N, 103.117, 13W, 0.04, h4km, 4km, Error ellipse: s-maj=6.2km s-min=3.8km az=154.1

NEIC 02 20:28:07.0-0.0, 31.92N, 117.12W, h10km, ML3.3(PAS), After PAS.

NEIC Felt at Ensenada. ECX 02 20:28:08.0-0.4, 31.88N, 117.12W, h10km, MD3.1, ML3.4

MEX 02 20:28:11.0-0.4, 31.99N, 117.06W, h23km, 58km, MD3.8

ISC 02 20:28:04.9-1.5, 31.84N, 107.117, 16W, 0.05, h3km, 10km, n53, r11177, 4C-1D, Off west coast of Baja California

Code Station Name Delta AZ Phase ID Time Res

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Table with columns: IMW, Indian Meadow, 3.29 249 eP, Pn, 20 44 10.1 -2.0

100CA LAC DU BONNET 8.78 5.1 Pn 21 37 50.0

ULM L. du Bonnet 8.89 5.1 Pn 20 45 29.0 +0.3

ULM 0.3nm, 0.3s, baz=236, slow=12, SNR=12

ULM 0.9nm, 0.3s, baz=346, slow=15, SNR=3.6

IDC 02 20:48:20.5-1.0, 38.59N, 43.34E, h0km, mb3.8/1.4

DDA 02 20:48:21.8-1.7, 38.76N, 43.38E, h24km, M1.4

MOS 02 20:48:21.3-1.7, 38.64N, 43.27E, h10km, mb4.3/1.5

ISC 02 20:48:21.3-1.7, 38.75N, 43.32E, h5km, ML4.3

CSEM 02 20:48:22.0-0.1, 38.76N, 43.37E, h3km, mb4.3/1.3

NEIC 02 20:48:22.0-0.0, 38.78N, 43.34E, h5km, mb4.2/1.1

ISC/JB 02 20:48:22.6-0.4, 38.76N, 02:43:41E, 0.02, h11km, 2km

AZER 02 20:48:27.3-0.5, 38.28N, 43.86E, h40km, Error ellipse:

ISC 02 20:48:23.0-0.7, 38.75N, 01:43:40E, 0.01, h16km, 5km

n338, r1970/408, mb4.1/28, MS3.4/12, MS3.4/12, Turkey

Code Station Name Delta AZ Phase ID Time Res

Table with columns: Code, Station Name, Delta, AZ, Phase ID, Time, Res

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Table with columns: Code, Station Name, Delta, AZ, Phase ID, Time, Res

Table with columns: SVAN, Silvan-Diyarba, 1.83 252 P, Pn, 20 48 54.1 -0.2

100CA LAC DU BONNET 8.78 5.1 Pn 21 37 50.0

ULM L. du Bonnet 8.89 5.1 Pn 20 45 29.0 +0.3

ULM 0.3nm, 0.3s, baz=236, slow=12, SNR=12

ULM 0.9nm, 0.3s, baz=346, slow=15, SNR=3.6

IDC 02 20:48:20.5-1.0, 38.59N, 43.34E, h0km, mb3.8/1.4

DDA 02 20:48:21.8-1.7, 38.76N, 43.38E, h24km, M1.4

MOS 02 20:48:21.3-1.7, 38.64N, 43.27E, h10km, mb4.3/1.5

ISC 02 20:48:21.3-1.7, 38.75N, 43.32E, h5km, ML4.3

CSEM 02 20:48:22.0-0.1, 38.76N, 43.37E, h3km, mb4.3/1.3

NEIC 02 20:48:22.0-0.0, 38.78N, 43.34E, h5km, mb4.2/1.1

ISC/JB 02 20:48:22.6-0.4, 38.76N, 02:43:41E, 0.02, h11km, 2km

AZER 02 20:48:27.3-0.5, 38.28N, 43.86E, h40km, Error ellipse:

ISC 02 20:48:23.0-0.7, 38.75N, 01:43:40E, 0.01, h16km, 5km

n338, r1970/408, mb4.1/28, MS3.4/12, MS3.4/12, Turkey

Code Station Name Delta AZ Phase ID Time Res

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Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like GROZ, KBZ, KIV, KVAR, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like ARU, OKC, SVAC, VRAC, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like WOSB, NCRB, BTB, etc.



2011 NOV

Table with columns: TWTY, Station Name, Az, El, S, P, Pg, Res, Time, Res, Code, Station Name, Az, El, S, P, Pg, Res, Time, Res. Includes stations like Chenhua, Pengchayiu, Sangung, Kuangyinshan, Nan Shan, Chiawan, Hwaiien, National Centr, Hehuan Shan, Tachien, Shilin, Nanjuang, Iriomote-Funau, Hateruma jima, Sun Moon Lake, Yuchr, Ishigaki jima, Taichung, Fuli, Ishigakijimahi, Mingjian, Chengkung, Alshah, Tsauling, Gukung, Lidau, Tsausahan, Tuyuan, Tapu, Hsinying, Nanshi, Jiashian, Taimali, Anshuo, Warrungga Arr, Alice Springs, Maknachi Array.

Table with columns: Code, Station Name, Az, El, S, P, Pg, Res, Time, Res. Includes stations like VMUR Van-Muradiye, ERCV ERCIS-VAN, CLDR Caldiran, CLDR Caldiran, CLDR Caldiran, CLDR Caldiran, VANB Van, VANB Van, VANB Van, TVAN Van, TVAN Van, DYDN Diyadin, DYDN Diyadin, ADCV BITLIS\_Adilcev, ADCV BITLIS\_Adilcev, TUTA Tutak, TUTA Tutak, GEVA Gevas, GEVA Gevas, AGRB Hanur-Agry, AGRB Hanur-Agry, AGRB Hanur-Agry, AGRB Hanur-Agry, BASK Baskale\_VAN, BASK Baskale\_VAN, TATV Tatvan, TATV Tatvan, TATV Tatvan, TASB TASBURUN-IGDIR, TASB TASBURUN-IGDIR, EKAR Karacaban, EKAR Karacaban, EATA Eleskirt, EATA Eleskirt, GURO Guroymak-BITLI, GURO Guroymak-BITLI, HAKT HAKKARI, HAKT HAKKARI, DIGO Kars, DIGO Kars, GNI Garni, GNI Garni, GNI Garni, GNI Garni, NAX Nakhchivan, NAX Nakhchivan, NAX Nakhchivan, NAX Nakhchivan, SRTM Siirt\_Merkez, SRTM Siirt\_Merkez, VRTB Varto-Mus, VRTB Varto-Mus, VRTB Varto-Mus, VRTB Varto-Mus, CUKT Cukurca, CUKT Cukurca, CUKT Cukurca, CUKT Cukurca, HOMI Horasan, HOMI Horasan, SIRR S-rnak, SIRR S-rnak, EAK Akyaka, EAK Akyaka, SENK Senkaya-Erzuru, SENK Senkaya-Erzuru, BINGOL BINGOL, ERZM Erzurum, ERZM Erzurum, SVAN Silvan-Diyarba, SVAN Silvan-Diyarba, SVAN Silvan-Diyarba, SVAN Silvan-Diyarba, BTM Batman, BTM Batman, ECAT Cat-ERZURUM, ECAT Cat-ERZURUM, BNGB Bingol, BNGB Bingol, BNGB Bingol, BGD Bogdanovka, BGD Bogdanovka, DDEM Demirkent, DDEM Demirkent, ENDI Yedisu-Bingol, ENDI Yedisu-Bingol, YEDI Yedisu-Bingol, YEDI Yedisu-Bingol, GDB GEDABAY, GDB GEDABAY, BINT Bingol, BINT Bingol, AKH Akhalkalaki, AKH Akhalkalaki, AKH Akhalkalaki, AKH Akhalkalaki, DAGI Agillar, DAGI Agillar, QZX Qazax, QZX Qazax, QZX Qazax, HANI Hanteran, HANI Hanteran, ARTV Artvin, ARTV Artvin, ARTV Artvin, ARTV Artvin, KOPD Kop Dag, KOPD Kop Dag, KOPD Kop Dag.

Table with columns: Code, Station Name, Az, El, S, P, Pg, Res, Time, Res. Includes stations like GANJ Ganja, GANJ Ganja, GANJ Ganja, MARD Mardin, MARD Mardin, DBOC Borcka, DGRG David-gareji, DGRG David-gareji, MAZI Mazidag, MAZI Mazidag, TBGL Delisi, TBGL Delisi, TBGL Delisi, TBGL Delisi, BRDA Brd, BRDA Brd, ERZN Erzincan, ERZN Erzincan, ERZN Erzincan, KBSD Kabsdagh, KBSD Kabsdagh, MNGR Mingechevir, A, MNGR Mingechevir, A, MNGR Mingechevir, A, DUS Dusheti, DUS Dusheti, PTK Pertek, PTK Pertek, PTK Pertek, SVRC Sivrice-ELAZID, SVRC Sivrice-ELAZID, ZRD Zardab, ZRD Zardab, ZKTA Zakatala, ZKTA Zakatala, ZKTA Zakatala, SEKA Sheki, SEKA Sheki, SEKA Sheki, GUDC Gudauri, GUDC Gudauri, KTUT Trabzon, KTUT Trabzon, ONI Oni, ONI Oni, LRK Lerik, LRK Lerik, LRK Lerik, GLBA Cillabab, GLBA Cillabab, GLBA Cillabab, SFNV Sufian, SFNV Sufian, SFNV Sufian, KDMR Kurdemir, KDMR Kurdemir, KDMR Kurdemir, QBL Gabala, QBL Gabala, ZEI Tsey, ZEI Tsey, SAAT Saaty, SAAT Saaty, MZRK Al-Mazaregh, MZRK Al-Mazaregh, LACR Lac, LACR Lac, IML Ismayilli, IML Ismayilli, AKT Akhty, AKT Akhty, LKRN Lenkeran, Azer, LKRN Lenkeran, Azer, LKRN Lenkeran, Azer, URFA Urfa, URFA Urfa, ASTR Astar, ASTR Astar, XNQ Khinaliq, XNQ Khinaliq, XNQ Botlikh, XNQ Botlikh, PQL Pirkuli, PQL Pirkuli, PQL Pirkuli, GNBR Gunib, GNBR Gunib, ALIB &Auml;i;-Bayra, ALIB &Auml;i;-Bayra, QSAR Qusar, QSAR Qusar, GBS Qobustan, GBS Qobustan, GBS Qubba, Azerbaj, GBS Qubba, Azerbaj, ATGJ Altighaj, ATGJ Altighaj, ATGJ Altighaj, NCK Nalchik, NCK Nalchik, GROG Groznyy, GROG Groznyy, SIZA Silyzn, SIZA Silyzn.

Code Station Name Az El S P Pg Res Time Res
WARRUNGA ARR 25.47 117 P 21 43 52.0 +0.5
ALICE SPRINGS 26.65 125 P 21 43 53.4 +0.9
MAKNACHI ARRAY 61.23 338 P 21 48 26.2 -2.0
NSSC 02 21:43:52.2, 1.4, 41.3N, 43.31E, h37km, 999km, ML3.4
DDA 02 21:44:13.2, 38.95N, 43.61E, h6km, ML4.0
ISK 02 21:44:13.9, 38.99N, 43.62E, h5km, ML4.1
ISC 02 21:44:13.7, 0.9, 38.84N, 43.66E, h0km, mb3.7/11,
mb1 3.6/17, mb1mx3.6/54, mbtmp3.6/17, ML2.6/6, MS3.3/15,
Ms1 3.4/15, ms1mx3.1/46, Error ellipse: s-maj=15.8km

Code Station Name Az El S P Pg Res Time Res
VMUR Van-Muradiye 0.5 332 P 21 44 13.8 -1.9
VMUR Van-Muradiye 0.5 332 P 21 44 13.8 -1.9
ERCV ERCIS-VAN 0.22 289 eP 21 44 18.6 +0.3
ERCV ERCIS-VAN 0.22 289 eP 21 44 18.6 +0.3
CLDR Caldiran 0.31 52 eP 21 44 20.2 -0.5
CLDR Caldiran 0.31 52 eP 21 44 20.2 -0.5
CLDR Caldiran 0.31 52 P 21 44 18.8 -1.9
CLDR Caldiran 0.31 52 P 21 44 18.8 -1.9
CLDR Caldiran 0.31 52 P 21 44 20.2 -0.5
CLDR Caldiran 0.31 52 P 21 44 20.2 -0.5
VANB Van 0.39 205 eP 21 44 24.9 +0.4
VANB Van 0.39 205 eP 21 44 24.9 +0.4
VANB Van 0.39 205 P 21 44 24.9 +0.4
VANB Van 0.39 205 P 21 44 24.9 +0.4
TVAN Van 0.45 200 P 21 44 22.4 -0.8
TVAN Van 0.45 200 P 21 44 22.4 -0.8
DYDN Diyadin 0.60 7 P 21 44 24.2 -1.5
DYDN Diyadin 0.60 7 P 21 44 24.2 -1.5
ADCV BITLIS\_Adilcev 0.70 259 P 21 44 26.8 -1.3
ADCV BITLIS\_Adilcev 0.70 259 P 21 44 26.8 -1.3
ADCV BITLIS\_Adilcev 0.70 259 P 21 44 26.8 -1.3
ADCV BITLIS\_Adilcev 0.70 259 P 21 44 26.8 -1.3
TUTA Tutak 0.76 307 P 21 44 27.4 -2.2
TUTA Tutak 0.76 307 P 21 44 27.4 -2.2
TUTA Tutak 0.76 307 P 21 44 27.4 -2.2
TUTA Tutak 0.76 307 P 21 44 27.4 -2.2
GEVA Gevas 0.76 214 P 21 44 34.3 -0.9
GEVA Gevas 0.76 214 P 21 44 34.3 -0.9
AGRB Hanur-Agry 0.79 323 eP 21 44 30.8 -0.5
AGRB Hanur-Agry 0.79 323 eP 21 44 30.8 -0.5
AGRB Hanur-Agry 0.79 323 eP 21 44 30.8 -0.5
AGRB Hanur-Agry 0.79 323 eP 21 44 30.8 -0.5
BASK Baskale\_VAN 0.95 160 P 21 44 32.4 -0.5
BASK Baskale\_VAN 0.95 160 P 21 44 32.4 -0.5
TATV Tatvan 1.13 248 P 21 44 34.2 -2.2
TATV Tatvan 1.13 248 P 21 44 34.2 -2.2
TATV Tatvan 1.13 248 P 21 44 34.2 -2.2
TATV Tatvan 1.13 248 P 21 44 34.2 -2.2
TASB TASBURUN-IGDIR 1.15 25 ePn 21 44 36.2 -1.2
TASB TASBURUN-IGDIR 1.15 25 ePn 21 44 36.2 -1.2
EKAR Karacaban 1.23 285 P 21 44 38.4 -1.0
EKAR Karacaban 1.23 285 P 21 44 38.4 -1.0
EKAR Karacaban 1.23 285 P 21 44 38.4 -1.0
EKAR Karacaban 1.23 285 P 21 44 38.4 -1.0
EATA Eleskirt 1.25 317 P 21 44 36.8 -3.0
EATA Eleskirt 1.25 317 P 21 44 36.8 -3.0
GURO Guroymak-BITLI 1.29 253 ePn 21 44 37.2 -2.5
GURO Guroymak-BITLI 1.29 253 ePn 21 44 37.2 -2.5
GURO Guroymak-BITLI 1.29 253 ePn 21 44 37.2 -2.5
GURO Guroymak-BITLI 1.29 253 ePn 21 44 37.2 -2.5
HAKT HAKKARI 1.39 177 P 21 44 38.6 -3.0
HAKT HAKKARI 1.39 177 P 21 44 38.6 -3.0
HAKT HAKKARI 1.39 177 P 21 44 38.6 -3.0
HAKT HAKKARI 1.39 177 P 21 44 38.6 -3.0
DIGO Kars 1.48 353 P 21 44 42.1 -0.6
DIGO Kars 1.48 353 P 21 44 42.1 -0.6
DIGO Kars 1.48 353 P 21 44 42.1 -0.6
DIGO Kars 1.48 353 P 21 44 42.1 -0.6
GNI Garni 1.49 36 P 21 44 42.1 -0.8
GNI Garni 1.49 36 P 21 44 42.1 -0.8
GNI Garni 1.49 36 P 21 44 42.1 -0.8
GNI Garni 1.49 36 P 21 44 42.1 -0.8
NAX Nakhchivan 1.49 81 P 21 44 42.9 -0.4
NAX Nakhchivan 1.49 81 P 21 44 42.9 -0.4
NAX Nakhchivan 1.49 81 P 21 44 42.9 -0.4
NAX Nakhchivan 1.49 81 P 21 44 42.9 -0.4
SRTM Siirt\_Merkez 1.63 235 P 21 44 40.7 -2.8
SRTM Siirt\_Merkez 1.63 235 P 21 44 40.7 -2.8
SRTM Siirt\_Merkez 1.63 235 P 21 44 40.7 -2.8
SRTM Siirt\_Merkez 1.63 235 P 21 44 40.7 -2.8
VRTB Varto-Mus 1.68 278 ePn 21 44 45.9 -0.8
VRTB Varto-Mus 1.68 278 ePn 21 44 45.9 -0.8
VRTB Varto-Mus 1.68 278 ePn 21 44 45.9 -0.8
VRTB Varto-Mus 1.68 278 ePn 21 44 45.9 -0.8
CUKT Cukurca 1.70 180 ePn 21 44 46.4 -0.5
CUKT Cukurca 1.70 180 ePn 21 44 46.4 -0.5
CUKT Cukurca 1.70 180 ePn 21 44 46.4 -0.5
CUKT Cukurca 1.70 180 ePn 21 44 46.4 -0.5
HOMI Horasan 1.71 310 P 21 44 45.8 -1.2
HOMI Horasan 1.71 310 P 21 44 45.8 -1.2
HOMI Horasan 1.71 310 P 21 44 45.8 -1.2
HOMI Horasan 1.71 310 P 21 44 45.8 -1.2
SIRR S-rnak 1.73 213 P 21 44 45.2 -1.4
SIRR S-rnak 1.73 213 P 21 44 45.2 -1.4
SIRR S-rnak 1.73 213 P 21 44 45.2 -1.4
SIRR S-rnak 1.73 213 P 21 44 45.2 -1.4
EAK Akyaka 1.74 0 P 21 44 45.5 -0.8
EAK Akyaka 1.74 0 P 21 44 45.5 -0.8
EAK Akyaka 1.74 0 P 21 44 45.5 -0.8
EAK Akyaka 1.74 0 P 21 44 45.5 -0.8
SENK Senkaya-Erzuru 1.88 330 ePn 21 44 48.2 0.0
SENK Senkaya-Erzuru 1.88 330 ePn 21 44 48.2 0.0
SENK Senkaya-Erzuru 1.88 330 ePn 21 44 48.2 0.0
SENK Senkaya-Erzuru 1.88 330 ePn 21 44 48.2 0.0
BINGOL BINGOL 1.91 271 P 21 45 18.1 +2.0
BINGOL BINGOL 1.91 271 P 21 45 18.1 +2.0
BINGOL BINGOL 1.91 271 P 21 45 18.1 +2.0
BINGOL BINGOL 1.91 271 P 21 45 18.1 +2.0
ERZM Erzurum 1.98 300 P 21 44 49.6 -0.1
ERZM Erzurum 1.98 300 P 21 44 49.6 -0.1
ERZM Erzurum 1.98 300 P 21 44 49.6 -0.1
ERZM Erzurum 1.98 300 P 21 44 49.6 -0.1
SVAN Silvan-Diyarba 2.04 248 ePn 21 44 51.2 -1.4
SVAN Silvan-Diyarba 2.04 248 ePn 21 44 51.2 -1.4
SVAN Silvan-Diyarba 2.04 248 ePn 21 44 51.2 -1.4
SVAN Silvan-Diyarba 2.04 248 ePn 21 44 51.2 -1.4
BTM Batman 2.11 241 P 21 44 49.6 -1.8
BTM Batman 2.11 241 P 21 44 49.6 -1.8
BTM Batman 2.11 241 P 21 44 49.6 -1.8
BTM Batman 2.11 241 P 21 44 49.6 -1.8
ECAT Cat-ERZURUM 2.14 289 P 21 45 22.1 +0.4
ECAT Cat-ERZURUM 2.14 289 P 21 45 22.1 +0.4
ECAT Cat-ERZURUM 2.14 289 P 21 45 22.1 +0.4
ECAT Cat-ERZURUM 2.14 289 P 21 45 22.1 +0.4
BNGB Bingol 2.28 272 ePn 21 44 54.7 +0.7
BNGB Bingol 2.28 272 ePn 21 44 54.7 +0.7
BNGB Bingol 2.28 272 ePn 21 44 54.7 +0.7
BNGB Bingol 2.28 272 ePn 21 44 54.7 +0.7
BGD Bogdanovka 2.31 360 P 21 44 56.7 -1.8
BGD Bogdanovka 2.31 360 P 21 44 56.7 -1.8
BGD Bogdanovka 2.31 360 P 21 44 56.7 -1.8
BGD Bogdanovka 2.31 360 P 21 44 56.7 -1.8
DDEM Demirkent 2.41 324 P 21 44 55.1 -0.3
DDEM Demirkent 2.41 324 P 21 44 55.1 -0.3
DDEM Demirkent 2.41 324 P 21 44 55.1 -0.3
DDEM Demirkent 2.41 324 P 21 44 55.1 -0.3
ENDI Yedisu-Bingol 2.42 283 ePn 21 44 55.9 +0.2
ENDI Yedisu-Bingol 2.42 283 ePn 21 44 55.9 +0.2
ENDI Yedisu-Bingol 2.42 283 ePn 21 44 55.9 +0.2
ENDI Yedisu-Bingol 2.42 283 ePn 21 44 55.9 +0.2
YEDI Yedisu-Bingol 2.42 283 P 21 44 57.7 -1.5
YEDI Yedisu-Bingol 2.42 283 P 21 44 57.7 -1.5
YEDI Yedisu-Bingol 2.42 283 P 21 44 57.7 -1.5
YEDI Yedisu-Bingol 2.42 283 P 21 44 57.7 -1.5
GDB GEDABAY 2.43 42 P 21 45 27.4 -2.4
GDB GEDABAY 2.43 42 P 21 45 27.4 -2.4
GDB GEDABAY 2.43 42 P 21 45 27.4 -2.4
GDB GEDABAY 2.43 42 P 21 45 27.4 -2.4
BINT Bingol 2.43 269 ePn 21 44 54.3 -1.4
BINT Bingol 2.43 269 ePn 21 44 54.3 -1.4
BINT Bingol 2.43 269 ePn 21 44 54.3 -1.4
BINT Bingol 2.43 269 ePn 21 44 54.3 -1.4
AKH Akhalkalaki 2.46 358 ePn 21 45 00.5 +0.6
AKH Akhalkalaki 2.46 358 ePn 21 45 00.5 +0.6
AKH Akhalkalaki 2.46 358 ePn 21 45 00.5 +0.6
AKH Akhalkalaki 2.46 358 ePn 21 45 00.5 +0.6
DAGI Agillar 2.49 329 P 21 45 58.2 -2.2
DAGI Agillar 2.49 329 P 21 45 58.2 -2.2
DAGI Agillar 2.49 329 P 21 45 58.2 -2.2
DAGI Agillar 2.49 329 P 21 45 58.2 -2.2
QZX Qazax, Azerbaj 2.51 32 P 21 45 56.7 -0.1
QZX Qazax, Azerbaj 2.51 32 P 21 45 56.7 -0.1
QZX Qazax, Azerbaj 2.51 32 P 21 45 56.7 -0.1
QZX Qazax, Azerbaj 2.51 32 P 21 45 56.7 -0.1
QZX Qazax, Azerbaj 2.51 32 P 21 45 56.7 -0.1
HANI Hanteran 2.56 259 P 21 45 59.2 +0.3
HANI Hanteran 2.56 259 P 21 45 59.2 +0.3
HANI Hanteran 2.56 259 P 21 45 59.2 +0.3
HANI Hanteran 2.56 259 P 21 45 59.2 +0.3
ARTV Artvin 2.58 331 ePn 21 45 03.5 -0.6
ARTV Artvin 2.58 331 ePn 21 45 03.5 -0.6
ARTV Artvin 2.58 331 ePn 21 45 03.5 -0.6
ARTV Artvin 2.58 331 ePn 21 45 03.5 -0.6
KOPD Kop Dag 2.63 295 ePn 21 45 02.0 +0.1
KOPD Kop Dag 2.63 295 ePn 21 45 02.0 +0.1
KOPD Kop Dag 2.63 295 ePn 21 45 02.0 +0.1
KOPD Kop Dag 2.63 295 ePn 21 45 02.0 +0.1
KOPD Kop Dag 2.63 295 ePn 21 45 02.0 +0.1

Code Station Name Az El S P Pg Res Time Res
GANJ Ganja 2.70 50 P 21 44 59.6 +0.2
GANJ Ganja 2.70 50 P 21 44 59.6 +0.2
GANJ Ganja 2.70 50 P 21 44 59.6 +0.2
GANJ Ganja 2.70 50 P 21 44 59.6 +0.2
MARD Mardin 2.76 235 P 21 45 02.7 -2.2
MARD Mardin 2.76 235 P 21 45 02.7 -2.2
MARD Mardin 2.76 235 P 21 45 02.7 -2.2
MARD Mardin 2.76 235 P 21 45 02.7 -2.2
DBOC Borcka 2.82 329 P 21 45 07.1 +1.2
DBOC Borcka 2.82 329 P 21 45 07.1 +1.2
DBOC Borcka 2.82 329 P 21 45 07.1 +1.2
DBOC Borcka 2.82 329 P 21 45 07.1 +1.2
DGRG David-gareji 2.84 28 P 21 45 03.0 +1.5
DGRG David-gareji 2.84 28 P 21 45 03.0 +1.5
DGRG David-gareji 2.84 28 P 21 45 03.0 +1.5
DGRG David-gareji 2.84 28 P 21 45 03.0 +1.5
MAZI Mazidag 2.90 240 ePn 21 45 03.4 +1.3
MAZI Mazidag 2.90 240 ePn 21 45 03.4 +1.3
MAZI Mazidag 2.90 240 ePn 21 45 03.4 +1.3
MAZI Mazidag 2.90 240 ePn 21 45 03.4 +1.3
TBGL Delisi 2.91 17 ePn 21 45 04.1 -1.8
TBGL Delisi 2.91 17 ePn 21 45 04.1 -1.8
TBGL Delisi 2.91 17 ePn 21 45 04.1 -1.8
TBGL Delisi 2.91 17 ePn 21 45 04.1 -1.8
BRDA Brd 3.06 63 P 21 45 04.4 +0.1
BRDA Brd 3.06 63 P 21 45 04.4 +0.1
BRDA Brd 3.06 63 P 21 45 04.4 +0.1
BRDA Brd 3.06 63 P 21 45 04.4 +0.1
ERZN Erzincan 3.08 283 ePn 21 45 06.2 +1.5
ERZN Erzincan 3.08 283 ePn 21 45 06.2 +1.5
ERZN Erzincan 3.08 283 ePn 21 45 06.2 +1.5
ERZN Erzincan 3.08 283 ePn 21 45 06.2 +1.5
KBSD Kabsdagh 3.10 232 eP 21 45 04.5 +0.5
KBSD Kabsdagh 3.10 232 eP 21 45 04.5 +0.5
KBSD Kabsdagh 3.10 232 eP 21 45 04.5 +0.5
KBSD Kabsdagh 3.10 232 eP 21 45 04.5 +0.5
MNGR Mingechevir, A 3.24 55 P 21 45 06.9 +0.1
MNGR Mingechevir, A 3.24 55 P 21 45 06.9 +0.1
MNGR Mingechevir, A 3.24 55 P 21 45 06.9 +0.1
MNGR Mingechevir, A 3.24 55 P 21 45 06.9 +0.1
DUS Dusheti 3.25 15 P 21 45 14.3 +1.0
DUS Dusheti 3.25 15 P 21 45 14.3 +1.0
DUS Dusheti 3.25 15 P 21 45 14.3 +1.0
DUS Dusheti 3.25 15 P 21 45 14.3 +1.0
PTK Pertek 3.28 270 ePn 21 45 09.3 +1.8
PTK Pertek 3.28 270 ePn 21 45 09.3 +1.8
PTK Pertek 3.28 270 ePn 21 45 09.3 +1.8
PTK Pertek 3.28 270 ePn 21 45 09.3 +1.8
SVRC Sivrice-ELAZID 3.41 262 ePn 21 45 06.2 -2.8
SVRC Sivrice-ELAZID 3.41 262 ePn 21 45 06.2 -2.8
SVRC Sivrice-ELAZID 3.41 262 ePn 21 45 06.2 -2.8
SVRC Sivrice-ELAZID 3.41 262 ePn 21 45 06.2 -2.8
ZRD Zardab 3.42 66 P 21 45 09.4 +0.2
ZRD Zardab 3.42 66 P 21 45 09.4 +0.2
ZRD Zardab 3.42 66 P 21 45 09.4 +0.2
ZRD Zardab 3.42 66 P 21 45 09.4 +0.2
ZRD Zardab 3.42 66 P 21 45 09.4 +0.2
ZKTA Zakatala 3.54 40 P 21 45 11.1 +0.1
ZKTA Zakatala 3.54 40 P 21 45 11.1 +0.1
ZKTA Zakatala 3.54 40 P 21 45 11.1 +0.1
ZKTA Zakatala 3.54 40 P 21 45 11.1 +0.1
SEKA Sheki 3.57 50 P 21 45 12.2 +0.8
SEKA Sheki 3.57 50 P 21 45 12.2 +0.8
SEKA Sheki 3.57 50 P 21 45 12.2 +0.8
SEKA Sheki 3.57 50 P 21 45 12.2 +0.8
GUDC Gudauri 3.58 10 P 21 45 17.1 -1.8
GUDC Gudauri 3.58 10 P 21 45 17.1 -1.8
GUDC Gudauri 3.58 10 P 21 45 17.1 -1.8
GUDC Gudauri 3.58 10 P 21 45 17.1 -1.8
KTUT Trabzon 3.58 306 ePn 21 45 12.3 +0.9
KTUT Trabzon 3.58 306 ePn 21 45 12.3 +0.9
KTUT Trabzon 3.58 306 ePn 21 45 12.3 +0.9
KTUT Trabzon 3.58 306 ePn 21 45 12.3 +0.9
ONI Oni 3.64 358 P 21 45 23.9 -0.6
ONI Oni 3.64 358 P 21 45 23.9 -0.6
ONI Oni 3.64 358 P 21 45 23.9 -0.6
ONI Oni 3.64 358 P 21 45 23.9 -0.6
LRK Lerik 3.72 93 P 21 45 13.4 -0.1
LRK Lerik 3.72 93 P 21 45 13.4 -0.1
LRK Lerik 3.72 93 P 21 45 13.4 -0.1
LRK Lerik 3.72 93 P 21 45 13.4 -0.1
GLBA Cillabab 3.74 84 P 21 45 13.8 +0.1
GLBA Cillabab 3.74 84 P 21 45 13.8 +0.1
GLBA Cillabab 3.74 84 P 21 45 13.8 +0.1
GLBA Cillabab 3.74 84 P 21 45 13.8 +0.1
GLBA Cillabab 3.74 84 P 21 45 13.8 +0.1
SFNV Sufian 3.75 229 eP 21 45 13.0 -0.9
SFNV Sufian 3.75 229 eP 21 45 13.0 -0.9
SFNV Sufian 3.75 229 eP 21 45 13.0 -0.9
SFNV Sufian 3.75 229 eP 21 45 13.0 -0.9
SFNV Sufian 3.75 229 eP 21 45 13.0 -0.9
KDMR Kurdemir 3.81 67 P 21 45 14.8 +0.1
KDMR Kurdemir 3.81 67 P 21 45 14.8 +0.1
KDMR Kurdemir 3.81 67 P 21 45 14.8 +0.1
KDMR Kurdemir 3.81 67 P 21 45 14.8 +0.1
QBL Gabala 3.82 57 P 21 45 14.9 +0.1
QBL Gabala 3.82 57 P 21 45 14.9 +0.1
QBL Gabala 3.82 57 P 21 45 14.9 +0.1
QBL Gabala 3.82 57 P 21 45 14.9 +0.1
ZEI Tsey 3.84 3 eP 21 45 17.7 +2.4
ZEI Tsey 3.84 3 eP 21 45 17.7 +2.4
ZEI Tsey 3.84 3 eP 21 45 17.7 +2.4
ZEI Tsey 3.84 3 eP 21 45 17.7 +2.4
ZEI Tsey 3.84 3 eP 21 45 17.7 +2.4
SAAT Saaty 3.85 75 P 21 45 14.8 -0.3
SAAT Saaty 3.85 75 P 21 45 14.8 -0.3
SAAT Saaty 3.85 75 P 21 45 14.8 -0.3
SAAT Saaty 3.85 75 P 21 45 14.8 -0.3
SAAT Saaty 3.85 75 P 21 45 14.8 -0.3
MZRK Al-Mazaregh 3.90 218 eP 21 45 18.5 +2.7
MZRK Al-Mazaregh 3.90 218 eP 21 45 18.5 +2.7
MZRK Al-Mazaregh 3.90 218 eP 21 45 18.5 +2.7
MZRK Al-Mazaregh 3.90 218 eP 21 45 18.5 +2.7
MZRK Al-Mazaregh 3.90 218 eP 21 45 18.5 +2.7
LACR Lac 3.91 8 eP 21 45 21.6 -3.0
LACR Lac 3.91 8 eP 21 45 21.6 -3.0
LACR Lac 3.91 8 eP 21 45 21.6 -3.0
LACR Lac 3.91 8 eP 21 45 21.6 -3.0
LACR Lac 3.91 8 eP 21 45 21.6 -3.0
IML Ismayilli 3.98 61 P 21 45 17.1 +0.1
IML Ismayilli 3.98 61 P 21 45 17.1 +0.1
IML Ismayilli 3.98 61 P 21 45 17.1 +0.1
IML Ismayilli 3.98 61 P 21 45 17.1 +0.1
IML Ismayilli 3.98 61 P 21 45 17.1 +0.1
AKT Akhty 4.05 50 eP 21 45 21.2 +3.2
AKT Akhty 4.05 50 eP 21 45 21.2 +3.2
AKT Akhty 4.05 50 eP 21 45 21.2 +3.2
AKT Akhty 4.05 50 eP 21 45 21.2 +3.2
AKT Akhty 4.05 50 eP 21 45 21.2 +3.2
LKRN Lenkeran, Azer 4.05 92 P 21 45 18.1 +0.1
LKRN Lenkeran, Azer 4.05 92 P 21 45 18.1 +0.1
LKRN Lenkeran, Azer 4.05 92 P 21 45 18.1 +0.1
LKRN Lenkeran, Azer 4.05 92 P 21 45 18.1 +0.1
LKRN Lenkeran, Azer 4.05 92 P 21 45 18.1 +0.1
URFA Urfa 4.05 250 ePn 21 45 19.7 +1.6
URFA Urfa 4.05 250 ePn 21 45 19.7 +1.6
URFA Urfa 4.05 250 ePn 21 45 19.7 +1.6
URFA Urfa 4.05 250 ePn 21 45 19.7 +1.6
URFA Urfa 4.05 250 ePn 21 45 19.7 +1.6
ASTR Astar 4.08 94 P 21 45 18.4 +0.1
ASTR Astar 4.08 94 P 21 45 18.4 +0.1
ASTR Astar 4.08 94 P 21 45 18.4 +0.1
ASTR Astar 4.08 94 P 21 45 18.4 +0.1
ASTR Astar 4.08 94 P 21 45 18.4 +0.1
XNQ Khinaliq 4.13 56 P 21 46 09.2 +0.9
XNQ Khinaliq 4.13 56 P 21 46 09.2 +0.9
XNQ Khinaliq 4.13 56 P 21 46 09.2 +0.9
XNQ Khinaliq 4.13 56 P 21 46 09.2 +0.9
XNQ Khinaliq 4.13 56 P 21 46 09.2 +0.9
BTM Batlikh 4.21 27 eP 21 45 29.3 -0.4
BTM Batlikh 4.21 27



ISCJB 02 22:08:50.6:1.1,39.31N:0.07:71.16E:0.08,h10km,Error ellipse: s-maj=10.2km s-min=7.7km az=149.2

ISC 02 22:08:49.7:1.5,39.24N:0.07:71.18E:0.05,h10km,n12, r=188/24,21C-4D,Tajikistan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like Batken, Dzerhino, Sufi-Kurgan, etc.

ISK 02 22:11:19.5:38.81N:43.53E,h5km,ML2.9 ISCJB 02 22:10.7:0.5,38.83N:0.02:43.58E:0.04,h12km,3km, Error ellipse: s-maj=5.9km s-min=4.0km az=9.5

CSEM 02 22:11:20.5:0.3,38.83N:43.53E,h2km,ML2.7,Error ellipse: s-maj=6.8km s-min=4.9km az=126.0 DDA 02 22:11:20.2:38.85N:43.55E,h2km,ML2.7

ISC 02 22:11:20.1:0.9,38.82N:0.02:43.57E:0.03,h12km,6km, n41,r=153/63,Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like Van-Muradiye, ERCV, etc.

CSEM 02 22:11:33.7:38.88N:43.53E,h8km,MD3.1 DDA 02 22:11:33.7:38.88N:43.53E,h8km,MD3.1

ISC 02 22:11:33.9:1.0,38.85N:0.02:43.53E:0.03,h6km,11km, n22,r=156/38,Turkey

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

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

ISCJB 02 22:22:42.2:0.7,11.75N:0.05:87.24W:0.05,h45km,6km, mb4.2/14,MS3.1/3,Error ellipse: s-maj=10.8km s-min=4.6km az=43.4

CASC 02 22:22:42.5:3.5,11.77N:87.26W,h41km,29km,MD4.2, mb4.6(NEIC)

IDC 02 22:22:42.8:4.1,11.70N:87.20W,h38km,34km,mb3.9/9, mb1.4/11,mb1mx3.8/38,mbmt4.1/11,ML3.32,MS3.3/3, Ms1.3/3,ms1mx2.8/39,Error ellipse: s-maj=34.8km s-min=15.1km az=49.0

NEIC 02 22:22:43.4:1.6,11.67N:87.28W,h47km,14km,mb4.6/4, Error ellipse: s-maj=18.0km s-min=8.7km az=23.0

ISC 02 22:22:42.0:7.1,11.73N:0.06:87.26W:0.06,h35km,7km, n98,r=153/103,mb4.3/14,MS3.1/3,Near coast of Nicaragua

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

SDV Santo Domingo 16.60 98 P 22 26 34.2 -0.7

SDV Santo Domingo 16.60 98 ePn P 22 26 34.5 -0.4

545A Edgard 18.47 351 P 22 26 51.7 -3.4

544A White Castle 18.65 349 P 22 26 54.1 -3.0

034A Hebronville 18.66 326 P 22 26 59.4 +1.7

934A Berwides 19.00 328 P 22 27 03.5 +1.6

933A Laredo 19.41 326 P 22 27 07.6 +0.8

833A Chaparral WMA, 20.04 327 P 22 27 13.8 -0.4

438A Sam Houston St 20.40 339 P 22 27 16.4 +0.1

ATAH Atahualpa 20.71 154 LR 22 27 33.7 +2.0

29A Galy 20.76 343 P 22 27 37.5 +2.0

SJG San Juan 21.35 70 LR 22 27 35.2 +2.0

141A Papa Simpson, 21.42 347 P 22 27 28.3 +1.1

WHTX Lake Whitney, 22.25 337 P 22 27 37.2 +1.1

Y38A Quinton 23.13 344 P 22 27 46.4 +1.0

TXAR Lajitas Array 23.25 321 P 22 27 47.7 +1.0

TXAR 2.9nm,0.7s,baz=133,slow=9.9,SNR=24 22 31 34.6 +0.7

MIAR Mount Ida 23.43 347 P 22 27 47.4 -0.9

MIAR Mount Ida 23.43 347 eP 22 27 48.7 +0.4

X39A Fountain Ranch 23.52 346 P 22 27 49.7 +0.5

W41B Gary Mavity, V 23.78 350 P 22 27 51.5 -0.1

X38A Whitesboro 23.85 344 P 22 27 53.3 +0.9

X37A Clayton 23.93 343 P 22 27 54.9 +1.8

W40A Ferguson Farm, 23.95 348 P 22 27 53.6 +0.4

TKL Tuckaleechee C 24.03 7 P 22 27 55.6 +1.6

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

ISCJB 02 22:34:16.5:0.6,34.70N:0.03:140.72E:0.06,h31km,4km, mb4.0/12,MS3.5/2,Error ellipse: s-maj=5.8km s-min=5.7km az=168.9

JMA 02 22:34:17.4:0.1,34.70N:140.66E,h25km,2km,M3.4

NEIC 02 22:34:19.6:0.6,34.72N:140.54E,h35km,mb4.1/2,Error ellipse: s-maj=15.2km s-min=8.3km az=80.0

ISC 02 22:34:17.2:0.7,34.69N:0.05:140.69E:0.05,h21km,2km, n29,r=137/36,mb4.0/12,6C-2D,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like Boso 3, Boso 1, etc.

ASAJ Asahikawa 9.53 8 Pn 22 36 32.5 -0.7

ASAJ 0.5nm,0.3s,baz=174,slow=19,SNR=1.8 22 38 29.0 +9.4

KRSR Kora Array 10.69 289 Pn 22 36 53.5 +4.3

KSAR Wajuu Array Be 11.63 327 Pn 22 37 03.6 +1.6

MA2 Magadan 25.77 12 LR 22 52 08.4

H11N2 WAKE ISLAND Hy 27.55 116 T 23 08 49.4

H11N1 WAKE ISLAND Hy 27.56 116 T 23 08 50.4

H11N3 WAKE ISLAND Hy 27.57 116 T 23 08 51.2

H11S3 WAKE ISLAND Hy 28.18 118 T 23 09 35.2

H11S1 WAKE ISLAND Hy 28.18 118 T 23 09 36.1

H11S2 WAKE ISLAND Hy 28.19 118 T 23 09 36.3

SONM Sango Island Array 28.68 308 P 22 40 13.0 +0.2

ZALV Zalesovo Beam 43.09 314 P 22 42 15.1 -0.5

MKAR Makanchi Array 44.90 304 P 22 42 30.8 +0.5

KURK Kurchatov 46.95 310 eP 22 42 45.5 -0.8

KURBB Kurchatov Arra 47.01 310 P 22 42 46.7 -0.1

ILAR Eielson Array 51.79 31 P 22 43 23.7 +0.6

WRAB Tennant Creek 54.65 187 eP 22 43 44.9 +0.3

WRA Warramunga Arr 54.66 187 P 22 43 44.9 +0.2

ASAR Alice Springs 58.19 187 P 22 44 11.5 -0.0

ABKAR Abukauk array 59.02 311 eP 22 44 15.4 +0.1

FINES FINESS Array B 70.61 332 P 22 45 30.2 -0.5

KBZ Khabaz 71.99 311 P 22 45 39.8 +0.5

PFO Pinyon Flats O 80.84 55 LR 23 17 15.6

LPAZ La Paz 148.35 62 PKPbc 22 54 05.4 -1.1

CSEM 02 22:37:42.0:0.2,42.65N:21.81E,h2km,ML1.5,Error ellipse: s-maj=4.8km s-min=3.7km az=57.0

BEO 02 22:37:43.6:0.5,42.68N:21.82E,h0km,4km,M1.5/1, Northwestern Balkan Peninsula



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ACX Achulco, CAIG El Cayaco, MEIG Mezcala, etc.

ISCJB 02 23:34:59.8±1.0, 8.4S±0.1, 119.80E±0.05, h172km, mb3.9/1, Error ellipse: s-maj=16.0km s-min=5.9km az=14.5

DJA 02 23:35:00.9±0.8, 8.8S±7.7, 121.0E±1.1, h166km, Mw3.0/6, MLv3.0/6

IDC 02 23:35:01.3±6.0, 7.98S±120.36E, h179km, 62km, mb3.2/2, mb1.3/2.4, mb1mx2.9/37, mbtmp3.6/4, Error ellipse: s-maj=146.3km s-min=4.0

ISC 02 23:35:00.5±1.4, 8.4S±0.1, 119.79E±0.06, h172km, n8, c1555/14, Flores region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EDFI Ende, EDFI Baing, BASI Plampang, etc.

NIED 02 23:47:00, 37.30N±141.40E, h41km, Mw3.7, Best double couple: M3, 46000±1014, NP11±34, 00000±826, 00000±1, 1-105, 00000±. NP2±231, 00000±865, 00000±, 1-83, 00000±

IDC 02 23:47:20.4±2.2, 37.47N±141.62E, h0km, mb3.6/3, mb1.3/7.5, mb1mx3.5/38, mbtmp3.6/5, ML3.4/2, MS2.6/2, Ms1.2/6.2, ms1mx2.4/48, Error ellipse: s-maj=42.6km s-min=27.8km az=70.8

ISCJB 02 23:47:23.1±1.0, 37.31N±141.51E±0.07, h21km, 6km, mb3.4/3, Error ellipse: s-maj=9.0km s-min=5.4km az=14.5

JMA 02 23:47:25.0±0.1, 37.33N±141.35E, h34km±1km, M3.9 JMA Felt 1 J1

ISC 02 23:47:22.8±1.5, 37.35N±140.41E±0.06, h13km±10km, n23, c1527/27, mb3.6/3, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JFK Iwakuchi, ONAJ Kawakimizuishi, JMM Marumori, etc.

IDC 03 00:18:59.0±6.0, 10.09S±161.17E, h54km±4km, mb4.0/14, mb1.4/2.16, mb1mx4.0/32, mbtmp4.3/16, MS3.6/13, Ms1.3/6.13, ms1mx3.9/21, Error ellipse: s-maj=13.0km s-min=7.2km az=34.0

ISCJB 03 00:19:00.4±0.3, 10.17S±161.00E±0.04, h67km, mb4.4/45, Error ellipse: s-maj=7.3km s-min=6.1km az=158.4

NEIC 03 00:19:01.1±0.9, 10.15S±161.06E, h60km±9km, mb4.7/32, Error ellipse: s-maj=8.6km s-min=6.4km az=151.0

BUI 03 00:19:01.7, 10.27S±160.58E, h55km, mb4.8/17, mb5.1/13, Ms5.2/7, Ms7.4/9.7

ISC 03 00:19:01.7±0.4, 10.24S±161.08E±0.06, h67km, n68, c1588/82, mb4.7/45, Bougainville-Solomon Islands region

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PMG Port Moresby, TARA Tarama, CTA Charters Tower, etc.

WRA Warramunga Arr 57.252 46 P 00 24 43.3 +1.1

WRA Warramunga Arr 27.51 246 eP 00 24 42.7 +0.6

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

WRA Warramunga Arr 18.17 131 P 00 24 42.0 -1.1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BMO Blue Mountains, KSH Kashi, KSH Kashi, etc.

CSEM 03 00:19:45.9±0.3, 67.83N±20.23E, h2km, ML1.8, Error ellipse: s-maj=5.8km s-min=5.6km az=12.0, Mining explosion.

UPP 03 00:19:45.8±0.7, 67.82N±20.21E, h0km, ML1.8, Mining explosion.

HEL 03 00:19:45.6±67.79N±20.14E, h0km, ML1.6, Explosion, Sweden

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

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG

HEF comp=Z, 4.7nm, 0.2s MSG





Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Mahia Peninsula, Kokoho, Urewera, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BKZ Black Stump Fm, THZ Tophouse, HNR Horua, etc.

NEIC 03 02:14:28.2-0.0, 14:99N:91.20W, h250km, mb4.1/2, MD4.2(MEX), After MEX.

MEX 03 02:14:28.2-0.3, 14:99N:91.20W, h250km, 6km, MD4.2, Guatemala

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

Error ellipse: s-maj=3.6km s-min=3.4km az=37.6

ISK 03 03:01:13.7, 40:50N:25.67E, h5km, MD2.8

ISC 03 03:01:13.7, 40:51N:02:25.55E:0.02, h7km, 4km, n68, c105E/102, Aegean Sea

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

Error ellipse: s-maj=5.9km s-min=4.0km az=111.0

DDA 03 02:20:06.3, 39:98N:38.57E, h7km, Md2.5, Turkey

ISC 03 02:34:08.5, 38:72N:43.44E, h5km, MD2.6

CSEM 03 02:34:09.3, 0.2, 38:73N:43.46E, h5km, MD2.6, Error ellipse: s-maj=5.9km s-min=4.0km az=111.0

DDA 03 02:34:09.2, 38:70N:43.50E, h8km, MD2.8

ISC 03 02:34:09.0, 38:72N:02:43.48E:0.03, h8km, 8km, n36, c106E/61, Turkey

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

ISC 03 02:34:08.5, 38:72N:43.44E, h5km, MD2.6

CSEM 03 02:34:09.3, 0.2, 38:73N:43.46E, h5km, MD2.6, Error ellipse: s-maj=5.9km s-min=4.0km az=111.0

DDA 03 02:34:09.2, 38:70N:43.50E, h8km, MD2.8

ISC 03 02:34:09.0, 38:72N:02:43.48E:0.03, h8km, 8km, n36, c106E/61, Turkey

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

Error ellipse: s-maj=5.9km s-min=4.0km az=111.0

DDA 03 02:20:06.3, 39:98N:38.57E, h7km, Md2.5, Turkey

ISC 03 02:34:08.5, 38:72N:43.44E, h5km, MD2.6

CSEM 03 02:34:09.3, 0.2, 38:73N:43.46E, h5km, MD2.6, Error ellipse: s-maj=5.9km s-min=4.0km az=111.0

DDA 03 02:34:09.2, 38:70N:43.50E, h8km, MD2.8

ISC 03 02:34:09.0, 38:72N:02:43.48E:0.03, h8km, 8km, n36, c106E/61, Turkey

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

Error ellipse: s-maj=5.9km s-min=4.0km az=111.0

DDA 03 02:20:06.3, 39:98N:38.57E, h7km, Md2.5, Turkey

ISC 03 02:34:08.5, 38:72N:43.44E, h5km, MD2.6

CSEM 03 02:34:09.3, 0.2, 38:73N:43.46E, h5km, MD2.6, Error ellipse: s-maj=5.9km s-min=4.0km az=111.0

DDA 03 02:34:09.2, 38:70N:43.50E, h8km, MD2.8

ISC 03 02:34:09.0, 38:72N:02:43.48E:0.03, h8km, 8km, n36, c106E/61, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SVN Savane Anatole, BAMF Morne Balai, etc.

IASPEI 03 03:01:13.0, 40:51N:02:25.55E:0.02, h7km, 5km, Error ellipse: s-maj=3.1km s-min=2.7km az=35.4, G75 selection from ISC bulletin G75 identified by Bond'ir and McLaughlin (2009) selection criteria Bond'ir and McLaughlin, A new ground truth data set for seismic studies, <S>Seism. Res. Let., <b>30</b>, <4>465-472, 2009

ATH 03 03:01:12.5, 40:52N:25:59E, h8km, 2km, ML2.3/4, Error ellipse: s-maj=3.0km s-min=0.9km az=236.0

THE 03 03:01:13.2, 40:51N:25:55E, h6km, ML2.4/9, Error ellipse: s-maj=0.6km s-min=0.4km az=129.0

CSEM 03 03:01:13.2, 0.1, 40:51N:25:53E, h2km, ML2.4, Error ellipse: s-maj=2.5km s-min=2.1km az=16.0

ISCJB 03 03:01:13.1, 40:52N:02:25:55E:0.03, h4km, 4km, Error ellipse: s-maj=5.7km s-min=4.1km az=12.7

DDA 03 03:51:03.0, 38:71N:43.60E, h7km, Md2.7

ISC 03 03:14:07.9, 0.6, 17:20S:0:07:172:7W:0:1, h17km, mb4.8/20, MS3.2/4, Error ellipse: s-maj=19.1km s-min=6.9km az=26.6

ISC 03 03:14:07.9, 0.6, 17:20S:0:07:172:7W:0:1, h17km, mb4.8/20, MS3.2/4, Error ellipse: s-maj=19.1km s-min=6.9km az=26.6

NEIC 03 03:14:11.9, 0.5, 17:21S:172:70W, h35km, mb4.9/10, Error ellipse: s-maj=18.8km s-min=8.4km az=124.0

ISC 03 03:14:09.6, 0.6, 17:26S:0:09:172:6W:0:2, h17km, n46, c165/43, mb4.7/20, MS3.2/4, 4C, Tonga Islands region

Code Station Name Azimuth Phase ID Time Res

AFI Afiamalu 3.43 14 Op ISC h m s ISC 03 15 03.2+0.8

AFI Afiamalu 3.43 14 Op Sn 03 15 00.8-2.0

AFI Afiamalu 3.43 14 ePn Sn 03 15 00.8-1.7

AFI Afiamalu 3.43 14 eS Sn 03 15 01.4-1.0

ISC 03 03:51:01.5, 38:74N:43:57E, h5km, MD2.6

CSEM 03 03:51:02.0, 0.2, 38:71N:43:64E, h15km, MD2.6, Error ellipse: s-maj=4.6km s-min=3.3km az=114.0

ISCJB 03 03:51:03.1, 38:73N:02:43:62E:0.04, h12km, 4km, Error ellipse: s-maj=5.7km s-min=4.1km az=12.7

DDA 03 03:51:03.0, 38:71N:43:60E, h7km, Md2.7

Code Station Name Azimuth Phase ID Time Res

HJH Hachijo jima 2 2.45 17 P Sn 03 51 29.8+3.0

JIE Hachijo jima 2 2.45 17 P Sn 03 51 29.8+3.0

JIE Hachijo jima 2 2.45 17 P Sn 03 51 29.8+3.0

JIE Hachijo jima 2 2.45 17 P Sn 03 51 29.8+3.0



ISC 03 05:51:03.1+0.3, 38.76N; 02:43:51E; 0.03, h15km, 7km, n27, c151/50, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations and their recorded data for the 03 05:51:03 event.

ISC 03 05:53:57.5, 38.76N; 04:20E, h9km, MD2.5
CSEM 03 05:53:58.9, 0.3, 38.76N; 04:20E, h2km, MD2.5, Error ellipse: s-maj=6.7km s-min=5.3km az=145.0

ISC 03 05:53:59.1, 0.5, 38.76N; 03:43:19E; 0.04, h7km, 6km, Error ellipse: s-maj=5.9km s-min=4.3km az=146.8

DDA 03 05:53:59.5, 38.70N; 04:21E, h7km, MD2.4

ISC 03 05:53:58.8, 1.0, 38.78N; 03:43:18E; 0.02, h6km, 10km, n24, c099/42, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations and their recorded data for the 03 05:53:58.8 event.

ISC/JB 03 04:18:19.8, 0.8, 21.7N; 01:143:3E; 0.4, h200km, mb3.3/7, Error ellipse: s-maj=45.6km s-min=15.0km az=0.5

IDD 03 04:18:25.2, 6.0, 21.68N; 143:12E, h236km, 58km, mb3.1/7, mb1 3.3/8, mb1mx3.0/46, mbtmp3.7/8, Error ellipse: s-maj=44.6km s-min=13.8km az=93.0

ISC 03 04:18:22.0, 9.2, 21.7N; 01:143:2E; 0.4, h200km, n10, c183/9, mb3.4/7, Mariana Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations and their recorded data for the 03 04:18:22 event.

ISC/JB 03 04:21:28.1, 0.5, 32.20N; 03:115:23W; 0.03, h13km, 3km, Error ellipse: s-maj=5.0km s-min=3.9km az=135.9

NEIC 03 04:21:29.7, 0.0, 32.17N; 115:28W, h7km, ML2.7(PAS), ML3.0(EXT), After ECK

ECX 03 04:21:29.6, 0.5, 32.17N; 115:28W, h7km, MD2.8, ML3.0

MEX 03 04:21:30.5, 0.8, 32.21N; 115:24W, h3km, 2MD3.6

ISC 03 04:21:27.1, 0.1, 32.19N; 02:115:28W; 0.03, h16km, 8km, n39, c079/58, 2C-6D, California-Baja California border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations and their recorded data for the 03 04:21:27 event.

CPXB CPXB comp=N, 6um, 0.2s IAML

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations and their recorded data for the 04 21:39.4 event.

ISC 03 04:22:15.8, 28.0, 18.51S; 173:63W, h0km, mb4.1/4, mb1 4.2/4, mb1mx3.7/29, mbtmp4.1/4, Error ellipse: s-maj=521.1km s-min=165.2km az=75.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations and their recorded data for the 03 04:22:15.8 event.

ISC 03 04:57:20.8, 38.69N; 03:21E, h7km, MD2.4

CSEM 03 04:57:21.9, 0.2, 38.69N; 03:22E, h8km, MD2.4, Error ellipse: s-maj=4.4km s-min=3.7km az=141.0

DDA 03 04:57:22.1, 38.69N; 03:23E, h7km, MD2.7

ISC 03 04:57:22.3, 0.9, 38.69N; 02:43:22E; 0.02, h11km, 7km, n25, c0875/51, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations and their recorded data for the 03 04:57:22 event.

IDD 03 05:01:54.3, 1.3, 8.34; 171S; 179:07E, h178km, 30km, mb3.8/6, mb1 4.0/7, mb1mx3.8/23, mbtmp4.3/7, Error ellipse: s-maj=34.5km s-min=18.7km az=51.0

WEL 03 05:01:59.0, 0.8, 35:29S; 178:94E, h214km, 7km, ML5.3/55, Error ellipse: s-maj=7.1km s-min=6.5km az=0

NEIC 03 05:02:00.5, 0.0, 35:46S; 178:96E, h221km, mb5.3/5, After WEL

ISC 03 05:01:59.4, 0.6, 35:25S; 07:178:76E; 0.08, h200km, n242, c206/235, mb4.2/10, 8C-10D, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations and their recorded data for the 03 05:01:59 event.

WMGZ Waioamatatini S 2.58 186 Pn Pn 05 02 45.0 +0.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations and their recorded data for the 04 21:39.4 event.

ISC 03 04:22:15.8, 28.0, 18.51S; 173:63W, h0km, mb4.1/4, mb1 4.2/4, mb1mx3.7/29, mbtmp4.1/4, Error ellipse: s-maj=521.1km s-min=165.2km az=75.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations and their recorded data for the 03 04:22:15.8 event.

ISC 03 04:57:20.8, 38.69N; 03:21E, h7km, MD2.4

CSEM 03 04:57:21.9, 0.2, 38.69N; 03:22E, h8km, MD2.4, Error ellipse: s-maj=4.4km s-min=3.7km az=141.0

DDA 03 04:57:22.1, 38.69N; 03:23E, h7km, MD2.7

ISC 03 04:57:22.3, 0.9, 38.69N; 02:43:22E; 0.02, h11km, 7km, n25, c0875/51, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations and their recorded data for the 03 04:57:22 event.

IDD 03 05:01:54.3, 1.3, 8.34; 171S; 179:07E, h178km, 30km, mb3.8/6, mb1 4.0/7, mb1mx3.8/23, mbtmp4.3/7, Error ellipse: s-maj=34.5km s-min=18.7km az=51.0

WEL 03 05:01:59.0, 0.8, 35:29S; 178:94E, h214km, 7km, ML5.3/55, Error ellipse: s-maj=7.1km s-min=6.5km az=0

NEIC 03 05:02:00.5, 0.0, 35:46S; 178:96E, h221km, mb5.3/5, After WEL

ISC 03 05:01:59.4, 0.6, 35:25S; 07:178:76E; 0.08, h200km, n242, c206/235, mb4.2/10, 8C-10D, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations and their recorded data for the 03 05:01:59 event.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like PKVZ Pokaka, MTVZ Mangateitei, and various other locations.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like LBZ Lake Benmore, ODZ Otahua Downs, and various other locations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like AMT Armita-Makis, MESZ Methoni, and various other locations.







Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Severo-Kuril's, Kuril Islands, and various other locations.

SJA 03 07:54:50.4-1.1, 34.45S:73.33W, h10km, 24km, ML4.6, MW4.4

ICD 03 07:54:57.8-1.0, 34.21S:72.23W, h0km, mb4.4/8, mb1.4, 4/10, mb1mx4.2/26, mbtmp3, 3/10, ML4.3, MS3.9/11, Ms1.3, 9/11, ms1mx3.7/25, Error ellipse: s-maj=38.5km s-min=19.4km az=6.0

ISCJB 03 07:54:59.2-1.0, 34.28S:0.03E, 74.7W, 0.05, h19km, 7km, mb4.5/29, MS3.9/8, Error ellipse: s-maj=6.9km s-min=4.9km az=32.8

NEIC 03 07:55:00.0-0.0, 34.28S:72.37W, h16km, mb4.6/27, MW4.5, ML4.5(GUC), Moment Tensor Solution. s9 Moment tensor: Scale 10^15Nm; Mrr:0.24; Mss:2.62; Mtt:1.03; Mss:1.09; Mrr:5.11; Best double couple: Mc:0.0000x10^15 Np1.3s174.00000, 376.00000, 7.77.00000; NP2:4.00.00000, 819.00000, 134.00000; Principal axes: T:6.2400, P:677.0000; Az=67.0000; N:0.5400, Plg:13.0000; Az=177.0000; P:-5.7100, Plg:30.0000; Az=275.0000; After GUC.

NEIC Flg(III) at Iloca and (II) at Curico and Taica. Also felt at San Antonio and Vina del Mar.

GUC 03 07:55:00.2-0.7, 34.27S:72.30W, h22km, 3km, ML4.4

ISC 03 07:55:01.2-0.5, 34.32S:0.03E, 72.29W, 0.06, h21km, 2km, n100, e197/103, mb4.7/29, MS3.9/8, 2C-4D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Pichilemu, Hualaeso, Lualaba, and various other locations.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like RFA, AUSA, RTLS, and various other locations.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PLCA, Ustuaia, PB11, and various other locations.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PITGA, RUSA, HELC, and various other locations.

KRNAT 03 07:56:19.4-0.1, 39.49N:77.60E, mb3.5 SOME 03 07:56:19.7, 39.62N:77.37E, h5km, NNC 03 07:56:24.7, 39.65N:77.93E, h0km, mb3.6, mpv3.3, Error ellipse: s-maj=53.7km s-min=27.6km az=142.0

ISC 03 07:56:19.7-1.8, 39.46N:0.08E, 77.55E, 0.06, h10km, n34, e280/63, 20C-8D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like ULHL, SFK, ARLS, and various other locations.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like KST, KOTS, KOTB, and various other locations.

ISK 03 07:59:30.9, 38.75N:43.30E, h8km, ML2.5 ISCJB 03 07:59:31.4, 0.8, 38.72N:0.03E, 43.38E, 0.06, h28km, 6km, Error ellipse: s-maj=8.1km s-min=5.1km az=26.5

CSEM 03 07:59:31.6, 0.2, 38.77N:43.31E, h10km, ML2.5, Error ellipse: s-maj=4.9km s-min=3.8km az=125.0

DDA 03 07:59:31.7, 38.75N:43.32E, h7km, ML2.0 ISC 03 07:59:31.5-1.0, 38.73N:0.03E, 43.35E, 0.04, h25km, 8km, n20, e95/35, Turkey

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like VANB, VANV, and various other locations.

TEH 03 08:12:11.4, 39.38N:44.51E, h4km, ML3.0 NSSP 03 08:12:12.3, 39.53N:44.83E, h5km, Ms3.0 ISCJB 03 08:12:13.4, 1.3, 39.45N:0.08E, 44.8E, 0.2, h7km, Error ellipse: s-maj=24.4km s-min=4.8km az=153.1

CSEM 03 08:12:16.0, 1.5, 39.25N:44.80E, h5km, ML3.0, Error ellipse: s-maj=78.4km s-min=15.3km az=56.0

ISC 03 08:12:12.3-1.4, 39.39N:0.06E, 44.7E, 0.1, h7km, n13, e1502/19, 1C-2D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like GNI, GNR, GNB, and various other locations.

Table with columns: IBST, comp-Z, eAMB, AMB, 08 13 40.0, 2.44 133 ePn, Pb 08 12 56.2 -0.4

ISK 03 08:12:12.4, 37.50N, 38.72E, h11km, MD2.9
CSEM 03 08:12:12.9, 0.1, 37.47N, 38.73E, h10km, MD2.9, Error
ellipse: s-maj=3.2km s-min=2km az=171.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC

NIED 03 08:56:00, 32.60N, 141.90E, h5km, Mw3.6 Best double couple: M2 67000, 1014 N171, 174 00000, 3 00000, 1.63 00000, NP2=28 00000, 856 00000, 1 110 00000

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC

Table with columns: MAT, Matsushiro, 4.94 323 P, Pn 08 57 34.8 +0.3

Table with columns: H1S13, WAKE ISLAND HY 26.36 116 T, T 09 28 30.3

Table with columns: H1S2, WAKE ISLAND HY 26.36 116 T, T 09 28 29.7

Table with columns: H1S2, WAKE ISLAND HY 26.36 116 T, T 09 28 29.7

Table with columns: WRA, Warramunga Arr 52.75 189 P, P 09 05 32.6 -1.3

Table with columns: ASAR, Alice Springs 56.48 189 P, P 09 05 59.9 -1.1

ECX 03 09:12:37.6, 0.6, 32.26N, 115.33W, h5km, MD2.6, ML2.8
MEX 03 09:12:37.2, 0.4, 32.38N, 115.15W, h28km, MD3.7
ISC 03 09:12:35.9, 1.0, 32.31N, 115.29W, 0.05, h25km, 7km, region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC

Table with columns: TUTA, Guroymak-BITLI 0.92 269 eP, S, Sb 09 40 10.8 -0.5

Table with columns: TUTA, Guroymak-BITLI 0.92 269 eP, S, Sb 09 40 10.8 -0.5

Table with columns: TUTA, Guroymak-BITLI 0.92 269 eP, S, Sb 09 40 10.8 -0.5

Table with columns: TUTA, Guroymak-BITLI 0.92 269 eP, S, Sb 09 40 10.8 -0.5

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Table with columns: TUTA, Guroymak-BITLI 0.92 269 eP, S, Sb 09 40 10.8 -0.5

Table with columns: TUTA, Guroymak-BITLI 0.92 269 eP, S, Sb 09 40 10.8 -0.5

Table with columns: TUTA, Guroymak-BITLI 0.92 269 eP, S, Sb 09 40 10.8 -0.5

Table with columns: TUTA, Guroymak-BITLI 0.92 269 eP, S, Sb 09 40 10.8 -0.5

Table with columns: TUTA, Guroymak-BITLI 0.92 269 eP, S, Sb 09 40 10.8 -0.5

Table with columns: TUTA, Guroymak-BITLI 0.92 269 eP, S, Sb 09 40 10.8 -0.5

Table with columns: TUTA, Guroymak-BITLI 0.92 269 eP, S, Sb 09 40 10.8 -0.5

Table with columns: TUTA, Guroymak-BITLI 0.92 269 eP, S, Sb 09 40 10.8 -0.5

Table with columns: TUTA, Guroymak-BITLI 0.92 269 eP, S, Sb 09 40 10.8 -0.5











Table with columns: ARCO, CERRO ARCO, 3.23 118, i P, IAML, Pb, 11 30 21.1 -1.0, 11 30 31.3

CSEM 03 11:31:11.9,0.2,38.76N:43.45E,h10km,ML2.5,Error ellipse: s-maj=8.3km s-min=4.4km az=120.0

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

MOS 03 11:34:18.7,1.1,36.48N:71.43E,h93km,mb4.9/56,Error ellipse: s-maj=5.7km s-min=3.7km az=106.9

ISCJB 03 11:34:23.0,3.0,1.36:39N:0.02:71.45E:0.02,h114km,mb4.8/155,Error ellipse: s-maj=2.8km s-min=2.0km az=142.1

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

Main table with columns: Station Name, Time, Res, ISC, h m s, ISC, Station Name, Time, Res, ISC, h m s, ISC

Table with columns: Station Name, Time, Res, ISC, h m s, ISC, Station Name, Time, Res, ISC, h m s, ISC

3d 11h

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

2011 NOV

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

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, n, s, ISC. Includes stations like LSZ, LUSAKA, TORO, SFJD, MATP, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, n, s, ISC. Includes stations like BSMT, PDAR, CPUP, PLCA, HEL, NAO, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, n, s, ISC. Includes stations like PB10, PB10, LVC, PB04, etc.

439A	Center Grove,	59.79	335	P	P	11 50 04.5 +0.2
RKT	Rikitea	59.81	256	eLR	LR	12 07 35.8
242A	Graysen	59.95	337	P	P	11 50 04.5 -0.9
KMSC	Kings Mountain	59.97	348	P	P	11 50 05.2 -0.3
KMSC	Kings Mountain	59.97	348	eP	P	11 50 05.5 +0.1
SNA4	Sanae	59.98	160	P	P	11 50 05.1 -0.1
SNA4	Sanae	59.98	160	P	P	11 50 04.9 -0.3
SNA4	Sanae	59.98	160	P	P	11 50 04.4 -1.8
536A	Bastrop	60.10	332	P	P	11 50 05.9 -0.5
339A	Huntington	60.18	335	P	P	11 50 07.1 +0.2
241A	No Tard	60.19	337	P	P	11 50 06.9 -0.1
143A	Socs Landing,	60.28	338	P	P	11 50 08.1 +0.5
Y47A	UCPARC, Winfie	60.30	342	P	P	11 50 06.8 -0.9
142A	Monroe	60.32	338	P	P	11 50 08.4 +0.6
Z45A	Winona	60.34	340	P	P	11 50 07.8 -0.2
244A	Pea Ridge, Bel	60.49	340	P	P	11 50 09.5 +0.5
338A	Crockett	60.50	334	P	P	11 50 09.9 +0.8
240A	Hunter Patters	60.51	336	P	P	11 50 09.2 +0.1
436A	Wall Ranch, Ga	60.59	333	P	P	11 50 10.7 +0.9
NATX	Nacogdoches	60.60	335	P	P	11 50 10.3 +0.5
337A	Centerville	60.69	334	P	P	11 50 10.4 0.0
141A	Papa Simpson,	60.71	337	P	P	11 50 11.2 +0.7
Y45A	Yeager Farm, C	60.76	341	P	P	11 50 10.5 -0.3
239A	Gary	60.76	335	P	P	11 50 11.5 +0.7
435B	Jarrell	60.94	332	P	P	11 50 11.7 -0.4
140A	Cam and Jess,	60.98	336	P	P	11 50 12.1 -0.2
Z42A	Norrel Spur, H	60.98	338	P	P	11 50 12.1 -0.2
238A	Jacksonville	61.00	335	P	P	11 50 12.6 +0.1
Y44A	Strider, Charl	61.05	340	P	P	11 50 12.5 -0.3
336A	Riesel	61.15	333	P	P	11 50 13.2 -0.3
X45A	UM Field Stati	61.23	341	P	P	11 50 12.8 -1.1
Z41A	Richland Creek	61.27	337	P	P	11 50 14.2 0.0
Z37A	Washetta, Mont	61.27	334	P	P	11 50 13.9 -0.3
Z40A	Long Farm, Mag	61.48	337	P	P	11 50 16.3 +0.6
138A	Matatal Enter	61.57	335	P	P	11 50 16.8 +0.5
JCT	Junction City	61.66	330	P	P	11 50 17.2 +0.1
JCT	Junction City	61.66	330	eP	P	11 50 17.3 +0.2
JCT	Junction City	61.66	330	eP	P	11 50 17.3 +0.2
HPIG	comp=Z,27nm,1.2s	61.73	323	eP	P	11 50 18.8 +1.0
Y41A	Eaglette Beard,	61.76	333	P	P	11 50 17.6 0.0
137A	Heron Place, G	61.77	335	P	P	11 50 18.2 +0.5
X43A	Marvel	61.77	340	P	P	11 50 16.7 -1.0
W45A	Hickory Valley	61.85	341	P	P	11 50 17.6 -0.6
WHTX	Lake Whitney,	61.93	333	P	P	11 50 18.3 -0.5
Z38A	Mt. Pleasant	62.06	336	P	P	11 50 19.5 -0.1
Y40A	Okolona	62.12	337	P	P	11 50 19.6 -0.3
IP01	Cuckoo	62.20	352	eP	P	11 50 25.4 +4.9
LPIG	La Paz	62.31	317	LR	LR	12 12 43.9
V45A	Humboldt	62.33	342	P	P	11 50 20.3 -1.0
Y39A	Lockesburg	62.34	337	P	P	11 50 20.9 -0.5
Y38A	Idabel	62.56	336	P	P	11 50 22.7 -0.2
TXAR	Lajitas Array	62.58	326	P	P	11 50 23.8 +0.5
TX31	Lajitas Ar. Si	62.58	326	eP	P	11 50 23.3 0.0
Z36A	Blue Ridge	62.63	334	P	P	11 50 23.7 +0.3
MIAR	Mound Ida	62.70	337	P	P	11 50 23.5 -0.3
MIAR	Mound Ida	62.70	337	eP	P	11 50 23.5 -0.3
MIAR	Mound Ida	62.70	337	eP	P	11 50 23.5 -0.3
W41B	Gary	62.82	339	P	P	11 50 24.1 -0.5
X39A	Fountain Ranch	62.86	337	P	P	11 50 24.9 0.0
X301	Greenbrier Silt	62.93	339	eP	P	11 50 25.3 0.0
WHAR	Woolly Hollow	62.94	339	eP	P	11 50 25.2 -0.2
Y37A	Hugo	62.94	335	P	P	11 50 25.8 +0.3
W40A	Ferguson Farm,	63.11	338	P	P	11 50 26.3 -0.2
V42A	Cord	63.12	340	P	P	11 50 26.1 -0.5
Y36A	Durant	63.13	335	P	P	11 50 26.2 -0.4
U44A	Portageville	63.25	342	P	P	11 50 27.5 0.0
X38A	Whitesboro	63.26	336	P	P	11 50 27.7 +0.2
U43A	Rector	63.34	341	P	P	11 50 29.5 +1.5
V41A	Mountainview	63.35	339	P	P	11 50 27.6 -0.5
W39A	Magazine	63.36	338	P	P	11 50 28.4 +0.2
X37A	Clayton	63.39	336	P	P	11 50 28.2 -0.2
ABTX	Abilene, Hawle	63.41	331	P	P	11 50 28.6 -0.1
ABTX	Abilene, Hawle	63.41	331	eP	P	11 50 28.9 +0.3
Y35A	Marietta	63.43	334	P	P	11 50 28.8 +0.1
W38A	Poteau	63.51	337	P	P	11 50 29.4 +0.3
U42A	Reverend	63.58	340	P	P	11 50 28.5 -1.0
V40A	Witts Springs	63.59	339	P	P	11 50 29.0 -0.7
X36A	Centrahoma	63.74	335	P	P	11 50 30.0 -0.7
T44A	Benton	63.77	342	P	P	11 50 30.1 -0.7
U41A	Viola	63.78	340	P	P	11 50 30.1 -0.8
X35A	Drake	63.84	335	P	P	11 50 30.7 -0.7
V39A	Pettigrew	63.89	338	P	P	11 50 31.5 -0.3
W37B	Quinton	63.90	336	P	P	11 50 31.8 0.0
T43A	Greenville	63.97	341	P	P	11 50 31.4 -0.7
WCI	Wyandotte Cave	63.99	345	eP	P	11 50 30.8 -1.4

WCI	Wyandotte Cave	63.99	345	eP	P	11 50 30.8 -1.4
S45A	Carroll Hills	64.04	343	P	P	11 50 31.4 -1.2
U40A	Yellville	64.10	339	P	P	11 50 32.5 -0.6
V38A	Caneyhill	64.18	337	P	P	11 50 33.3 -0.3
W36A	Wetumka	64.20	336	P	P	11 50 32.9 -0.9
S44A	Carbondale	64.24	342	P	P	11 50 33.0 -0.9
U39A	Green Forest	64.33	338	P	P	11 50 33.8 -0.7
S43A	Fulton Ridge,	64.36	342	P	P	11 50 33.5 -1.2
T41A	Mountain View	64.38	340	P	P	11 50 34.0 -0.9
HHAR	Hobbs	64.40	338	eP	P	11 50 34.9 -0.1
V37A	Hulbert	64.46	337	P	P	11 50 35.0 -0.4
W35A	Tecumseh	64.46	335	P	P	11 50 34.4 -1.0
NVL	N Lazarevskaya	64.56	159	eP	P	11 50 35.5 +0.1
O56A	Blue Knob Stat	64.56	352	P	P	11 50 36.4 +0.4
V36A	Jenks	64.67	336	P	P	11 50 36.2 -0.6
U38A	Gravette	64.69	338	P	P	11 50 36.3 -0.6
R44A	Waltonville	64.71	343	P	P	11 50 35.8 -1.2
T40A	Mansfield	64.71	339	P	P	11 50 36.3 -0.7
TUL1	Leonard	64.72	336	P	P	11 50 36.7 -0.4
TUL1	Leonard	64.72	336	eP	P	11 50 37.1 0.0
S42A	Caledonia	64.75	341	P	P	11 50 35.9 -1.3
WMOK	Wichita Mounta	64.86	333	P	P	11 50 37.2 -0.9
S41A	Jillico Farms,	64.87	340	P	P	11 50 37.4 -0.7
T39A	Cleaver	64.88	339	P	P	11 50 37.6 -0.5
U37A	Salina	64.92	337	P	P	11 50 37.9 -0.5
BLO	Bloomington	64.94	345	eP	P	11 50 44.0 +5.6
BLO	Bloomington	64.94	345	eP	P	11 50 44.0 +5.6
R43A	Red Bud	64.97	342	P	P	11 50 37.4 -1.2
V35A	Meyer Ranch, C	64.98	335	P	P	11 50 38.1 -0.8
S40A	Lebanon	65.12	340	P	P	11 50 39.1 -0.5
U36A	Oologah	65.13	337	P	P	11 50 39.0 -0.7
CCM	Cathedral Cave	65.15	341	eP	P	11 50 38.9 -0.9
CCM	Cathedral Cave	65.15	341	eP	P	11 50 38.9 -0.9
T38A	Diamond	65.20	338	P	P	11 50 39.9 -0.3
ACSO	Alum Creek Sta	65.22	348	eP	P	11 50 39.7 -0.5
R42A	Luebbing	65.23	341	P	P	11 50 39.6 -0.7
Q44A	Meyer Farm, Va	65.31	343	P	P	11 50 40.0 -0.8
MNTX	Cornudas Mount	65.36	326	P	P	11 50 41.2 -0.2
MNTX	Cornudas Mount	65.36	326	eP	P	11 50 41.0 -0.3
R41A	Rosebud	65.42	341	P	P	11 50 40.9 -0.6
N54A	Moraine State	65.44	351	P	P	11 50 41.7 +0.1
S39A	Bolivar	65.47	339	P	P	11 50 41.5 -0.4
U35A	Pawnee	65.48	336	P	P	11 50 41.8 -0.2
T37A	Cheneyville 18	65.49	338	P	P	11 50 41.5 -0.6
P46A	Roadside	65.53	345	P	P	11 50 41.6 -0.6
Q43A	New Douglas	65.53	342	P	P	11 50 40.8 -1.4
S38A	Stockton	65.51	339	P	P	11 50 42.3 -0.4
R40A	Maddies Statio	65.68	340	P	P	11 50 42.6 -0.7
P44A	Sand Creek, Wi	65.74	344	P	P	11 50 43.9 +0.4
Q42A	Golden Eagle	65.74	342	P	P	11 50 42.5 -1.0
T36A	Boggs Farm, Ca	65.78	337	P	P	11 50 43.4 -0.5
O47A	Beridan	65.87	346	P	P	11 50 42.7 -1.7
T35A	Sooner Cattle	65.88	336	P	P	11 50 44.2 -0.4
M54A	Oil Creek Stat	65.93	351	P	P	11 50 44.6 -0.2
R39A	Chumby, Stover	65.94	340	P	P	11 50 44.3 -0.6
MSTX	Muleshoe	65.95	330	P	P	11 50 45.2 0.0
MSTX	Muleshoe	65.95	330	eP	P	11 50 45.2 0.0
Q41A	Truxton	65.98	341	P	P	11 50 44.5 -0.7
S37A	Fort Scott	66.03	338	P	P	11 50 45.3 -0.2
R38A	Fenwick Farm,	66.11	339	P	P	11 50 45.5 -0.5
P43A	Skags, Pawnee	66.14	343	P	P	11 50 45.0 -1.1
QSPA	South Pole Qui	66.17	180	eP	P	11 50 46.6 +0.3
T34A	McCleaskey Farm	66.23	336	P	P	11 50 46.6 -0.2
S36A	Lake Cedric, C	66.27	337	P	P	11 50 46.6 -0.4
P42A	Winchester	66.31	342	P	P	11 50 46.1 -1.1
HSIG	comp=Z,23nm,1.0s	66.32	320	eP	P	11 50 48.8 +1.2
U32A	Winter Ranch,	66.37	334	P	P	11 50 47.2 -0.5
S35A	Outer Creek Ra	66.49	337	P	P	11 50 48.1 -0.3
R37A	Teagarden ranch	66.53	338	P	P	11 50 48.2 -0.5
Q39A	Willow Grove F	66.59	340	P	P	11 50 48.6 -0.5
P41A	Barry, Barry	66.60	342	P	P	11 50 48.0 -1.0
N46A	Monteolio	66.63	346	P	P	11 50 47.6 -1.7
Q38A	Cooks Store, C	66.72	339	P	P	11 50 49.6 -0.3
P40A	Paris	66.75	341	P	P	11 50 49.4 -0.6
R36A	Gordon, Harris	66.77	338	P	P	11 50 49.7 -0.5
S34A	Willow Spring	66.80	336	P	P	11 50 48.8 -1.6
O42A	Bath	66.81	343	P	P	11 50 49.2 -1.2
Q37A	Longview Farm,	66.91	339	P	P	11 50 50.3 -0.9
P39B	Galbary	66.93	340	P	P	11 50 50.6 -0.6
O41A	Passleys Farm,	66.95	342	P	P	11 50 50.1 -1.3
R35A	Emporia Munic	67.02	337	P	P	11 50 51.1 -0.7
M46A	Old House Fiel	67.03	346	P	P	11 50 50.7 -1.1
319A	Douglas	67.16	323	eP	P	11 50 54.6 +1.6

O40A	La Belle	67.24	341	P	P	11 50 52.5 -0.7
121A	Cookes Peak, D	67.26	325	P	P	11 50 55.2 +1.6
121A	Cookes Peak, D	67.26	325	eP	P	11 50 54.5 +0.9
P38A	Dawn	67.30	340	P	P	11 50 52.9 -0.6
Q36A	Arnold C. Orve	67.33	338	P	P	11 50 52.7 -1.1
R34A	Isabella, Hill	67.38	336	P	P	11 50 53.8 -0.3
N42A	Yates City	67.39	343	P	P	11 50 52.8 -1.2
Q35A	Mercer Eighty,	67.44	338	P	P	11 50 53.7 -0.7
N41A	Harden Midland	67.50	342	P	P	11 50 53.4 -1.4
P37A	Lathrop	67.52	339	P	P	11 50 54.0 -0.9
O39A	Kirkville	67.57				

KSC0	Kaye Shedlock'	70.10 333	eP	P	11 51 12.3 +1.1	H34A	Spellman Lake,	72.57 340	P	P	11 51 25.3 -0.4	K22A	Casper	74.77 332	P	P	11 51 39.7 +0.9
KSC0			eP	P	11 51 36.7 +1.3	E40A	Wakefield	72.62 345	P	P	11 51 25.8 -0.2	K22A	Casper	74.77 332	eP	P	11 51 39.7 +0.9
J39A	Decorah	70.17 343	P	P	11 51 10.5 -0.8	PV09	Parox Valley	72.62 328	eP	P	11 51 28.1 +1.6	BLG	Laguna Peak,	74.78 319	P	P	11 51 36.5 -2.5
L35A	Bielow Farm, R	70.19 339	P	P	11 51 10.9 -0.5	U15A	North Rim	72.62 325	eP	P	11 51 28.5 +1.9	C35A	Jirik Farms, M	74.81 343	P	P	11 51 38.2 -0.6
K37A	Belmond	70.20 341	P	P	11 51 10.2 -1.2	F37A	Hinrichs Farm,	72.63 343	P	P	11 51 25.7 -0.3	LRMC	Laurel Mtn Rad	74.92 321	P	P	11 51 41.1 +1.3
M33A	Taylor Creek F	70.26 338	P	P	11 51 11.1 -0.8	F38A	Pierce - Schro	72.65 344	P	P	11 51 25.8 -0.3	E31A	Nome	74.92 340	P	P	11 51 39.3 -0.1
H43A	Windswept, Lux	70.26 346	P	P	11 51 11.1 -0.7	G35A	Watkins	72.69 342	P	P	11 51 25.8 -0.6	OSI	Osito Audit: C	74.93 319	P	P	11 51 40.0 +0.2
W18A	Petrified Fore	70.28 325	P	P	11 51 13.8 +1.4	E39A	Melton	72.71 345	P	P	11 51 26.0 -0.5	RSSD	Black Hills	74.97 335	P	P	11 51 40.6 +0.5
SDCO	Great Sand Dun	70.31 330	P	P	11 51 13.7 +1.0	109C	Camp Elliot, M	72.76 319	P	P	11 51 28.3 +1.2	RSSD	Black Hills	74.97 335	eP	P	11 51 40.8 +0.7
SDCO	Great Sand Dun	70.31 330	eP	P	11 51 13.7 +1.0	H33A	Prehn Over Nor	72.88 340	P	P	11 51 27.4 -0.2	RSSD	Black Hills	74.97 335	eP	P	11 51 40.8 +0.7
K36A	Gilmore City	70.32 340	P	P	11 51 11.7 -0.5	XPFO	Pizon Flat	72.88 320	eP	P	11 51 29.6 +1.6	MPU	Maple Canyon	75.02 328	eP	P	11 51 41.9 +1.6
L34A	Svendens Farm,	70.33 339	P	P	11 51 11.5 -0.8	PFO	Pinyon Flats O	72.89 320	eP	P	11 51 29.5 +1.5	C34A	RKJ Ranch, Bem	75.02 342	P	P	11 51 39.4 -0.5
J38A	Wedel Dairy, R	70.37 342	P	P	11 51 11.3 -1.2	PFO		72.89 320	eP	P	11 51 29.5 +1.5	SC2Z	Santa Cruz Isl	75.05 318	P	P	11 51 41.3 +0.9
I41A	Arkdale	70.37 344	P	P	11 51 11.1 -1.4	PFO		72.89 320	eP	P	11 51 29.5 +1.5	FURC	Furnace Creek,	75.15 322	P	P	11 51 42.6 +1.7
PQI	Presque Isle	70.37 1	eP	P	11 51 33.2 -0.1	I31A	Royce, Wessing	72.89 338	P	P	11 51 27.5 -0.2	TPNV	Topopah Spring	75.15 323	P	P	11 51 43.1 +1.9
H40I	Norwalk	70.40 344	P	P	11 51 11.2 -1.5	BELC	Belle Mtn. Jos	72.89 321	P	P	11 51 29.3 +1.3	TPNV	Topopah Spring	75.15 323	eP	P	11 51 43.1 +1.9
BGNE	Belgrade	70.44 337	P	P	11 51 13.1 +0.1	D41A	Chapel	72.90 346	P	P	11 51 27.7 +0.1	TPNV	Topopah Spring	75.15 323	eP	P	11 51 43.1 +1.9
BGNE	Belgrade	70.44 337	eP	P	11 51 13.2 +0.2	H32A	Carlson Farm,	72.95 339	P	P	11 51 27.6 -0.4	D32A	Dogwood Acres,	75.17 341	P	P	11 51 40.8 -0.2
H42A	Shiocton	70.47 345	P	P	11 51 12.3 -0.8	F36A	Millett	73.00 342	P	P	11 51 27.5 -0.7	NLU	North Lily Min	75.19 327	eP	P	11 51 42.8 +1.4
I39A	Houston	70.60 343	P	P	11 51 13.3 -0.6	G34A	Benson	73.05 341	P	P	11 51 27.6 -0.9	MPMC	Manual Spring	75.21 321	P	P	11 51 42.7 +1.1
K35A	Storm Lake	70.64 340	P	P	11 51 13.0 -1.2	N23A	Red Feather La	73.08 332	P	P	11 51 29.6 +0.5	D31A	Mcclellin, Tow	75.31 340	P	P	11 51 41.6 0.0
L13A	Mohawk Valley,	70.72 321	eP	P	11 51 41.0 +1.9	LDFC	Landfair	73.16 322	eP	P	11 51 31.8 +2.2	ARVC	Arvin	75.34 320	P	P	11 51 43.6 +1.5
113A	Hoskins	70.71 338	P	P	11 51 14.8 -0.4	E38A	The Farm, Brul	73.17 344	P	P	11 51 28.9 -0.3	B35A	Bob, Littlefor	75.35 343	P	P	11 51 41.4 -0.4
H41A	Junction City	70.84 345	P	P	11 51 14.7 -0.6	PHWY	Pilot Hill	73.21 332	eP	P	11 51 30.8 +0.8	C33A	Trail	75.36 342	P	P	11 51 41.5 -0.5
K34A	Le Mars	70.89 339	P	P	11 51 15.6 0.0	G33A	Ortonville	73.25 340	P	P	11 51 29.1 -0.6	JLU	Jordanelle	75.38 328	eP	P	11 51 43.7 +1.2
J36A	Seneca 1, Swea	70.92 341	P	P	11 51 15.1 -0.8	GMRC	Granite Mounta	73.26 321	P	P	11 51 31.8 +1.6	DAC	Darwin (Calif)	75.43 321	eP	P	11 51 44.1 +1.3
L32A	Elgin	70.92 338	P	P	11 51 15.6 -0.4	H31A	Wolcott	73.27 339	P	P	11 51 29.5 -0.3	DAC	Darwin (Calif)	75.43 321	eP	P	11 51 44.1 +1.3
I38A	Scanlan Farm,	70.99 343	P	P	11 51 15.4 -0.8	F35A	Swanville	73.29 342	P	P	11 51 29.3 -0.7	ISA	Isabella, Lake	75.51 320	P	P	11 51 44.7 +1.6
H40A	Chili	71.03 344	P	P	11 51 15.8 -0.7	SBA	Scott Base	73.31 191	eP	P	11 51 31.3 +1.5	ISA	Isabella, Lake	75.51 320	eP	P	11 51 44.7 +1.6
K33A	Hardington	71.11 339	P	P	11 51 16.9 -0.1	SBA	Scott Base	73.31 191	eP	P	11 51 31.3 +1.5	ISA	Isabella, Lake	75.51 320	eP	P	11 51 44.7 +1.6
G42A	Mountain	71.14 346	P	P	11 51 17.0 -0.2	MURC	Murieta	73.31 320	P	P	11 51 31.7 +1.3	CTU	Camp Tracy	75.59 328	eP	P	11 51 44.9 +1.3
Y14A	Wickenburg	71.15 323	eP	P	11 51 19.0 +1.5	KNB	Kanab	73.34 325	eP	P	11 51 32.7 +2.0	B34A	Aery, Baudette	75.72 343	P	P	11 51 43.2 -0.7
Q24A	Divide	71.15 331	P	P	11 51 18.7 +1.0	KNB	Kanab	73.34 325	eP	P	11 51 32.7 +2.0	DUG	Dugway, Tooele	75.74 327	P	P	11 51 45.6 +1.2
Q24A	Divide	71.15 331	eP	P	11 51 18.8 +1.0	KNB	Kanab	73.34 325	eP	P	11 51 32.7 +2.0	DUG	Dugway, Tooele	75.74 327	eP	P	11 51 45.9 +1.4
I37A	Lemond, Waseca	71.27 342	P	P	11 51 17.2 -0.8	SUSD	Miller	73.40 338	P	P	11 51 30.1 -0.5	DUG	Dugway, Tooele	75.74 327	eP	P	11 51 45.9 +1.4
G41A	Antigo	71.29 345	P	P	11 51 17.7 -0.3	F04A	Alexandria	73.43 341	P	P	11 51 30.3 -0.5	TCUT	Toone Canyon	75.76 328	eP	P	11 51 46.1 +1.4
MVCO	Mesa Verde	71.30 328	P	P	11 51 19.6 +1.0	O20A	White River Ci	73.50 330	eP	P	11 51 32.8 +1.2	PKM	McPherson Peak	75.77 319	P	P	11 51 46.2 +1.4
MVCO	Mesa Verde	71.30 328	eP	P	11 51 19.8 +1.2	E36A	McGregor	73.53 343	P	P	11 51 30.6 -0.7	B33A	Robert and Kas	75.78 342	P	P	11 51 43.7 -0.5
J34A	George	71.38 340	P	P	11 51 17.9 -0.7	LCMT	Little Creek M	73.56 325	eP	P	11 51 33.5 +1.5	R11A	Troy Canyon, C	75.80 324	P	P	11 51 46.6 +1.7
F43A	Flat Rock, Esc	71.43 347	P	P	11 51 17.7 -1.2	HEC	Hector, Ludlow	73.68 321	P	P	11 51 34.4 +1.8	GRAC	Grapevine Rang	75.81 322	P	P	11 51 46.2 +1.4
WUAZ	Wupatki	71.45 325	P	P	11 51 21.1 +1.6	SRU	San Rafael Swe	73.77 328	eP	P	11 51 34.2 +1.0	CWC	Cottonwood Cre	75.82 321	P	P	11 51 46.2 +1.2
WUAZ	Wupatki	71.45 325	eP	P	11 51 21.2 +1.7	SRU	San Rafael Swe	73.77 328	eP	P	11 51 34.2 +1.0	AGMN	Agassiz Nation	75.88 342	eP	P	11 51 44.3 -0.5
K32A	Verdigre	71.49 338	P	P	11 51 18.7 -0.7	F33A	5 Mile Ranch,	73.78 341	P	P	11 51 32.0 -0.8	AGMN	Agassiz Nation	75.88 342	eP	P	11 51 44.3 -0.5
OGNE	Ogallala	71.50 334	P	P	11 51 20.1 +0.6	MTPU	Mount Pierson	73.79 326	eP	P	11 51 35.2 +1.7	C31A	Landman Farms,	75.97 341	P	P	11 51 45.0 -0.4
GLA	Glamis	71.53 321	P	P	11 51 20.9 +1.1	G31A	Conde	73.84 339	P	P	11 51 32.7 -0.5	VES	Vestal, Richgr	75.99 320	P	P	11 51 47.1 +1.3
H38A	Malden Rock	71.57 343	P	P	11 51 18.7 -1.0	TUQ	Turquoise Moun	73.88 322	P	P	11 51 35.2 +1.4	B32A	Ashes, Strandg	76.16 342	P	P	11 51 46.2 -0.2
F42A	Maple Grove Fa	71.57 346	P	P	11 51 19.2 -0.5	E35A	Pequot Lakes	73.88 342	P	P	11 51 33.0 -0.4	SMCC	Simmler	76.16 319	P	P	11 51 48.7 +1.8
I35A	Creekview Farm	71.59 341	P	P	11 51 19.2 -0.7	D37A	Cotton	73.91 344	P	P	11 51 33.1 -0.4	BW06	Boulder Array	76.19 331	P	P	11 51 47.4 +0.3
H37A	Dierke Farm, C	71.66 342	P	P	11 51 20.0 -0.2	SZCU	Shurtz Canyon	73.92 325	eP	P	11 51 36.1 +2.0	BW06	Boulder Array	76.19 331	eP	P	11 51 47.2 +0.2
K31A	O'Neill	71.72 337	P	P	11 51 21.0 +0.2	Q16A	Castle Valley	73.94 327	eP	P	11 51 36.0 +1.7	PD31	Pinedale Array	76.19 331	eP	P	11 51 47.7 +0.6
J33A	Davis	71.73 339	P	P	11 51 20.3 -0.4	C39A	Grand Marais	73.96 345	P	P	11 51 32.9 -0.9	PDAR	Pinedale Array	76.19 331	eP	P	11 51 47.2 +0.2
G39A	Holcombe	71.84 344	P	P	11 51 20.7 -0.6	CCUT	Cedar City	74.03 325	eP	P	11 51 37.0 +2.2	A33A	Warroad	76.33 343	P	P	11 51 47.0 -0.3
Y12C	Blythe	71.86 321	eP	P	11 51 23.5 +1.8	BFSC	Mount Baldy Ra	74.03 320	P	P	11 51 35.8 +1.1	TIN	Tinemaha, Big	76.34 322	P	P	11 51 48.7 +0.8
H36A	Jesseland, He	71.94 342	P	P	11 51 21.8 -0.2	E34A	Wadena	74.06 342	P	P	11 51 34.0 -0.5	BGU	Big Grassy Mou	76.40 327	eP	P	11 51 49.1 +1.0
ECSD	EROS Data Cent	71.99 339	P	P	11 51 22.0 -0.3	RRR	Edwin Barstow	74.09 321	P	P	11 51 36.3 +1.3	RCTC	Rector, Farmer	76.40 320	P	P	11 51 48.7 +0.7
ECSD	EROS Data Cent	71.99 339	eP	P	11 51 21.8 -0.5	D36A	Goodland	74.11 343	P	P	11 51 34.2 -0.5	SPUT	South Promonto	76.41 328	eP	P	11 51 49.6 +1.4
IKP	In-Ko-Pah, Jac	72.00 320	P	P	11 51 24.2 +1.5	C38A	Sawhill Land,	74.14 345	P	P	11 51 33.7 -1.1	B31A	Greenbush Farm	76.51 341	P	P	11 51 47.8 -0.6
SWSC	Sam W. Stewart	72.03 320	P	P	11 51 24.1 +1.4	P17A	Butcher Ranch,	74.16 328	eP	P	11 51 36.6 +1.2	PAGB	Antelope Grade	76.60 319	eP	P	11 51 51.2 +1.9
I34A	Hadley	72.03 340	P	P	11 51 21.9 -0.7	SHY	Syowa Base	74.22 159	eP	P	11 51 33.5 -1.6	MDND	Maddock	76.61 339	P	P	11 51 49.5 +0.5
ISCO	Idaho Springs	72.04 331	P	P	11 51 23.8 +0.8	MWC	Mount Wilson	74.26 320	eP	P	11 51 37.5 +1.4	MDND	Maddock	76.61 339	eP	P	11 51 49.9 +0.9
ISCO	Idaho Springs	72.04 331	eP	P	11 51 24.1 +1.0	MWC	Mount Wilson	74.26 320	eP	P	11 51 37.5 +1.4	A32A	Rocking H Ranc	76.62 342			



3d 11h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like LAO LASA Array, WAKR Walker, YFT Old Faithful, etc.

2011 NOV

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like ETW Entiat, B08A Colville Reser, C06D Leavenworth, etc.

142

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

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like USRK, MYJN, DMN, etc.

JMA 03 11:42:52.5, 36.86N, 140.57E, h7km, M1.6, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like JHO, ONAJ, JFT, etc.

Main table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like PCVE, MESJ, EGRO, LIS, etc.

Main table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like PMRV, PCAS, COI, etc.

3d 11h

Table of astronomical observations for 3d 11h, listing station names (e.g., PBRG Braganca), coordinates, and other parameters.

2011 NOV

Main table of astronomical observations for 2011 NOV, including station names, coordinates, and observation details.

144

Table of astronomical observations for station 144, listing station names, coordinates, and observation details.



3d 13h

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Neokhori, Xorichti, Fytoko, Volos, Agios Georgios, etc.

2011 NOV

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

146

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like San Pedro de C, Chilian, Pichilemu, etc.

ISCJB 03 13:38:13.5±1.0, 41.131N±0.05; 19.85E±0.06, h23km, 5km, Error ellipse: s-maj=10.2km s-min=6.3km az=37.0

CSEM 03 13:38:13.7±0.4, 41.151N; 19.89E, h20km, ML2.5, Error ellipse: s-maj=8.8km s-min=5.9km az=27.0

SKO 03 13:38:13.8, 41.20N, 19.71E, h15km, TIR 03 13:38:13.1±0.7, 41.18N; 19.85E, h20km, 4km, ML2.5

PDG 03 13:38:14.1±0.3, 41.28N; 19.97E, h25km, ML2.9, Error ellipse: s-maj=1.7km s-min=1.9km az=0.0

ISC 03 13:38:12.2±1.5, 41.14N; 0.06; 19.75E±0.03, h14km, 9km, n40, c084/76, 12C-10D, Albania

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

IDC 03 13:32:54.0±0.8, 36.111S; 73.28W, h0km, mb4.0/7, mb1.4/2.1, mb1mx4.1/2.7, mbmp4.1/1.1, ML4.1/3, MS3.6/7, Ms1.3/5.7, ms1mx3.3/2.3, Error ellipse: s-maj=31.2km s-min=15.6km az=82.0

NEIC 03 13:32:56.0±0.0, 36.04S; 73.50W, h26km, ML4.2(GUC), After GUC.

NEIC Felt [I] at Concepcion. GUC 03 13:32:56.1±0.7, 36.04S; 73.49W, h26km, 5km, ML4.2

ISCJB 03 13:32:57.0±0.6, 36.07S; 0.04; 73.35W±0.08, h33km, mb3.9/7, MS3.3/3, Error ellipse: s-maj=8.7km s-min=5.4km az=175.3

ISC 03 13:32:59.0±0.6, 36.03S; 0.04; 73.34W±0.08, h35km, n30, c158/33, mb4.1/7, MS3.3/3, Near coast of central Chile, az=175.3

Code Station Name Az E Lev Freq ID Time Res

COCH Cobquecura 0.45 102 i P Pn 13:30 07.0 -1.9

Table with columns: BRY, Bratogost, 1.98 333, P, Pb, 13 38 47.6 -0.5, etc.

ISCJB 03 13:44:18.6:0.4, 24.78N:0.03:122.39E:0.02, h3km, 4km, Error ellipse: s-maj=4.8km s-min=2.5km az=5.9

JMA 03 13:44:19.4:0.1, 24.72N:122.33E, h4km, LVC, M2.7

TAP 03 13:44:19.7:24.77N:122.19E, h1km, ML3.2, D

ISC 03 13:44:19.2:0.1, 24.75N:0.03:122.34E:0.02, h17km, 8km, n40, c0577/66, Taiwan region

Main table for 2011 NOV, columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

NEIC 03 13:46:33.0:0.0, 31.30S:72.38W, h15km, mb4.3/1, ML4.4(GUC), After GUC.

GUC 03 13:46:33.7:0.7, 31.30S:72.38W, h15km, 10km, ML4.4

ISCJB 03 13:46:35.2:0.7, 31.30S:0.03:72.36W:0.09, h14km, mb4.3/6, MS3.6/3, Error ellipse: s-maj=11.3km s-min=4.9km az=1.4

IDC 03 13:46:35.8:0.9, 31.34S:71.94W, h0km, mb4.4/6, mb1.4/3.0, mb1mx4.1/27, mbtmp4.2/10, ML4.2/4, MS3.5/5, Ms1.3/5.5, ms1mx3.3/19, Error ellipse: s-maj=32.5km s-min=19.4km az=92.0

ISC 03 13:46:37.0:0.7, 31.29S:0.05:72.18W:0.09, h14km, n31, c153/30, mb4.5/6, MS3.6/3, 2C, Off coast of central Chile

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

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

Table with columns: ROCH, ROCH, 1.98 333, P, Pb, 13 38 47.6 -0.5, etc.

comp=N, 4um, 0.6s PEL Peidehue 2.24 146 P P Pb 13 47 13.3 -0.4

CLCH Cerro Calan 2.51 147 P P Pb 13 47 17.3 -0.2

FCH Farellones 2.58 142 E P Pn 13 47 18.6 -0.1

LCO Las Campanas 2.61 30 E P Pn 13 47 19.3 +0.3

LCO Las Campanas 2.61 30 E Pn Pn 13 47 19.7 +0.7

LCO Las Campanas 2.61 30 E Pn Pn 13 47 19.7 +1.1

YACH Yallénar 9.27 25 E P Pn 13 47 23.3 -0.5

LVC Limon Verde 2.12 19 Pn Pn 13 48 50.5 +1.7

LVC Limon Verde 9.12 19 Pn Pn 13 48 48.5 -0.2

PLCA Paso Flores 9.51 173 P P Pb 13 48 53.6 0.0

TRQA Torquiste 15.39 15 Pn Pn 13 49 09.9 -0.8

CPUP Villa Florida 13.92 73 Pn Pn 13 49 52.9 -1.0

CPUP Villa Florida 13.92 73 Pn Pn 13 49 52.9 -1.0

LPAZ La Paz 15.39 15 Pn Pn 13 50 15.9 +1.5

NNA Nana 19.69 346 P P 13 50 59.5 -6.5

BDFB Brasilia 27.00 60 P P 13 52 17.4 -1.4

ROSC El Rosal 35.99 356 LR LR 14 09 18.4

SNAA Sanaa 54.13 159 P P 13 56 01.6 +0.3

QSPA South Pole Qui 58.94 180 E P P 13 56 36.5 +0.9

TXAR Lajitas Array 67.33 330 E P P 13 57 33.5 +1.8

DBIC Dimbokro 74.44 72 P P 13 58 15.3 +0.2

MAW Mawson 75.80 164 P P 13 58 22.7 +0.6

MAW Mawson 75.80 164 P P 13 58 22.7 +0.6

TORD Torodi Ar. Bea 83.40 70 P P 13 59 04.7 +0.3

H11S2 WAKE ISLAND Hy25.67 271 T T 16 24 33.9

H11S1 WAKE ISLAND Hy25.67 271 T T 16 24 29.5

H11S3 WAKE ISLAND Hy25.67 271 T T 16 24 39.3

H11N3 WAKE ISLAND Hy25.99 273 T T 16 24 57.1

H11N1 WAKE ISLAND Hy26.01 273 T T 16 24 55.0

H11N2 WAKE ISLAND Hy26.01 273 T T 16 24 56.8

ZALV Zalesovo Beam 151.97 29 PKPbc PKPbc 14 06 32.1 +0.9

ZALV Zalesovo Beam 151.97 29 PKPbc PKPbc 14 06 32.1 +0.9

MKAR Makanchi Array 155.00 44 PKP PKPdf 14 06 29.5 +0.2

MKAR Makanchi Array 155.00 44 PKP PKPdf 14 06 29.5 +0.2

NEIC 03 14:01:29.1:0.0, 16.54N:96.18W, h59km, MD4.0(MEX), After MEX.

MEX 03 14:01:29.1:0.7, 16.54N:96.18W, h59km, 11km, MD4.0, Oaxaca

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

WAR 03 14:02:44.7:0.5, 20.24N:18.89E, h1km, Mw2.1

CSEM 03 14:02:53.7:0.2, 50.25N:18.82E, h2km, ML2.1, Error ellipse: s-maj=4.9km s-min=2.4km az=2.0

PRU 03 14:02:54.2:0.2, 26.18N:18.93E, h0km, Poland

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

OKC Ostrava-Krasne 0.61 226 E Pn Pn 14 03 14.0 +0.2

OKC Ostrava-Krasne 0.61 226 E Pn Pn 14 03 14.0 +0.2

OKC Ojcow 0.62 93 E Pn Pn 14 03 13.7 -0.5

OKC Ojcow 0.62 93 E Pn Pn 14 03 13.7 -0.5

Table with columns: GEVA Gevas, 0.39 183, P, Pg, 14 04 11.1 -0.3, etc.

VMUR Van-Muradiye 0.48 53 P P Pb 14 04 17.3 +0.9

TATV Tatvan 0.67 254 P P Pb 14 04 16.5 -0.1

TATV Tatvan 0.67 254 P P Pb 14 04 16.5 -0.1

TATV Tatvan 0.67 254 P P Pb 14 04 16.5 -0.1

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TATV Tatvan 0.67 254 P P Pb 14 04 16.5 -0.1

ISCJB 03 14:04:33.4: 1.1, 38.66N:0.05:43.41E:0.07, h25km, 6km, Error ellipse: s-maj=10.4km s-min=5.9km az=36.9

CSEM 03 14:04:33.9:0.2, 38.72N:43.31E, h5km, ML2.5, Error ellipse: s-maj=5.4km s-min=4.8km az=104.0

DDA 03 14:04:33.9, 38.72N:43.33E, h7km, ML2.9

ISC 03 14:04:33.0, 38.71N:43.33E, h5km, ML2.5

ISC 03 14:04:33.8: 1.1, 38.70N:0.02:43.37E:0.03, h19km, 2km, n16, c059/30, Turkey

Main table for 2011 NOV, columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

ISK 03 14:09:29.8, 37.26N:28.22E, h5km, MD2.6

ISCJB 03 14:09:30.4:0.5, 37.25N:0.03:28.20E:0.03, h0km, Error ellipse: s-maj=4.8km s-min=3.8km az=173.9

DDA 03 14:09:30.4, 37.25N:28.20E, h7km, ML2.4, Suspected Mining explosion.

CSEM 03 14:09:30.5:0.2, 37.25N:28.21E, h1km, ML2.4, Error ellipse: s-maj=3.8km s-min=3.0km az=10.0, Suspected Mining explosion.

ISC 03 14:09:30.8:0.8, 37.24N:0.03:28.20E:0.02, h0km, m24, c153/39, Turkey

Main table for 2011 NOV, columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

IDC 03 14:10:50.4:0.6, 9.66N:141.73E, h0km, mb4.2/21, mb1.4/2/3, mb1mx4.2/5.4, mbtmp4.3/23, ML2.7/1, MS3.4/11, Ms1.3/4/11, ms1mx3.2/30, Error ellipse: s-maj=22.9km s-min=13.2km az=91.0

NEIC 03 14:10:51.7:0.4, 9.64N:141.66E, h10km, mb4.4/4, Error ellipse: s-maj=13.6km s-min=7.6km az=100.0

ISCJB 03 14:10:52.0:0.5, 9.63N:0.06:141.79E:0.09, h33km, mb4.2/4, MS3.5/10, Error ellipse: s-maj=13.4km s-min=7.3km az=22.5

ISC 03 14:10:55.5:0.6, 9.66N:0.08:141.8E:0.1, h35km, n41, c1508/34, mb4.3/24, MS3.4/10, Western Caroline Islands

Main table for 2011 NOV, columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

3d 14h

Table with columns: H11N1, H11N2, H11N3, MJAR, MAJO, MAT, WRAB, WRA, WFR, KSRs, KSRs, KSAR, ASAR, ASAR, ASAR, USRK, KLR, STKA, CMAR, PETK, PETK, SONM, SONM, MA2, YAK, YAK, SEY, MKAR, TIXI, ZALV, KURK, KURB, NRK, BVAR, PPT, ILAR, INK, YKA, FINES, NOA, LPAZ. Includes station names, coordinates, and various codes.

IDC 03 14:13:44.3s,9.34145x179.97W, h0km, mb4.0/2, mb1 4.3/2, mb1mx3.6/27, mbtmp3.0/2, Error ellipse: s-maj=258.1km s-min=62.0km az=164.0, South of Kermaec Islands

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

KRSC 03 14:24:13.5s,10.49,49.57N:157.05E, h50km, 10km, ML3.9, East of Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, KDR Khotutka, MTRV Mutnovka, RUS Russkaya, KRM Karymshinskiy, APC Apacha, DALK Dainy, SDVH Avlacha, ADLR Sedlovina, GNL Ganaly, BKI Bering.

IDC 03 14:25:31.3s,3.9,19.91N:120.85E, h0km, mb3.7/4, mb1 3.8/4, mb1mx3.4/5, mbtmp3.7/4, Error ellipse: s-maj=357.9km s-min=21.9km az=61.0, Philippine Islands region

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

ISCJB 03 14:29:50.6s,2.5,25.60S:0.04:27.71E, h1km, 16km, Error ellipse: s-maj=10.6km s-min=6.3km az=168.4

ISC 03 14:29:53.4,1.8,25.67S:27.48E, h2km, ML2.6

PRC 03 14:29:50.4,1.6,25.67S:0.04:27.68E, h13km, 12km, n8, s12/16, South Africa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WDLM Western Deep L, ERPM east rand prop, PRYS Parys, LBTB Lobatse, SEK Senekal.

2011 NOV

Table with columns: SEK, BOSA, BOSHOF, MATP, MATP. Includes station names, coordinates, and various codes.

IDC 03 14:32:20.7s,1.1,38.56N:14.35E, h0km, mb3.6/4, mb1 3.6/6, mb1mx3.4/47, mbtmp3.5/6, ML3.3/2, Error ellipse: s-maj=37.9km s-min=14.6km az=97.0

ISCJB 03 14:32:22.7,0.3,38.43N:0.02:14.57E, h0km, 32km, mb3.7/5, Error ellipse: s-maj=3.6km s-min=3.3km az=9.2

ROM 03 14:32:22.3s,0.1,38.42N:14.57E, h22km, 1km, ML3.7/40, Error ellipse: s-maj=1.2km s-min=1.2km az=3.0

CSEM 03 14:32:22.7,0.1,38.41N:14.57E, h20km, ML4.7/9, Error ellipse: s-maj=2.7km s-min=2.3km az=112.0

ISC 03 14:32:23.1,0.8,38.42N:0.02:14.58E, h16km, 5km, n106, s192/128, mb3.7/5, 4C-10D, Sicily

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IFIL Filicudi I Eol, IFIL Filicudi I Eol, IACL Alicudi, IACL Alicudi, LLI Lipari, LLI Lipari, VPL Vulcano Piano, VPL Vulcano Piano, MSFR San Fratello, MSFR San Fratello, MUCR Ucria, MUCR Ucria, MNO Monte Soro, MNO Monte Soro, PLLN Pollina, PLLN Pollina, NOV Novara, NOV Novara, GIB Gibilmanna, GIB Gibilmanna, STR3 STROMBOLI 3, STR3 STROMBOLI 3, MCSR Castoreale, MCSR Castoreale, MPNC Port Mandanici, MPNC Port Mandanici, GALT Gagliano Caste, GALT Gagliano Caste, MMME Mongiuffi-Meli, MMME Mongiuffi-Meli, ATN Antennamare, ATN Antennamare, MSRU Castanea, MSRU Castanea, RESU Resuttano, RESU Resuttano, SOLUN Solunto, SOLUN Solunto, VAE Valguenera, VAE Valguenera, MSCS Scilla, MSCS Scilla, JOPP Joppolo, JOPP Joppolo, HLNI Lentini, HLNI Lentini, USI Ustica, USI Ustica, CORL Corleone, CORL Corleone, HCLR Carlentini, HCLR Carlentini, RAFF Raffo Rosso, RAFF Raffo Rosso, SOI Samo, SOI Samo, MPAZ Palizzi, MPAZ Palizzi, HAGA Augusta, HAGA Augusta.

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Table with columns: HAGA Augusta, HVZN Vizzini, HVZN Vizzini, AGST Augusta-Monte, AGST Augusta-Monte, SSS Sortino, SSS Sortino, MEU Monte Lauro, MEU Monte Lauro, PLAC Placania, PLAC Placania, HMDC Modica, HMDC Modica, CAR1 CAROLEI, CAR1 CAROLEI, SERS Sersale, SERS Sersale, BULG Bulgheria - Ca, BULG Bulgheria - Ca, MMN Mormanno, MMN Mormanno, MGR Morigerati, MGR Morigerati, SALB San Lorenzo Be, SALB San Lorenzo Be, SIRI Monte Sirino, SIRI Monte Sirino, MTSN Montesano sull, MTSN Montesano sull, SCHR Sciarra Rap, SCHR Sciarra Rap, SG1 Scigolore (BA), CDT Castel del Mon, TAR1 Taranto, CGL1 Ceglie Messapi, FASA Fasano, VSL Vissalato, VSL Vissalato, KEST Kesra, NVLJ Novajia, NVLJ Novajia, DAVOS Davos/Dischmat, GEXS Gessis Array B, KHC Kasperske Hory, HFS Hagfors, NOA NORSAR Array B, FINES FINES Array B, MKAR Makanchi Array, SONM Songoing Array.

MEX 03 14:35:18.3s,0.5,17.91N:99.58W, h55km, 3km, MD3.7, Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MEIG Mezcala, PLIG Platanillo, ARIG Puente Sto Nin, ARIG Puente Sto Nin, TLIG Tlapa, TLIG Tlapa, MAVM Mainalco, Edo, MAVM Mainalco, YAG Yautepac, YAG Yautepac, AXC Acapulco, AXC Acapulco, ACP2 Acapulco, ACP2 Acapulco, CAIG El Cayaco, CAIG El Cayaco, PPM Pinopatepeti, PPM Pinopatepeti, PNIG Pinotepec, PNIG Pinotepec, TPIG Tihuacfan, TPIG Tihuacfan.

CSEM 03 14:37:10.7,0.1,39.41N:14.59E, h20km, ML4.2/11, Error ellipse: s-maj=2.6km s-min=2.2km az=135.0

ROM 03 14:37:10.2,0.1,38.43N:14.58E, h21km, 1km, ML3.5/34, 4C-10D, Error ellipse: s-maj=1.3km s-min=1.1km az=137.0, Sicily

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IFIL Filicudi I Eol, IFIL Filicudi I Eol, IFIL Filicudi I Eol, IACL Alicudi, IACL Alicudi, LLI Lipari, LLI Lipari, VPL Vulcano Piano, VPL Vulcano Piano, MSFR San Fratello, MSFR San Fratello, MUCR Ucria, MUCR Ucria, MNO Monte Soro, MNO Monte Soro.













3d 17h

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IDC 03 16:39:56.0,8,38.82N-43.84E, h0km, mb3.7/16, mb1 3.7/21, mb1mx3.6/54, mbtmp3.7/21, ML3.0/5, MS3.4/7, Ms1 3.4/7, ms1mx3.0/53, Error ellipse: s-maj=14.2km s-min=11.1km az=154.0

CSEM 03 16:39:58.1,0.2,38.72N-43.54E, h2km, ML4.3, Error ellipse: s-maj=5.8km s-min=3.6km az=159.0

ISC 03 16:39:58.1,0.9,38.80N,0.02,43.55E,0.02,h7km,7km, n211, 0.25/24/228, mb3.8/15, MS3.3/5, 36C-41D, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like VMUR, VNB, VANS, etc.

Table with columns: LRK, Lerik, 3.75, 91, P, Pn, 16 40 55.8 -0.8. Lists stations like LRK, Lerik, GLBA, Cililab, etc.

Table with columns: KSH, comp=Z, 1.40nm, 5.5s, pmax, pmax, 16 40 55.8 -0.8. Lists stations like KSH, DAVOX, KURBB, etc.





s-maj=10.9km s-min=7.3km az=99.0  
 ISK 03 18:50:19.9, 38.86N, 42.76E, h3km, ML3.9  
 DDA 03 18:50:19.1, 38.86N, 42.74E, h5km, ML3.9  
 IDC 03 18:50:20.3, 0.9, 38.54N, 42.94E, h0km, mb3.6/9,  
 mb1 3.6/14, mb1mx3.5/39, mbtmp3.5/14, ML2.6/4, MS3.5/3,  
 Ms1 3.5/3, ms1mx2.7/37, Error ellipse: s-maj=16.7km  
 s-min=10.8km az=159.0  
 CSEM 03 18:50:20.5, 0.1, 38.84N, 42.77E, h2km, mb3.9/7, Error  
 ellipse: s-maj=3.8km s-min=3.1km az=170.0  
 ISC 03 18:50:20.4, 1.1, 38.84N, 0.01, 42.75E, 0.01, h1km, 8km,  
 n150, r151/191, mb3.7/16, MS3.4/3, 6C-10D, Turkey

Code	Station Name	Δ°	AZ°	Op	Phase ID	ISC	h	m	s	ISC	Res
ERCV	ERCIS-VAN	0.49	69	ePg		Pg	18	50	29.9	0.0	
ERCV	ERCIS-VAN	0.49	69	eSg		Sg	18	50	37.4	+1.1	
ERCV	ERCIS-VAN	0.49	69	ePg		Pg	18	50	29.9	0.0	
ERCV	ERCIS-VAN	0.49	69	eSg		Sg	18	50	37.4	+1.1	
TATV	Tatvan	0.50	229	iP		P	18	50	29.9	+0.5	
TATV	Tatvan	0.50	229	iS		S	18	50	36.9	+0.3	
TATV	Tatvan	0.50	229	p		P	18	50	29.6	-0.5	
TATV	Tatvan	0.50	229	p		P	18	50	36.9	+0.3	
VANB	Van	0.56	116	ePg		Pg	18	50	32.4	-0.6	
GEVA	Gevas	0.56	116	ePg		Pg	18	50	41.9	+0.4	
VANB	Van	0.56	116	ePg		Pg	18	50	32.4	-0.6	
TUTA	Tutak	0.56	5	iP		P	18	50	30.4	-0.8	
TUTA	Tutak	0.56	5	iS		S	18	50	38.5	0.0	
TUTA	Tutak	0.56	5	p		P	18	50	30.4	-0.8	
TUTA	Tutak	0.56	5	p		P	18	50	38.5	0.0	
GEVA	Gevas	0.58	155	iP		P	18	50	30.4	-0.8	
GEVA	Gevas	0.58	155	iS		S	18	50	38.5	0.0	
GEVA	Gevas	0.58	155	p		P	18	50	30.4	-0.8	
GEVA	Gevas	0.58	155	p		P	18	50	38.5	0.0	
TVAN	Van	0.60	121	iP		P	18	50	31.9	-0.1	
TVAN	Van	0.60	121	iS		S	18	50	39.0	-0.2	
TVAN	Van	0.60	121	p		P	18	50	31.9	-0.1	
TVAN	Van	0.60	121	p		P	18	50	39.0	-0.2	
GURO	Guroymak-BITLI	0.63	243	ePg		Pg	18	50	32.2	-0.3	
GURO	Guroymak-BITLI	0.63	243	eSg		Sg	18	50	32.2	-0.3	
VMUR	Van-Muradiye	0.66	77	iP		P	18	50	32.7	-0.4	
VMUR	Van-Muradiye	0.66	77	iS		S	18	50	32.7	-0.4	
VMUR	Van-Muradiye	0.66	77	p		P	18	50	32.7	-0.4	
VMUR	Van-Muradiye	0.66	77	p		P	18	50	32.7	-0.4	
AGRAB	Hanur-Agry	0.76	14	ePg		Pg	18	50	43.2	-1.3	
AGRAB	Hanur-Agry	0.76	14	eSg		Sg	18	50	43.2	-1.3	
AGRAB	Hanur-Agry	0.76	14	p		P	18	50	43.2	-1.3	
AGRAB	Hanur-Agry	0.76	14	p		P	18	50	43.2	-1.3	
CLDR	Caldiran	0.96	71	ePg		Pg	18	50	39.0	+0.2	
CLDR	Caldiran	0.96	71	eSg		Sg	18	50	39.0	+0.2	
CLDR	Caldiran	0.96	71	p		P	18	50	39.0	+0.2	
CLDR	Caldiran	0.96	71	p		P	18	50	39.0	+0.2	
DYDN	Diyadin	1.01	46	iP		P	18	50	39.0	-0.9	
DYDN	Diyadin	1.01	46	iS		S	18	50	39.0	-0.9	
DYDN	Diyadin	1.01	46	p		P	18	50	39.0	-0.9	
DYDN	Diyadin	1.01	46	p		P	18	50	39.0	-0.9	
EATA	Eleskirt	1.04	349	iP		P	18	50	38.5	-1.8	
EATA	Eleskirt	1.04	349	iS		S	18	50	38.5	-1.8	
EATA	Eleskirt	1.04	349	p		P	18	50	38.5	-1.8	
EATA	Eleskirt	1.04	349	p		P	18	50	38.5	-1.8	
VRTB	Varto-Mus	1.06	288	ePg		Pg	18	50	39.4	-0.4	
VRTB	Varto-Mus	1.06	288	eSg		Sg	18	50	39.4	-0.4	
VRTB	Varto-Mus	1.06	288	p		P	18	50	39.4	-0.4	
VRTB	Varto-Mus	1.06	288	p		P	18	50	39.4	-0.4	
SRTM	Siirt_Merkez	1.07	218	iP		P	18	50	40.8	-0.1	
SRTM	Siirt_Merkez	1.07	218	iS		S	18	50	40.8	-0.1	
SRTM	Siirt_Merkez	1.07	218	p		P	18	50	40.8	-0.1	
SRTM	Siirt_Merkez	1.07	218	p		P	18	50	40.8	-0.1	
BINGL	BINGOL	1.25	276	iP		P	18	50	43.4	-1.0	
BASK	Baskale_VAN	1.26	128	iP		P	18	50	42.8	-1.8	
BASK	Baskale_VAN	1.26	128	iS		S	18	50	42.8	-1.8	
BASK	Baskale_VAN	1.26	128	p		P	18	50	42.8	-1.8	
BASK	Baskale_VAN	1.26	128	p		P	18	50	42.8	-1.8	
HOMI	Horasan	1.37	332	iP		P	18	50	45.2	-1.4	
HOMI	Horasan	1.37	332	iS		S	18	50	45.2	-1.4	
HOMI	Horasan	1.37	332	p		P	18	50	45.2	-1.4	
HOMI	Horasan	1.37	332	p		P	18	50	45.2	-1.4	
SIRN	S^-rnak	1.37	191	iP		P	18	50	47.1	+1.6	
SIRN	S^-rnak	1.37	191	iS		S	18	50	47.1	+1.6	
SIRN	S^-rnak	1.37	191	p		P	18	50	47.1	+1.6	
SIRN	S^-rnak	1.37	191	p		P	18	50	47.1	+1.6	
SVAN	Silvan-Diyarba	1.40	241	ePN		P	18	50	47.1	-0.1	
SVAN	Silvan-Diyarba	1.40	241	ePN		P	18	50	47.1	-0.1	
SVAN	Silvan-Diyarba	1.40	241	ePN		P	18	50	47.1	-0.1	
SVAN	Silvan-Diyarba	1.40	241	ePN		P	18	50	47.1	-0.1	
HAKT	HAKKARI	1.49	149	iP		P	18	50	46.6	-1.8	
HAKT	HAKKARI	1.49	149	iS		S	18	50	46.6	-1.8	
HAKT	HAKKARI	1.49	149	p		P	18	50	46.6	-1.8	
HAKT	HAKKARI	1.49	149	p		P	18	50	46.6	-1.8	
BTMN	Batman	1.50	231	iP		P	18	50	48.7	-0.4	
BTMN	Batman	1.50	231	iS		S	18	50	48.7	-0.4	
BTMN	Batman	1.50	231	p		P	18	50	48.7	-0.4	
BTMN	Batman	1.50	231	p		P	18	50	48.7	-0.4	
ERZM	Erzurum	1.51	315	iP		P	18	50	47.1	-1.7	
ERZM	Erzurum	1.51	315	iS		S	18	50	47.1	-1.7	
ERZM	Erzurum	1.51	315	p		P	18	50	47.1	-1.7	
ERZM	Erzurum	1.51	315	p		P	18	50	47.1	-1.7	
ECAT	Cat-ERZURUM	1.57	300	iP		P	18	50	48.3	-1.4	
ECAT	Cat-ERZURUM	1.57	300	iS		S	18	50	48.3	-1.4	
ECAT	Cat-ERZURUM	1.57	300	p		P	18	50	48.3	-1.4	
ECAT	Cat-ERZURUM	1.57	300	p		P	18	50	48.3	-1.4	
BINGL	Bingol	1.64	17	iP		P	18	50	50.7	+0.1	
DIGO	Kars	1.64	17	iS		S	18	50	50.7	+0.1	
DIGO	Kars	1.64	17	p		P	18	50	50.7	+0.1	
DIGO	Kars	1.64	17	p		P	18	50	50.7	+0.1	
CUKT	Cukcurea	1.73	157	ePN		P	18	50	52.0	+0.3	
CUKT	Cukcurea	1.73	157	ePN		P	18	50	52.0	+0.3	
CUKT	Cukcurea	1.73	157	ePN		P	18	50	52.0	+0.3	
CUKT	Cukcurea	1.73	157	ePN		P	18	50	52.0	+0.3	
SENK	Senkaya-Erzuru	1.74	350	ePN		P	18	50	52.1	+0.1	
SENK	Senkaya-Erzuru	1.74	350	ePN		P	18	50	52.1	+0.1	
SENK	Senkaya-Erzuru	1.74	350	ePN		P	18	50	52.1	+0.1	
SENK	Senkaya-Erzuru	1.74	350	ePN		P	18	50	52.1	+0.1	
VEDI	Vedisi-Bingol	1.81	280	ePN		P	18	50	53.9	-0.4	
VEDI	Vedisi-Bingol	1.81	280	ePN		P	18	50	53.9	-0.4	
VEDI	Vedisi-Bingol	1.81	280	ePN		P	18	50	53.9	-0.4	
VEDI	Vedisi-Bingol	1.81	280	ePN		P	18	50	53.9	-0.4	
EAK	Akyaka	1.96	19	iP		P	18	50	56.4	-0.5	
EAK	Akyaka	1.96	19	iS		S	18	50	56.4	-0.5	
EAK	Akyaka	1.96	19	p		P	18	50	56.4	-0.5	
EAK	Akyaka	1.96	19	p		P	18	50	56.4	-0.5	
GNI	Garni	2.02	49	ePN		P	18	50	59.9	+0.8	
GNI	Garni	2.02	49	ePN		P	18	50	59.9	+0.8	
GNI	Garni	2.02	49	ePN		P	18	50	59.9	+0.8	
GNI	Garni	2.02	49	ePN		P	18	50	59.9	+0.8	
KOPT	Kop Dagli	2.10	305	iP		P	18	50	59.4	-0.1	
KOPT	Kop Dagli	2.10	305	iS		S	18	50	59.4	-0.1	
KOPT	Kop Dagli	2.10	305	p		P	18	50	59.4	-0.1	
KOPT	Kop Dagli	2.10	305	p		P	18	50	59.4	-0.1	
NAX	Nakhchivan	2.17	80	iP		P	18	50	33.5	+3.5	
NAX	Nakhchivan	2.17	80	iS		S	18	50	33.5	+3.5	
NAX	Nakhchivan	2.17	80	p		P	18	50	33.5	+3.5	
NAX	Nakhchivan	2.17	80	p		P	18	50	33.5	+3.5	
DEM	Demirkent	2.19	340	iP		P	18	50	58.2	+0.2	
DEM	Demirkent	2.19	340	iS		S	18	50	58.2	+0.2	
DEM	Demirkent	2.19	340	p		P	18	50	58.2	+0.2	
DEM	Demirkent	2.19	340	p		P	18	50	58.2	+0.2	
MAZI	Mazidag	2.28	233	ePN		P	18	50	00.0	+0.7	
MAZI	Mazidag	2.28	233	ePN		P	18	50	00.0	+0.7	
MAZI	Mazidag	2.28	233	ePN		P	18	50	00.0	+0.7	
MAZI	Mazidag	2.28	233	ePN		P	18	50	00.0	+0.7	
ERZAN	Erzincan	2.47	288	ePN		P	18	50	09.0	+0.6	
ERZAN	Erzincan	2.47	288	ePN		P	18	50	09.0	+0.6	
ERZAN	Erzincan	2.47	288	ePN		P	18	50	09.0	+0.6	
ERZAN	Erzincan	2.47	288	ePN		P	18	50	09.0	+0.6	
BGD	Bogdanovka	2.50	15	p		P	18	50	09.0	+0.6	
PTK	Pertek	2.62	272	ePN		P	18	50	04.9	+0.9	
PTK	Pertek	2.62	272	ePN		P	18	50	04.9	+0.9	
PTK	Pertek	2.62	272	ePN		P	18	50	04.9	+0.9	
PTK	Pertek	2.62	272	ePN		P	18	50			





Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SKIA, XOR, KARY, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PTH, JOSI, KALG, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like RAR, AFI, URZ, etc.

ISC 03 19:37:16.8; 1.6; 29:63N; 80:35E, h0km, mb3.4/7, mb1 3.6/8, mb1mx3.4/40, mbtm3.5/8, ML3.7/1, Error ellipse: s-maj=50.0km s-min=19.6km az=65.0

ISC 03 20:06:13.6; 0.7; 29:04S; 167:11W, h0km, mb4.2/8, mb1 4.4/9, mb1mx4.2/26, mbtm3.4/3, ML4.7/1, MS3.3/7, Ms1 3.3/7, ms1mx3.0/32, Error ellipse: s-maj=33.7km

CSEM 03 20:18:07.9; 0.4; 37:22N; 43:97E, h2km, ML3.3, Error ellipse: s-maj=8.5km s-min=5.2km az=96.0

3d 20h

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Lists stations like HAKT, BASK, MSL, SIRS, etc.

RSNC 03 20:19:32.3-0.3, 5.93N-73.54W, h126km, ML2.1, 1D,

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Lists stations like RUSC, BARC, BRRR, etc.

ISC 03 20:23:45.6-0.9, 51.08N-175.83W, h0km, mb3.9/1, mb1 4.1/19, mb1mx3.9/57, mbtmp4.0/19, ML4.0/1, MS3.2/4, Ms1 3.2/4, ms1mx2.8/45, Error ellipse: s-maj=26.1km s-min=15.1km az=166.0

ISCJB 03 20:23:48.0-0.3, 50.96N-175.93W, h0.05, h28km, mb4.0/17, MS3.2/4, Error ellipse: s-maj=6.1km s-min=4.5km az=175.0

NEIC 03 20:23:52.4-1.0, 51.01N-176.06W, h45km, 7km, ML4.2(AEIC), Error ellipse: s-maj=12.7km s-min=5.4km az=175.0

ISC 03 20:23:50.6-0.6, 51.04N-176.02W, h0.04, h28km, n92, c1948/90, mb4.0/17, MS3.4/4, Andean Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Lists stations like ETKA, ADK, GAG, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Lists stations like ILB, MA2, EGAK, INK, etc.

MEX 03 20:26:11.0-0.7, 18.34N-102.99W, h10km, MD3.8, Michoacan

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

ISC 03 20:28:47.6-3.9, 5.09S-150.94E, h143km, 34km, mb3.4/5, mb1 3.6/6, mb1mx3.3/8, mbtmp3.8/6, MS3.1/1, Ms1 3.1/1, ms1mx2.5/16, Error ellipse: s-maj=56.5km s-min=23.3km az=121.0, New Britain region

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

VIE 03 20:31:02.8-0.7, 49.60N-18.71E, h0km, mb2.2/5, ML2.5/5, Ms3.6/2, Error ellipse: s-maj=5.2km s-min=4.2km az=42.0, Suspected Mining induced.

ISCJB 03 20:31:02.7-0.3, 49.99N-18.51E, h0.02, h0km, Error ellipse: s-maj=4.3km s-min=1.9km az=16.7

IPEC 03 20:31:04.2-0.2, 49.98N-18.61E, h0km, 2km, ML2/3, Error ellipse: s-maj=2.1km s-min=1.1km az=160.0

WAR 03 20:31:04.3, 49.18N-18.11M, h2.5, CSEM 03 20:31:04.1-0.2, 50.00N-18.54E, h2km, ML3.0/12, Ms3.6, Error ellipse: s-maj=5.1km s-min=2.3km az=13.0

IRU 03 20:31:05.1, 49.97N-18.52E, h0km, ISC 03 20:31:04.1-0.7, 49.94N-18.52E, h0km, n59,

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Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Lists stations like RAC, OKC, MORC, etc.







4d 0h

Table with columns: SRMT, CUKT, CURKA, CURCA, CURC, CURC, SIRM, SIRN, SVAN, SENK, SENK, BNGB, BINT. Includes station names, coordinates, and time/res data.

ISCJB 04 00:07:56.8:0.6,50.28N:0.04:18.77E:0.03,h0km,Error ellipse: s-maj=5.6km s-min=2.8km az=13.3

IPEC 04 00:07:57.7:0.2,50.27N:18.85E,h0km,ML 1.8/3, Error ellipse: s-maj=2.5km s-min=1.1km az=168.0

CSEM 04 00:07:57.6:0.3,50.29N:18.78E,h2km,ML2.6/6, Error ellipse: s-maj=7.1km s-min=3.2km az=9.0

PRU 04 00:07:58.6:50.27N:18.77E,h0km, Error ellipse: s-maj=7.1km s-min=3.2km az=9.0

WAR 04 00:07:58.0:50.28N:18.85E,h1km,Mw2.4

ISC 04 00:07:57.9:0.5,50.24N:0.04:18.84E:0.02,h0km,n30, az=75/52,Poland

Main table for 4d 0h section, listing station names, coordinates, and time/res data for various stations like Ostrava-Krasne, Ojcow, Moravsky Berou, etc.

ISC 04 00:08:09.1:1.6,19.58S:177.37W,h0km,mb3.6/4, mb1 3.9/4,mb1mx3.6/24,mbtmp3.6/4, Error ellipse: s-maj=44.3km s-min=38.6km az=118.0, Fiji Islands region

Table listing stations in the Fiji Islands region, including Alice Springs, Warramunga Arr, Vanda, and Eilson Array.

GUC 04 00:19:08.3:0.3,20.68S:67.24W,h274km,10km,ML4.0, 8C,Southern Bolivia

Table listing stations in the Southern Bolivia region, including IPOC Station P, Warramunga Arr, Vanda, and Eilson Array.

IDC 04 00:22:05.6:1.5,1.01S:127.85E,h0km,mb3.8/3, mb1 3.9/4,mb1mx3.6/35,mbtmp3.8/4,ML4.0,1,M53.1/1, Ms1 3.1/1,ms1mx2.5/29, Error ellipse: s-maj=131.0km s-min=21.5km az=70.0

ISCJB 04 00:22:10.4:0.3,1.16S:0.04:127.17E:0.04,h34km, mb4.2/14,M53.0/1, Error ellipse: s-maj=6.0km s-min=4.9km az=42.6

DJA 04 00:22:10.5:0.3,1.3S:127.7E,h10km,M4.4/13,mb4.5/6, mB5.0/5,MLV4.3/13,Mw(MB)4.4/5

NEIC 04 00:22:12.4:1.0,1.34S:127.03E,h43km,11km,mb4.2/11, Error ellipse: s-maj=11.7km s-min=6.1km az=55.0

ISC 04 00:22:11.9:0.6,1.19S:0.05:127.16E:0.05,h34km,n42, az=121/44,mb4.2/14,Halmahera

Table listing stations in the Halmahera region, including Labuha and Sanana.

2011 NOV

Main table for 2011 NOV section, listing station names, coordinates, and time/res data for various stations like Namlea, Ambon, Misaki, etc.

UPP 04 00:22:48.5:67.85N:20.20E,h0km,ML2.1, Mining explosion.

CSEM 04 00:22:48.3:0.2,67.84N:20.30E,h2km,ML2.1, Error ellipse: s-maj=4.9km s-min=4.5km az=17.0, Mining explosion.

HEL 04 00:22:49.1:0.0,67.86N:20.19E,h0km,ML1.6, ML2.1(UPP),Explosion,Sweden

Table listing stations in the Sweden region, including Kuravaara, Laukkulusta, and other stations.

CSEM 04 00:22:53.5:0.7,67.72N:21.22E,h1km,ML0.8, Error ellipse: s-maj=38.1km s-min=13.3km az=31.0, Mining explosion,,Sweden

Table listing stations in the Sweden region, including Kuravaara, Laukkulusta, and other stations.

ISCJB 04 00:23:10.5:0.9,30.34S:0.03:71.62W:0.09,h73km,15km, Error ellipse: s-maj=12.8km s-min=5.5km az=179.3

GUC 04 00:23:10.4:0.3,30.44S:70.86W,h10km,3km,ML3.7

SJA 04 00:23:13.7:1.9,30.54S:71.32W,h70km,295km,ML3.4, MW3.6

ISC 04 00:23:10.9:1.6,30.35S:0.04:71.68W:0.10,h55km,30km, n17,,f102/24,1C-2D,Near coast of central Chile

Table listing stations in the Chile region, including Kuravaara, Laukkulusta, and other stations.

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Table listing stations in the 164 region, including Tololo Astrono, Las Campanas, and other stations.

TRN 04 00:24:29.2:18.15N:62.74W,h31km,MD3.6,Leeward Islands

Table listing stations in the Leeward Islands region, including St. Maarten, St. Eustatius, and other stations.

ISCJB 04 00:30:53.6:0.6,31.95S:0.04:178.5W:0.1,h33km, mb4.5/12,M53.4/4, Error ellipse: s-maj=15.8km s-min=4.1km az=12.8

IDC 04 00:30:56.0:3.2,31.86S:178.33W,h39km,25km,mb4.3/5, mb1 4.6/7,mb1mx4.1/23,mbtmp4.7/7,ML4.7/2,M53.4/4, Ms1 3.4/4,ms1mx3.1/19, Error ellipse: s-maj=29.6km s-min=19.2km az=116.0

NEIC 04 00:30:56.1:3.0,31.83S:178.50W,h34km,22km,mb4.6/8, Error ellipse: s-maj=15.2km s-min=9.5km az=107.0

ISC 04 00:30:53.2:0.7,31.96S:0.06:178.1W:0.1,h24km,n58, az=198/56,mb4.6/12,M53.5/4,2C,Kermadec Islands region

Main table for 164 region, listing station names, coordinates, and time/res data for various stations like Raoul Island, Waipua Caves, etc.









mb4.2/21, Error ellipse: s-maj=10.9km s-min=4.1km az=141.5

ISC 04 02:39:41.1-0.9, 19.3N; 0.1:109.24W; 0.08, h35km, m67, r=128/67, mb4.2/24, Revilla Gigeo Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC. Lists various seismic stations and their recorded data.

GUC 04 02:45:37.2-0.6, 31.35S; 72.04W, h43km, 18km, ML4.1, 2C, Off coast of central Chile

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations for the Chilean event.

ISC/B 04 02:46:56.2-0.4, 17.62S; 0.03:69.77W; 0.06, h165km, 4km, mb4.0/6, Error ellipse: s-maj=10.4km s-min=4.5km az=12.9

ISC 04 02:46:57.5-1.1, 17.54S; 69.66W, h156km, 10km, mb3.9/5, mb1.4/9, mb1mx3.7/31, mbtpm4.5/9, Error ellipse: s-maj=20.0km s-min=15.6km az=114.0

NEIC 04 02:46:57.4-0.8, 17.53S; 69.73W, h159km, 8km, mb4.1/2, Error ellipse: s-maj=12.4km s-min=10.4km az=64.0

SCB 04 02:46:57.0-0.4, 17.31S; 69.58W, h148km, M3.7/3, Error ellipse: s-maj=10.4km s-min=4.1km az=141.5

ellipse: s-maj=14.4km s-min=10.4km az=131.0

GUC 04 02:46:58.2-0.5, 17.92S; 70.09W, h175km, 4km, ML4.3, ISC 04 02:46:56.7-0.7, 17.92S; 70.04:69.82W; 0.06, h156km, 7km, n24, r=133/38, mb4.2/6, 3C-2D, Peru-Bolivia border region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations for the Peru-Bolivia border event.

NNC 04 02:53:56.5-3.1, 37.04N; 71.29E, h0km, mb3.7, mpv3.6, 4C, Error ellipse: s-maj=24.1km s-min=13.5km az=158.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations for the Afghanistan-Tajikistan event.

NIED 04 02:59:00.36:10N; 141.40E, h5km, Mw4.9 Best double couple: M2: 34000x1016 NP1: 291.00000; 345.00000; 2.104.00000; NP2: 93.00000; 347.00000; 7.77.00000

ISC 04 02:59:12.6-0.5, 36.00N; 141.27E, h0km, mb4.725, mb1.4/8/28, mb1mx3.8/37, mbtpm4.7/28, ML4.3/3, MS3.8/25, Ms1.3/8/25, ms1mx3.8/32, Error ellipse: s-maj=15.1km s-min=11.5km az=96.0

BJI 04 02:59:13.0, 35.90N; 141.44E, h29km, mb4.8/61, MB4.9/48, Ms4.4/49, Ms7.4/247

JMA 04 02:59:14.0-0.2, 36.01N; 141.33E, h32km, 2km, M4.9, JMA Felt III J1

ISC/B 04 02:59:14.9-0.5, 36.02N; 0.02:141.20E; 0.02, h23km, 3km, mb4.9/226, MS4.0/41, Error ellipse: s-maj=3.4km s-min=2.8km az=161.5

GCMT 04 02:59:15.8-0.4, 36.06N; 141.22E, h16km, 1km, MW4.8/67, Moment Tensor Solution: M1: 14.1; M2: 8.7; M3: 1.7; Duration: 0 Moment tensor: Scalet 1016Nm; M1: 1.87e17; M2: 1.65e17; M3: 0.21e17; M4: 0.01e17; M5: 0.18e16; M6: 0.39e16; M7: 0.34e16; Best double couple: M1: 806000x1016; NP1: 291.00000; 346.00000; 1.104.00000; NP2: 93.00000; 345.00000; 7.75.00000; Principal axes: T 1.9400, P1g80.0000, Azm94.0000; N -0.2640, P1g10.0000; Azm277.0000; P -1.6720, P1g1.0000; Azm187.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 04 02:59:15.8-1.5, 35.37N; 141.14E, h19km, 9km, mb5.0/152, Error ellipse: s-maj=3.1km s-min=2.4km az=129.0

NEIC Felt at Tokyo and Yamchima. Recorded [3 JMA] in China and Barack

MOS 04 02:59:18.0-0.9, 36.37N; 141.15E, h32km, mb5.1/79, Error ellipse: s-maj=6.7km s-min=4.3km az=110.2

ISC 04 02:59:16.9-0.6, 36.04N; 0.03:141.25E; 0.03, h28km, 4km, n821, r=123/866, mb4.9/229, MS4.0/41, 49C-28D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations for the Honshu event.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations for various other events.



4d 2h

Table with columns: Station, Frequency, Power, Class, and other details. Includes stations like LLLB Lillooet, NLWA Neilton Lookou, and many others.

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Table with columns: Station, Frequency, Power, Class, and other details. Includes stations like WVOR Wild Horse Val, WVOR Wild Horse Val, and many others.

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Table with columns: Station, Frequency, Power, Class, and other details. Includes stations like DGMT Dagmar, FURC Furnace Creek, LAO LASA Array, and many others.

Table with columns: ID, Name, Value, Unit, Type, and other details. Includes entries like RSSD Black Hills, LANS Liptovska Anna, KECS Kevoco, etc.

Table with columns: ID, Name, Value, Unit, Type, and other details. Includes entries like KHC Kasperske Hory, X18A Snowflake, Q24A Divide, etc.

Table with columns: ID, Name, Value, Unit, Type, and other details. Includes entries like H37A Dierke Farm, ULC Ulicin, HCY Herceg Novi, etc.

4d 3h

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Trend, Elevation Trend, Azimuth Stability, Elevation Stability, Azimuth Consistency, Elevation Consistency, Azimuth Reliability, Elevation Reliability, Azimuth Accuracy Index, Elevation Accuracy Index, Azimuth Precision Index, Elevation Precision Index, Azimuth Bias Index, Elevation Bias Index, Azimuth Drift Index, Elevation Drift Index, Azimuth Spread Index, Elevation Spread Index, Azimuth Trend Index, Elevation Trend Index, Azimuth Stability Index, Elevation Stability Index, Azimuth Consistency Index, Elevation Consistency Index, Azimuth Reliability Index, Elevation Reliability Index, Azimuth Accuracy Index, Elevation Accuracy Index, Azimuth Precision Index, Elevation Precision Index, Azimuth Bias Index, Elevation Bias Index, Azimuth Drift Index, Elevation Drift Index, Azimuth Spread Index, Elevation Spread Index, Azimuth Trend Index, Elevation Trend Index, Azimuth Stability Index, Elevation Stability Index, Azimuth Consistency Index, Elevation Consistency Index, Azimuth Reliability Index, Elevation Reliability Index.

2011 NOV

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Trend, Elevation Trend, Azimuth Stability, Elevation Stability, Azimuth Consistency, Elevation Consistency, Azimuth Reliability, Elevation Reliability, Azimuth Accuracy Index, Elevation Accuracy Index, Azimuth Precision Index, Elevation Precision Index, Azimuth Bias Index, Elevation Bias Index, Azimuth Drift Index, Elevation Drift Index, Azimuth Spread Index, Elevation Spread Index, Azimuth Trend Index, Elevation Trend Index, Azimuth Stability Index, Elevation Stability Index, Azimuth Consistency Index, Elevation Consistency Index, Azimuth Reliability Index, Elevation Reliability Index.

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Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Trend, Elevation Trend, Azimuth Stability, Elevation Stability, Azimuth Consistency, Elevation Consistency, Azimuth Reliability, Elevation Reliability, Azimuth Accuracy Index, Elevation Accuracy Index, Azimuth Precision Index, Elevation Precision Index, Azimuth Bias Index, Elevation Bias Index, Azimuth Drift Index, Elevation Drift Index, Azimuth Spread Index, Elevation Spread Index, Azimuth Trend Index, Elevation Trend Index, Azimuth Stability Index, Elevation Stability Index, Azimuth Consistency Index, Elevation Consistency Index, Azimuth Reliability Index, Elevation Reliability Index.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JKRS Kuro-shima, Hengchun, JISG Ishigajimahi, etc.

ISN 04 03:12:01.7-1.2,39.34N,42.98E,h0km,ML3.6
ISK 04 03:12:13.3,38.61N,43.15E,h5km,ML3.5
DDA 04 03:12:14.9,38.63N,43.15E,h8km,MI3.6

Main table for 2011 NOV, columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations including VANB Van, VMUR Van-Muradiye, TATV Tatvan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASTR Astarta, ALIB & Aumi,il-Bayra, etc.

IDC 04 03:55:02.4-3.6, 17.59S;158.76E,h0km,mb4.0/4,
mb1 4.4/5,mb1mx3.9/38,mbmp4.3/5,MLS.1/1,MS3.2/5,

Main table for 2011 NOV, columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations including DZM Mont Dzumac, EIDS Eidsvold, CTA Charters Tower, etc.

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

IDC 04 04:10:21.9-2.5, 28.92S;67.16W,h114km,21km,mb3.4/4,
mb1 3.7/9,mb1mx3.4/35,mbmp4.0/9,MS3.1/1,Ms1 3.1/1,

Main table for 4d 4h, columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations including ACCL CERRO LA CRUZ, VCA Vinchina, CYA Choya, etc.



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Table with columns: CAIG, El, CAIG, TLIG, TLIG, MEIG, MEIG, PLUG, PLUG, PLIG, PLIG. Includes station names like El Cayaco, Tiapa, Mezcala, Platanillo.

AZER 04 05:04:44.6, 1.2, 38.27N; 43.38E, h7km, Error ellipse: s-maj=10.0km s-min=9.4km az=1.0

NIED 04 05:25:00.39, 40N, 143.60E, h17km, Mw3.8 Best double couple: M5.0000x10^14 NP1=209.0000; R31.00000; L103.00000; NP2=12.00000; R88.00000; L77.00000

NIED 04 05:25:00.29, 30N, 130.70E, h14km, Mw4.3 Best double couple: M5.29000x10^15 NP1=275.00000; R13.00000; L172.00000; NP2=12.00000; R88.00000; L77.00000

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like VANB, VANB, VANB, VMUR, VMUR, VMUR, etc.

JMA 04 05:25:06.3, 0.1, 39.35N; 143.61E, h32km, M4.0 ISC 04 05:25:06.4, 0.3, 39.38N; 143.55E, 0.07, h11km, n27, s-c128/28, mb3.75, Off east coast of Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like JNN, JNN, JYAK, JYAK, JAM, JAM, JTAJ, JTAJ, etc.

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

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like MIYJ, MIYJ, JTH, JTH, OFUJ, OFUJ, etc.

WEL 04 05:01:06.3, 0.6, 39.64S; 174.33E, h247km, 5km, M4.0/0.19, 3C-9D, Error ellipse: s-maj=4.9km s-min=2.7km az=90.0, North Island

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like PREZ, WAZ, WAZ, TRVZ, FWVZ, etc.

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

ISCJB 04 05:30:19.1, 0.3, 37.92N; 0.03; 73.01E; 0.04, h127km, mb4, 1/16, Error ellipse: s-maj=4.7km s-min=3.4km az=158.1

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





Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BJO1 Bjornoya, KBS Kingsbay, ARAO ARCESS Array S, etc.

TAP 04 07:22.5, 22.88N-120.62E, h5km, ML1.7, C, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SSD Sandimen, SGLT Jiouru, SGST Jiasian, etc.

IDC 04 07:23.45.0-46.0, 29.89S-176.39W, h0km, mb3.8/3, mb1 4.0/3, mb1mx3.7/22, mbtmp3.8/3, Error ellipse: s-maj=853.1km s-min=193.9km az=98.0, Kermadec 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.

ISK 04 07:31.13.8, 38.81N-43.33E, h6km, ML2.9 DDA 04 07:31.13.8, 38.80N-43.30E, h7km, ML3.1 ISCBJ 04 07:31.14.4-0.4, 38.81N-0.02-43.32E, 0.03, h13km, 4km, Error ellipse: s-maj=4.6km s-min=3.3km az=2.2 CSEM 04 07:31.14.0-0.2, 38.80N-43.32E, h5km, ML2.9, Error ellipse: s-maj=3.9km s-min=3.1km az=90.0 ISC 04 07:31.14.6-0.9, 38.80N-0.02-43.32E, 0.02, h18km, 3km, n36, e1922/53, Turkey

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VANB Van, ERVC ERVIS-VAN, VMUR Van-Muradiye, TATV Tatvan, HAKT HAKKARI, etc.

IDC 04 07:32.37.9-6.5, 25.97S-29.05E, h0km, mb4.0/2, mb1 3.8/3, mb1mx3.5/26, mbtmp3.8/3, ML2.7/1, Error ellipse: s-maj=125.2km s-min=23.2km az=122.0, South Africa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BOSA Boshof, DBIC Dimbokro, TORD Tordib Ar, etc.

ISCJB 04 07:35.03.9-0.8, 37.69N-0.03-25.82E, 0.04, h1km, 9km, Error ellipse: s-maj=5.7km s-min=5.3km az=9.2 THE 04 07:35.04.1, 37.69N-25.85E, h0km, 1km, ML3.0/5, Error ellipse: s-maj=1.2km s-min=0.4km az=289.0 CSEM 04 07:35.04.1, 37.69N-25.85E, h0km, ML3.0/5 ISC 04 07:35.03.9-1.3, 37.68N-0.03-25.82E, 0.03, h4km, 12km, n21, e055/33, 1C, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like APE Apeiranthos, SWSC Sam W. Stewart, SPIG San Pedro Mart, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CHOS Chios island, SMG Samos, KARY Karystos, THRS Thira Island, BODT Bodrum, etc.

ISK 04 07:45.40.2, 38.70N-43.17E, h3km, MD2.5 CSEM 04 07:45.42.3-0.2, 38.72N-43.17E, h2km, MD2.5, Error ellipse: s-maj=4.8km s-min=4.5km az=122.0 DDA 04 07:45.42.5, 38.70N-43.23E, h7km, ML2.9 ISC 04 07:45.42.4-1.1, 38.71N-0.02-43.16E, 0.02, h4km, 11km, n24, e085/43, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VANB Van, VMUR Van-Muradiye, TATV Tatvan, CLDR Caldiran, TUTA Tutak, etc.

ISCJB 04 07:53.04.9-0.4, 32.20N-0.02-115.27W, 0.02, h4km, 3km, Error ellipse: s-maj=3.5km s-min=3.1km az=25.1 NEIC 04 07:53.07.3-0.0, 32.21N-115.29W, h5km, ML2.8(PAS), ML2.9(EXC), After EXC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CPBX Cerro Prieto, MBIG Mexicali, EMSC East Mesa, DREC Desert Rsrch C, etc.

ISC 04 07:53.04.9-0.9, 32.20N-0.02-115.32W, 0.02, h14km, 6km, n60, e099/88, 3C-7D, California-Baja California border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CPBX Cerro Prieto, MBIG Mexicali, EMSC East Mesa, DREC Desert Rsrch C, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like 113A Dos Picos Cty, DPP Dos Picos Cty, HWB Hans Werner Br, etc.

ISK 04 08:01.56.5, 38.80N-43.38E, h2km, ML2.6 CSEM 04 08:01.56.7-0.2, 38.76N-43.44E, h2km, ML2.6, Error ellipse: s-maj=7.5km s-min=4.7km az=113.0 DDA 04 08:01.57.4, 38.78N-43.39E, h7km, ML2.8 ISC 04 08:01.56.7-0.9, 38.76N-0.02-43.46E, 0.04, h23km, 7km, n21, e193/38, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VANB Van, VMUR Van-Muradiye, TATV Tatvan, CLDR Caldiran, TUTA Tutak, etc.

CSEM 04 08:10.24.7-0.2, 38.77N-43.45E, h19km, 2km, ML2.7, Error ellipse: s-maj=6.0km s-min=4.3km az=91.0 ISCBJ 04 08:10.24.1, 38.75N-43.43E, h21km, ML2.7 ISCBJ 04 08:10.25.4-0.6, 38.76N-0.03-43.48E, 0.07, h26km, 6km, Error ellipse: s-maj=9.5km s-min=5.1km az=176.8 DDA 04 08:10.25.7, 38.76N-43.54E, h7km, ML3.0 ISC 04 08:10.25.2-1.0, 38.78N-0.02-43.46E, 0.04, h19km, 2km, n22, e1916/36, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VANB Van, VMUR Van-Muradiye, TATV Tatvan, CLDR Caldiran, TUTA Tutak, etc.

ECX 04 08:13.52.8-0.7, 32.16N-115.26W, h6km, MD2.5, ML2.7 MEX 04 08:13.53.1-0.7, 32.19N-115.13W, h15km, MD3.6 ISC 04 08:13.50.5-1.1, 32.19N-0.04-115.19W, 0.06, h31km, 9km, n12, e055/19, 2C-2D, California-Baja California border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MBIG Mexicali, CPBX Cerro Prieto, 113A Mohawk Valley, etc.





4d 10h

Table with columns: MBDF, Station Name, Time, Res, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like Montbardon, La Plagne, Wattenberg, etc.

ISK 04 09:53:23.5, 37:30'N, 28:19'E, h8km, MD2.7
CSEM 04 09:53:24.2, 0.2, 37:25'N, 28:19'E, h1km, ML2.7, Error
ellipse: s-maj=5.3km s-min=3.6km az=173.0, Suspected
Mining explosion, Turkey

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

ISCJB 04 09:56:24.0, 5, 39:08'N, 0:04, 29:03'E, 0.03, h5km, 4km,
Error ellipse: s-maj=6.0km s-min=4.5km az=166.8
CSEM 04 09:56:24.3, 0.1, 39:08'N, 29:02'E, h5km, MD2.6, Error
ellipse: s-maj=2.0km s-min=1.8km az=152.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Simav-Kutahya, Demirci, Gediz, etc.

CSEM 04 09:57:23.5, 36:36'N, 25:36'E, h30km, ML2.4/3

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Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Thira Island, Athinios (Pele), Santorini, etc.

CSEM 04 09:57:30.9, 36:40'N, 25:40'E, h7km, ML1.8/3
THE 04 09:57:30.9, 36:40'N, 25:40'E, h7km, ML1.8/3, Error
ellipse: s-maj=1.5km s-min=0.5km az=83.0,
Dodecanese Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Thira Island, Athinios (Pele), Santorini, etc.

IDC 04 10:09:47.5, 3.9, 15:92'S x 175:89'W, h0km, mb3.9/3,
mb1.4, 2/3, mb1mx3.6/32, mbtmp3.9/3, MS3.1/4, Ms1.3/1.4,
ms1mx2.8/30, Error ellipse: s-maj=249.6km
s-min=34.2km az=150.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like AFI, RAO, RAR, URZ, WRA, ASAR, PDAR, CMAR, BRTR, etc.

ISK 04 10:09:53.8, 38:62'N, 43:24'E, h6km, ML2.3
ISCJB 04 10:09:54.9, 0.5, 38:64'N, 0:03, 43:23'E, 0.05, h7km, 5km,
Error ellipse: s-maj=6.1km s-min=4.6km az=9.7
CSEM 04 10:09:54.0, 0.2, 38:58'N, 43:24'E, h10km, ML2.3, Error
ellipse: s-maj=4.6km s-min=4.1km az=99.0
DDA 04 10:09:55.1, 38:64'N, 43:25'E, h7km, ML2.7
ISC 04 10:09:54.8, 0.9, 38:61'N, 0:02, 43:25'E, 0.03, h14km, 6km,
n25, c1905/39, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like VANB, ERVC, VMUR, CLDR, TUTA, GURU, AGRO, AGRB, HAKT, etc.

NIED 04 10:10:00, 36:50'N, 143:80'E, h8km, Mw3.9, Best double
couple: M7.29000, 1014 NP1, q=23.00000, delta 0.00000,
lambda 90.00000, NP2, q=203.00000, phi 66.10000,
lambda 90.00000
IDC 04 10:10:52.4, 1.2, 36:22'N, 144:19'E, h0km, mb3.8/4,
mb1.4, 0/8, mb1mx3.7/54, mbtmp3.9/8, ML3.5/4, Error
ellipse: s-maj=30.0km s-min=21.5km az=120.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ERVC, VMUR, CLDR, TUTA, GURU, AGRO, AGRB, HAKT, etc.

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Table with columns: Code, Station Name, Time, Res, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like Chosi, Kawauchi, Boso 1, etc.

ISCJB 04 10:14:40.9, 0.3, 24:96'N, 0:03, 95:54'E, 0.03, h150km,
mb4.3/26, Error ellipse: s-maj=4.8km s-min=3.2km
az=19.5
NEIC 04 10:14:43.2, 0.5, 24:92'N, 95:59'E, h160km, 5km, mb4.7/10,
Error ellipse: s-maj=8.3km s-min=5.2km az=59.0
IDC 04 10:14:43.7, 0.8, 24:96'N, 95:66'E, h162km, 7km, mb3.8/15,
mb1.3/9, mb1mx3.5/50, mbtmp4.2/16, MS2.7/1,
Ms1.2/1.0, km az=34.0, Error ellipse: s-maj=17.1km
s-min=10.0km az=58.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Hachijo jima 2, Kuruchot, Uzurysik Ar, etc.

ISC 04 10:14:42.2, 0.4, 24:92'N, 0:05, 95:49'E, 0.04, h150km, n67,
c28/28/91, mb4.1/28, Myanmar

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like IMP, SHL, SHL, LSA, CHTO, etc.

ISC 04 10:14:42.2, 0.4, 24:92'N, 0:05, 95:49'E, 0.04, h150km, n67,
c28/28/91, mb4.1/28, Myanmar

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like BOK, GUN, GUN, PKI, PKIN, KKN, DMN, BWNR, GKN, KOLN, PYUN, DQPR, CHLP, VIS, ENH, PVM, SRSP, ADKI, NJS, SMLA, HYB, SRLM, DHRM, SKHT, KLRI, URV, PALK, MKAR, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SONMI Sogino Array, AAK Ala-Archa, AAK Karatay Array, etc.

JMA 04 10:18:42.7, 0.3, 25.00N, 123.56E, h23km, Northeast of Taiwan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like IRIF Iriomote-Funau, JISG Ishigakijimahi, etc.

TAP 04 10:19:29.4, 24.80N, 122.34E, h21km, ML2.5, C, Taiwan region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like TWB1 Santiao Chiao, TWC Suao, TWE Neicheng, etc.

CSEM 04 10:22:33.5, 0.4, 38.63N, 43.52E, h10km, ML2.5, Error ellipse: s-maj=9.8km s-min=4.9km az=125.0

DDA 04 10:22:33.3, 38.64N, 43.51E, h6km, ML2.6

ISK 04 10:22:34.9, 38.74N, 43.44E, h10km, ML2.5

ISCJB 04 10:22:35.2, 0.8, 38.66N, 0.04, 43.48E, 0.08, h12km, 7km, Error ellipse: s-maj=11.9km s-min=6.1km az=24.0

ISC 04 10:22:34.9, 1.1, 38.70N, 0.03, 43.45E, 0.04, h19km, 3km, n19, r18/28, Turkey

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like VANB Van, GEVA Gevas, CLDR Caldiran, etc.

Table with columns: SRMT, Siirt\_Merkez, 1.40 240, P, Pn, 10 22 58.6, -0.8. Includes CSEM 04 10:25:04.5, 39.11N, 29.16E, h7km, MD2.8

NIED 04 10:29:00, 42.00N, 140.00E, h183km, Mw4.4 Best double couple: Mo:4.86000x10^15 NP1:0.88.000000, delta 12.000000, lambda -93.000000, NP2:0.271.000000, delta 78.000000, lambda -89.000000

MOS 04 10:29:25.8, 1.0, 42.15N, 139.87E, h190km, mb4.5/43, Error ellipse: s-maj=7.9km s-min=5.0km az=91.7

BUJ 04 10:29:25.0, 42.10N, 140.04E, h199km, mb4.6/33, mb4.6/24

ISCJB 04 10:29:25.7, 0.2, 42.05N, 0.02, 139.92E, 0.03, h191km, 1km, mb4.5/105, Error ellipse: s-maj=3.8km s-min=2.9km az=34.2

IDC 04 10:29:26.6, 0.8, 42.10N, 139.93E, h186km, 7km, mb4.1/31, mb1.4/2/37, mb1mx1.4/53, mbtmp4.6/37, MS1.8/2, Ms1.1.8/2, ms1mx1.7/45, Error ellipse: s-maj=8.5km s-min=6.9km az=116.0

NEIC 04 10:29:26.3, 0.4, 42.05N, 139.85E, h183km, 4km, mb4.6/58, Error ellipse: s-maj=4.5km s-min=3.5km az=127.0

JMA 04 10:29:27.3, 0.1, 42.03N, 139.97E, h186km, 1km, M4.3

SKHL 04 10:29:28.3, 0.7, 42.24N, 139.95E, h178km, 8km, mb5.3/33, msh4.8/2

ISC 04 10:29:26.9, 0.5, 42.05N, 0.03, 139.93E, 0.04, h193km, 4km, n282, r139/317, mb4.5/105, 15C-22D, Hokkaido region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like JYM2 Yakumo 2, JYJM2 Okushiri-Mats, JOSH Shimam, etc.

Table with columns: MAJO, Matushiro, 5.66 194, eP, Pn, 10 30 49.4, -0.4. Includes stations like MAJO Matushiro, MAT Matushiro, MJAR Matushiro Arr, etc.







4d 11h

MCEL Monticello	0.82	57	Pg	Pn	11 22 48.8 +0.6
MCEL Monticello	0.82	57	Pg	S	11 23 22.0 -0.1
MCEL Monticello	0.82	57	Pg	Pn	11 22 48.8 +0.6
MCEL Monticello	0.82	57	Pg	S	11 23 22.0 -0.1
MMN Mormanno	0.84	89	Pg	Pn	11 22 48.1 0.0
MMN Mormanno	0.84	89	Pg	Pn	11 22 48.1 0.0
MCRV Calabritti - M	0.92	13	Pg	Pn	11 22 48.7 +0.1
MCRV Calabritti - M	0.92	13	Pg	S	11 23 22.2 -0.6
SCHR S. Chirico Rap	0.96	71	Pg	Pn	11 22 48.8 +0.1
SCHR S. Chirico Rap	0.96	71	Pg	S	11 23 23.9 +0.9
MRLC Muro Lucano	0.98	27	Pg	Pn	11 22 48.9 +0.2
MRLC Muro Lucano	0.98	27	Pg	S	11 23 22.4 -0.7
MRLC Muro Lucano	0.98	27	Pg	Pn	11 22 48.9 +0.2
MRLC Muro Lucano	0.98	27	Pg	S	11 23 22.4 -0.7
SALB San Lorenzo Be	1.11	90	Pg	Pn	11 22 49.2 -0.3
SALB San Lorenzo Be	1.11	90	Pg	S	11 23 24.2 -0.2
STR3 STROMBOLI 3	1.12	167	Pg	Pn	11 22 49.8 +0.4
STR3 STROMBOLI 3	1.12	167	Pg	Pn	11 22 49.8 +0.4
CAFE Carife	1.17	13	Pg	Pn	11 22 49.7 +0.1
CAFE Carife	1.17	13	Pg	Pn	11 22 49.7 +0.1
PAOL Paolisi	1.17	348	Pg	Pn	11 22 49.5 -0.1
PAOL Paolisi	1.17	348	Pg	Pn	11 22 49.5 -0.1
CAR1 CAROLEI	1.20	122	Pg	Pn	11 22 49.0 -0.8
CAR1 CAROLEI	1.20	122	Pg	S	11 23 23.1 -1.9
CAR1 CAROLEI	1.20	122	Pg	Pn	11 22 49.0 -0.8
CAR1 CAROLEI	1.20	122	Pg	S	11 23 23.1 -1.9
ACER Acerenza	1.20	41	Pg	Pn	11 22 49.1 -0.7
ACER Acerenza	1.20	41	Pg	Pn	11 22 49.1 -0.7
MRB1 Monte Rocchett	1.24	3	Pg	Pn	11 22 50.3 +0.4
MRB1 Monte Rocchett	1.24	3	Pg	Pn	11 22 50.3 +0.4
PSB1 Pescosannita	1.34	357	Pg	Pn	11 22 50.6 +0.2
PSB1 Pescosannita	1.34	357	Pg	Pn	11 22 50.6 +0.2
MIGL Miglionico	1.38	58	Pg	Pn	11 22 49.8 -0.9
MIGL Miglionico	1.38	58	Pg	Pn	11 22 49.8 -0.9
IACL Alicudi	1.42	198	Pg	Pn	11 22 51.0 0.0
IACL Alicudi	1.42	198	Pg	Pn	11 22 51.0 0.0
MODR Mondragone	1.48	329	Pg	Pn	11 22 51.2 0.0
MODR Mondragone	1.48	329	Pg	S	11 23 27.8 +0.2
MODR Mondragone	1.48	329	Pg	Pn	11 22 51.2 0.0
MODR Mondragone	1.48	329	Pg	S	11 23 27.8 +0.2
MSC Monte Massico	1.48	332	Pg	Pn	11 22 51.4 +0.2
MSC Monte Massico	1.48	332	Pg	Pn	11 22 51.4 +0.2
JOPP Joppolo	1.49	149	Pg	Pn	11 22 50.8 -0.7
JOPP Joppolo	1.49	149	Pg	S	11 23 25.8 -2.2
JOPP Joppolo	1.49	149	Pg	Pn	11 22 50.8 -0.7
JOPP Joppolo	1.49	149	Pg	S	11 23 25.8 -2.2
VPL Vulcano Piano	1.51	177	Pg	Pn	11 22 52.1 +0.5
VPL Vulcano Piano	1.51	177	Pg	Pn	11 22 52.1 +0.5
PIPA Pietrapaola	1.53	105	Pg	Pn	11 22 51.6 0.0
PIPA Pietrapaola	1.53	105	Pg	Pn	11 22 51.6 0.0
MATE Matera	1.58	61	Pg	Pn	11 22 50.9 -0.9
MATE Matera	1.58	61	Pg	S	11 23 26.4 -2.2
MATE Matera	1.58	61	Pg	Pn	11 22 50.9 -0.9
MATE Matera	1.58	61	Pg	S	11 23 26.4 -2.2
VAGA Valle Agricola	1.61	342	Pg	Pn	11 22 52.2 +0.1
VAGA Valle Agricola	1.61	342	Pg	Pn	11 22 52.2 +0.1
SERS Sersale	1.62	121	Pg	Pn	11 22 52.0 -0.4
SERS Sersale	1.62	121	Pg	S	11 23 28.0 -1.6
SERS Sersale	1.62	121	Pg	Pn	11 22 52.0 -0.4
SERS Sersale	1.62	121	Pg	S	11 23 28.0 -1.6
AMUR Altamura	1.65	51	Pg	Pn	11 22 51.7 -0.6
AMUR Altamura	1.65	51	Pg	S	11 23 27.1 -2.5
AMUR Altamura	1.65	51	Pg	Pn	11 22 51.7 -0.6
AMUR Altamura	1.65	51	Pg	S	11 23 27.1 -2.5
MSRU Castanea	1.69	163	Pg	Pn	11 22 52.3 -0.4
MSRU Castanea	1.69	163	Pg	S	11 23 28.5 -1.7
MSRU Castanea	1.69	163	Pg	Pn	11 22 52.3 -0.4
MSRU Castanea	1.69	163	Pg	S	11 23 28.5 -1.7
MPNC Port Mandanici	1.77	168	Pg	Pn	11 22 52.9 -0.4
MPNC Port Mandanici	1.77	168	Pg	Pn	11 22 52.9 -0.4
USI Ustica	1.78	229	Pg	Pn	11 22 53.2 -0.1
USI Ustica	1.78	229	Pg	Pn	11 22 53.2 -0.1
USI Ustica	1.78	229	Pg	Pn	11 22 53.2 -0.1
USI Ustica	1.78	229	Pg	Pn	11 22 53.2 -0.1
ATN Antennamare	1.78	165	P	Pn	11 22 52.8 -0.6
ATN Antennamare	1.78	165	P	Pn	11 22 52.8 -0.6
MSCL Scilla	1.79	157	Pg	Pn	11 22 52.7 -0.8
MSCL Scilla	1.79	157	Pg	Pn	11 22 52.7 -0.8
MIDA Miranda	1.82	345	Pg	Pn	11 22 53.9 +0.4
MIDA Miranda	1.82	345	Pg	Pn	11 22 53.9 +0.4
CERA Filignano	1.84	339	Pg	Pn	11 22 53.4 -0.2
CERA Filignano	1.84	339	Pg	Pn	11 22 53.4 -0.2
MCSR Castoreale	1.84	171	Pg	Pn	11 22 53.9 +0.1
MCSR Castoreale	1.84	171	Pg	Pn	11 22 53.9 +0.1
MCSR Castoreale	1.84	171	Pg	Pn	11 22 53.9 +0.1
MCSR Castoreale	1.84	171	Pg	Pn	11 22 53.9 +0.1
MUCR Uria	1.84	181	Pg	Pn	11 22 53.8 -0.1
MUCR Uria	1.84	181	Pg	Pn	11 22 53.8 -0.1
GMB Gambarie	1.86	157	Pg	Pn	11 22 53.1 -0.9
GMB Gambarie	1.86	157	Pg	Pn	11 22 53.1 -0.9
NOV Novara	1.86	174	Pg	Pn	11 22 54.4 +0.4
NOV Novara	1.86	174	Pg	Pn	11 22 54.4 +0.4
MSFR San Fratello	1.87	187	Pg	Pn	11 22 54.4 +0.4
MSFR San Fratello	1.87	187	Pg	Pn	11 22 54.4 +0.4
PLAC Placianca	1.87	140	Pg	Pn	11 22 53.5 -0.4
PLAC Placianca	1.87	140	Pg	Pn	11 22 53.5 -0.4
NOCI Noci	1.89	61	Pg	Pn	11 22 53.5 -0.4
NOCI Noci	1.89	61	Pg	Pn	11 22 53.5 -0.4
RNI2 Rionero Sannit	1.90	343	Pg	Pn	11 22 54.9 +0.8

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RNI2 Rionero Sannit	1.90	343	Pg	Pn	11 22 54.9 +0.8
MNO Monte Soro	1.96	185	Pg	Pn	11 22 55.8 +1.0
MNO Monte Soro	1.96	185	Pg	Pn	11 22 55.9 +1.1
MNO Monte Soro	1.96	185	Pg	Pn	11 22 55.8 +1.0
MMME Mongiuffi-Meli	1.97	172	Pg	Pn	11 22 54.9 +0.2
MMME Mongiuffi-Meli	1.97	172	Pg	Pn	11 22 54.9 +0.2
PLLN Pollina	1.98	198	Pg	Pn	11 22 54.8 0.0
PLLN Pollina	1.98	198	Pg	Pn	11 22 54.8 0.0
GIB Gibilmanna	2.01	200	Pg	Pn	11 22 55.0 -0.1
GIB Gibilmanna	2.01	200	Pg	Pn	11 22 55.0 -0.1
SOI Samo	2.02	153	Pg	Pn	11 22 54.4 -0.6
SOI Samo	2.02	153	Pg	S	11 23 32.1 -2.3
SOI Samo	2.02	153	Pg	Pn	11 22 54.4 -0.6
SOI Samo	2.02	153	Pg	S	11 23 32.1 -2.3
SOLUN Solunto	2.08	211	Pg	Pn	11 22 55.7 +0.2
SOLUN Solunto	2.08	211	Pg	Pn	11 22 55.7 +0.2
GIUL Giuliano Di Ro	2.09	324	Pg	Pn	11 22 55.2 -0.2
GIUL Giuliano Di Ro	2.09	324	Pg	Pn	11 22 55.2 -0.2
MPG Monte Pellegri	2.10	215	Pg	Pn	11 22 55.9 +0.3
MPG Monte Pellegri	2.10	215	Pg	Pn	11 22 55.9 +0.3
MPAZ Palizzi	2.12	156	Pg	Pn	11 22 55.2 -0.6
MPAZ Palizzi	2.12	156	Pg	Pn	11 22 55.2 -0.6
GALF Gagliano Caste	2.19	187	Pg	Pn	11 22 57.6 +1.2
GALF Gagliano Caste	2.19	187	Pg	Pn	11 22 57.6 +1.2
INTR Introdacqua	2.25	341	Pg	Pn	11 22 56.9 +0.2
INTR Introdacqua	2.25	341	Pg	Pn	11 22 56.9 +0.2
INTR Introdacqua	2.25	341	Pg	Pn	11 22 56.9 +0.2
INTR Introdacqua	2.25	341	Pg	Pn	11 22 56.9 +0.2
CAGR Agira	2.28	188	Pg	Pn	11 22 58.6 +1.5
CAGR Agira	2.28	188	Pg	Pn	11 22 58.6 +1.5
CORL Corleone	2.35	213	Pg	Pn	11 22 57.9 +0.3
CORL Corleone	2.35	213	Pg	Pn	11 22 57.9 +0.3
MESG Mesagne	2.37	72	Pg	Pn	11 22 57.2 -0.4
MESG Mesagne	2.37	72	Pg	Pn	11 22 57.2 -0.4
VAE Valguarnera	2.44	189	P	Pn	11 23 00.9 +2.5
HLNI Lentini	2.54	180	Pg	Pn	11 22 58.8 -0.3
HLNI Lentini	2.54	180	Pg	Pn	11 22 58.8 -0.3
HCRL Carlentini	2.60	178	Pg	Pn	11 22 59.7 0.0
HCRL Carlentini	2.60	178	Pg	Pn	11 22 59.7 0.0
AGST Augusta-Monte	2.64	174	Pg	Pn	11 22 59.3 -0.7
AGST Augusta-Monte	2.64	174	Pg	Pn	11 22 59.3 -0.7
CLTB Calabellotta	2.65	210	Pg	Pn	11 23 00.3 0.0
CLTB Calabellotta	2.65	210	Pg	Pn	11 23 00.3 0.0
CLTB Calabellotta	2.65	210	Pg	Pn	11 23 00.3 0.0
CLTB Calabellotta	2.65	210	Pg	Pn	11 23 00.3 0.0
RAFF Raffo Rosso	2.69	189	Pg	Pn	11 23 00.8 +0.2
RAFF Raffo Rosso	2.69	189	Pg	Pn	11 23 00.8 +0.2
HVZN Vizzini	2.71	183	Pg	Pn	11 23 00.7 -0.1
HVZN Vizzini	2.71	183	Pg	Pn	11 23 00.7 -0.1
AQU L'Aquila	2.71	336	eP	Pn	11 23 00.9 +0.3
AQU L'Aquila	2.71	336	eP	S	11 23 48.1 +3.5
AQU L'Aquila	2.71	336	eP	Pn	11 23 00.9 +0.3
AQU L'Aquila	2.71	336	eP	S	11 23 48.1 +3.5
SSY Sorentino	2.73	177	Pg	Pn	11 23 00.6 -0.3
SSY Sorentino	2.73	177	Pg	Pn	11 23 00.6 -0.3
HMDC Modica	2.92	182	Pg	Pn	11 23 02.8 +0.1
HMDC Modica	2.92	182	Pg	Pn	11 23 02.8 +0.1
HAVL Avola	2.93	176	Pg	Pn	11 23 02.2 -0.5
HAVL Avola	2.93	176	Pg	Pn	11 23 02.2 -0.5
HCY Herceg Novi	3.73	46	Pg	Pn	11 23 10.4 0.0
HCY Herceg Novi	3.73	46	Pg	S	11 24 00.7 -1.6
HCY Herceg Novi	3.73	46	Pg	Pn	11 23 10.4 0.0
HCY Herceg Novi	3.73	46	Pg	S	11 24 00.7 -1.6
KEK Kerkira	3.78	91	P	Pn	11 23 11.0 0.0
KEK Kerkira	3.78	91	P	Pn	11 23 11.0 0.0
BUM Brajici-Budva	3.86	50	Pg	Pn	11 23 11.9 0.0
BUM Brajici-Budva	3.86	50	Pg	S	11 24 03.9 -1.1
BUM Brajici-Budva	3.86	50	Pg	Pn	11 23 11.9 0.0
BUM Brajici-Budva	3.86	50	Pg	S	11 24 03.9 -1.1
ULC Ulcinj	3.89	56	Pg	Pn	11 24 04.0 -1.5
ULC Ulcinj	3.89	56	Pg	Pn	11 24 04.0 -1.5
DRME Dracevica, Mon	3.97	53	Pg	Pn	11 23 13.6 +0.7
DRME Dracevica, Mon	3.97	53	Pg	Pn	11 23 13.6 +0.7
CEME Cevo	4.03	47			







Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CUKAN kangal\_SIVAS, ELZIG Elazig, SCER sogukcermik, etc.

IDC 04 13:58:33.8.0.8, 2.17S, 120.53E, h0km, mb3.0/9, mb1.4/0.10, mb1mx3.8/42, mbtmp3.9/10, ML3.0/1, MS3.2/6, Ms1.3/2.6, ms1mx2.8/36, Error ellipse: s-maj=86.1km s-min=14.3km az=59.0

DJA 04 13:58:36.5.0.2, 2.2S, 121.9E, h10km, M4.4/12, mB4.7/2, mB4.6/4, MLV4.3/12, Mw(mB)3.1/2

ISCJB 04 13:58:37.4.0.4, 2.21S, 120.40E, h35km, mb4.0/9, MS3.2/5, Error ellipse: s-maj=7.0km s-min=5.3km az=25.7

ISC 04 13:58:39.0.0.7, 2.25S, 120.65E, h35km, n25, r146/23, mb4.0/9, MS3.1/5, Sulawesi

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TTSI Tana Toraja, PCI Palu, AFI Ampana, etc.

NEIC 04 14:07:05.1.0.0, 17.01N, 95.34W, h111km, MD4.1 (MEX), After MEX.

MEX 04 14:07:05.1.0.0, 17.01N, 95.34W, h111km, 10km, MD4.1, Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PCIG Pinotepa, PNIG Pinotepa, TLIG Tlapa, etc.

IDC 04 14:15:38.0.1.6, 38.35N, 105.95E, h0km, mb3.3/4, mb1.3/6.4, mb1mx3.2/47, mbtmp3.4/4, Error ellipse: s-maj=65.8km s-min=28.7km az=62.0, Western Nei Mongol

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, ZALV Zalesovo Beam, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 04 14:18:02.5.0.8, 15.05S, 173.67W, h0km, mb3.8/7, mb1.4/1.8, mb1mx3.8/34, mbtmp3.8/6, ML4.0/1, MS2.8/2, Ms1.2.8/2, ms1mx2.6/29, Error ellipse: s-maj=41.2km s-min=18.1km az=143.0

ISCJB 04 14:18:05.0.0.7, 15.1S, 0.2x173.7W, 0.2, h30km, mb3.7/7, MS3.0/1, Error ellipse: s-maj=40.0km s-min=13.4km az=146.6

ISC 04 14:18:06.7.0.8, 15.1S, 0.2x173.67W, 0.2, h30km, n17, r146/10, mb3.8/7, Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AFI Afiamalu, AFI 209nm, ARZ comp, H11S2 WAKE ISLAND Hy, H11S3 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy, H11N2 WAKE ISLAND Hy, STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, VDA Vanda, TXAR Lajitas Array, PDAR Pinedale Array, ILAR Eielson Array, BRTR Keskin Array, GERES Geres Array, etc.

JMA 04 14:21:19.8.0.1, 24.62N, 122.39E, h35km, 3km, M2.4 TAP 04 14:21:19.3.24.74N, 122.30E, h3km, ML2.9, D ISC 04 14:21:18.9.1.0, 24.67N, 122.39E, 0.02, h17km, 9gkm, n37, 0.67/2, 1C, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TWS1 Santiao Chiao, TWS1 Acapulco, TWC Suao, TWC Suao, JYNG Yonagunijimaku, IYNG Ilan, YOJ Yonaguni jima, ENA Nanau, TWE Neicheng, NWF Wu-fen Shan, ENTT Nioudou, TWA Mucha, TWA Mucha, TWY Chenhua, TWY Chenhua, TWD Chiawan, TWD Chiawan, NSK Sangnung, NSK Sangnung, NNS Nan Shan, TWS1 Kuangyinshan, TWS1 Kuangyinshan, WCF Pengchayui, WHF Hehuan Shan, WHF Hehuan Shan, TWT Tachien, TWT Tachien, ESL Shilin, NSST Nuanjangu, NSST Nuanjangu, IRIF Iriomote-Funau, IRIF Iriomote-Funau, HATJ Hateruma jima, HATJ Hateruma jima, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TWS1 Liyutan, EHY Hungye, EHY Hungye, JKRS Kuro-shima, SMLT Sun Moon Lake, TYC Yuchr, TYC Yuchr, JJJ Ishigaki jima, JJJ Ishigaki jima, TWF1 Yuli, TWF1 Yuli, JWSG Ishigakijima, JWSG Ishigakijima, ALS Alishan, ALS Alishan, ALS Alishan, CHN5 Tsauling, CHN5 Tsauling, CHN5 Tsauling, ELDTW Lidau, ELDTW Lidau, ELDTW Lidau, CHN4 Tsausahan, CHN4 Tsausahan, STYT Tayuuan, STYT Tayuuan, STYT Tayuuan, TWK Hsinying, TWK Hsinying, CHN1 Nanshi, CHN1 Nanshi, CHN1 Nanshi, etc.

IDC 04 14:25:07.1.8.7, 15.66S, 173.14W, h0km, mb3.5/2, mb1.3.8/3, mb1mx3.5/31, mbtmp3.6/3, ML3.7/1, Error ellipse: s-maj=406.2km s-min=26.8km az=140.0, Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AFI Afiamalu, AFI 239nm, AFI 48nm, H11S2 WAKE ISLAND Hy, H11S3 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, WRA Warramunga Arr, ASAR Alice Springs, BRTR Keskin Array, etc.

MAN 04 14:25:18.10.29N, 125.08E, h33km, mb4.3, ML3.2, MS3.0, 2C, Leyte

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSLP Maasin, MSLP Maasin, SCPH Surigao, SCPH Surigao, PLP Palo, PLP Palo, OCLP Ormoc, OCLP Ormoc, etc.

MEX 04 14:33:46.8.0.5, 16.99N, 100.16W, h9km, 5km, MD3.6, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CAIG El Cayaco, CAIG El Cayaco, CAIG Acapulco, CAIG Acapulco, MEIG Mezcala, MEIG Mezcala, ARIG Puente Sto Nin, ARIG Puente Sto Nin, PLIG Tlataniilo, PLIG Tlataniilo, TLIG Tlapa, TLIG Tlapa, TLIG Pinotepa, TLIG Pinotepa, PNIG Pinotepa, PNIG Pinotepa, YALG Yautepec, YALG Yautepec, MMIG Aquila, MMIG Aquila, etc.

MEX 04 14:52:09.7.0.5, 16.72N, 95.15W, h88km, 4km, MD3.8, Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMIG Matias Romero, CMIG Matias Romero, CMIG Huatulco, CMIG Huatulco, TUIG Tuzandepetl, TUIG Tuzandepetl, VHO Vista Hermosa, VHO Vista Hermosa, VHO Vista Hermosa, PCIG Tehuacan, PCIG Tehuacan, TPIG Tehuacan, TPIG Tehuacan, PNIG Pinotepa, PNIG Pinotepa, CCGI Comitan, CCGI Comitan, TLIG Tlapa, TLIG Tlapa, etc.

NIED 04 14:56:00.35.70N, 140.60E, h53km, Mw4.6 Best double couple: Ms9.00000, 1015 NP1: 95.193, 0.00000, 817.00000, 1.88, 0.00000, NP2: 95.15, 0.00000, 873.00000, 1.91, 0.00000, BUJ 04 14:56:29.6.35.56N, 141.10E, h45km, mb4.6/58, mb4.8/36, Ms4.2/26, Ms7.4/121

ISCJB 04 14:56:34.6.0.3, 35.68N, 0.03, 140.64E, 0.04, h57km, 2km, mb4.6/64, MS3.8/16, Error ellipse: s-maj=5.3km s-min=4.4km az=13.5

NEIC 04 14:56:35.9.0.7, 35.57N, 140.59E, h55km, 6km, mb4.8/16, Error ellipse: s-maj=7.9km s-min=6.9km az=46.0

NEIC Felt [I] at Tokyo. Also felt at Narita. Recorded [2 JMA] in Chiba and Ibaraki.

JMA 04 14:56:35.7.1.0, 35.72N, 140.63E, h49km, 1km, M3.9 Broadband fault plane solution: P waves, NP1: 95.00000, 875.00000, 1.88, 0.00000, NP2: 95.194, 0.00000, 815.00000, 1.97, 0.00000, Principal axes: T P1g60.00000, Azm275.00000; N P1g2.00000; Azm8.00000; P P1g60.00000, Azm99.00000;

JMA Felt [I] JMA MOS 04 14:56:35.7.1.0, 35.72N, 140.63E, h64km, mb4.7/31 Error ellipse: s-maj=9.5km s-min=5.8km az=113.7

IDC 04 14:56:39.1.3.1, 35.78N, 140.51E, h71km, 22km, mb3.9/21, mb1.4/1.23, mb1mx4.0/44, mbtmp4.3/23, MS3.6/10, Ms1.1.6/10, ms1mx3.3/37, Error ellipse: s-maj=30.8km













4d 15h

MAW	comp=Z,2.1nm,0.6s,baz=288,slow=3.2,SNR=3.4	PKKPbc	PKKPbc	16 14 18.9	-1.4
MAW	comp=Z,1.9nm,0.8s,baz=316,slow=1.3,SNR=4.6	LR	LR	16 27 25.2	
CIT	comp=Z,360nm,20.5s,baz=72,slow=32	eP	eP	15 55 46.5	+0.6
CIT	Chita	81.54 330		15 56 16.2	
CIT	comp=Z,351nm,1.3s	pmx	pmx		
YAK	Yakutsk	82.51 343	P	15 55 50.8	+0.2
YAK	comp=Z,127nm,0.7s,baz=181,slow=1.4,SNR=76	P	P	15 55 50.6	0.0
YAK	Yakutsk	82.51 343c	/P	15 56 26.9	+1.7
YAK	comp=Z,127nm,0.7s,baz=181,slow=1.4,SNR=76	eS	eS	15 59 05.1	
YAK	Yakutsk	82.51 343c	/P	16 05 56.5	+0.9
YAK	comp=Z,321nm,0.9s	pmx	pmx	16 11 25.3	+4.8
YAK	comp=E,64nm,1.3s	pmx	pmx		
YAK	comp=N,118nm,1.3s	pmx	pmx		
YAK	comp=Z,155nm,3.0s	pmx	pmx		
YAK	comp=E,27nm,0.7s	pmx	pmx		
YAK	comp=N,70nm,2.5s	smx	smx		
YAK	comp=N,195nm,2.1s	smx	smx		
YAK	comp=E,150nm,3.6s	smx	smx		
YAK	Yakutsk	82.51 343	eP	15 55 50.5	-0.1
YAK	comp=Z,357nm,0.9s	LR	LR		
YAK	comp=Z,501nm,22.0s	ULN	ULN	15 55 52.3	+0.7
ULN	Ulanbaatar	82.59 324c	/P	15 55 52.4	+0.8
ULN	comp=Z,166nm,1.0s	ULN	ULN		
ULN	Ulanbaatar	82.59 324	eP	15 55 52.4	+0.8
ULN	comp=Z,496nm,22.0s	ULN	ULN		
ULN	Ulanbaatar	82.59 324	P	15 55 52.5	+0.8
ULN	SNR=70	ULN	ULN		
ULN	Ulanbaatar	82.59 324	P	15 55 52.5	+0.8
SONM	Songino Aray	82.95 324	P	15 55 53.9	+0.5
SONM	comp=Z,50nm,0.8s,baz=150,slow=7.4,SNR=177	pP	pP	15 56 26.5	-1.5
SONM	comp=Z,3.3nm,0.7s,baz=27,slow=30,SNR=1.2	PKKPbc	PKKPbc	16 14 16.3	-1.4
SONM	comp=Z,2.1nm,1.2s,baz=336,slow=3.3,SNR=6.2	PKKPbc	PKKPbc	16 22 22.0	+2.2
SONM	comp=Z,0.3nm,0.3s,baz=262,slow=3.0,SNR=4.0	P	P	15 55 53.9	+0.5
SONM	Songino Aray	82.95 324	/P	15 56 26.5	-1.5
SONM	comp=Z,49nm,0.8s	pmx	pmx		
SONM	comp=Z,3.0nm,0.7s	pmx	pmx		
SONM	comp=Z,2.0nm,1.2s	pmx	pmx		
BILL	Billibino	83.00 360c	iP	15 55 53.1	0.0
BILL	comp=Z,65nm,1.0s	MLR	MLR	15 59 13.8	
BILL	comp=Z,169nm,19.0s	GAOTAI	GAOTAI	15 55 55.3	+0.9
GTA	Gaotai	83.09 314	/P	15 56 30.4	+1.4
GTA	comp=Z,172nm,1.0s	sP	sP	15 56 46.1	+2.6
GTA	Gaotai	83.09 314	/P	16 06 03.6	+0.7
GTA	comp=Z,72nm,1.0s	sS	sS	16 07 04.0	+1.4
GTA	comp=Z,550nm,7.1s	pmx	pmx		
GTA	comp=Z,220nm,16.9s	LR	LR		
GTA	comp=Z,260nm,19.5s	LR	LR		
GTA	comp=Z,300nm,18.3s	LR	LR		
PAF	Port-aux-Franc	83.24 221	eP	15 55 53.5	-1.4
PAF	comp=Z,172nm,1.0s	pmx	pmx		
PAF	Port-aux-Franc	83.24 221	eP	15 55 53.5	-1.4
RC01	Rabbit Creek A	83.31 19	eP	15 55 54.7	-0.1
RC01	comp=Z,150nm,1.2s	pmx	pmx		
PMR	Palmer	83.88 19	eP	15 55 56.5	-1.2
PMR	comp=Z,108nm,1.3s	pmx	pmx		
PMR	Palmer	83.88 19	eP	15 55 56.5	-1.2
SAO	San Andreas Ge	84.51 50	eP	15 56 01.2	-0.3
SAO	comp=Z,108nm,1.3s	pmx	pmx		
SAO	San Andreas Ge	84.51 50	eP	15 56 01.2	-0.3
SAO	comp=Z,17nm,0.8s	pmx	pmx		
SAO	San Nicolas Is	84.62 54	eP	15 56 38.5	+2.3
SC22	Santa Cruz Isl	84.81 53	P	15 56 02.7	+0.6
KTH	Kantishna Hill	84.82 17	eP	15 56 00.8	-1.7
TRF	Thorofare Moun	84.93 18	eP	15 56 01.8	-1.3
BOD	Bodaibo	84.95 334	eP	15 56 02.6	-0.6
BOD	comp=Z,129nm,1.7s	pmx	pmx		
PKM	Mcherson Peak	85.01 52	P	15 56 04.7	+0.4
L02D	Cave Junction,	85.21 44	P	15 56 05.7	+0.9
N02D	Trinity Center,	85.32 46	P	15 56 06.8	+1.2
M02C	Callahan	85.39 45	P	15 56 07.0	+1.1
CIS	Catalina Islan	85.54 54	P	15 56 06.6	-0.2
MCK	McKinley	85.54 18	P	15 56 06.5	+0.5
MCK	comp=Z,43nm,1.1s	pmx	pmx		
MCK	McKinley	85.54 18	P	15 56 06.5	+0.5
MCK	comp=Z,43nm,1.1s	pmx	pmx		
MCK	Yreka Blue Hor	85.63 45	eP	15 56 41.0	+0.2
O03D	Paynes Creek	85.67 46	P	15 56 07.0	-0.3
OSI	Osito Audit: C	85.74 53	P	15 56 06.4	-1.3
CMB	Columbia Colle	85.78 49	eP	15 56 07.7	-0.2
CMB	comp=Z,99nm,0.8s	pmx	pmx		
CMB	Columbia Colle	85.78 49	eP	15 56 07.7	-0.2
HUMO	Hull Mountain	85.83 44	eP	15 56 07.5	-0.5
HUMO	comp=Z,99nm,0.8s	pmx	pmx		
HUMO	Arvin	85.85 52	P	15 56 45.4	+2.6
ARVC	Vestal, Richgr	85.92 51	P	15 56 08.3	-0.2
VES	Vestal, Richgr	85.92 51	P	15 56 08.3	-0.2
LSA	Lhasa	85.93 302	PFAKE	15 56 20.0	+1.1
RCTA	Recto, Farmer	85.97 51	P	15 56 08.4	-0.3
PASC	Pasadena Art C	85.99 53	eP	15 56 08.2	-0.8
ZAK	Zakamensk	86.01 325	eP	15 56 08.6	-0.2
ZAK	comp=Z,97nm,1.3s	pmx	pmx		
I03D	Drain, OR	86.03 43	P	15 56 08.7	-0.2
M04C	Macdoel	86.25 45	P	15 56 09.9	-0.3
ISA	Isabella, Lake	86.31 52	P	15 56 10.6	0.0
109C	Camp Elliot, M	86.38 55	P	15 56 11.5	+0.7
EDW2	Edwards Air Fo	86.40 53	P	15 56 11.4	+0.4

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IRK	Irkutsk	86.40 327	eP	15 56 10.1	-0.4
IRK	comp=Z,97nm,2.3s	pmx	pmx		
BFSC	Mount Baldy Ra	86.42 53	P	15 56 11.1	-0.1
BFSC	comp=Z,222nm,21.2s	LR	LR	16 33 04.0	
TLY	Talaya	86.45 326	LR	15 56 10.7	-0.1
TLY	comp=Z,222nm,21.2s	LR	LR	16 06 25.5	
TLY	Talaya	86.45 326c	/P	16 06 35.8	+0.5
TLY	comp=Z,39nm,0.7s	eS	eS		
TLY	comp=Z,39nm,0.7s	pmx	pmx		
TLY	comp=Z,167nm,20.0s	MLR	MLR		
TLY	Talaya	86.45 326	eP	15 56 10.9	+0.2
TLY	SNR=15	TLY	TLY		
TLY	Talaya	86.45 326	P	15 56 11.2	+0.4
TLY	SNR=15	TLY	TLY		
MURC	Murrieta	86.56 54	P	15 56 12.4	+0.6
J04D	Umpqua Nationa	86.66 44	P	15 56 12.4	+0.2
I04A	Tendick Farm,	86.69 43	P	15 56 12.4	+0.2
COLA	College	86.70 18	eP	15 56 09.0	-2.6
COLA	comp=Z,28nm,1.0s	pmx	pmx		
COLA	College	86.70 18	eP	15 56 09.0	-2.6
COLA	comp=Z,28nm,1.0s	MLR	MLR		
COLA	College	86.70 18	eP	15 56 09.0	-2.6
G03D	McMinnville, O	86.73 41	P	15 56 12.1	-0.2
MLAC	Mammoth, Mammo	86.77 50	P	15 56 13.2	+0.2
LRMC	Laurel Mtn Rd	86.85 52	P	15 56 13.7	+0.4
CWC	Cottonwood Cre	86.89 51	P	15 56 13.5	0.0
ILAR	Eielson Aray	86.91 18	P	15 56 10.8	-1.9
ILAR	comp=Z,11nm,0.9s,baz=234,slow=5.8,SNR=3.5	pP	pP	15 56 42.5	-5.1
ILAR	comp=Z,11nm,0.9s,baz=234,slow=5.8,SNR=3.5	PKIKP	PKIKP	16 01 17.9	+0.4
ILAR	comp=Z,2.5nm,0.6s,baz=348,slow=2.5,SNR=20	PKKP	PKKP	16 14 05.0	+2.7
ILAR	comp=Z,2.5nm,0.6s,baz=348,slow=2.5,SNR=20	PKKP	PKKP	16 22 11.4	+0.2
ILAR	comp=Z,1.3nm,1.0s,baz=344,slow=2.7,SNR=4.5	LR	LR	16 27 30.1	
MONP2	Monument Peak	86.92 55	P	15 56 13.9	+0.2
DOT	Dot Lake	86.99 20	P	15 56 13.5	+0.4
TIN	Timema, Big	87.00 50	P	15 56 14.7	+0.7
BBB	Bella Bella	87.07 34	P	15 56 15.7	+2.0
IKP	In-Ko-Pah, Jac	87.08 55	P	15 56 14.9	+0.5
WRAK	Wrangell Islan	87.13 29	PFAKE	15 56 30.0	+1.6
PFO	Pinoy Flats O	87.14 54	P	15 56 14.9	+0.2
PFO	comp=Z,16nm,0.7s,baz=272,slow=4.0,SNR=14	LR	LR	16 34 10.6	
PFO	Pinoy Flats O	87.14 54	eP	15 56 13.2	-1.5
PFO	comp=Z,22nm,0.8s	pmx	pmx		
PFO	Pinoy Flats O	87.14 54	eP	15 56 14.7	0.0
DAC	Darwin (Calif)	87.20 51	eP	15 56 13.9	-1.1
DAC	comp=Z,37nm,1.3s	pmx	pmx		
DAC	Darwin (Calif)	87.20 51	eP	15 56 13.9	-1.1
DAC	comp=Z,38nm,1.3s	pmx	pmx		
DAC	Darwin (Calif)	87.20 51	eP	15 56 13.9	-1.1
DAC	comp=Z,37nm,1.3s	pmx	pmx		
MPMC	Manual Prospec	87.20 52	P	15 56 15.0	-0.1
J05D	Fort Rock, OR	87.26 44	P	15 56 15.7	+0.6
NLWA	Neilson Lookou	87.29 39	eP	15 56 15.1	+0.1
NLWA	comp=Z,15nm,0.8s	pmx	pmx		
MOD	Modoc Plateau	87.35 45	eP	15 56 15.4	-0.1
MOD	comp=Z,553nm,19.0s	pmx	pmx		
MOD	Modoc Plateau	87.35 45	eP	15 56 15.4	-0.1
MOD	comp=Z,17nm,1.1s	pmx	pmx		
SWSC	Sam W. Stewart	87.43 55	P	15 56 15.8	-0.1
GSC	Goldstone, Bar	87.45 53	P	15 56 15.8	-0.3
I05D	Terrebonne, OR	87.62 43	P	15 56 16.8	+0.2
GRAC	Grapevine Rang	87.63 51	P	15 56 16.8	0.0
BELC	Belle Mtn. Jos	87.63 54	P	15 56 17.6	+0.5
HEC	Hector, Ludlow	87.65 53	P	15 56 16.9	-0.2
FURC	Furnace Creek,	87.82 51	P	15 56 18.0	+0.3
COLD	Coldfoot	87.83 15	eP	15 56 17.8	+0.8
COLD	comp=Z,12nm,0.8s	pmx	pmx		
MOY	Mondy	87.89 325	eP	15 56 50.5	-1.5
MOY	comp=Z,109nm,2.5s	pmx	pmx		
MOY	Mondy	87.89 325	eP	15 56 18.5	+0.7
MOY	comp=Z,109nm,2.5s	pmx	pmx		
B03D	Big Chuckawall	87.94 54	P	15 56 19.2	+0.7
G05D	Wamic, OR	88.00 42	P	15 56 19.9	+0.5
TAPN	Taplejung	88.03 299	eP	15 56 19.5	+0.2
SHOC	Shoshone, Teco	88.07 52	P	15 56 18.9	-0.1
ODAM	Odare	88.15 298	eP	15 56 19.9	+0.1
GMRC	Granite Mounta	88.16 53	P	15 56 19.6	+0.1
TUQ	Turquoise Moun	88.18 53	P	15 56 19.7	+0.1
GLA	Glamis	88.24 55	P	15 56 20.2	+0.4
GLA	comp=Z,251,SNR=6.9	pmx	pmx		
GLA	Glamis	88.24 55	P	15 56 20.2	+0.4
GLA	comp=Z,251,SNR=6.9	pmx	pmx		
GLA	Glamis	88.24 55	P	15 56 20.2	+0.4

MSO	Missoula	93.36 42 P	P	15 56 43.6 +0.2
HWUT	Hardwre Ranch	93.39 48 eP	P	15 56 40.8 -3.0
HYB	Hyderabad	93.40 287 i P	P	15 56 42.0 -2.1
HYBB	Hyderabad (bro	93.40 287 eP	P	15 56 43.0 -1.2
HYBB		IAMB		15 56 45.4
HYBB		comp=Z,19nm,0.8s	eSKS	16 07 03.9 -2.3
121A	Cookes Peak, D	93.74 57 P	P	15 56 45.9 +0.3
121A	Cookes Peak, D	93.74 57 eP	P	15 56 45.9 +0.3
DLMT	Dillon	93.79 44 eP	P	15 56 45.1 -0.3
SRSP	Sriramsagar	93.97 288 eP	P	15 56 45.9 -0.8
SRSP		IAMB		15 56 48.3
SRSP		comp=Z,54nm,1.1s	eSKS	16 07 07.3 -1.9
MVCO	Mesa Verde	94.43 53 PFAKE	SKS	15 57 00.0 +1.1
MVCO		LR		
comp=Z,430nm,21.0s				
PV04	Paradox Valley	94.44 52 eP	P	15 56 48.4 -0.2
BOZ	Bozeman (W)	94.51 44 P	P	15 56 48.9 +0.1
BOZ		PFAKE		15 57 00.0 +1.1
BOZ		LR		
comp=Z,351nm,22.0s				
LKWY	Lake	95.05 45 PFAKE	LR	15 57 00.0 +8.6
LKWY		LR		
comp=Z,1.1um,22.0s				
DGZ	Jazzart, Alta	95.11 320 i P	P	15 56 51.4 0.0
DGZ		pmax		
comp=Z,24nm,0.7s				
BW06	Boulder Array	95.14 47 P	P	15 56 51.1 -0.8
BW06		PFAKE		15 57 00.0 +8.1
BW06		LR		
PDAR	Pinedale Array	95.14 47 P	P	15 56 51.2 -0.7
PDAR		comp=Z,1.8nm,0.8s,baz=208,slow=3.9,SNR=9.0		16 00 36.6 -7.0
PDAR		PP		
PDAR		comp=Z,2.0nm,1.1s,baz=242,slow=3.2,SNR=9.9		16 13 45.0 -2.1
PDAR		PKKP		
PDAR		comp=Z,1.5nm,0.7s,baz=76,slow=4.3,SNR=8.9		16 22 00.1 +2.1
PDAR		PKKP		
PDAR		comp=Z,0.6nm,0.7s,baz=70,slow=1.7,SNR=4.9		16 36 21.2
PDAR		LR		
KLRI	Killari	95.36 287 eP	P	15 56 51.9 -1.3
KLRI		IAMB		15 56 54.5
KLRI		comp=Z,20nm,1.0s	eSKS	16 07 12.7 -4.1
O20A	White River Ci	95.40 50 P	SKS	15 56 52.8 -0.3
O20A		baz=255		
O20A		comp=Z,22nm,1.1s	eP	15 56 53.3 0.0
ANMO	Albuquerque	95.44 55 P	P	15 56 53.0 -0.3
ANMO		baz=255		
ANMO		comp=Z,5.0nm,1.2s	eP	15 56 52.3 -1.0
ANMO		comp=Z,5.7nm,1.3s	PKKP	16 13 47.5 +1.2
ANMO		PKKP		
ANMO		LR		
MNTX	Cornudas Mount	95.50 59 P	P	15 56 53.1 -0.3
MNTX		comp=Z,423nm,20.0s		
MNTX		baz=256		
MNTX		comp=Z,2.1nm,1.0s	eP	15 56 53.9 +0.5
MNTX		LR		
MNTX		comp=Z,501nm,20.0s		
RLMT	Red Lodge	95.98 45 P	P	15 56 55.5 0.0
RLMT		baz=255		
RLMT		comp=Z,14nm,1.2s	eP	15 57 10.0 +1.4
RLMT		LR		
TXAR	Lajitas Array	96.36 61 P	P	15 56 57.6 0.0
TXAR		comp=Z,2.2nm,0.7s,baz=225,slow=4.5,SNR=18		15 57 31.5 -1.2
TXAR		PP		
TXAR		comp=Z,3.3nm,0.8s,baz=229,slow=5.2,SNR=6.2		16 00 54.0 +0.9
TXAR		PKKP		
TXAR		comp=Z,2.8nm,1.2s,baz=244,slow=5.4,SNR=14		16 01 36.4 +1.6
TXAR		PKKP		
TXAR		comp=Z,0.3nm,0.5s,baz=274,slow=3.5,SNR=2.3		16 13 45.3 +1.0
TXAR		PKKP		
TXAR		comp=Z,0.4nm,0.5s,baz=110,slow=4.1,SNR=4.7		16 21 25.0 -4.6
TXAR		PKKP		
TXAR		comp=Z,0.3nm,0.2s,baz=103,slow=2.8,SNR=3.8		16 36 09.9
EGMT	Eagleton	96.43 42 PFAKE	LR	15 57 10.0 +1.3
EGMT		LR		
SDCO	Great Sand Dun	96.87 53 PFAKE	LR	15 57 10.0 +1.0
SDCO		LR		
comp=Z,552nm,21.0s				
ISCO	Idaho Springs	97.27 51 P	P	15 57 01.4 -0.3
ISCO		baz=256		
ISCO		comp=Z,701nm,21.0s		
N23A	Red Feather La	97.28 50 P	P	15 57 00.9 -0.7
T25A	Trinidad	97.57 54 P	P	15 57 02.8 -0.2
MK31	Makanchi Array	97.64 316 i P	Pdf	15 57 03.0 +0.2
MK31		pmax		
MKAR	Makanchi Array	97.64 316 P	P	15 57 02.7 0.0
MKAR		comp=Z,37nm,0.7s,baz=98,slow=6.0,SNR=166		15 57 37.6 -0.4
MKAR		PP		
MKAR		comp=Z,9.2nm,0.8s,baz=98,slow=6.2,SNR=2.3		16 01 02.5 +0.1
MKAR		PP		
MKAR		comp=Z,1.9nm,0.8s,baz=101,slow=7.5,SNR=3.6		16 01 36.4 0.0
MKAR		PKKP		
MKAR		comp=Z,2.2nm,0.7s,baz=229,slow=2.5,SNR=8.7		16 07 27.1 -0.3
MKAR		SKS		
MKAR		comp=Z,1.1nm,0.8s,baz=85,slow=2.6,SNR=4.6		16 13 36.7 -3.5
MKAR		PKKP		
MKAR		comp=Z,1.4nm,0.6s,baz=273,slow=3.9,SNR=11		16 40 57.1
MKAR		LR		
ZALV	Zalesovo Beam	97.85 324 P	P	15 57 02.7 -0.7
ZALV		comp=Z,38nm,0.7s,baz=116,slow=4.6,SNR=114		15 01 38.0 +1.5
ZALV		PKKP		
ZALV		comp=Z,1.7nm,0.5s,baz=114,slow=1.7,SNR=4.1		16 13 36.9 -2.9
ZALV		PKKP		
ZALV		comp=Z,1.2nm,0.5s,baz=286,slow=3.4,SNR=5.0		16 41 16.7
ZALV		LR		
comp=Z,109nm,19.6s,baz=68,slow=35				
MAKZ	Makanchi	97.85 316 i P	P	15 57 03.2 -0.5
YAKA	Yellowknife Ar	97.88 27 P	P	15 57 03.1 -0.3
YKA		comp=Z,12nm,0.7s,baz=258,slow=4.5,SNR=17		16 13 36.8 -3.2
YKA		PKKP		
YKA		comp=Z,3.6nm,0.7s,baz=76,slow=2.9,SNR=5.7		16 36 50.4
LAO	LASA Array	98.42 44 P	P	15 57 06.9 +0.5
LAO		LR		
LAO		comp=Z,340nm,19.0s		
NVS	Novosibirsk	98.96 324 eP	Pdf	15 57 08.6 +0.2
NVS		e		16 07 36.3
NVS		comp=N,15nm,1.5s	pmax	
NVS		comp=E,33nm,1.5s	pmax	
NVS		comp=Z,44nm,1.5s	pmax	
JCT	Junction City	99.89 61 PFAKE	LR	15 57 20.0 +6.8
JCT		LR		
DGMT	Dagmar	100.14 43 PFAKE	LR	15 57 20.0 +6.1
DGMT		LR		
OGNE	Ogallala	100.19 50 PFAKE	LR	15 57 30.0 +1.6
OGNE		LR		
comp=Z,243nm,20.0s				
KSH	Kashi	100.60 308 eP	Pdf	15 57 18.0 +1.7
KSH		eP		16 01 28.3 +3.0
KSH		SKS		16 07 39.5
KSH		S		16 08 36.1 -5.6
KSH		SS		16 15 40.1 -1.5

KSH		comp=Z,11nm,1.2s	pmax	
KSH		comp=Z,120nm,7.9s	pmax	
KSH		comp=Z,130nm,7.0s	LR	
KSH		comp=Z,110nm,6.3s	LR	
KSH		comp=Z,220nm,7.4s	LR	
KURK	Kurchatov	100.84 320 i P	Pdf	15 57 17.6 +0.7
KURK		comp=Z,69nm,1.1s	eP	
KURK		comp=Z,215nm,1.4s	eP	15 57 16.3 -0.6
KURK		PKKP		16 13 28.7 -2.5
KURK		PKKP		16 13 52.6
comp=Z,656nm,19.0s				
KURK	Kurchatov	100.84 320 P	Pdf	15 57 17.3 +0.4
KURK		SNR=9.3		
KURK	Kurchatov	100.84 320 P	Pdf	15 57 17.3 +0.4
KURK		SNR=9.3		
KURBB	Kurchatov Arra	100.88 320 P	PKKP	16 13 28.7 -2.4
KURBB		comp=Z,1.2nm,0.5s,baz=284,slow=3.3,SNR=12		
KURBB		PKKP		16 13 52.6
comp=Z,0.6nm,0.7s,baz=287,slow=4.4,SNR=4.5				
KVXT	Kingsville	100.94 64 PFAKE	LR	15 57 30.0 +1.2
KVXT		comp=Z,707nm,22.0s		
WMOK	Wichita Mounta	101.55 57 PFAKE	LR	15 57 30.0 +9.5
WMOK		comp=Z,630nm,19.0s		
PAYG	Puerto Ayora	101.68 94 PFAKE	LR	15 57 30.0 +8.4
PAYG		comp=Z,1.1um,22.0s		
AAK	Ala-Archa	102.25 311 P	PKKP	16 13 25.9 -1.1
AAK		SNR=9.3		
AAK	Ala-Archa	102.25 311 P	Pdf	15 57 23.6 0.0
AAK		comp=Z,16nm,1.9s	eP	
AAK	Ala-Archa	102.25 311 P	Pdf	15 57 22.6 -1.0
AAK		comp=Z,4.5nm,0.9s	PKKP	16 13 25.9 -1.1
AAK		PKKP		
AAK		LR		
FFC	Flin Flon	102.58 36 PFAKE	LR	15 57 40.0 +1.5
FFC		comp=Z,308nm,20.0s		
comp=Z,1.1um,22.0s				
PLCA	Paso Flores	102.70 139 P	Pdf	15 57 25.4 -0.3
PLCA		comp=Z,1.9nm,1.0s,baz=281,slow=5.2,SNR=3.0		
PLCA		PKKP		16 01 37.6 -2.7
PLCA		comp=Z,0.5nm,0.5s,baz=248,slow=13,SNR=2.9		16 13 23.6 -1.7
PLCA		PKKP		
KSU1	Kansas State U	103.98 53 PFAKE	LR	15 57 40.0 +8.8
KSU1		comp=Z,386nm,20.0s		
NATX	Nacogdoches	104.45 61 PFAKE	LR	15 57 40.0 +6.6
NATX		comp=Z,470nm,19.0s		
ECSD	EROS Data Cent	104.60 48 PFAKE	LR	15 57 40.0 +6.2
ECSD		comp=Z,281nm,20.0s		
AGMN	Agassiz Nation	105.61 44 PFAKE	LR	16 02 00.0
AGMN		comp=Z,625nm,19.0s		
MIAR	Mount Ida	105.76 58 PFAKE	LR	16 02 00.0
MIAR		comp=Z,462nm,21.0s		
ULM	Lac du Bonnet	105.78 41 PKIP	PKIP	16 01 49.8 -1.2
ULM		comp=Z,2.6nm,0.4s,baz=240,slow=2.8,SNR=4.5		
U39A	Green Forest	106.07 56 P	PKIP	16 01 52.0 0.0
U39A		baz=263		
BVA0	Borovoye Array	106.19 321 i P	Pdf	15 57 40.4 -0.3
BVA0		comp=Z,14nm,1.2s	pmax	
BVAR	Borovoye Array	106.19 321 P	PKKP	15 57 12.9 -2.4
BVAR		comp=Z,1.1nm,0.5s,baz=309,slow=3.6,SNR=7.5		
BRVK	Borovoye	106.26 321 P	Pdf	16 01 40.0 -0.2
BRVK		comp=Z,1.1nm,0.5s,baz=309,slow=3.6,SNR=7.5		
BRVK		PKKP		16 01 52.3 +0.6
BRVK		comp=Z,240nm,22.0s		
S39A	Bolivar	106.36 55 P	PKIP	16 01 51.4 -1.1
S39A		baz=263		
B34A	Aery, Baudette	106.43 43 P	PKIP	16 01 51.5 -0.8
B34A		baz=266		
RES	Resolute Bay	106.57 46 PKIP	PKIP	16 01 50.9 -0.8
RES		comp=Z,3.2nm,0.6s,baz=254,slow=3.0,SNR=12		
RES		PP		16 02 07.2 -1.3
RES		comp=Z,3.5nm,0.8s,baz=260,slow=5.6,SNR=5.3		16 13 11.9 -2.8
RES		PKKP		
RES		comp=Z,5.1nm,0.6s,baz=130,slow=3.5,SNR=6.3		16 13 28.2 +1.4
RES		PKKP		
U40A	Yellville	106.57 56 P	PKIP	16 01 52.8 -0.2
U40A		baz=263		
R39A	Chumby, Stover	106.65 54 P	PKIP	16 01 52.1 -0.9
R39A		baz=266		
SCIA	State Center	106.88 50 PFAKE	LR	16 02 00.0
SCIA		LR		
comp=Z,533nm,19.0s				
W41B	Gary Mavity, V	106.92 57 P	PKIP	16 01 52.5 -1.0
W41B		baz=263		
T40A	Manfield	106.93 55 P	PKIP	16 01 52.5 -1.1
T40A		baz=264		
S40A	Lebanon	107.00 55 P	PKIP	16 01 52.5 -1.1
S40A		baz=263		
P39B	Salisbury	107.00 53 P	PKIP	16 01 52.6 -1.0
P39B		baz=264		
F36A	Milaca	107.00 46 P	PKIP	16 01 52.8 -0.6
F36A		baz=266		
B35A	Bob, Littlefor	107.04 44 P	PKIP	16 01 52.4 -1.0
B35A		baz=266		
E36A	McGregor	107.23 46 P	PKIP	16 01 53.0 -0.8
E36A		baz=265		
K38A	Parkersburg	107.28 50 P	PKIP	16 01 53.3 -0.7
K38A		baz=265		
SPMN	Marine on St.	107.46 47 P	PKIP	16 01 53.9 -0.9
SPMN		baz=266		
S41A	Jilico Farms	107.59 55 P	PKIP	16 01 53.9 -0.9
S41A		baz=264		
C36A	Pine Crest Far	107.60 44 P	PKIP	16 01 53.7 -0.7
C36A		baz=267		
L39A	Vinton	107.80 50 P	PKIP	16 01 54.9 -0.1
L39A		baz=266		
J39A	Decorah	108.11 49 P	PKIP	16 01 54.8 -0.7
J39A		baz=266		
G38A	Tridgland	108.12 47 P	PKIP	16 01 55.6 +0.1
G38A		baz=267		
Q41A	Ruxton	108.12 54 P	PKIP	16 01 55.0 -0.7
Q41A		baz=265		
TEIG	Tepech	108.26 73 PFAKE	LR	16 02 10.0
TEIG		LR		
comp=Z,7.0nm,20.0s				
EYMN</				

4d 15h

Table with columns for country/region, name, time, and status. Includes entries like SUR Sutherland, BOS Boshof, GROG Grozny, etc.

2011 NOV

Table with columns for country/region, name, time, and status. Includes entries like NOA SKPab, AKASG Malin Array, AKASG Grozny, etc.

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Table with columns for country/region, name, time, and status. Includes entries like VYHS Vyhne, VYHS Vyhne, VYHS Vyhne, etc.





4d 16h

Table with columns: DKL, Dikili, 0.78 97 ePg, Pp, 15 58 21.2 -0.3, BODT Bodrum, 0.87 321 P, Sn, 16 29 17.4 0.0, ERZM Erzurum, 1.99 304 iP, Pb, 16 29 32.6 -1.3

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Table with columns: BODT Bodrum, 0.87 321 P, Sn, 16 29 17.4 0.0, ERZM Erzurum, 1.99 304 iP, Pb, 16 29 32.6 -1.3

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Table with columns: ERZM Erzurum, 1.99 304 iP, Pb, 16 29 32.6 -1.3, ERZM Erzurum, 1.99 304 iP, Pb, 16 29 32.6 -1.3

CSEM 04 16:00:01.8, 37:16N-22:00E, h7km, ML2.0/4

ATH 04 16:00:01.8, 37:16N-22:00E, h7km, 1km, ML2.0/4, Error ellipse: s-maj=1.8km s-min=1.0km az=168.0, Southern Greece

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Op, ISC, Time, Res, h m s ISC

CSEM 04 16:28:41.9, 1.38:67N-43:44E, h0km, ML3.7

AZER 04 16:28:54.1, 1.7, 38:47N-42:43E, h9km, Error ellipse: s-maj=15.5km s-min=10.9km az=15.0

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Op, ISC, Time, Res, h m s ISC

0.1mm, 0.3s, baz=49, slow=23, SNR=2.1

GOBA Gobu, 5.07 70 iP, Pb, 16 30 22.9 -3.4

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Op, ISC, Time, Res, h m s ISC

ATH 04 16:28:47.8, 36:40N-28:00E, h67km, 2km, ML3.1/4, Error ellipse: s-maj=2.7km s-min=1.2km az=129.0

ISC 04 16:28:48.7, 36:44N-28:00E, h62km, MD3.3

CSEM 04 16:28:48.0, 1.36:37N-28:01E, h60km, ML3.1, Error ellipse: s-maj=3.5km s-min=3.1km az=149.0

ISCJB 04 16:28:48.0, 0.5:39N-0:03:27.99E, 0:04, h62km, 5km, Error ellipse: s-maj=5.5km s-min=4.7km az=159.5

THE 04 16:28:49.8, 36:41N-27:99E, h56km, 1km, ML3.3/4, Error ellipse: s-maj=1.4km s-min=0.5km az=153.0

HLW 04 16:28:54.7, 35:78N-28:17E, h32km, 23km, M3.0

ISC 04 16:28:48.8, 1.2, 36:39N-0:03:28.00E, 0:03, h61km, 6km, n70, c072/96, Dodecanese Islands

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Op, ISC, Time, Res, h m s ISC

ISC 04 16:28:57.6, 0.8:38N-0:02:43.51E, 0:02, h11km, 6km, n134, c1582/156, mb3.3/4, 19C-15D, Turkey

Code, Station Name, A°, AZ°, Phase ID, Op, ISC, Time, Res, h m s ISC

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Op, ISC, Time, Res, h m s ISC

ISC 04 16:35:01.9, 38:63N-43:19E, h5km, ML2.2

CSEM 04 16:35:02.7, 0.2, 38:65N-43:21E, h10km, ML2.7, Error ellipse: s-maj=4.1km s-min=3.7km az=130.0

DDA 04 16:35:02.8, 38:66N-43:22E, h7km, ML2.7, Error ellipse: n24, c1821/39, Turkey

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Op, ISC, Time, Res, h m s ISC

Table with 5 columns: EATA, EATA, EATA, I/S, Sg, Pg, Sg, Pg, Sg, 16 35 46.7 +1.6, 16 35 27.5 -0.5, 16 35 46.7 +1.6

ISCJB 04 16:47:17.3:0.5,35:69N:0:03:140:74E:0:07,h56km,4km, mb3,7/8, Error ellipse: s-maj=9.9km s-min=5.5km az=176.3

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC

NNC 04 16:47:28.2:3.0,37:24N:71:43E,h0km,mb3.6,mpv3.2, 7C, Error ellipse: s-maj=24.5km s-min=11.1km az=162.0, Afghanistan-Tajikistan border region

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC

ISCJB 04 16:54:37.3:0.5,50:31N:0:03:18:76E:0:03,h0km, Error ellipse: s-maj=5.1km s-min=2.3km az=17.0

IPEC 04 16:54:38.0:0.2,50:30N:18:82E,h2km,ML2.4/3, Error ellipse: s-maj=2.4km s-min=1.1km az=168.0

CSEM 04 16:54:38.4:0.2,50:28N:18:78E,h2km,ML3.2/9, Error ellipse: s-maj=6.0km s-min=2.5km az=14.0

PRU 04 16:54:39.4,50:26N,18:75E,h0km

WAR 04 16:54:39.2,50:27N,18:83E,h1km,Mw2.8

ISC 04 16:54:38.9:0.8,50:18N:0:04:18:75E:0:02,h0km,n46, az=67/76,4C-4D,Poland

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with 5 columns: VRAC, VRAC, VRAC, I/S, Sg, Pg, Sg, Pg, Sg, 1 65 239 S, 1 65 239 I/P, 1 65 33.7 +1.9

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC

ISC 04 16:55:12.7:0.9,39:70N:0:05:70:98E:0:06,h10km, Error ellipse: s-maj=7.9km s-min=6.4km az=172.6

NNC 04 16:55:14.0:0.5,39:77N:71:17E,h0km,mb3.3,mpv3.0, Error ellipse: s-maj=8.8km s-min=2.5km az=139.0

ISC 04 16:55:13.3:1.2,39:80N:0:06:71:15E:0:04,h10km,n12, az=27/24,14C-12D,Tajikistan

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC

KRNET 04 16:55:10.8:0.1,39:69N:71:09E,mb2.8

ISCJB 04 16:55:12.7:0.9,39:70N:0:05:70:98E:0:06,h10km, Error ellipse: s-maj=7.9km s-min=6.4km az=172.6

NNC 04 16:55:14.0:0.5,39:77N:71:17E,h0km,mb3.3,mpv3.0, Error ellipse: s-maj=8.8km s-min=2.5km az=139.0

ISC 04 16:55:13.3:1.2,39:80N:0:06:71:15E:0:04,h10km,n12, az=27/24,14C-12D,Tajikistan

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC

ISC 04 17:02:58.4,36:99N:29:13E,h5km,ML3.0

ATH 04 17:02:58.1,37:10N:29:27E,h19km,2km,ML3.0/2, Error ellipse: s-maj=4.1km s-min=2.1km az=149.0

CSEM 04 17:02:59.8:0.1,36:99N:29:12E,h2km,ML3.0, Error ellipse: s-maj=3.6km s-min=2.9km az=141.0

DDA 04 17:03:04.2,37:62N:29:24E,h7km,ML3.0

ISC 04 17:02:59.9:1.1,36:99N:0:02:29:13E:0:02,h2km,11km, n63, az=68/72, Turkey

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC

ISC 04 17:02:58.4,36:99N:29:13E,h5km,ML3.0

ATH 04 17:02:58.1,37:10N:29:27E,h19km,2km,ML3.0/2, Error ellipse: s-maj=4.1km s-min=2.1km az=149.0

CSEM 04 17:02:59.8:0.1,36:99N:29:12E,h2km,ML3.0, Error ellipse: s-maj=3.6km s-min=2.9km az=141.0

DDA 04 17:03:04.2,37:62N:29:24E,h7km,ML3.0

Table with 5 columns: KSL, KSL, KSL, comp=N,1327um,0.4s, AML, AML, 17 03 39.6

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC

ISC 04 17:10:23.0:0.2,38:70N:43:39E,h15km,ML2.3, Error ellipse: s-maj=5.6km s-min=3.9km az=112.0

DDA 04 17:10:23.6,38:70N:43:43E,h7km,ML2.5

ISCJ 04 17:10:24.0:0.5,38:72N:0:02:43:37E:0:05,h6km,6km, Error ellipse: s-maj=7.2km s-min=3.9km az=8.9

ISC 04 17:10:23.7:1.0,38:71N:0:02:43:41E:0:03,h17km,8km, n24, az=15/41, Turkey

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC

ISC 04 17:11:31.8,38:62N:43:22E,h18km,ML2.5

CSEM 04 17:11:32.9:0.3,38:66N:43:21E,h15km,ML2.5, Error ellipse: s-maj=6.5km s-min=6.0km az=107.0

DDA 04 17:11:33.3,38:66N:43:22E,h14km,ML2.6

ISC 04 17:11:33.1:0.8,38:67N:0:02:43:19E:0:03,h11km,6km, n20, az=81/36, Turkey

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC

ISC 04 17:11:31.8,38:62N:43:22E,h18km,ML2.5

CSEM 04 17:11:32.9:0.3,38:66N:43:21E,h15km,ML2.5, Error ellipse: s-maj=6.5km s-min=6.0km az=107.0

DDA 04 17:11:33.3,38:66N:43:22E,h14km,ML2.6

ISC 04 17:11:33.1:0.8,38:67N:0:02:43:19E:0:03,h11km,6km, n20, az=81/36, Turkey

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC

ISC 04 17:11:31.8,38:62N:43:22E,h18km,ML2.5

CSEM 04 17:11:32.9:0.3,38:66N:43:21E,h15km,ML2.5, Error ellipse: s-maj=6.5km s-min=6.0km az=107.0

DDA 04 17:11:33.3,38:66N:43:22E,h14km,ML2.6

ISC 04 17:11:33.1:0.8,38:67N:0:02:43:19E:0:03,h11km,6km, n20, az=81/36, Turkey





4d 18h

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like CHGN Chignik, ILAR Eielson Array, WR1 Warramunga Arr, etc.

IDD 04 17:59:08.137.0.23.86N:121.86E, h0km, mb3.7/4, mb1 3.7/4, mb1mx3.2/57, mbtmp3.7/4, Error ellipse: s-maj=676.3km s-min=147.6km az=132.0

Main table for 4d 18h section, listing station codes, names, and various parameters. Includes stations like NNS Nan Shan, EHP Heping Village, EHP Heping Village, etc.

2011 NOV

Table for 2011 NOV section, listing station codes, names, and various parameters. Includes stations like CHY Chiayi, JYNG Yonagunijimaku, PCYT Pengchayiu, etc.

IDD 04 18:00:30.55.0.20.41S:176.48W, h0km, mb3.8/3, mb1 4.0/3, mb1mx3.6/37, mbtmp3.8/3, Error ellipse: s-maj=1029.0km s-min=170.7km az=83.0, Fiji Islands

Main table for 2011 NOV section, listing station codes, names, and various parameters. Includes stations like STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, etc.

202

Table for 202 section, listing station codes, names, and various parameters. Includes stations like ABVI Anegada Island, TOA1 Torodi Arr, TORO Torodi Arr, etc.

NIED 04 18:17:00.35:30N:141.90E, h17km, Mw3.9 Best double couple: Meq.699000x10^14 NP1:36.5900000, 866.00000, lambda-9.00000, NP2:153.00000, 861.00000, lambda-156.00000

ISCJ 04 18:17:18.3:0.8, 35:15N:141.84E, h0km, mb3.7/8, mb1 3.8/12, mb1mx3.7/47, mbtmp3.7/12, ML3.1/4, MS2.7/1, Ms=1.2/9.1, ms1mx2.1/43, Error ellipse: s-maj=20.8km s-min=17.2km az=10.4

ISCJ 04 18:17:19.8:1.3, 35:31N:141.83E, h0km, mb3.7/8, mb1 3.8/12, mb1mx3.7/47, mbtmp3.7/12, ML3.1/4, MS2.7/1, Ms=1.2/9.1, ms1mx2.1/43, Error ellipse: s-maj=8.5km s-min=6.3km az=17.4

JMA 04 18:17:19.9:0.2, 35:34N:141.88E, h48km, mb3.6, MS3.6, ISC 04 18:17:19.8:2.1, 35:33N:141.82E, h12km, mb1.1km, n34, i156/35, mb3.6/8, Near east coast of eastern

Main table for 202 section, listing station codes, names, and various parameters. Includes stations like Code Station Name, Az, Op, Phase ID, Time Res, ISC, h m s, ISC.

IDD 04 18:22:02.8:14.0, 15:29S:165.83E, h0km, mb3.9/3, mb1 4.0/4, mb1mx3.6/32, mbtmp3.9/4, ML3.7/1, Error ellipse: s-maj=23.2km s-min=36.2km az=56.0

ISCJ 04 18:22:04.7:1.3, 15:25S:165.9E:0.2, h36km, mb4.3/7, Error ellipse: s-maj=24.9km s-min=11.6km az=164.8

NEIC 04 18:22:06.7:1.2, 15:29S:165.89E, h35km, mb4.7/2, Error ellipse: s-maj=23.2km s-min=15.2km az=85.0

ISC 04 18:22:06.8:1.5, 15:31S:165.9E:0.2, h36km, n12, c210/14, mb3.8/7, Vanuatu Islands

Table for 202 section, listing station codes, names, and various parameters. Includes stations like DZM Mont Dzumac, STKA Stephens Creek, WRA Warramunga Arr, etc.

WEL 04 18:23:01.7:0.5, 36:42S:177.21E, h182km, mb3.9/14, 20:1D, Error ellipse: s-maj=9.4km s-min=8.6km az=90.0, Off east coast of North Island

Main table for 202 section, listing station codes, names, and various parameters. Includes stations like HAZ Te Kaha, HAZ Te Kaha, HAZ Te Kaha, etc.



4d 20h

ISC 04 19:51:06.2:1.1, 35.37N:0.06:23.04E:0.06, h45km, 12km, n69, c227/83, mb3.8/7, Crete

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like ANKY, IMMV, KYTH, VAM, etc. with their respective coordinates and phases.

2011 NOV

MOS 04 19:56:21.9:1.0, 54.19N:155.28E, h405km, mb4.2/1, Error ellipse: s-maj=21.4km s-min=15.1km az=124.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like GNL, GAN, APC, etc. with their respective coordinates and phases.

204

HAKT S Sn 19 59 45.6 +1.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like NIED, OFUJ, JIO, etc. with their respective coordinates and phases.







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

BJI 04 21:31:29.2, 7.62S, 103.77E, h32km, mb5.1/70, mB5.0/51, Ms4.9/68, Ms7.4/764

ICD 04 21:31:30.0, 0.3, 7.13S, 103.75E, h0km, mb4.9/28, mb1.5/30, mb1.4/9.35, mbtpm4.9/30, MB1.6/2, MS4.2/25, Ms1.4/2.25, ms1mx4.1/40, Error ellipse: s-maj=13.5km

ISCBJ 04 21:31:30.0, 0.7, 7.18S, 103.76E, h10km, 5km, mb5.1/127, MS4.4/47, Error ellipse: s-maj=3.8km

MOS 04 21:31:32.0, 0.9, 7.07S, 103.86E, h23km, mb5.4/54, MS4.2/14, Error ellipse: s-maj=9.7km s-min=5.1km

NEIC 04 21:31:33.0, 0.6, 7.16S, 103.79E, h25km, 4km, mb5.2/40, Error ellipse: s-maj=4.1km s-min=2.9km az=221.1

GCMT 04 21:31:33.0, 0.7, 7.13S, 103.75E, h20km, Ms4.1/90, Moment Tensor Solution: s47.671, s90.131, Duration: 0

Moment Tensor Solution: s47.671, s90.131, Duration: 0

Moment Tensor Solution: s47.671, s90.131, Duration: 0

Moment Tensor Solution: s47.671, s90.131, Duration: 0

Moment Tensor Solution: s47.671, s90.131, Duration: 0

Moment Tensor Solution: s47.671, s90.131, Duration: 0

Moment Tensor Solution: s47.671, s90.131, Duration: 0

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Moment Tensor Solution: s47.671, s90.131, Duration: 0

Moment Tensor Solution: s47.671, s90.131, Duration: 0

Moment Tensor Solution: s47.671, s90.131, Duration: 0

Moment Tensor Solution: s47.671, s90.131, Duration: 0

Moment Tensor Solution: s47.671, s90.131, Duration: 0

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Moment Tensor Solution: s47.671, s90.131, Duration: 0

Moment Tensor Solution: s47.671, s90.131, Duration: 0

Moment Tensor Solution: s47.671, s90.131, Duration: 0

Moment Tensor Solution: s47.671, s90.131, Duration: 0

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

KDI Kendari 19.05 82 P Pn 21 36 03.6 +8.2

KDM Kudat 19.08 43 P Pn 21 35 56.2 +0.4

MYLDM Lahad Datu 19.12 51 eP Pn 21 35 57.2 +1.0

MRSI Marisa 19.66 68 P Pn 21 36 01.9 -0.8

LUWI Luwuk 19.91 73 P Pn 21 36 13.2 +7.5

LUWI Luwuk 19.91 73 eP Pn 21 36 04.0 +0.1

PATY 19.91 73 P Pn 21 36 07.5 -0.1

PHET Kaeng Krachan 20.28 348 P P 21 36 08.2 +0.3

SOEI Soe 20.48 99 P P 21 36 09.4 -0.9

SOEI Soe 20.48 99 eP P 21 36 09.6 -0.8

MWBA Marlie Bar 20.86 134 eP P 21 36 13.9 -0.3

SRAK Srakaweng 21.02 355 P P 21 36 15.8 -0.2

SRDT SRDT 21.78 348 P P 21 36 23.6 -0.5

UBPT Khong Chiam 22.29 4 P P 21 36 28.3 -1.2

SANI Sanana 22.73 78 P P 21 36 45.0 +1.1

UTHA Uthaiyuan 22.89 349 P P 21 36 36.5 +0.6

CHAI Chaiyaphum 22.90 356 P P 21 36 36.3 +0.3

KHON Khomkaen 23.29 358 P P 21 36 40.4 +0.5

PBKT Sadao Pong 23.66 353 P P 21 36 43.6 +0.1

FITZ Fitzroy Crossi 23.99 119 P P 21 36 45.8 -1.0

FITZ FITZ 24.09 2 P P 21 36 47.5 -0.1

PANO Nakornpanom 24.32 36 P P 21 36 50.4 +0.5

PHIT Phitsanulok 24.34 352 P P 21 36 50.4 +0.5

LBMI Labuha 24.55 76 P P 21 36 56.7 +4.7

UTTA Uttaradi 24.87 353 P P 21 36 55.2 +0.5

LAMP Lampang 25.76 351 P P 21 37 03.6 +0.8

CM01 Chiang Mai Arr 25.78 350 eP P 21 37 02.9 0.0

CM01 Chiang Mai Arr 25.78 350 eP P 21 37 03.7 +0.4

CMAR Chiang Mai Arr 25.82 350 P P 21 37 03.6 +0.4

CMAR Chiang Mai Arr 25.82 350 P P 21 37 03.6 +0.4

CMAR Chiang Mai Arr 25.82 350 P P 21 37 03.6 +0.4

CMAR Chiang Mai Arr 25.82 350 P P 21 37 03.6 +0.4

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CMAR Chiang Mai Arr 25.82 350 P P 21 37 03.6 +0.4

CMAR Chiang Mai Arr 25.82 350 P P 21 37 03.6 +0.4

Table with columns: AS31, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision.

AS31 Alice Springs 33.32 123 eP P 21 38 09.3 -0.7

ASAR Alice Springs 33.32 123 P P 21 38 09.3 -0.7

ASAR Alice Springs 33.32 123 P P 21 38 09.3 -0.7

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ASAR Alice Springs 33.32 123 P P 21 38 09.3 -0.7

ASAR Alice Springs 33.32 123 P P 21 38 09.3 -0.7

ASAR Alice Springs 33.32 123 P P 21 38 09.3 -0.7

ASAR Alice Springs 33.32 123 P P 21 38 09.3 -0.7

ASAR Alice Springs 33.32 123 P P 21 38 09.3 -0.7

ASAR Alice Springs 33.32 123 P P 21 38 09.3 -0.7

4d 21h

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like MRIV, RMQ, JNU, BTO, HHC, etc.

2011 NOV

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like AAK, FRU, CHMS, MDJ, EKS2, etc.

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Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like KMBO, KMBQ, KMBK, etc.

Table with columns for VSR, Storozhevoje, 80.05 325 eP, P, 21 43 40.6 -0.7, etc. Includes entries for ANTO, BR231, TIXI, etc.

Table with columns for KRLC, Kraljiky, 93.42 320 eP, P, 21 44 48.5 +1.3, etc. Includes entries for DPC, Dobruska-Polom, CONSA, etc.

Table with columns for N41A, Harden Midland, 144.07 19 P, PKPab, 21 51 04.6 -0.6, etc. Includes entries for P38A, S34A, N42A, etc.





4d 22h

Table with columns: LSA, YAK, MKAR, ZALV, KURK, KURBB, BVAR, PDAR, TORO. Includes station names, coordinates, and status.

NEIC 04 22:20:55.8-0.6, 35.54N; 76.35E, h10km, mb4.0/7, Error ellipse: s-maj=15.9km s-min=7.5km az=55.0

ISC 04 22:20:55.6-0.8, 35.64N; 76.25E, h0km, mb3.8/9, mb1 3.8/1.5, mb1mx3.6/4.5, mbtmp3.7/15, ML3.3/5, Error ellipse: s-maj=20.7km s-min=14.3km az=63.0

ISCJB 04 22:20:57.0-0.4, 35.59N; 0.03; 76.64E; 0.08, h33km, mb3.7/12, Error ellipse: s-maj=9.4km s-min=4.1km az=173.4

ISC 04 22:21:00.1-0.6, 35.54N; 0.05; 76.52E; 0.09, h35km, n47, c281/46, mb3.8/12, Eastern Kashmir

Main table for 4d 22h section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like DHAM, SDRN, SMLA, etc.

ISCJB 04 22:25:20.6-0.8, 15.15S; 0.3; 176.1W; 0.2, h10km, mb4.3/7, MS3.3/4, Error ellipse: s-maj=48.2km s-min=14.0km az=159.9

ISC 04 22:25:20.6-1.6, 15.00S; 176.16W, h0km, mb3.8/3, mb1 4.1/4, mb1mx3.7/2.5, mbtmp3.8/4, ML3.4/1, MS3.3/4, Mb1 3.3/4, mb1mx3.0/2.4, Error ellipse: s-maj=156.3km s-min=25.7km az=159.0

NEIC 04 22:25:22.0-0.5, 14.98S; 176.18W, h10km, mb4.1/3, Error ellipse: s-maj=33.0km s-min=10.4km az=161.0

ISC 04 22:25:21.6-0.7, 15.15S; 0.3; 176.0W; 0.1, h10km, n15, c163/14, mb4.0/7, MS3.3/4, Tonga Islands

Table for 4d 22h section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like AFI, HNR, PPT, TAU, WRA, ASAR, PDAR, COCO.

2011 NOV

Table for 2011 NOV section with columns: KULM, MAW, CHOW, GNI, BRTR, SANT. Includes station names and coordinates.

IDC 04 22:39:45.5-12.0, 14.68S; 176.86W, h0km, mb3.6/3, mb1 3.9/3, mb1mx3.6/2.3, mbtmp3.6/3, Error ellipse: s-maj=548.8km s-min=36.6km az=140.0, Fiji Islands region

Table for 2011 NOV section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like WRA, ASAR, ILAR.

MDD 04 22:44:01.7-1.9, 35.25N; 10.63W, h0km, mb4.1/3, Error ellipse: s-maj=18.4km s-min=14.6km az=101.0, PPRXIMO IGIL 04 22:44:02.4, 34.95N; 10.62W, h31km, ML2.4, INMG 04 22:44:03.0, 1.0, 3.6; 35.06N; 10.51W, h10km, ML2.4, Error ellipse: s-maj=8.6km s-min=4.0km az=107.0

CSEM 04 22:44:03.0-0.4, 35.23N; 10.32W, h10km, ML3.1/4, Error ellipse: s-maj=7.6km s-min=5.8km az=95.0

ISC 04 22:44:01.0-3.6, 35.22N; 0.1; 10.5W; 0.1, h10km, n72, c130/125, 1L, Azores-Cape St. Vincent Ridge

Main table for 2011 NOV section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like PVFI, MORF, PBDV, PCVE, PVAQ, MESJ, EGRO, EMIN, PMAFR.

ISC 04 22:48:50.2, 38.60N; 43.18E, h9km, ML2.4 DDA 04 22:48:50.7, 38.67N; 43.26E, h7km, ML2.8 CSEM 04 22:48:51.2, 0.2, 0.2, 38.64N; 43.19E, h4km, ML2.4, Error ellipse: s-maj=4.0km s-min=3.1km az=145.0

ISC 04 22:48:51.7-1.0, 38.65N; 0.02; 43.20E; 0.02, h4km, n10km, n26, c104/45, Turkey

Main table for 2011 NOV section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like VNB, VAN, TVAN, GEVA, ERVC, VMUR, PBEJ, EVO, EMIN, PMAFR.

Table for 2011 NOV section with columns: ESPR, EEIF, EEIF, EEIF. Includes station names and coordinates.

PMTG 04 22:45:07.6+1.2, 22.45S; 160.07E, h12km, ML2.3 CSEM 04 22:50:46.0, 38.74N; 43.32E, h7km, ML2.6 DDA 04 22:50:47.0, 38.74N; 43.32E, h7km, ML2.6 ISC 04 22:50:47.0-0.9, 38.78N; 0.03; 43.29E; 0.03, h12km, 8km, n28, c139/45, Turkey

ISC 04 22:50:45.5, 38.76N; 43.23E, h12km, ML2.3 CSEM 04 22:50:46.0, 38.74N; 43.29E, h10km, ML2.3, Error ellipse: s-maj=7.4km s-min=5.8km az=131.0

DDA 04 22:50:46.0, 38.74N; 43.32E, h7km, ML2.6 ISC 04 22:50:47.0-0.9, 38.78N; 0.03; 43.29E; 0.03, h12km, 8km, n28, c139/45, Turkey

Main table for 2011 NOV section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like PMTG, PESTR, EBAD, EBAD, EBAD, PTOM, PMRV, PMRV, ECAB, ECAB, EADA, EADA, EADA, EPLA, EPLA, EQES, EQES, EQES, POLO, POLO, MVO, MVO, MVO, ESDC, ELOB, ELOB, ETOB, ETOB, ETOB, ETOB, VNB, VAN, TVAN, GEVA, ERVC, VMUR, PBEJ, EVO, EMIN, PMAFR.

Table with columns: Station Name, Code, Azimuth, Elevation, Frequency, and other parameters. Includes stations like VMUR Van-Muradiye, GEVA Gevas, CLDR Caldiran, TUTA Tutak, etc.

NIED 04 22:54:00.37, 90N, 144.10E, h5km, Mw4.3 Best double couple: M3.36000x1015 NP1.49.00000, d33.00000, lambda-89.00000, NP2.228.00000, delta7.00000, lambda-91.00000.

IDC 04 22:54:11.3, 0.5, 37.79N, 144.29E, h0km, mb4.3/25, mb1 4.4/31, mb1mx4.4/41, mbtmp4.3/31, ML3.7/7, MS3.6/13, Ms1 3.6/13, ms1mx3.3/41, Error ellipse: s-maj=15.2km s-min=11.4km az=109.0.

ISCJB 04 22:54:13.0, 0.3, 37.93N, 144.08E, 0.03, h15km, 6km, mb4.5/70, MS3.7/19, Error ellipse: s-maj=4.8km s-min=3.7km az=161.1.

MOS 04 22:54:14.4, 1.1, 37.85N, 144.21E, h30km, mb4.7/34, Error ellipse: s-maj=9.0km s-min=6.1km az=103.4.

JMA 04 22:54:14.9, 0.2, 37.94N, 144.07E, h46km, M4.7, NEIC 04 22:54:16.9, 1.4, 37.84N, 144.18E, h34km, 9km, mb4.8/16, Error ellipse: s-maj=5.8km s-min=3.8km az=128.0.

BUI 04 22:54:18.3, 38.12N, 143.87E, h42km, mb4.4/43, mB4.8/29, Ms4.2/23, Ms7.4/23.

ISC 04 22:54:16.0, 0.5, 37.91N, 144.22E, 0.04, h27km, 3km, h27km, pP, n193, c21/237, mb4.6/74, MS3.7/20, 14C-9D, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like OFUJ Ofunato, MIYJ Miyakonagasawa, JMK Ichinoseki, etc.

Table with columns: Station Name, Code, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MDJ Mudanjiang, KRSR Korea Array, KS15 Wonju Array, etc.

Table with columns: Station Name, Code, Azimuth, Elevation, Frequency, and other parameters. Includes stations like WMQ comp=Z, 1.2nm, 0.7s, ZAAO Zalesovo Array, etc.



Table with columns: BMO, Blue Mountains, 69.68, 49, eP, P, 23 05 24.1 +0.9. Includes various station codes and coordinates.

Table with columns: MKAR Makanchi Array, 61.58 326, P, P, 23 06 17.3 +3.9. Includes station codes and coordinates.

Table with columns: IDI Anoyia, 2.54 197, P, Pn, 22 59 33.9 -0.7. Includes station codes and coordinates.

NEIC 04 22:55:52.0,0.0,0.64S:127.96E,h10km,mb4.3/7,After DJA. NEIC Felt [III] at Labuha. ISCJB 04 22:55:54.5,2.2,0.37S:0.10,127.7E,0.1,h23km,15km,mb4.9/9,Error ellipse: s-maj=19.3km s-min=15.2km az=150.6

ATH 04 22:58:53.7,37.73N:25.87E,h30km,1km,ML2.3/8,Error ellipse: s-maj=1.8km s-min=0.9km az=96.0 DDA 04 22:58:53.6,37.69N:25.79E,h13km,ML2.8 CSEM 04 22:58:54.6,0.1,37.71N:25.79E,h12km,ML2.3,Error ellipse: s-maj=4.1km s-min=3.5km az=116.0

IDC 04 23:12:23.7,0.8,37.15S:73.76W,h0km,mb4.1/10,mb1.4,3/13,mb1mx4.2/28,mbtm4.1/13,ML3.8/2,MS3.9/8,Ms1.3/8,ms1mx3.6/28,Error ellipse: s-maj=25.5km s-min=14.9km az=79.0 NEIC 04 23:12:28.0,0.0,37.35S:73.87W,h26km,mb4.6/12,ML4.1(GUC),After GUC. NEIC Felt [III] at Arauco, Concepcion, Coronel, Hualpen, San Pedro de la Paz, Talcahuano and Tirua; [II] at Chiguayante, Lebu and Tomte. GUC 04 23:12:28.3,0.4,37.35S:73.87W,h26km,ML4.1 ISC 04 23:12:24.1,2.2,0.37S:0.04,73.91W,0.08,h4km,12km,n55,r1920/64,mb4.3/17,MS3.9/6,Near coast of central Chile

ellipse: s-maj=8.1km s-min=5.5km az=101.0
ISK 04 23:15:23.0, 38.87N, 43.53E, h17km, MD2.5
ISCBJ 04 23:15:24.0, 38.90N, 0.04:43.51E, 0.07, h16km, 9km,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like VMUR Van-Muradiye, ERCV ERCIS-VAN, VANS Van, etc.

NEIC 04 23:17:16.5, 4.2, 22.48Sx175.85W, h9km, 29km, mb4.3/9,
Error ellipse: s-maj=17.3km s-min=8.5km az=138.0
IDC 04 23:17:29.0, 3.3, 10.62Sx173.22W, h0km, mb4.0/3,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like AFI Afiamalu, FUNA Funafuti, SNZO South Koror, etc.

IDC 04 23:30:52.6, 5.7, 3.32Sx67.48E, h0km, mb3.7/4, mb1 3.9/4,
mb1mx3.4/49, mbtmp3.7/4, MS3.6/10, Ms1 3.6/10,
ms1mx3.2/37, Error ellipse: s-maj=146.9km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like H08N2 Diego Garcia H, H08N3 Diego Garcia H, H08N1 Diego Garcia H, etc.

ISK 04 23:34:59.5, 38.58N, 43.16E, h14km, MD2.5
CSEM 04 23:35:00.3, 0.2, 38.61N, 43.15E, h10km, MD2.5, Error
ellipse: s-maj=5.9km s-min=4.8km az=157.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like VANB Van, GEVA Gevas, VMUR Van-Muradiye, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like TATV Tatvan, CLDR Caldiran, TUTA Tuta, etc.

IDC 04 23:36:25.5, 1.6, 24.10Sx174.89W, h0km, mb4.4/9,
mb1 4.5/12, mb1mx4.2/36, mbtmp4.4/12, ML3.7/3, MS3.8/8,
Ms1 3.8/8, ms1mx3.5/24, Error ellipse: s-maj=55.4km

ISCJJB 04 23:36:29.6, 0.6, 23.52Sx0.07x174.92W, 0.09, h33km,
mb4.6/19, MS3.8/7, Error ellipse: s-maj=13.1km
s-min=8.7km az=23.3

NEIC 04 23:36:31.1, 3.2, 23.47Sx174.94W, h31km, 23km, mb4.9/12,
Error ellipse: s-maj=13.5km s-min=9.5km az=133.0
ISC 04 23:36:29.1, 0.7, 23.85Sx0.1x174.85W, 0.09, h24km, n44,
e144/34, mb4.6/19, MS3.8/7, Tonga Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like RAO Raoul Island, MSVF Nonsavu, AFI Afiamalu, etc.

IDC 04 23:42:53.6, 26.0, 23.66Sx179.22W, h566km, 234km,
mb3.0/5, mb1 3.2/5, mb1mx2.9/34, mbtmp4.0/5, Error
ellipse: s-maj=222.8km s-min=128.1km az=122.0, South
of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like CTA Charters Tower, ASAR Alice Springs, WRA Warramunga Arr, etc.

BUI 04 23:43:39.8, 26.22N, 99.45E, h6km, ML3.6/7
ISCBJ 04 23:43:41.3, 0.5, 26.22N, 0.07:99.42E, 0.07, h10km,
ms3.6/11, Error ellipse: s-maj=12.3km s-min=6.8km
az=39.9

IDC 04 23:43:41.5, 1.0, 26.24N, 99.38E, h0km, mb3.6/8,
mb1 3.6/9, mb1mx3.4/52, mbtmp3.6/9, ML3.9/1, Error
ellipse: s-maj=38.2km s-min=16.1km az=78.0

NEIC 04 23:43:43.0, 0.5, 26.25N, 99.47E, h10km, mb4.1/3,
ML3.6(BUI), Error ellipse: s-maj=14.7km s-min=9.3km
az=58.0

ISC 04 23:43:42.0, 0.6, 26.12N, 0.07:99.46E, 0.06, h10km, n17,
e194/21, mb3.7/11, Yunnan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like KMI Kunming, KMI Kimaobu, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like GEVA Gevas, TUTA Tuta, AGRB Hanur-Agry, etc.

IDC 04 23:41:55.7, 9.3, 3.38Sx67.84E, h0km, mb3.5/4, mb1 3.7/4,
mb1mx3.3/45, mbtmp3.5/4, MS3.3/6, Ms1 3.3/6,
ms1mx3.0/31, Error ellipse: s-maj=297.4km
s-min=33.0km az=66.0, Carlsberg Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like H08N2 Diego Garcia H, H08N3 Diego Garcia H, H08N1 Diego Garcia H, etc.

IDC 04 23:42:53.6, 26.0, 23.66Sx179.22W, h566km, 234km,
mb3.0/5, mb1 3.2/5, mb1mx2.9/34, mbtmp4.0/5, Error
ellipse: s-maj=222.8km s-min=128.1km az=122.0, South
of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like CTA Charters Tower, ASAR Alice Springs, WRA Warramunga Arr, etc.

BUI 04 23:43:39.8, 26.22N, 99.45E, h6km, ML3.6/7
ISCBJ 04 23:43:41.3, 0.5, 26.22N, 0.07:99.42E, 0.07, h10km,
ms3.6/11, Error ellipse: s-maj=12.3km s-min=6.8km
az=39.9

IDC 04 23:43:41.5, 1.0, 26.24N, 99.38E, h0km, mb3.6/8,
mb1 3.6/9, mb1mx3.4/52, mbtmp3.6/9, ML3.9/1, Error
ellipse: s-maj=38.2km s-min=16.1km az=78.0

NEIC 04 23:43:43.0, 0.5, 26.25N, 99.47E, h10km, mb4.1/3,
ML3.6(BUI), Error ellipse: s-maj=14.7km s-min=9.3km
az=58.0

ISC 04 23:43:42.0, 0.6, 26.12N, 0.07:99.46E, 0.06, h10km, n17,
e194/21, mb3.7/11, Yunnan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like KMI Kunming, KMI Kimaobu, CMAR Chiang Mai Arr, etc.

IDC 04 23:54:34.6, 8.6, 17.67Sx175.57W, h0km, mb3.4/2,
mb1 3.6/2, mb1mx3.4/25, mbtmp3.4/2, Error ellipse:
s-maj=365.1km s-min=47.6km az=12.0, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like WRA Warramunga Arr, ASAR Alice Springs, TORD Torred Ar. Bea, etc.

IDC 05 00:03:29.3, 5.3, 5.78Sx151.27E, h0km, mb3.7/3,
mb1 4.0/3, mb1mx3.6/21, mbtmp3.8/3, Error ellipse:
s-maj=111.1km s-min=49.9km az=120.0, New Britain
region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, etc.

ISK 05 00:09:04.6, 38.72N, 43.18E, h4km, MD2.7
CSEM 05 00:09:05.4, 0.2, 38.74N, 43.17E, h5km, MD2.7, Error





5d 0h

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Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like KAIM Kayak Island, BMRM Bremner River, PS11 TAPS Pump S11, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BMN Battle Mountain, BMN Battle Mountain, BMN Battle Mountain, etc.

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

Table with columns: Call Sign, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like Whitesboro, Wits Springs, Hugo, Fulton Ridge, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like Kiev, Ala-Archa, Stebnicka Huta, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like Kars, Horasan, BINGOL, etc.

5d 1h

Table with columns: SRTM, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Siirt\_Merkez, Eleskirt, EATA, etc.

GUC 05 01:38:03.3.0.6, 22:05Sx70:26W, h35km, 2km, ML3.5, 3C-6D, Near coast of northern Chile

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

IDC 05 01:42:25.6.0.8, 39.05N; 72.44E, h0km, mb3.7/14, mb1.3/9/22, mb1mx3.8/47, mbmp3.8/22, ML3.3/8, MS3.1/2, Ms1.3/1.2, ms1mx2.5/57, Error ellipse: s-maj=13.8km s-min=12.0km az=155.0

KRNET 05 01:42:27.4.0.1, 39.35N; 72.37E, mb3.8 NNC 05 01:42:32.4.0.4, 39.25N; 72.56E, h190km, 49km, mb3.0, mpv4.0, Error ellipse: s-maj=42.0km s-min=16.7km az=137.0

SOME 05 01:42:32.6.39.75N; 71.95E, h10km ISC 05 01:42:27.2.0.6, 39.29N; 0.04; 72.41E; 0.03, h10km, n70, c±250/99, mb3.7/14, 20C-14D, Kyrgyzstan

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Sufi-Kurgan, Batken, DZherino, Almayashu, etc.

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Table with columns: TNS5, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Tian-Shan, MDOOK, KOTs, etc.

ISCJB 05 01:49:17.9.0.9, 18.24S; 0.03; 168.28E; 0.02, h36km, 7km, mb5.7/275, MS5.5/227, Error ellipse: s-maj=4.3km s-min=3.3km az=4.8

MOS 05 01:49:18.5.0.9, 18.23S; 168.30E, h45km, mb5.9/62, MS5.4/63, Error ellipse: s-maj=7.6km s-min=7.0km az=106.0

NEIC 05 01:49:18.8.0.1, 18.24S; 168.30E, h34km, mb5.8/184, MS5.7, MS5.5/165, MW5.8, MW5.9, Error ellipse: s-maj=3.9km s-min=3.3km az=132.0, Moment Tensor Solution, s45 Moment tensor: Scale 1017Nm; Mn7.01; M1=2.23; M2=4.73; M3=1.05; M4=3.53; M5=0.65. Best double couple: M7.30000; 1017 Np1=141.00000; s50.00000; 1.95.00000; NP2=329.00000; s41.00000; 1.96.00000. Principal axes: T 7.1400, Plg4.0000; Azm13.0000; N 0.2400, Plg4.0000; Azm144.0000; P -7.3800, Plg5.0000; Azm235.0000; Broadband fault plane solution: P waves. NP1=150.00000; s50.00000; 1.90.00000. NP2=330.00000; s40.00000; 1.90.00000. Principal axes: T Plg85.0000; Azm60.0000; N Plg0.0000; Azm0.0000; P Plg5.0000; Azm240.0000; Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism.

NEIC 05 01:49:19.0.0.0, 18.09S; 167.99E, h45km, Moment Tensor Solution, s35 Moment tensor: Scale 1017Nm; Mn8.39; M1=1.36; M2=7.03; M3=2.10; M4=3.05; M5=0.27; Best double couple: M8.60000; 1017 Np1=145.00000; s50.00000; 1.75.00000. NP2=348.00000; s42.00000; 1.107.00000. Principal axes: T 8.8300, Plg77.0000; Azm353.0000; N -0.4000, Plg11.0000; Azm154.0000; P -8.4300, Plg3.0000; Azm245.0000;

GCMT 05 01:49:19.0.0.1, 18.31S; 168.06E, h45km, MW5.9/148, Moment Tensor Solution, s142, c299; s143, c419; Duration: 2s2 Moment tensor: Scale 1018Nm; Mn0.96; M1=0.01; M2=0.01; M3=0.85; M4=1.01; M5=0.1; M6=0.14; M7=0.1; Best double couple: M0.93900; 1018 Np1=156.00000; s50.00000; 1.86.00000. NP2=343.00000; s40.00000; 1.95.00000. Principal axes: T 0.8730, Plg84.0000; Azm36.0000; N 0.1310, Plg3.0000; Azm159.0000; P -1.0050, Plg5.0000; Azm249.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.

IDC 05 01:49:19.0.0.5, 18.27S; 168.36E, h37km, 3km, mb5.0/28, mb1.5/131, mb1mx5.1/37, mbmp5.2/31, ML5.4/3, MS5.3/20, Ms1.5/3/20, ms1mx5.0/26, Error ellipse: s-maj=12.5km s-min=10.7km az=83.0

BJJ 05 01:49:21.5.17.44S; 168.13E, h39km, mb5.5/74, mb5.9/68, MS5.4/83, MS7.3/379

ISC 05 01:49:19.3.0.3, 18.25S; 0.03; 168.31E; 0.04, h41km, 2km, h41km; PP-P, n1002, c1F54/955, mb5.7/284, MS5.5/229, 78C-17D, Vanuatu Islands

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PORTLAGUERRE, MONT DZUMAC, Norfolk Island, Honiara, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like NWAO Ampana, NWAO Narrogin (SRO), NWAO Ampana, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like SBJJ Serang, SBJJ Yuli, CGJI Cibinong, etc.





Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PMR, WDC, W02D, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like F04A, COLA, TUQ, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like LCMT, D08A, CCUT, etc.

5d 1h

Table with columns for station call letters, location, frequency, and various signal quality metrics (e.g., SNR, S/N, etc.).

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Table with columns for station call letters, location, frequency, and various signal quality metrics (e.g., SNR, S/N, etc.).

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Table with columns for station call letters, location, frequency, and various signal quality metrics (e.g., SNR, S/N, etc.).

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like San Juan, Lusaka, Pulkovo, and various regional stations.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like Ostrava-Krasne, Moravsky Berou, Dobruska-Polom, and various regional stations.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like Vay Valandovo, KHC, KHC, KHC, and various regional stations.















Table with columns: Code, Station Name, Az, El, P, R, S, Time, Res. Includes stations like KMBO Kilima Mbogo, MAJO Matushiro, MAT Matushiro, etc.

ISN 05 03:23:32.71.1.38164N:43:26E, h0km, ML4.3
IDC 05 03:23:44.6.0.9.38164N:43:24E, h0km, mb3.9/8
mb1 4.0/12, mb1mx3.7/50, mbtmp3.8/12, ML2.6/3, MS3.6/2,
Ms1 3.5/2, ms1mx2.9/49, Error ellipse: s-maj=15.0km
s-min=11.6km az=159.0
MOS 05 03:23:44.1.6.38174N:43:29E, h13km, mb4.6/10, Error
ellipse: s-maj=9.0km s-min=5.0km az=101.1
ISK 05 03:23:45.6.38172N:43:23E, h5km, ML4.3
NEIC 05 03:23:45.9.0.0.38172N:43:24E, h5km, mb4.3/7,
ML4.4(ISK), After ISK.
DDA 05 03:23:46.5.38171N:43:24E, h20km, M4.2
AZER 05 03:23:46.4.1.4.38154N:42:63E, h9km, Error ellipse:
s-maj=12.8km s-min=11.9km az=31.0
CSEM 05 03:23:47.0.0.1.38169N:43:25E, h5km, mb4.0/12, Error
ellipse: s-maj=3.9km s-min=3.2km az=129.0
ISC 05 03:23:47.2.0.8.38168N:01:43:24E:0.01, h11km, 5km,
n280, r185/338, mb124.16/36-35D, Turkey

Table with columns: Code, Station Name, Az, El, P, R, S, Time, Res. Includes stations like VANB Van, TVAN Van, ERVOC ERVOC, etc.

Main table with columns: Code, Station Name, Az, El, P, R, S, Time, Res. Includes stations like BASK Baskale, AGRB Hanur-Agry, DYDN Diyadin, etc.

Main table with columns: Code, Station Name, Az, El, P, R, S, Time, Res. Includes stations like GUDG Gudauri, ONI Oni, ZKTA Zakatla, etc.



ISK 05 03:45:20.2, 0.40:54N:25:65E, h8km, MD2.6
DDA 05 03:45:21.2, 0.40:53N:25:74E, h7km, MI2.7
ISC 05 03:45:20.0-0.9, 40.56N:0.02:25.65E:0.02, h8km, 8km,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SMTH Samothraki Isl, GADV Gvkgeada, RDO Rodhopy, etc.

JMA 05 03:46:26.8, 0.1, 24:56N:121:91E, h41km, MD2.6
ISCJB 05 03:46:27.4, 0.3, 24:59N:0.02:121:99E:0.02, h28km, 3km,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like TWC Suao, EGS, ENA Nanau, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like WHF, TWT Tachien, NSTT Nanjangu, etc.

ISK 05 04:01:47.9, 38:85N:43:64E, h17km, MD2.6
CSEM 05 04:01:48.2, 0.3, 38:91N:43:64E, h15km, MD2.3, Error

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like VMUR Van-Muradiye, ERVC, etc.

ISK 05 04:12:36.9, 38:76N:43:06E, h13km, MD2.4
CSEM 05 04:12:37.9, 0.2, 38:75N:43:04E, h10km, MD2.4, Error

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like VANB Van, TVAN, etc.

NIED 05 04:18:00.33:70N:134:90E, h62km, Mw3.9, Best double couple: M=9, 12000:1014 NP1:34.00000, S72.00000, ...

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like JAI Aioi, JWM Minabe, etc.

DDA 05 04:28:04.3, 38:68N:43:16E, h9km, MI3.2
ISK 05 04:28:05.0, 38:64N:43:15E, h5km, MD2.8

CSEM 05 04:28:06.1, 0.2, 38:67N:43:16E, h5km, MD2.8, Error

ISC 05 04:28:05.0-0.8, 38.66N:0.02:43.17E:0.02, h15km, 7km,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like VANB Van, TVAN, etc.

MEX 05 04:31:33.7, 0.7, 15:83N:93:88W, h85km, 16km, MD3.8, Near coast of Chiapas

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

GUC 05 04:39:01.9, 0.6, 21:57S:68:56W, h122km, 4km, ML3.9, SC-1D, Chile-Bolivia border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like PB09 IPOC Station P, etc.





Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GEVA, TUTA, AGRB, BASK, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like U37A, U37A, T36A, etc.

NEIC 05 06:43:47.6±0.0,52.79N,169.61W,h12km,ML3.5(AEIC),

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

ISCJB 05 07:12:44.6±0.4,35.57N,101.9673W,0.01,h9km,2km,

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

ISCJ 05 06:47:43.6±0.7,35.66N,104.14015E,0.07,h74km,5km,

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

Honshu

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

ISCJ 05 07:12:44.9±1.0,35.55N,102.9674W,0.02,h6km,6km,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like V35A, V35A, V35A, etc.

ANMO

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

ISK 05 06:59:41.9,38.60N,39.63E,h12km,ML2.9

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

TUL1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TUL1, TUL1, TUL1, etc.

TKL

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



5d 7h

Table with columns for station name, frequency, and other technical details. Includes stations like PDAR, KNSB, KMSC, etc.

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Table with columns for station name, frequency, and other technical details. Includes stations like BLMT, BRNJ, BSMT, etc.

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Table with columns for station name, frequency, and other technical details. Includes stations like TOLK, IMAR, CHGN, etc.



5d 7h

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Table with columns: Call Sign, Name, Frequency, Power, Mode, Date/Time, and other details. Includes entries like 138A Matatal Enter, 139A Junction City, 139A Junction City, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, Date/Time, and other details. Includes entries like AAM Ann Arbor, P37A Lathrop, O39A Kirksville, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, Date/Time, and other details. Includes entries like GLA Glamis, TIC OGNE Ogallala, TIC OGNE Ogallala, etc.

C39A	comp=Z,333nm,1.9s Grand Marais baz=161	73.14 346	P	P	07 25 23.9	-1.0
RWWY	comp=Z,54nm,1.1s Rawlins	73.25 332	eP	P	07 25 27.3	+1.3
SHOC	comp=Z,54nm,1.1s Shoshone, Teco baz=136	73.27 323	P	P	07 25 27.3	+0.3
DECC	comp=Z,135nm,1.0s Green Verdugo	73.28 320	P	P	07 25 27.5	+1.4
F31A	comp=Z,153nm,1.0s Hecla	73.49 340	P	P	07 25 26.8	-0.2
EDW2	comp=Z,135nm,1.0s Edwards Air Fo	73.52 321	P	P	07 25 28.5	+0.9
PAE	comp=Z,20nm,1.0s Paea	73.52 258	eP	P	07 25 29.1	+1.2
PPT2	comp=Z,136nm,1.2s Papeete2	73.54 258	eP	P	07 25 29.5	+1.4
PPT2	comp=Z,117nm,2.7s Papeete2	73.54 258	eLQ	LQ	07 44 53.5	
PPT2	comp=Z,29nm,28.2s Papeete2	73.54 258	eLR	LR	07 47 58.4	
PPT	comp=Z,91nm,1.0s, baz=71, slow=5.7, SNR=5.7 Papeete	73.57 345	PFAKE	P	07 25 29.5	+1.4
EYMN	comp=Z,708nm,20.0s Ely	73.61 319	P	P	07 25 28.9	+0.9
BLG	comp=Z,127nm,1.3s Laguna Peak, P	73.65 191	eP	P	07 25 29.5	+1.8
SBA	comp=Z,127nm,1.3s Scott Base	73.65 191	eP	P	07 25 29.4	+1.8
SBA	comp=Z,455nm,19.0s Scott Base	73.65 191	eP	P	07 25 29.4	+1.8
SBA	comp=Z,127nm,1.3s Scott Base	73.65 191	eP	P	07 25 29.4	+1.8
C36A	comp=Z,455nm,19.0s Pine Crest Far	73.71 344	P	P	07 25 28.2	-0.1
OSI	comp=Z,135nm,1.0s Osito Audit: C	73.76 320	P	P	07 25 30.1	+1.2
OSI	comp=Z,135nm,1.0s Osito Audit: C	73.76 320	eP	P	07 25 30.4	+1.4
LRMC	comp=Z,72nm,1.1s Laurel Mt Rd	73.77 321	P	P	07 25 30.1	+1.1
PSUT	comp=Z,66nm,1.0s Pine Spring	73.91 326	eP	P	07 25 31.1	+1.1
PSUT	comp=Z,66nm,1.0s Pine Spring	73.91 326	eP	P	07 25 31.1	+1.1
RSSD	comp=Z,21um,21.0s Black Hills	73.99 335	P	P	07 25 30.9	+0.6
FURC	comp=Z,148nm,1.0s Furnace Creek	74.01 323	P	P	07 25 31.5	+1.3
TPNV	comp=Z,137nm,1.1s Topopah Spring	74.02 323	P	P	07 25 31.5	+1.0
TPNV	comp=Z,137nm,1.1s Topopah Spring	74.02 323	eP	P	07 25 32.1	+1.6
TPNV	comp=Z,114nm,1.3s Topopah Spring	74.02 323	eP	P	07 25 32.1	+1.6
TPNV	comp=Z,114nm,1.3s Topopah Spring	74.02 323	eP	P	07 25 32.1	+1.6
MLMC	comp=Z,136nm,1.0s Manual Prospec	74.07 322	eP	P	07 25 31.8	+0.9
PNPV	comp=Z,178nm,1.4s North Lily Min	74.10 328	eP	P	07 25 32.6	+1.6
NLU	comp=Z,11um,22.0s Dogwood Acres	74.27 341	P	P	07 25 31.6	+0.1
DAC	comp=Z,91nm,1.3s Darwin (Calif)	74.28 322	eP	P	07 25 33.4	+1.3
DAC	comp=Z,91nm,1.3s Darwin (Calif)	74.28 322	eP	P	07 25 33.4	+1.3
ISA	comp=Z,42nm,0.9s Isabella, Lake	74.35 321	eP	P	07 25 32.5	+0.1
ISA	comp=Z,42nm,0.9s Isabella, Lake	74.35 321	eP	P	07 25 33.7	+1.3
ISA	comp=Z,42nm,0.9s Isabella, Lake	74.35 321	eP	P	07 25 33.7	+1.3
ISA	comp=Z,42nm,0.9s Isabella, Lake	74.35 321	eP	P	07 25 33.7	+1.3
C33A	comp=Z,42nm,0.9s Trail	74.48 343	P	P	07 25 32.4	-0.3
PKM	comp=Z,134nm,1.0s Mcherson Peak	74.60 320	P	P	07 25 35.1	+1.1
DUG	comp=Z,140nm,1.2s Dugway, Tooele	74.65 328	eP	P	07 25 35.2	+1.1
DUG	comp=Z,140nm,1.2s Dugway, Tooele	74.65 328	eP	P	07 25 34.8	+0.7
DUG	comp=Z,76nm,1.0s Dugway, Tooele	74.65 328	eP	P	07 25 34.8	+0.7
DUG	comp=Z,682nm,19.0s Dugway, Tooele	74.65 328	eP	P	07 25 34.8	+0.7
DUG	comp=Z,76nm,1.0s Dugway, Tooele	74.65 328	eP	P	07 25 34.8	+0.7
GRAC	comp=Z,682nm,19.0s Grapevine Rang	74.67 323	P	P	07 25 35.6	+1.5
CWC	comp=Z,136nm,1.0s Cottonwood Cre	74.67 322	P	P	07 25 35.3	+0.9
R11A	comp=Z,138nm,1.3s Troy Canyon, C	74.68 325	P	P	07 25 35.1	+0.7
R11A	comp=Z,138nm,1.3s Troy Canyon, C	74.68 325	eP	P	07 25 35.5	+1.1
VNDA	comp=Z,24nm,1.3s Vanda	74.68 190	P	P	07 25 34.1	+0.5
VNDA	comp=Z,26nm,1.0s, baz=130, slow=5.1, SNR=68 Vanda	74.68 190	eP	P	07 25 34.7	+1.0
VES	comp=Z,74nm,1.2s Vestal, Richgr	74.83 321	P	P	07 25 35.9	+0.9
AGMN	comp=Z,134nm,1.2s Agassiz Nation	75.00 343	P	P	07 25 35.2	-0.5
AGMN	comp=Z,44nm,0.8s Agassiz Nation	75.00 343	eP	P	07 25 34.1	-1.7
AGMN	comp=Z,95nm,20.0s Simms	75.00 320	P	P	07 25 37.7	+1.6
C31A	comp=Z,134nm,1.0s Landman Farms	75.07 341	P	P	07 25 36.2	0.0
HWUT	comp=Z,47nm,0.8s Hardware Ranch	75.14 329	eP	P	07 25 37.1	+0.2
HWUT	comp=Z,47nm,0.8s Hardware Ranch	75.14 329	eP	P	07 25 37.1	+0.2
BW06	comp=Z,21um,21.0s Boulder Array	75.14 331	P	P	07 25 38.1	+1.0
BW06	comp=Z,21um,21.0s Boulder Array	75.14 331	eP	P	07 25 37.1	+0.1
BW06	comp=Z,21um,21.0s Boulder Array	75.14 331	eP	P	07 25 37.1	+0.1
PD31	comp=Z,89nm,21.0s Pinedale Array	75.14 331	eP	P	07 25 37.6	+0.5
PDAR	comp=Z,9.4nm,0.6s, baz=132, slow=7.0, SNR=17 Pinedale Array	75.14 331	P	P	07 25 37.3	+0.3
PDAR	comp=Z,21nm,0.9s, baz=89, slow=12, SNR=9 Pinedale Array	75.14 331	eP	P	07 25 51.9	+1.5
PDAR	comp=Z,21nm,0.9s, baz=89, slow=12, SNR=9 Pinedale Array	75.14 331	eP	P	07 25 51.9	+1.5
SYO	comp=Z,0.4nm,0.8s, baz=356, slow=1.9, SNR=3.5 Syowa Base	75.15 159	iP	P	07 25 35.6	-0.8
SYO	comp=Z,0.4nm,0.8s, baz=356, slow=1.9, SNR=3.5 Syowa Base	75.15 159	eP	P	07 25 43.4	-5.2
SYO	comp=Z,0.4nm,0.8s, baz=356, slow=1.9, SNR=3.5 Syowa Base	75.15 159	iP	P	07 25 47.6	-2.2
TIN	comp=Z,74nm,1.1s Tinmahia, Big	75.19 322	P	P	07 25 38.7	+1.4
RCTC	comp=Z,21um,21.0s Reactor, Farmer	75.25 321	P	P	07 25 38.4	+1.0
B32A	comp=Z,143nm,1.0s Ashes, Strandq	75.27 342	P	P	07 25 36.9	-0.4
BGU	comp=Z,116nm,1.3s Big Grassy Mou	75.31 328	eP	P	07 25 39.0	+1.1
SPUT	comp=Z,135nm,1.1s South Promonto	75.33 329	eP	P	07 25 39.2	+1.2
PAGB	comp=Z,148nm,1.3s Antelope Grade	75.44 320	eP	P	07 25 40.1	+1.7
A33A	comp=Z,156nm,1.0s Warroad	75.46 343	P	P	07 25 38.8	+0.4
MDND	comp=Z,152nm,1.0s Maddock	75.69 340	P	P	07 25 40.5	+0.7
MDND	comp=Z,152nm,1.0s Maddock	75.69 340	eP	P	07 25 40.2	+0.5
MLAC	comp=Z,624nm,1.0s Mammoth, Mammo7	75.94 322	P	P	07 25 42.8	+1.1
REDW	comp=Z,125nm,1.0s Red Top Meadow	76.19 331	eP	P	07 25 43.6	+0.6
SNOW	comp=Z,125nm,1.0s Snow King Moun	76.23 331	eP	P	07 25 44.0	+0.8
ELK	comp=Z,16nm,1.0s, baz=183, slow=5.5, SNR=14 Elko	76.28 327	P	P	07 25 44.5	+1.0
ELK	comp=Z,16nm,1.0s, baz=183, slow=5.5, SNR=14 Elko	76.28 327	eP	P	07 25 57.8	+2.1

LOHW	comp=Z,18nm,0.9s, baz=204, slow=2.8, SNR=9.9 Long Hollow	76.28 331	eP	P	07 25 44.0	+0.5
TPAW	comp=Z,123nm,1.1s Teton Pass	76.34 331	eP	P	07 25 44.5	+0.7
MO3P	comp=Z,44nm,0.8s Moose Ponds	76.45 331	eP	P	07 25 45.4	+0.9
IMW	comp=Z,54nm,1.1s Indian Meadow	76.65 331	eP	P	07 25 46.1	+0.4
ULM	comp=Z,140nm,1.1s Lac du Bonnet	76.79 344	P	P	07 25 45.1	-0.8
ULM	comp=Z,29nm,0.7s, baz=191, slow=9.5, SNR=4.9 Lac du Bonnet	76.79 344	eP	P	07 25 45.1	-0.8
H17A	comp=Z,784nm,20.2s, baz=143, slow=37 Great Village	76.89 332	eP	P	07 25 48.3	+1.4
H17A	comp=Z,142nm,1.1s Grant Village	76.89 332	eP	P	07 25 48.9	+2.0
WAKR	comp=Z,66nm,1.2s Walker	76.89 323	eP	P	07 25 49.0	+1.9
RLMT	comp=Z,159nm,1.5s Red Lodge	76.91 333	P	P	07 25 47.9	+0.9
RLMT	comp=Z,159nm,1.5s Red Lodge	76.91 333	eP	P	07 25 47.9	+0.9
RLMT	comp=Z,159nm,1.5s Red Lodge	76.91 333	eP	P	07 25 47.9	+0.9
RLMT	comp=Z,159nm,1.5s Red Lodge	76.91 333	eP	P	07 25 47.9	+0.9
LKWW	comp=Z,117nm,1.0s Lake	76.95 332	eP	P	07 25 49.5	+2.2
LKWW	comp=Z,117nm,1.0s Lake	76.95 332	eP	P	07 25 49.5	+2.2
LKWW	comp=Z,117nm,1.0s Lake	76.95 332	eP	P	07 25 49.5	+2.2
LKWW	comp=Z,117nm,1.0s Lake	76.95 332	eP	P	07 25 49.5	+2.2
LAO	comp=Z,11um,21.0s LASA Array	76.98 336	P	P	07 25 47.3	+0.1
LAO	comp=Z,11um,21.0s LASA Array	76.98 336	PFAKE	LR	07 26 00.0	+13
YFT	comp=Z,481nm,20.0s Old Faithful	77.05 332	eP	P	07 25 48.8	+1.0
BMN	comp=Z,103nm,1.0s Battle Mountai	77.07 325	eP	P	07 25 48.8	+0.9
BMN	comp=Z,26nm,1.1s Battle Mountai	77.07 325	eP	P	07 25 48.8	+0.9
CMB	comp=Z,26nm,1.1s Columbia Colle	77.10 322	eP	P	07 25 48.5	+0.5
CMB	comp=Z,26nm,1.1s Columbia Colle	77.10 322	eP	P	07 25 48.5	+0.5
CMB	comp=Z,26nm,1.1s Columbia Colle	77.10 322	eP	P	07 25 48.5	+0.5
CMB	comp=Z,26nm,1.1s Columbia Colle	77.10 322	eP	P	07 25 48.5	+0.5
YERR	comp=Z,72nm,1.6s Yerington	77.12 323	eP	P	07 25 49.6	+1.3
YHH	comp=Z,11um,20.0s Holmes Hill	77.32 332	PFAKE	LR	07 26 00.0	+11
PNTR	comp=Z,1um,20.0s Pine Nut	77.39 323	eP	P	07 25 51.3	+1.4
YHB	comp=Z,81nm,1.0s Horse Butte	77.44 332	eP	P	07 25 51.8	+1.8
YHB	comp=Z,146nm,0.9s Horse Butte	77.44 332	eP	P	07 25 51.8	+1.8
PAHR	comp=Z,1um,19.0s Pah Rah Rang	77.71 323	eP	P	07 25 52.6	+1.1
DGMT	comp=Z,140nm,1.1s Dagmar	77.74 338	P	P	07 25 52.2	+0.9
DGMT	comp=Z,205nm,0.9s Dagmar	77.74 338	eP	P	07 25 52.3	+0.9
DGMT	comp=Z,205nm,0.9s Dagmar	77.74 338	eP	P	07 25 52.3	+0.9
DGMT	comp=Z,205nm,0.9s Dagmar	77.74 338	eP	P	07 25 52.3	+0.9
HLID	comp=Z,612nm,20.0s Hailey	77.99 329	P	P	07 25 54.3	+1.3
HLID	comp=Z,139nm,22s Hailey	77.99 329	eP	P	07 25 54.0	+1.0
HLID	comp=Z,153nm,1.1s Hailey	77.99 329	eP	P	07 25 54.0	+1.0
SCHO	comp=Z,1um,22.0s Schefferville	78.04 2	LR	LR	08 00 56.6	
AFDM	comp=Z,464nm,21.8s, baz=200, slow=36 Forsyth Hills D	78.06 332	P	P	07 25 54.0	+0.7
BOZ	comp=Z,191nm,1.8s Bozeman (W)	78.30 332	eP	P	07 25 55.1	+0.4
BOZ	comp=Z,191nm,1.8s Bozeman (W)	78.30 332	eP	P	07 25 55.2	+0.6
BOZ	comp=Z,88nm,1.1s Bozeman (W)	78.30 332	eP	P	07 25 55.2	+0.6
BOZ	comp=Z,88nm,1.1s Bozeman (W)	78.30 332	eP	P	07 25 55.2	+0.6
BOZ	comp=Z,1um,21.0s Bozeman (W)	78.30 332	eP	P	07 25 55.2	+0.6
BEKR	comp=Z,1um,21.0s Beckworth	78.36 323	eP	P	07 25 56.0	+0.9
DLMT	comp=Z,62nm,1.1s Dillon	78.54 331	eP	P	07 25 57.1	+1.2
MFID	comp=Z,160nm,1.1s Carnas Ranch	78.56 328	eP	P	07 25 56.7	+0.6
SUR						







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

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

ISK 05 07:54:59.9, 38.68N, 43.20E, h16km, MD2.4
ISCJB 05 07:55:01.3, 0.5, 38.69N, 0.03-43.16E, 0.04, h8km, 18km,
Error ellipse: s-maj=5.2km s-min=4.7km az=25.0

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

OMAN 05 07:45:43.8, 26.91N, 55.09E, h25km
TEH 05 07:45:43.8, 26.91N, 55.09E, h25km, ML3.5
ISCJB 05 07:45:44.0, 5.26, 99N, 0.03-55.01E, 0.05, h17km, Error
ellipse: s-maj=6.5km s-min=4.2km az=155.5

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

NIED 05 07:56:00.39, 60N, 143.50E, h20km, Mw4.5, Best double
couple: M6.66000, 1019, NP19, 154.00000, R23, 00000,
1.29, 00000, NP2, 37, 00000, 879, 00000, 1, 110, 00000,
ISCJB 05 07:56:48.3, 0.3, 39.68N, 0.03-143.37E, 0.04, h11km,
mb4.6/64, MS4.2/9, Error ellipse: s-maj=5.4km
s-min=3.0km az=35.8

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

JMA 05 07:56:49.2, 0.3, 39.63N, 143.52E, h37km, M4.4
MOS 05 07:56:52.9, 1.2, 39.75N, 143.20E, h42km, mb4.8/22, Error
ellipse: s-maj=9.0km s-min=6.0km az=101.7

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

NEIC 05 07:56:54.2, 0.7, 39.65N, 143.24E, h41km, mb4.8/28,
Error ellipse: s-maj=6.4km s-min=4.9km az=117.0
ISC 05 07:56:50.1, 0.5, 39.70N, 0.04-143.27E, 0.05, h11km, n198,
0.1568/220, mb4.7/68, MS4.2/9, 10C-2D, Off east coast of
Honshu

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

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

NEIC 05 07:47:28.2, 0.1, 6.22N, 98.01W, h4km, MD4.1 (MEX),
After MEX.
MEX 05 07:47:28.2, 0.1, 6.22N, 98.01W, h4km, 5km, MD4.1, Near





Table with columns: VLX, Vlachokerasia, 0.35 58 P, Pg, 08 25 24.8 -0.3, etc.

ISCB 05 08:30:42.7, 38.75N, 43.41E, h8km, MD2.6
ISCJB 05 08:30:43.6, 0.7, 38.73N, 0.03:43.49E, 0.06, h21km, 7km,
Error ellipse: s-maj=8.8km s-min=4.7km az=25.6

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

JMA 05 08:32:25.5, 35.25N, 137.38E, h48km, M2.8, 3C-2D
Broadband fault plane solution: P waves. NP1:
phi=159.000000, delta=62.000000, lambda=81.000000, NP2:
phi=319.000000, delta=829.000000, lambda=108.000000

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

ISC 05 08:33:56.7, 38.75N, 43.28E, h15km, MD2.6
CSEM 05 08:33:57.6, 0.5, 38.79N, 0.03:43.35E, h15km, MD2.6, Error
ellipse: s-maj=11.7km s-min=7.0km az=82.0

DDA 05 08:33:57.6, 38.76N, 43.37E, h16km, MD2.7
ISCJB 05 08:33:58.3, 0.9, 38.76N, 0.03:43.38E, 0.08, h17km, 7km,
Error ellipse: s-maj=10.6km s-min=5.5km az=11.8

ISC 05 08:33:58.8, 1.6, 38.75N, 0.03:43.48E, 0.10, h26km, 10km,
n24, c110/42, Turkey

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

SJA 05 08:41:41.3, 1.2, 22.53S, 68.83W, h156km, 9km, M2.8,
MW2.9
NEIC 05 08:41:43.4, 0.5, 21.96S, 68.51W, h116km, 6km, mb4.3/8,
Error ellipse: s-maj=13.1km s-min=7.1km az=95.0

IDC 05 08:41:43.4, 0.8, 22.00S, 68.43W, h14km, mb3.8/3,
mb1 3.6/6, mb1mx3.4/21, mbtmp3.9/6, Error ellipse:
s-maj=47.4km s-min=19.3km az=105.0

GUC 05 08:41:44.3, 0.6, 21.95S, 68.68W, h15km, 4km, M4.1
ISC 05 08:41:43.8, 0.7, 22.00S, 0.03:68.71W, 0.05, h124km, 6km,
n40, c119/59, mb4.4/8, 5C-3D, Chile-Bolivia border

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

Table with columns: PB09, IAML, 08 42 19.2, etc.

ISC 05 08:48:35.0, 0.3, 24.36N, 0.02:122.15E, 0.02, h31km, 2km,
Error ellipse: s-maj=3.2km s-min=2.3km az=161.1

JMA 05 08:48:34.1, 0.1, 24.28N, 122.09E, h56km, 2km, M2.5
TAP 05 08:48:34.8, 24.39N, 122.10E, h41km, M3.5, C
ISC 05 08:48:35.0, 0.9, 24.35N, 0.02:122.14E, 0.02, h32km, 8km,
n53, c1905/102, Taiwan region

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

ISC 05 08:48:35.0, 0.3, 24.36N, 0.02:122.15E, 0.02, h31km, 2km,
Error ellipse: s-maj=3.2km s-min=2.3km az=161.1

JMA 05 08:48:34.1, 0.1, 24.28N, 122.09E, h56km, 2km, M2.5
TAP 05 08:48:34.8, 24.39N, 122.10E, h41km, M3.5, C
ISC 05 08:48:35.0, 0.9, 24.35N, 0.02:122.14E, 0.02, h32km, 8km,
n53, c1905/102, Taiwan region

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

Table with columns: TWT, Tachien, 0.89 264 eS, Sb, 08 49 03.2 -0.5, etc.

IDC 05 08:53:06.8, 2.4, 35S, 152.56E, h150km, 55km, mb3.5/4,
mb1 3.6/5, mb1mx3.2/43, mbtmp3.5, Error ellipse:
s-maj=66.7km s-min=54.2km az=92.0, New Britain
region

ASRS 05 08:58:31.3, 0.9, 50.80N, 98.38E, h15km, M4.2/3
OBM 05 08:58:36.0, 1.1, 50.77N, 97.96E, h2km, M4.8/2, Error
ellipse: s-maj=2.5km s-min=1.1km az=173.0

ISCJB 05 08:58:38.4, 0.2, 50.63N, 0.03:98.12E, 0.03, h10km,
mb4.2/35, MS3.8/5, Error ellipse: s-maj=4.0km
s-min=2.6km az=10.1

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

MOS 05 08:58:38.5, 1.3, 50.51N, 98.05E, h16km, mb4.5/14, Error ellipse: s-maj=8.9km s-min=7.6km az=164.7
IDC 05 08:58:38.1, 0.5, 50.64N, 98.14E, h0km, mb4.1/19, mb1 4.1/26, mb1mx4.0/53, mbtmp4.0/26, ML3.47, MS3.8/2, Ms1 3.8/2, ms1mx3.0/42, Error ellipse: s-maj=14.8km s-min=7.1km az=179.0
BUJ 05 08:58:40.1, 50.78N, 97.89E, h10km, mb4.3/32, mb4.7/21, Ms4.6/24, Ms7.4/19
NNC 05 08:58:40.0, 3.4, 50.67N, 97.65E, h0km, mb4.0, mpv3.5, Error ellipse: s-maj=35.4km s-min=28.3km az=75.0
NEIC 05 08:58:40.7, 0.4, 50.64N, 98.12E, h10km, mb4.8/11, Error ellipse: s-maj=12.2km s-min=7.1km az=178.0
ISC 05 08:58:40.7, 0.3, 50.57N, 0.03, 98.12E, 0.03, h10km, n177, c2599/208, mb4.2/35, MS3.7/5, 22C-10D, Tuva-Buryatia-Mongolia border region

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

Table with columns: Station Name, Azimuth, Distance, Magnitude, Time, Res, ISC. Lists seismic events with station-specific data.

Table with columns: Station Name, Azimuth, Distance, Magnitude, Time, Res, ISC. Lists seismic events with station-specific data.

Table with columns: BRTR, Station Name, Azimuth, Elevation, Frequency, SNR, Azimuth, Elevation, Frequency, SNR, Azimuth, Elevation, Frequency, SNR. Includes stations like Keskin Array B, Keskin Array A, Keskin MP Arr, etc.

IDC 05 09:08:48.0.2.0.24.49S:174.83W h0km, mb4.1/8, mb1 4.3/9, mb1mx4.0/28, mbtmp4.1/9, ML3.7/1, MS3.9/4, Ms1 3.9/4, ms1mx3.4/27, Error ellipse: s-maj=7.6km s-min=27.3km az=155.0

ISC 05 09:08:49.4.1.2.251S:0.4741W:0.1, h35km, n13, e216/11, mb4.2/8, MS3.9/3, South of Tonga Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, Azimuth, Elevation, Frequency, SNR, Azimuth, Elevation, Frequency, SNR. Includes stations like RAR, RAR, RAR, etc.

ISC/JB 05 09:12:10.2.0.5, 35.54N:0.01-96.78W:0.02, h2km, 4km, Error ellipse: s-maj=2.7km s-min=2.2km az=9.2 NEIC 05 09:12:11.0.0.0, 35.53N:96.77W, h5km, ML3.3(TUL), After TUL

NEIC Felt [III] at Choctaw, Meeker and Shawnee. Felt in parts of central Oklahoma.

ISC 05 09:12:11.7.1.0, 35.53N:0.02-96.74W:0.02, h4km, 9km, n92, e092/123, Oklahoma

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, Azimuth, Elevation, Frequency, SNR, Azimuth, Elevation, Frequency, SNR. Includes stations like V35A, W35A, W36A, etc.

Table with columns: V37A, Station Name, Azimuth, Elevation, Frequency, SNR, Azimuth, Elevation, Frequency, SNR, Azimuth, Elevation, Frequency, SNR. Includes stations like Hulbert, T35A, X37A, etc.

Table with columns: JCT, Station Name, Azimuth, Elevation, Frequency, SNR, Azimuth, Elevation, Frequency, SNR, Azimuth, Elevation, Frequency, SNR. Includes stations like Junction City, Kaye Shedlock, etc.

ISC/JB 05 09:13:52.6.0.7, 38.69N:0.03-43.70E:0.06, h8km, 5km, Error ellipse: s-maj=8.4km s-min=4.4km az=26.4 CSEM 05 09:13:52.8.0.4, 38.71N:43.64E, h8km, ML2.9, Error ellipse: s-maj=10.7km s-min=6.2km az=107.0

ISK 05 09:13:52.2, 38.73N:43.57E, h14km, ML2.9 DDA 05 09:13:52.8, 38.70N:43.67E, h8km, ML2.8 ISC 05 09:13:52.8.1.0, 38.70N:0.02-43.63E:0.04, h15km, gkm, n41, e120/55, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, Azimuth, Elevation, Frequency, SNR, Azimuth, Elevation, Frequency, SNR. Includes stations like VANB, VANB, TVAN, etc.

SKHL 05 09:27:03.7.0.2, 42.42N:147.94E, h29km, 2km, mb4.0/2 JMA 05 09:27:03.9.0.2, 42.38N:147.92E, h58km, M3.7 ISC 05 09:27:03.8.3.4, 42.44N:0.1-148.0E:0.2, h37km, n15, e196/22, Off southeast coast of Hokkaido

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, Azimuth, Elevation, Frequency, SNR, Azimuth, Elevation, Frequency, SNR. Includes stations like SHO, SHO, SHO, etc.

NIED 05 09:56:00, 36.30N:141.00E, h26km, Mw3.8 Best double couple: Ms5.79000:1014.91N:248.00000:39.00000, 7.150.00000: NIP200.8.00000:866.00000: ISC/JB 05 09:56:52.2.0.9, 36.32N:141.03E:0.07, h38km, 8km, mb3.8/9, Error ellipse: s-maj=10.0km s-min=7.7km az=32.2

JMA 05 09:56:52.4.0.1, 36.33N:140.98E, h41km, 1km, M3.9 JMA Felt II J1

IDC 05 09:57:04.3.2.1, 35.95N:139.77E, h97km, 18km, mb3.5/9, mb1 3.6/10, mb1mx3.4/42, mbtmp3.8/10, MS2.9/2, Ms1 2.9/2, ms1mx2.6/26, Error ellipse: s-maj=28.1km s-min=1.7km az=72.0

ISC 05 09:56:51.9.1.1, 36.34N:0.05-141.03E:0.07, h20km, 7km, n21, e125/24, mb3.8/9, Near east coast of eastern

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, Azimuth, Elevation, Frequency, SNR, Azimuth, Elevation, Frequency, SNR. Includes stations like JHO, CHOU, JYT, etc.

5d 11h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MJAR, MAT, USRK, etc.

ISCJB 05 09:58:00.7, 0.4, 8.79N; 126.126; 29E; 0.04, h64km, 4km, mb4, 4/35, Error ellipse: s-maj=7.0km s-min=3.4km az=166.1

MAN 05 09:58:00.8, 8.79N; 126.18E, h18km, mb5.0, ML3.9, MS4.0, MAN INTENSITY II - BUENAVISTA AGUSAN DEL NORTE.

NEIC 05 09:58:02.1, 1.4, 8.94N; 126.26E, h90km, 13km, mb4.6/8, Error ellipse: s-maj=19.7km s-min=7.2km az=80.0

NEIC Feit (II PIVS) at Buenavista and Lianga. IDC 05 09:58:02.1-2.4, 8.85N; 126.24E, h57km, 21km, mb4.1/27, mb1.4/27, mb1mx4.1/24, mbmp4.4/27, MS3.4/11, Ms1.3.5/11, ms1mx3.2/31, Error ellipse: s-maj=19.7km s-min=9.9km az=79.0

DJA 05 09:58:08.2, 4.1, 8.18N; 132.6E, h10km, MS.0/11, mb4.8/11, mb5.6/3, MLV5.1/3, Mw(m)5.1/3

ISC 05 09:58:02.3-0.8, 8.76N; 103.126; 22E; 0.05, h60km, n92, 1/174/115, mb4.3/35, MS3.3/10, 6C-40, Mindanao

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists numerous stations like BIPH, BUTP, SCPH, etc.

2011 NOV

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like ASAJ, TAPN, ODAM, etc.

CSEM 05 10:30:30.5, 0.5, 38.54N; 43.20E, h5km, ML2.1, Error ellipse: s-maj=10.9km s-min=6.1km az=165.0

ISK 05 10:30:30.2, 38.58N; 43.21E, h7km, MD2.5, ISCJB 05 10:30:31.0, 7.8, 38.60N; 05.43, 19E; 0.05, h6km, 13km, Error ellipse: s-maj=8.1km s-min=5.7km az=152.2

DDA 05 10:30:33.0, 38.53N; 43.42E, h3km, MI.2, ISC 05 10:30:31.2, 1.0, 38.58N; 03.43; 21E; 0.03, h8km, 9km, n17, 0/996/28, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like VANB, YANB, TVAN, etc.

IDC 05 10:42:59.7, 1.0, 14.54S; 72.25W, h0km, mb3.6/3, mb1.4/8, mb1mx3.8/25, mbmp3.9/8, ML3.5/4, MS3.6/12, Ms1.3.6/12, ms1mx3.4/32, Error ellipse: s-maj=29.5km s-min=18.8km az=51.0

ISCJB 05 10:43:05.2, 0.7, 14.6S; 0.1, 72.45W; 0.09, h81km, mb3.5/3, Error ellipse: s-maj=17.3km s-min=7.8km az=34.8

ISC 05 10:43:07.8, 0.8, 14.6S; 0.1, 72.30W; 0.09, h81km, n19, c285/14, mb3.6/3, Central Peru

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like LPAZ.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like LPAZ, SAN, NNA, etc.

IDC 05 11:11:03.5, 2.4, 10.97N; 91.90E, h0km, mb3.4/5, mb1.3/5, mb1mx3.3/37, mbmp3.4/5, Error ellipse: s-maj=100.8km s-min=21.8km az=62.0, Andaman Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like H08S3, H08S2, etc.

ISCJB 05 11:15:38.0, 0.2, 9.527S; 0.1, 12.1E; 0.2, h10km, mb4.1/6, MS3.5/11, Error ellipse: s-maj=21.1km s-min=16.6km az=177.6

IDC 05 11:15:38.7, 0.8, 5.2; 63S; 12.27E, h0km, mb4.2/7, mb1.4/4.7, mb1mx4.0/25, mbmp4.2/7, MS3.5/11, Ms1.3.5/11, ms1mx3.4/24, Error ellipse: s-maj=35.8km s-min=20.7km az=68.0

ISC 05 11:15:40.1, 0.8, 5.2; 6S; 0.1, 12.3E; 0.2, h10km, n27, c084/16, mb4.2E, MS3.6/11, 2D, Southwest of Africa

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like SNA, VNA, SYO, etc.

IDC 05 11:23:17.8, 2.6, 2.1; 32S; 69.07W, h0km, mb3.9/1, mb1.9/2, mb1mx3.6/27, mbmp3.8/2, ML3.5/1, MS3.3/2, Ms1.3/2, ms1mx2.7/19, Error ellipse: s-maj=91.1km s-min=57.5km az=82.0

ISCJB 05 11:23:33.6, 0.9, 20.17S; 0.04; 69.4W; 0.1, h107km, 8km, mb3.5/1, Error ellipse: s-maj=17.3km s-min=6.4km az=175.9

GUC 05 11:23:34.1, 0.6, 20.17S; 69.35W, h96km, 3km, ML4.0

ISC 05 11:23:33.7, 1.0, 20.17S; 0.04; 69.4W; 0.1, h104km, 7km, n18, c089/18, 3C-40, Northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IPOC Station P, PSGC Misya, PB09 IPOC Station P, etc.

NEIC 05 11:24:15.0:0.0,35:53N:96:77W,h5km,ML3.4(TUL), After TUL

NEIC Felt [III] at Shawnee. Felt in parts of central Oklahoma. ISC 05 11:24:14.8:1.1,35:54N:0:02:96:78W:0:02,h3km:10km,n49,r1502/78,Oklahoma

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Meyer Ranch, W35A Tecumseh, W36A Wetumka, etc.

Table with columns: UALR, University of, Time, Res. Includes stations like ABTX Abilene, Hawle, CBKS Cedar Bluff, etc.

MEX 05 11:25:01.5:0.8,16:91N:99:24W,h9km:6km,MD3.6,Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TLIG Tlapa, CAIG El Cayaco, MEIG Mezcala, etc.

DJA 05 11:29:49.6:1.1,10:5'S:51:5E:1,h12km:7km,M3.77,MLv3.77,South of Bali

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IGBI Denpasar, DNP Denpasar, JAGI Jajag, etc.

ISK 05 11:37:58.7,38:69N:43:13E,h5km,MD2.5 DDA 05 11:37:59.8,38:70N:43:16E,h7km,MD2.8 CSEM 05 11:37:00.0:0.2,38:70N:43:14E,h2km,MD2.5,Error ellipse: s-maj=4.2km s-min=3.2km az=153.0

ISC 05 11:38:00.0:0.2,38:70N:0:03:43:13E:0:02,h7km:10km,n30,r0569/49,Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VANB Van, TVAN Van, GEVA Gevas, etc.

ISK 05 11:46:19.4,38:57N:43:12E,h5km,MD2.8 ISC/JB 05 11:46:20.7:0.4,38:65N:0:03:43:11E:0:03,h7km:6km, Error ellipse: s-maj=5.9km s-min=4.2km az=161.1

CSEM 05 11:46:20.6:0.2,38:64N:43:14E,h8km,MD2.8, Error ellipse: s-maj=6.5km s-min=4.6km az=159.0 DDA 05 11:46:20.9,38:65N:43:16E,h7km,MD2.8

ISC 05 11:46:20.9:1.0,38:63N:0:03:43:13E:0:02,h5km:10km,n34,r1503/51,Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VANB Van, TVAN Van, GEVA Gevas, etc.

Table with columns: SRTM Siirt\_Merkez, Time, Res. Includes stations like SRTM Siirt\_Merkez, VRTB Varto-Mus, etc.

ISC 05 11:50:38.9:1.9,12:93N:125:93E,h0km,mb3.4/4, mb1 3.5/4, mb1mx3.2/35, mbtmp3.4/4, Error ellipse: s-maj=180.3km s-min=20.9km az=69.0

ISC/JB 05 11:50:42.9:1.0,13:05N:0:05:125:92E:0:07,h40km, mb3.4/4, Error ellipse: s-maj=10.6km s-min=7.3km

MAN 05 11:50:42.13:10N:125:86E,h26km,mb4.7,ML3.6,MS3.6 ISC 05 11:50:44.6:1.2,13:07N:0:07:125:8E:0:1,h40km,n11,r193/16,mb3.4/4,2C,Philippine Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CNP Catarman, BESP Borongan, PVCP Virac, etc.

MEX 05 12:04:08.7:0.6,16:79N:100:15W,h2km:3km,MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ACP2 Acapulco, CAIG El Cayaco, ACX Acapulco, etc.

JMA 05 12:09:27.9:0.8,21:61N:121:38E,h34km,M3.5,Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JYNG Yonagunijimaku, HATJ Hateruma jima, IRIH Iriomote-Funau, etc.

ISC 05 12:09:38.1:0.5,4:56S:139:15E,h0km,mb4.5/15, mb1 4.6/19, mb1mx4.6/25, mbtmp4.6/19,ML2.2/1,MS3.1/4, Ms1 3.1/4, ms1mx2.8/30, Error ellipse: s-maj=21.2km s-min=11.8km az=74.0

BUI 05 12:09:41.2,4:71S:139:22E,h44km,mb4.8/42,mb4.9/25, MS4.7/11,MS7.4/39

ISC/JB 05 12:09:42.0:0.2,4:68S:0:02:139:13E:0:03,h44km, mb4.7/46,MS3.8/4, Error ellipse: s-maj=4.5km s-min=3.3km az=2.4

NEIC 05 12:09:43.5:0.8,4:60S:139:12E,h38km:8km,mb4.8/16, Error ellipse: s-maj=7.1km s-min=5.0km az=50.0

DJA 05 12:09:45.0:0.6,5:2:13:9E,h32km:6km,ML4.9/24, mb4.8/24,MB5.4/7,MLV5.0/6,MW(m)B4.8/7

ISC 05 12:09:49.0:3,4:66S:0:04:139:18E:0:04,h44km,n150,r188/167,mb4.7/46,MS3.8/4,Irian Jaya

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



DJA 05 12:39:53.3±1.2, 1°N, 3°10'0E, h10km, M4.2/6, MLv4.2/6  
 ISCJB 05 12:39:58.4±1.0, 0.21N, 0.09:96°74E, 0.07, h10km,  
 mb3.9/7, MS3.4/1, Error ellipse: s-maj=14.0km  
 s-min=8.2km az=33.3  
 IDC 05 12:39:58.9±3.9, 0.16N, 96°55E, h0km, mb3.9/7, mb1 3.9/8,  
 mb1mx3.7/51, mbmp3.8/8, MS3.0/2, Ms1 3.1/2,  
 ms1mx2.6/33, Error ellipse: s-maj=88.0km s-min=43.6km  
 az=157.0

ISC 05 12:40:00.2±1.1, 0.2N, 0.1°96.9E, 0.1, h10km, n16,  
 #157/13, mb4.0/7, Off west coast of northern Sumatra

Code	Station Name	A°	AZ°	Phase ID	ISC	Time	Res
					h	m	s
PBSI	Pulau Batu	1.45	100	Op	Pn	12 40 23.8	-2.7
PBSI				S	Pn	12 40 47.4	+1.8
SNSI	Sinabang, Aceh	2.25	346	P	Pg	12 40 49.0	+5.7
TPFI		3.05	6	P	Pn	12 40 45.1	-3.4
TPFI				S	Pn	12 41 24.8	-0.2
MLSI	Meulaboh, Aceh	4.05	354	P	Pn	12 41 02.0	-0.4
LHMI	Lhok Sumawe	4.99	1	P	Pn	12 41 07.7	-7.5
CMAR	Chiang Mai Arr	18.25	6	P	P	12 44 16.7	+2.8
	baz=191,slow=11,SNR=50						
CMAR				LR	LR	12 52 41.3	
	comp=Z,22nm,20.5s,baz=170,slow=42						
H08S2	Diego Garcia H	25.52	252	T	T	13 12 20.9	
	baz=72,slow=75,SNR=487						
H08S3	Diego Garcia H	25.52	252	T	T	13 12 25.8	
	baz=72,slow=75,SNR=59						
H08S1	Diego Garcia H	25.53	252	T	T	13 12 26.9	
	baz=72,slow=75,SNR=398						
KSRS	Korea Array	46.85	34	P	P	12 48 32.3	+1.7
	1.0nm,0.6s,baz=228,slow=9.0,SNR=3.8						
KSRS				LR	LR	13 09 37.6	
	comp=Z,35nm,18.2s,baz=126,slow=38						
MKAR	Makanchi Array	48.12	347	P	P	12 48 40.3	0.0
	1.5nm,0.6s,baz=163,slow=9.0,SNR=11						
ZALV	Zalozovo Beam	54.48	351	P	P	12 49 27.6	-0.3
	1.0nm,0.6s,baz=184,slow=5.9,SNR=4.8						
BVAR	Borovoye Array	57.07	341	P	P	12 49 45.2	-1.3
	0.4nm,0.5s,baz=125,slow=9.0,SNR=3.0						
BRTR	Reskin Array B	69.52	313	P	P	12 51 09.8	+0.2
	0.5nm,0.6s,baz=112,slow=6.1,SNR=3.8						
AKASG	Malin Array Be	78.53	323	P	P	12 51 46.3	-0.3
	0.2nm,0.3s,baz=90,slow=4.8,SNR=3.7						
ARCES	ARCES Array B	83.34	340	P	P	12 52 27.2	+0.1
	3.0nm,0.9s,baz=87,slow=5.3,SNR=3.3						

ISCJB 05 12:40:48.0±5.35, 16°N, 0.04°23.42E, 0.06, h7km, 5km,  
 mb3.4/5, Error ellipse: s-maj=9.3km s-min=4.5km  
 az=138.5

IDC 05 12:40:49.4±5.35, 33°N, 23°34E, h35km, 52km, mb3.6/5,  
 mb1 3.6/8, mb1mx3.3/38, mbmp3.6/8, ML4.1/2, MS2.5/1,  
 ms1 2.6/1, ms1mx2.0/47, Error ellipse: s-maj=44.8km  
 s-min=24.7km az=103.0

ATH 05 12:40:42.2±35.28N, 23°36E, h41km, 1km, ML3.9, Error  
 ellipse: s-maj=2.2km s-min=0.7km az=49.0

CSEM 05 12:40:42.8±0.3, 35°24N, 23°38E, h30km, 1.2km, 6.9, Error  
 ellipse: s-maj=9.6km s-min=4.2km az=37.0

THE 05 12:40:42.6±35.23N, 23°32E, h24km, 1km, ML3.7/5, Error  
 ellipse: s-maj=1.7km s-min=0.7km az=43.0

HLW 05 12:40:44.4±35.11N, 23°84E, h19km, 12km, ML3.6,  
 ISC 05 12:40:41.5±0.9, 35°20N, 0.05°23.37E, 0.05, h50km, 10km,  
 #117, #197/132, mb3.5/5, Crete

Code	Station Name	A°	AZ°	Phase ID	ISC	Time	Res
					h	m	s
IMMV	Iera Moni Meta	0.56	62	Op	Pn	12 40 53.7	+0.1
IMMV				S	Pn	12 41 03.2	+0.9
IMMV				AML	AML	12 41 06.6	
	comp=E,2360um,0.4s						
IMMV				AML	AML	12 41 08.3	
	comp=N,23514um,0.4s						
IMMV	Iera Moni Meta	0.56	62	P	Pn	12 40 53.8	+0.2
IMMV				S	Pn	12 41 02.4	+0.2
IMMV				P	Pn	12 40 53.9	+0.2
IMMV				S	Pn	12 41 02.4	+0.2
ANKY	Antikythira Is	0.67	355	P	Pn	12 40 55.2	+0.3
ANKY				S	Pn	12 41 03.5	-1.0
ANKY				AML	AML	12 41 06.4	
	comp=N,5942um,0.4s						
ANKY				AML	AML	12 41 08.3	
	comp=E,6219um,0.8s						
ANKY	Antikythira Is	0.67	355	P	Pn	12 40 54.9	0.0
ANKY				S	Pn	12 41 03.5	-1.0
ANKY				S	Pn	12 40 54.9	0.0
ANKY				S	Pn	12 41 04.2	-0.3
AND	Gavdhos	0.69	121	P	Pn	12 40 56.4	+1.3
GVD				S	Pn	12 41 07.7	+2.7
GVD				AML	AML	12 41 11.8	
	comp=N,33567um,0.4s						
GVD				AML	AML	12 41 12.2	
	comp=E,2990um,0.4s						
GVD	Gavdhos	0.69	121	P	Pn	12 40 56.4	+1.3
GVD				S	Pn	12 41 06.9	+1.9
GVD				P	Pn	12 40 56.5	+1.3
GVD				S	Pn	12 40 56.7	+1.2
VAM	Vamos	0.71	73	P	Pn	12 40 56.5	+1.1
VAM				S	Pn	12 41 08.2	+2.8
VAM				AML	AML	12 41 10.3	
	comp=E,16270um,0.9s						
VAM				AML	AML	12 41 10.5	
	comp=N,22030um,0.7s						
VAM	Vamos	0.71	73	P	Pn	12 40 56.5	+1.1
VAM				S	Pn	12 41 07.7	+2.2
VAM				S	Pn	12 40 56.3	+0.9
VAM				S	Pn	12 41 07.7	+2.2
KYTH	Kythira	1.09	346	P	Pn	12 41 02.0	+1.5
KYTH				S	Pn	12 41 14.4	-0.3
KYTH				AML	AML	12 41 22.5	
	comp=E,2668um,0.5s						
KYTH				AML	AML	12 41 23.1	
	comp=N,3613um,0.4s						
SIVA	Sivas	1.19	98	P	Pn	12 41 04.0	+2.1
SIVA				AML	AML	12 41 35.1	
	comp=E,8361um,0.6s						
SIVA				AML	AML	12 41 37.8	
	comp=N,6056um,0.6s						
SIVA	Sivas	1.19	98	P	Pn	12 41 04.0	+2.1
SIVA	Anoyia	1.25	86	Pg	Pn	12 41 04.5	+1.8
	comp=N,52nm,0.3s,baz=266,slow=14,SNR=20.1						
IDI				Lg	Lg	12 41 23.0	
	comp=N,63nm,0.3s,baz=5.0,slow=23,SNR=10.0						
IDI				LR	LR	12 41 51.4	
	comp=N,72nm,20.0s,baz=244,slow=55						
IDI	Anoyia	1.25	86	P	Pn	12 41 04.6	+2.0
IDI	Anoyia	1.25	86	P	Pn	12 41 04.1	+1.4
IDI	Anoyia	1.25	86	P	Pn	12 41 21.1	+2.7
IDI	Anoyia	1.25	86	P	Pn	12 41 04.1	+1.4
IDI	Anoyia	1.25	86	P	Pn	12 41 21.1	+2.7
VLI	Veliai	1.56	347	P	Pn	12 41 08.4	+1.6
VLI				AML	AML	12 41 35.8	
	comp=N,1167um,0.6s						
VLI				AML	AML	12 41 37.0	
	comp=E,1239um,0.5s						
VLI	Veliai	1.56	347	P	Pn	12 41 08.4	+1.6
VLI	Veliai	1.56	347	P	Pn	12 41 07.7	+0.9
MHLO	Agia Marina, M	1.71	29	P	Pn	12 41 09.1	+0.3
MHLO	Agia Marina, M	1.71	29	P	Pn	12 41 09.1	+0.3
LAST	Lasithi	1.73	91	P	Pn	12 41 12.3	+3.1
LAST	Lasithi	1.73	91	P	Pn	12 41 10.1	+1.8
LAST	Lasithi	1.73	91	P	Pn	12 41 14.2	+1.2
MHLA	Plaka, Milos I	1.76	29	P	Pn	12 41 09.7	+0.1
MHLA				AML	AML	12 41 46.8	
	comp=N,3861um,0.8s						
MHLA				AML	AML	12 41 48.6	
	comp=E,4559um,0.8s						
MHLA	Plaka, Milos I	1.76	29	P	Pn	12 41 09.7	+0.1
NPS	Neapolis	1.84	87	P	Pn	12 41 13.3	+2.7
NPS				AML	AML	12 41 46.7	
	comp=E,1137um,0.6s						
NPS				AML	AML	12 41 48.4	
	comp=N,1072um,0.8s						
NPS	Neapolis	1.84	87	P	Pn	12 41 13.3	+2.7
NPS	Neapolis	1.84	87	P	Pn	12 41 12.6	+1.9
THR3	Thira Island,	2.01	54	P	Pn	12 41 14.2	+1.2
THR3	Thira Island,	2.01	54	P	Pn	12 41 13.8	+0.7
THR3	Thira Island,	2.02	52	P	Pn	12 41 14.2	+1.2
THR3	Thira Island,	2.02	52	P	Pn	12 41 13.8	+0.7
SANT	Santorini	2.06	55	P	Pn	12 41 14.2	+0.4
SANT	Santorini	2.06	55	P	Pn	12 41 14.2	+0.4

Code	Station Name	A°	AZ°	Phase ID	ISC	Time	Res
					h	m	s
CMBO	Columbo, Santo	2.08	52	P	Pn	12 41 14.3	+0.3
CMBO	Columbo, Santo	2.08	52	P	Pn	12 41 14.3	+0.3
PYL	PYLLOS	2.15	323	P	Pn	12 41 15.2	+0.3
PYL	PYLLOS	2.15	323	P	Pn	12 41 15.2	+0.3
SERI	Serifos	2.15	24	P	Pn	12 41 15.9	+0.9
SERI	Serifos	2.15	24	P	Pn	12 41 15.9	+0.9
ITM	Ithomi	2.29	330	P	Pn	12 41 17.9	+1.0
ITM	Ithomi	2.29	330	P	Pn	12 41 17.9	+1.0
DID	Didima	2.30	357	P	Pn	12 41 19.4	+2.4
DID	Didima	2.30	357	P	Pn	12 41 19.4	+2.4
DID	Didima	2.30	357	P	Pn	12 41 17.9	+0.8
DID	Didima	2.30	357	P	Pn	12 41 17.9	+0.8
VLX	Vlachokerasia	2.31	340	P	Pn	12 41 20.0	+2.8
VLX	Vlachokerasia	2.31	340	P	Pn	12 41 20.0	+2.8
ZKR	Zakros	2.33	91	P	Pn	12 41 20.1	+2.7
ZKR	Zakros	2.33	91	P	Pn	12 41 20.1	+2.7
VLY	Voula, Athens	2.67	7	P	Pn	12 41 23.2	+1.2
VLY	Voula, Athens	2.67					



5d 13h

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like PCAS Casimil, PMRV Marv??o, and many others.

2011 NOV

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like ECAL Calabor, ESDC Sonseca Array, and many others.

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Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like VANB Van, TVAN Van, and many others.

TRN 05 12:48:01.6, 11.13N:62:07W, h27km, MD3.6, 3C-1D, Windward Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Lists stations like TRN Trinidad (W), TRP Pointe-a-Pierre, etc.

ISC 05 12:56:41.4, 38.74N:43.29E, h12km, ML2.8

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Lists stations like VANB Van, YANB Van, etc.

ISC/JB 05 13:02:04.7, 0.8, 38.58N:0.04:43.21E, h31km, 6km, Error ellipse: s-maj=7.8km s-min=4.9km az=151.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Lists stations like VANB Van, TVAN Van, etc.

DDA 05 13:06:50.8, 38.87N:43.65E, h7km, ML2.7

ISC/JB 05 13:06:50.2, 38.91N:43.54E, h5km, MD2.4

ISC/JB 05 13:06:51.9, 0.8, 38.92N:0.03:43.59E, h1km, 4.0, Error ellipse: s-maj=9.0km s-min=5.1km az=14.4

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Lists stations like VMUR Van-Muradiye, VANB Van, etc.

NEIC 05 13:42:26.0, 0.0, 35.53N:96.77W, h5km, ML3.2(TUL), After TUL

NEIC Felt [V] at Prague, [IV] at Meeker and [III] at Shawnee. Felt in parts of central Oklahoma.

ISC 05 13:42:25.4, 1.1, 35.53N:0.02:96.76W, h4km, 9km, n63, 088/99, Oklahoma

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Lists stations like V35A Meyer Ranch, W35A Tecumseh, etc.



5d 14h

W36A	Jenks	0.74	70	eSg	Sg	14 36 50.2 +0.8
V36A	Jenks	0.74	70	ePg	Pg	14 36 43.9 -0.1
V36A	Jenks	0.84	3	P	Pg	14 36 53.7 +0.1
U35A	Pawnee	0.84	3	P	Pg	14 36 43.8 -0.1
U35A	Pawnee	0.84	3	eSg	Sg	14 36 45.8 -0.1
U35A	Pawnee	0.84	3	ePg	Pg	14 36 57.6 +0.7
TUL1	Leonard	0.90	65	ePg	Pg	14 36 45.7 -0.1
TUL1	Leonard	0.90	65	P	Pg	14 36 46.7 -0.3
TUL1	Leonard	0.90	65	ePg	Pg	14 36 59.0 +0.2
X36A	Centrahoma	1.02	159	P	Pg	14 36 46.8 -0.3
X36A	Drake	1.14	187	P	Pb	14 36 58.8 0.0
X35A	Drake	1.14	187	ePg	Pg	14 36 49.0 -0.4
W37B	Quinton	1.18	109	eSg	Sg	14 37 02.8 +0.1
W37B	Quinton	1.18	109	Pb	Pb	14 36 50.7 -0.8
U36A	Hubbert	1.39	75	P	Pb	14 36 50.7 -0.8
V37A	Hubbert	1.39	75	P	Pb	14 36 50.7 -0.8
T35A	Sooner Cattle	1.40	9	P	Pn	14 36 50.7 -0.8
T35A	Sooner Cattle	1.40	9	P	Pn	14 36 55.3 -0.2
X37A	Clayton	1.50	128	P	Pb	14 37 14.8 -0.1
X37A	Clayton	1.50	128	P	Pb	14 37 18.0 +0.1
X37A	Clayton	1.50	128	ePn	Pn	14 37 18.0 +0.1
T34A	McClaskey Farm	1.52	348	P	Pb	14 36 57.4 -0.2
T34A	McClaskey Farm	1.52	348	P	Pb	14 36 57.4 -0.2
U37A	Salina	1.62	57	P	Pn	14 36 57.5 -0.2
U37A	Salina	1.62	57	P	Pn	14 37 12.0 +0.4
Y35A	Marietta	1.63	187	P	Pb	14 36 57.7 +0.5
Y35A	Marietta	1.63	187	P	Pb	14 37 18.7 -0.1
Y36A	Durant	1.68	165	P	Pb	14 36 58.8 +0.4
Y36A	Durant	1.68	165	P	Pb	14 37 21.3 -0.5
T36A	Boggs Farm, Ca	1.70	26	P	Pn	14 36 59.5 -0.4
T36A	Boggs Farm, Ca	1.70	26	P	Pn	14 37 22.6 +0.4
W38A	Wichita Mounta	1.81	245	P	Pb	14 36 60.0 +0.7
W38A	Wichita Mounta	1.81	245	P	Pb	14 37 23.0 -0.4
W38A	Wichita Mounta	1.81	245	ePn	Pn	14 37 00.3 +0.8
W38A	Wichita Mounta	1.81	245	eSg	Sg	14 37 00.3 +0.8
W38A	Wichita Mounta	1.81	245	ePn	Pn	14 37 23.8 -0.5
W38A	Wichita Mounta	1.81	245	eSg	Sg	14 37 01.9 +0.8
W38A	Wichita Mounta	1.81	245	eSg	Sg	14 37 26.3 +0.5
W38A	Wichita Mounta	1.81	245	eSg	Sg	14 37 01.9 +0.8
W38A	Wichita Mounta	1.81	245	eSg	Sg	14 37 25.0 +0.9
W38A	Wichita Mounta	1.81	245	eSg	Sg	14 37 26.0 +0.3
W38A	Wichita Mounta	1.81	245	eSg	Sg	14 37 02.9 -0.3
Y37A	Hugo	1.82	148	P	Pb	14 37 28.1 -0.3
Y37A	Hugo	1.82	148	P	Pb	14 37 28.1 -0.3
X38A	Whitesboro	1.83	117	P	Pb	14 37 02.6 -0.7
X38A	Whitesboro	1.83	117	P	Pb	14 37 27.8 -0.6
W38A	Poteau	1.92	103	P	Pb	14 37 03.9 -1.0
W38A	Poteau	1.92	103	P	Pb	14 37 03.9 -1.0
V38A	Canehill	1.97	80	P	Pn	14 37 04.3 +1.0
V38A	Canehill	1.97	80	P	Pn	14 37 31.6 +1.1
U32A	Winter Ranch,	1.98	296	P	Pn	14 37 04.6 +1.2
U32A	Winter Ranch,	1.98	296	P	Pn	14 37 32.6 -0.7
U38A	Gravette	2.15	64	P	Pn	14 37 07.1 +1.3
U38A	Gravette	2.15	64	P	Pn	14 37 37.0 +1.3
S34A	Willow Spring	2.18	353	P	Pn	14 37 07.2 +1.0
S34A	Willow Spring	2.18	353	P	Pn	14 37 38.4 -1.5
S35A	Otter Creek Ra	2.18	10	P	Pn	14 37 07.5 +1.3
S35A	Otter Creek Ra	2.18	10	P	Pn	14 37 38.3 +1.8
T37A	Cheneyville 18	2.20	43	P	Pn	14 37 07.4 +1.0
T37A	Cheneyville 18	2.20	43	P	Pn	14 37 38.5 +1.6
Z36A	Blue Ridge	2.22	172	P	Pn	14 37 08.8 +1.4
Z36A	Blue Ridge	2.22	172	P	Pn	14 37 08.8 +1.4
Y38A	Idabel	2.33	133	P	Pn	14 37 09.3 +1.1
Y38A	Idabel	2.33	133	P	Pn	14 37 42.3 +1.5
S36A	Lake Cedric, C	2.39	23	P	Pn	14 37 10.2 +1.1
S36A	Lake Cedric, C	2.39	23	P	Pn	14 37 44.4 +1.8
X39A	Mountain Ranch	2.42	114	P	Pn	14 37 10.9 +1.4
X39A	Mountain Ranch	2.42	114	P	Pn	14 37 10.9 +1.2
HHAR	Hobbs	2.44	71	ePn	Pn	14 37 11.2 +0.9
W39A	Magazine	2.48	97	P	Pn	14 37 42.7 +2.0
W39A	Magazine	2.48	97	P	Pn	14 37 42.7 +2.0
T38A	Diamond	2.52	53	P	Pn	14 37 12.3 +1.5
T38A	Diamond	2.52	53	P	Pn	14 37 47.1 +0.9
Z37A	Pogue Cattle C	2.52	157	P	Pn	14 37 12.0 +1.2
Z37A	Pogue Cattle C	2.52	157	P	Pn	14 37 12.5 +0.8
V39A	Pettigrew	2.58	82	P	Pn	14 37 53.9 +2.1
V39A	Pettigrew	2.58	82	P	Pn	14 37 53.9 +2.1
Z38A	Mt. Pleasant	2.71	146	Sb	Sb	14 37 15.6 +1.8
Z38A	Mt. Pleasant	2.71	146	Sb	Sb	14 37 53.8 +1.5
S37A	Fort Scott	2.73	35	P	Pn	14 37 15.4 +1.7
S37A	Fort Scott	2.73	35	P	Pn	14 37 15.4 +1.7
S37A	Fort Scott	2.73	35	P	Pn	14 37 15.6 +1.8
S37A	Fort Scott	2.73	35	P	Pn	14 37 53.8 +1.5
S37A	Fort Scott	2.73	35	P	Pn	14 37 15.4 +1.7
R34A	Isabella, Hill	2.79	353	P	Pn	14 37 15.6 +1.0
R34A	Isabella, Hill	2.79	353	P	Pn	14 37 15.6 +1.0
MIAR	Mount Ida	2.82	109	P	Pn	14 37 16.2 +1.3
MIAR	Mount Ida	2.82	109	P	Pn	14 37 16.2 +1.3
MIAR	Mount Ida	2.82	109	ePn	Pn	14 37 16.2 +1.3
MIAR	Mount Ida	2.82	109	ePn	Pn	14 37 47.9 -1.1
U39A	Green Forest	2.82	71	P	Pn	14 37 15.8 +0.8
U39A	Green Forest	2.82	71	P	Pn	14 37 16.3 +1.2
R35A	Emporia	2.83	10	P	Pn	14 37 16.3 +1.2
R35A	Emporia	2.83	10	P	Pn	14 37 16.3 +1.2
R36A	Gordon, Harris	2.97	20	P	Pn	14 37 18.0 +0.9
R36A	Gordon, Harris	2.97	20	P	Pn	14 37 18.0 +0.9
W40A	Ferguson Farm,	3.06	95	P	Pn	14 37 19.7 +1.4
W40A	Ferguson Farm,	3.06	95	P	Pn	14 37 19.7 +1.4
W40A	Ferguson Farm,	3.06	95	ePn	Pn	14 37 19.4 +1.1
W40A	Ferguson Farm,	3.06	95	ePn	Pn	14 37 20.4 +1.2
T39A	Cleave	3.14	61	P	Pn	14 37 20.6 +1.3
T39A	Cleave	3.14	61	P	Pn	14 37 20.6 +1.3
138A	Matallat Enter	3.19	153	P	Pn	14 37 20.8 +0.7
138A	Matallat Enter	3.19	153	P	Pn	14 37 20.8 +0.7
R37A	Teagarden Farm	3.19	29	P	Pn	14 37 21.1 +1.0
R37A	Teagarden Farm	3.19	29	P	Pn	14 37 21.1 +1.0
V40A	Witz Springs	3.25	84	P	Pn	14 37 21.8 +0.9
V40A	Witz Springs	3.25	84	P	Pn	14 37 21.8 +0.9

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Y40A	Okolona	3.27	117	P	Pn	14 37 22.0 +0.9
Y40A	Okolona	3.27	117	P	Pn	14 37 22.0 +0.9
U40A	Yellville	3.30	74	P	Pn	14 37 22.4 +0.9
U40A	Yellville	3.30	74	P	Pn	14 37 22.4 +0.9
Q35A	Mercer Eighty,	3.38	10	P	Pn	14 37 23.7 +1.1
Q35A	Mercer Eighty,	3.38	10	P	Pn	14 37 23.7 +1.1
Q34A	Chapman	3.39	358	P	Pn	14 37 23.8 +1.1
Q34A	Chapman	3.39	358	P	Pn	14 37 23.8 +1.1
X40A	Basin Creek Fa	3.41	107	P	Pn	14 37 24.0 +1.0
X40A	Basin Creek Fa	3.41	107	P	Pn	14 37 24.0 +1.0
139A	Bunkhouse Ranc	3.47	144	P	Pn	14 37 24.6 +0.8
139A	Bunkhouse Ranc	3.47	144	P	Pn	14 37 24.6 +0.8
R38A	Fenwick Farm,	3.52	40	P	Pn	14 37 25.7 +1.1
R38A	Fenwick Farm,	3.52	40	P	Pn	14 37 25.7 +1.1
S39A	Bolivar	3.53	51	P	Pn	14 37 25.9 +1.2
S39A	Bolivar	3.53	51	P	Pn	14 37 25.9 +1.2
W41B	White Oak Lake	3.55	120	ePn	Pn	14 37 26.0 +1.1
W41B	White Oak Lake	3.55	120	ePn	Pn	14 37 25.9 +0.6
KSU1	Kansas State U	3.57	2	ePn	Pn	14 37 25.8 +0.6
KSU1	Kansas State U	3.57	2	ePn	Pn	14 37 25.8 +0.6
WHTX	Lake Whitney,	3.57	189	P	Pn	14 37 26.5 +1.3
WHTX	Lake Whitney,	3.57	189	P	Pn	14 37 26.5 +1.3
WHTX	Lake Whitney,	3.57	189	eSg	Sg	14 37 26.2 +1.0
WHTX	Lake Whitney,	3.57	189	eSg	Sg	14 37 26.2 +1.0
Q36A	Arnold C. Orve	3.59	17	P	Pn	14 37 26.6 +1.1
Q36A	Arnold C. Orve	3.59	17	P	Pn	14 37 26.6 +1.1
Z40A	White Farm, Mag	3.61	128	P	Pn	14 37 27.7 +0.9
Z40A	White Farm, Mag	3.61	128	P	Pn	14 37 27.7 +0.9
WHAR	Woolly Hollow	3.69	92	ePn	Pn	14 37 27.2 +0.4
WHAR	Woolly Hollow	3.69	92	ePn	Pn	14 37 27.2 +0.4
JALR	University of	3.73	100	ePn	Pn	14 37 29.0 +1.6
JALR	University of	3.73	100	ePn	Pn	14 37 29.0 +1.6
W41B	Gary Mervin, V	3.73	94	P	Pn	14 37 28.5 +1.0
W41B	Gary Mervin, V	3.73	94	P	Pn	14 37 28.5 +1.0
ABTX	Ablene, Hawle	3.74	220	ePn	Pn	14 37 28.4 +0.8
ABTX	Ablene, Hawle	3.74	220	ePn	Pn	14 37 11.5 -0.3
V41A	Mountainview	3.79	85	P	Pn	14 37 28.9 +0.6
V41A	Mountainview	3.79	85	P	Pn	14 37 28.9 +0.6
T40A	Mansfield	3.81	64	P	Pn	14 37 29.8 +1.2
T40A	Mansfield	3.81	64	P	Pn	14 37 29.8 +1.2
S40A	Lebanon	4.03	58	P	Pn	14 37 32.9 +1.3
S40A	Lebanon	4.03	58	P	Pn	14 37 32.9 +1.3
CBKS	Cedar Bluff	4.03	325	ePn	Pn	14 37 30.2 -1.5
CBKS	Cedar Bluff	4.03	325	ePn	Pn	14 36 21.5 -0.4
U41A	Viola	4.04	77	P	Pn	14 37 32.5 +0.8
U41A	Viola	4.04	77	P	Pn	14 37 32.5 +0.8
R35A	Duane Minner,	4.04	9	P	Pn	14 37 32.5 +0.7
R35A	Duane Minner,	4.04	9	P	Pn	14 37 32.5 +0.7
P39A	Chumby, Stover	4.10	46	P	Pn	14 37 33.2 +0.8
P39A	Chumby, Stover	4.10	46	P	Pn	14 37 33.2 +0.8
Q38A	Cooke Store, C	4.26				

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GEVA, TATA, AGRB, BASK, TASB, EKAR, etc.

MAN 05 15:10:02, 7.74N:126.80E, h26km, mb4.6, ML3.5, MS3.4, 1C, Mindanao

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

CSEM 05 15:16:19.9-0.3, 38.69N:43.52E, h15km, MD2.7, Error ellipse: s-maj=7.8km s-min=4.6km az=118.0

ISKB 05 15:16:19.4, 38.70N:43.45E, h10km, MD2.7, Error ellipse: s-maj=7.7km s-min=3.9km az=29.9

ISCBJ 05 15:16:20.2, 0.3, 37.81N:03.43E, h12km, 4km, Error ellipse: s-maj=7.7km s-min=3.9km az=29.9

DDA 05 15:16:20.8, 38.69N:43.48E, h5km, M1.9, Error ellipse: s-maj=7.7km s-min=3.9km az=29.9

ISD 05 15:16:20.5-0.9, 38.70N:03.43E, h14km, 6km, n30, r15/11/52, Turkey

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

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

KRSC 05 15:18:13.2:10.0, 51.44N:159.68E, h15km, 10km, ML3.5, Off east coast of Kamchatka Peninsula

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

ISN 05 15:24:24.7:1.4, 37.78N:43.33E, h0km, ML3.7, Error ellipse: s-maj=4.8km s-min=4.1km az=175.8

ISCBJ 05 15:24:35.1:0.5, 37.83N:02.43E, h0.4, h5km, 5km, Error ellipse: s-maj=4.8km s-min=4.1km az=175.8

CSEM 05 15:24:35.2:0.1, 37.87N:43.32E, h8km, ML3.7, Error ellipse: s-maj=3.7km s-min=3.2km az=78.0

DDA 05 15:24:35.1, 37.83N:43.21E, h5km, M1.7, Error ellipse: s-maj=3.7km s-min=3.2km az=78.0

ISD 05 15:24:35.5-0.9, 37.85N:02.43E, h11km, 7km, n78, r146/104, Turkey

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

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

IDC 05 15:24:42.0:1.0, 52.14N:171.12W, h0km, mb4.0/27, m1.1/1.2, mb1mx0.4/0.68, mbtm3.9/28, ML3.4/1, MS3.6/6, Ms1 3.6/6, ms1mx3.0/4.4, Error ellipse: s-maj=20.9km s-min=12.8km az=168.0

ISCBJ 05 15:24:46.7:0.5, 52.1N:171.170W, h0km, h2.9km, mb4.0/28, MS3.6/6, Error ellipse: s-maj=14.9km s-min=4.0km az=165.0

NEIC 05 15:24:46.8:0.0, 51.98N:170.89W, h29km, ML3.6(AEIC), After AEIC

ISD 05 15:24:48.1:0.7, 52.1N:171.170W, h0.05, h42km, n60, r15/15, mb4.0/28, MS3.6/6, Fox Islands

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





5d 16h

Table with columns for call sign, frequency, power, and other technical details. Includes stations like RAO Raoul Island, RAO Raouli Island, RAO Raoul Island, etc.

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Table with columns for call sign, frequency, power, and other technical details. Includes stations like MBWA Marble Bar, SOEI Soe, SOEI Soe, etc.

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Table with columns for call sign, frequency, power, and other technical details. Includes stations like KDKA Kodiak Island, CCUT Cedar City, KNB Kanab, etc.

BRVK	Borovoye	126.09 317c	PKIKP	PKPdf	pmax	17 08 33.3	0.0
BRVK	Borovoye	126.09 317	ePKPdf	PKPdf	pmax	17 08 32.5	-0.8
ARU	Arti	132.56 322	PKIKP	PKPdf	pmax	17 08 47.8	+2.1
ARU	Arti	132.56 322	SS	SS	pmax	17 08 38.7	-8.3
ARU	Arti	132.56 322	ePKPdf	PKPdf	pmax	17 08 45.7	+0.2
AKB	Akbulak array	132.69 316	ePKP	PKPdf	pmax	17 08 45.8	-0.2
GEYT	Alibeck	133.84 296	PKP	PKPdf	pmax	17 08 48.9	+0.2
KMBO	Kilima Mbogo	135.83 233	PKP	PKPdf	pmax	17 08 53.7	+0.3
ARCES	ARCESS Array B	137.30 349	PKP	PKPdf	pmax	17 08 54.6	+0.6
H1053	ASCENSION HYDR88.66	153 T	T	T	pmax	19 45 17.1	
H1052	ASCENSION HYDR88.64	153 T	T	T	pmax	19 45 17.1	
H1051	ASCENSION HYDR89.7	152 T	T	T	pmax	19 45 18.2	
H10N3	ASCENSION HYDR89.71	152 T	T	T	pmax	19 46 40.5	
H10N1	ASCENSION HYDR89.72	152 T	T	T	pmax	19 46 39.0	
H10N2	ASCENSION HYDR89.73	152 T	T	T	pmax	19 46 39.8	
KLMR	Klimovskoe	139.88 333	PKIKP	PKPdf	pmax	17 08 58.5	-0.5
KLMR	Klimovskoe	139.88 333	ePKIKP	PKPdf	pmax	17 08 58.5	-0.5
RAYN	Ar Rayn	141.82 272	ePKPdf	PKPdf	pmax	17 08 58.9	-4.9
MAK	Makhachkala	141.90 304	e	Pdfid	pmax	17 06 23.2	+0.3
MAK	Makhachkala	141.90 304	ePPP	PPP	pmax	17 12 07.3	
MAK	Makhachkala	141.90 304	eSSS	SSS	pmax	17 35 46.6	
MAK	Makhachkala	141.90 304	ePKP	PKP	pmax	17 09 06.4	0.0
DGRG	David-gareji	143.65 302	P	PKPdf	pmax	17 09 06.4	0.0
DGRG	David-gareji	143.65 302	ePKIKP	PKPdf	pmax	17 09 06.4	0.0
FINES	FINESS Array B	144.05 312	PKHKP	PKP	pmax	17 09 03.3	
FINES	FINESS Array B	144.05 312	ePKIKP	PKP	pmax	17 09 10.1	+3.7
FINES	FINESS Array B	144.05 341	ePKIKP	PKP	pmax	17 09 10.1	+3.7
TLBG	Delisi	144.09 302	P	PKPab	pmax	17 09 04.9	+0.1
TLBG	Delisi	144.09 302	ePKIKP	PKPab	pmax	17 09 04.9	+0.1
GUDG	Gudauri	144.18 303	P	PKPbc	pmax	17 09 06.6	+0.6
GNI	Garni	144.26 300	PKP	PKPbc	pmax	17 09 06.6	+0.6
GNI	Garni	144.26 300	ePKIKP	PKPbc	pmax	17 09 07.3	-0.4
GNI	Garni	144.26 300	ePKIKP	PKPbc	pmax	17 09 07.3	-0.4
OBN	Oblinsk	144.48 327	PKIKP	PKPab	pmax	17 09 04.3	-1.4
OBN	Oblinsk	144.48 327	ePKIKP	PKPab	pmax	17 12 31.0	
OBN	Oblinsk	144.48 327	ePKIKP	PKPab	pmax	17 09 06.4	-0.3
ZEI	Tsey	144.55 304	ePKIKP	PKPab	pmax	17 09 05.7	-0.5
LPSR	Galich' ya Gora	144.58 322	ePKIKP	PKPab	pmax	17 09 05.7	-0.5
LPSR	Galich' ya Gora	144.58 322	ePKIKP	PKPab	pmax	17 09 06.8	-0.1
GOF	Gofitskoye	144.70 308	ePKIKP	PKPab	pmax	17 09 06.8	-0.1
GOF	Gofitskoye	144.70 308	ePKIKP	PKPab	pmax	17 09 08.5	-0.1
ONI	Oni	144.91 304	P	PKPdf	pmax	17 09 08.5	-0.1
ONI	Oni	144.91 304	ePKIKP	PKPdf	pmax	17 09 08.5	-0.1
EGD	Bogdanovka	145.00 302	P	PKPdf	pmax	17 09 08.9	+0.8
AKH	Akhalkalaki	145.06 302	PKP	PKPdf	pmax	17 09 09.3	+0.2
AKH	Akhalkalaki	145.06 302	PKP	PKPdf	pmax	17 09 09.3	+0.2
AKH	Akhalkalaki	145.06 302	ePKIKP	PKPdf	pmax	17 09 08.9	-0.1
VSR	Storozhevo	145.07 320	ePKIKP	PKPbc	pmax	17 09 07.0	-1.0
VSR	Storozhevo	145.07 320	ePKIKP	PKPbc	pmax	17 09 08.1	-0.2
KBZ	Khabz	145.09 306	PKP	PKPbc	pmax	17 09 08.1	-0.2
KVAR	Kislovodsk Arr	145.19 306	PKPbc	PKPbc	pmax	17 09 08.1	-0.7
KIV	Kislovodsk	145.20 306	PKIKP	PKPdf	pmax	17 09 09.6	+0.5
KIV	Kislovodsk	145.20 306	ePKIKP	PKPdf	pmax	17 09 19.4	
KIV	Kislovodsk	145.20 306	ePKIKP	PKPdf	pmax	17 12 35.2	
NB2	NORSAR Subarr1	147.38 353	PKP	PKPdf	pmax	17 09 13.4	+1.2
NOA	NORSAR Array B	147.38 353	PKPbc	PKPdf	pmax	17 09 13.1	+1.0
IZAR	Zarasai	148.47 335	ePKP	PKPbc	pmax	17 09 16.8	-0.9
IZAR	Zarasai	148.47 335	ePKP	PKPbc	pmax	17 09 20.0	
IDID	Didziasali	148.62 334	ePKP	PKPbc	pmax	17 09 16.9	-1.2
IDID	Didziasali	148.62 334	ePKP	PKPbc	pmax	17 09 23.1	
ISAL	Salakas	148.66 335	ePKP	PKPbc	pmax	17 09 17.1	-1.0
ISAL	Salakas	148.66 335	ePKP	PKPbc	pmax	17 09 22.3	
IIGN	Ignalina	148.79 334	ePKP	PKPbc	pmax	17 09 17.6	-0.8
IIGN	Ignalina	148.79 334	ePKP	PKPbc	pmax	17 09 22.7	
NACGM	Naroch	148.91 333	ePKP	PKPbc	pmax	17 09 18.0	-0.8
KSRV	Kasrt alli	149.09 292	ePKP	PKPbc	pmax	17 09 24.3	0.0
AKASG	Malin Array B	150.68 325	PKPbc	PKPbc	pmax	17 09 22.6	-0.6
KIEV	Kiev	150.69 325	ePKIKP	PKPbc	pmax	17 09 22.9	-0.4
KIEV	Kiev	150.69 325	ePKPbc	PKPbc	pmax	17 09 22.9	-0.4
SIM	Simferopol'	150.75 312	PKIKP	PKPbc	pmax	17 09 23.0	-0.6
SIM	Simferopol'	150.75 312	ePKIKP	PKPbc	pmax	17 09 25.7	+1.3
DRWC	Darouich	150.92 294	ePKP	PKPbc	pmax	17 09 25.2	+0.8
KFRA	Kufra	150.92 291	ePKP	PKPbc	pmax	17 09 23.1	-0.7
SUW	Suwali	150.95 335	ePKP	PKPbc	pmax	17 09 23.1	-0.7
SUW	Suwali	150.95 335	ePKIKP	PKPbc	pmax	17 09 23.1	-0.7
SALA	Salala	151.01 286	ePKP	PKPbc	pmax	17 09 26.5	+1.7
BTCH	Batrach	151.14 293	ePKP	PKPbc	pmax	17 09 25.3	-0.3
MARH	Ras Al Marh	151.23 289	ePKP	PKPbc	pmax	17 09 26.8	+1.3
HAWK	Haweek	151.28 290	ePKP	PKPbc	pmax	17 09 26.8	+1.5
BIDA	Albida	151.32 291	ePKP	PKPbc	pmax	17 09 26.5	+1.0
ARNB	Al Arnab	151.55 293	ePKP	PKPbc	pmax	17 09 27.0	+1.1
TCHB	Talcheb	151.66 286	ePKP	PKPbc	pmax	17 09 27.2	+1.1
BRBR	Barbar	151.68 288	ePKP	PKPbc	pmax	17 09 27.0	+1.0
MMAI	Mout Meron Ar	152.14 287	PKPbc	PKPbc	pmax	17 09 27.0	-0.3
EIL	Eilat	152.34 279	PKPbc	PKPbc	pmax	17 09 28.5	+0.7
SORM	Soroca	152.68 322	PKPbc	PKPbc	pmax	17 09 27.6	-0.3
SORM	Soroca	152.68 322	PKPbc	PKPbc	pmax	17 09 27.6	-0.3
BRTR	Keskin Array B	152.74 301	PKPbc	PKPbc	pmax	17 09 28.4	-0.2
BRTR	Keskin Array B	152.74 301	ePKP	PKPbc	pmax	17 09 37.1	-1.1
CFR	Carcaliu	154.43 316	PKPbc	PKPbc	pmax	17 09 32.1	+0.3
CFR	Carcaliu	154.43 316	ePKIKP	PKPbc	pmax	17 09 32.1	+0.3
KWP	Kalwaria Pacia	154.48 330	ePKP	PKPab	pmax	17 09 47.2	+0.9
KWP	Kalwaria Pacia	154.48 330	ePKP2	PKPab	pmax	17 09 47.2	+0.9
TESR	Tescani	154.57 320	PKP	PKPab	pmax	17 09 45.9	-0.9
BURAR	Bucovina Array	154.66 324	PKPbc	PKPbc	pmax	17 09 33.1	+0.7
TLB	Topalu	154.79 315	PKP	PKPab	pmax	17 09 47.9	+0.1
TLB	Topalu	154.79 315	ePKP2	PKPab	pmax	17 09 47.9	+0.1
STHS	Stebnicka Huta	155.28 321	ePKP2	PKPab	pmax	17 09 48.8	-0.9
STHS	Stebnicka Huta	155.28 321	ePKP	PKPab	pmax	17 09 47.3	-0.9
UZH	Uzhgorod	155.40 329	PKIKP	PKPdf	pmax	17 09 30.4	+5.7
UZH	Uzhgorod	155.40 329	ePKIKP	PKPdf	pmax	17 09 41.4	
BMR	Baia Mare	155.50 326	PKP	PKPab	pmax	17 09 51.5	+0.8
BMR	Baia Mare	155.50 326	ePKP2	PKPab	pmax	17 09 51.5	+0.8
CRVS	Cervencia-Dubn	155.57 330	ePKP2	PKPab	pmax	17 09 50.6	-0.4
CRVS	Cervencia-Dubn	155.57 330	ePKP	PKPab	pmax	17 09 50.6	-0.4
DOPR	Dopca	155.59 320	PKP	PKPab	pmax	17 09 51.4	+0.2
KSP	Ksiaz	155.93 339	ePKP	PKPab	pmax	17 09 52.5	+0.1
KSP	Ksiaz	155.93 339	ePKP2	PKPab	pmax	17 09 52.5	+0.1
VOIR	Voiron	156.10 320	PKP2	PKPab	pmax	17 09 54.0	+0.5
VOIR	Voiron	156.10 320	ePKP2	PKPab	pmax	17 09 53.8	+0.4
OKC	Ostrava-Krasne	156.16 336	ePKP	PKPab	pmax	17 10 03.3	-2.3
OKC	Ostrava-Krasne	156.16 336	ePKP2	PKPab	pmax	17 09 53.8	+0.4
LANS	Liptovsky Anna	156.22 333	ePKP2	PKPab	pmax	17 09 55.2	+1.4
LANS	Liptovsky Anna	156.22 333	ePKP	PKPab	pmax	17 09 55.2	+1.4
UPC	Uvice	156.31 339	ePKP	PKPab	pmax	17 09 53.7	-0.4
UPC	Uvice	156.31 339	ePKP2	PKPab	pmax	17 10 03.8	-2.4
UPC	Uvice	156.31 339	ePKP2	PKPab	pmax	17 09 53.7	-0.4
KECS	Kecovo	156.31 331	ePKP	PKPab	pmax	17 09 53.9	-0.3
KECS	Kecovo	156.31 331	ePKP	PKPab	pmax	17 09 53.9	-0.3
KECS	Kecovo	156.31 331	ePKP	PKPab	pmax	17 09 53.9	-0.3
KECS	Kecovo	156.31 331	ePKP	PKPab	pmax	17 09 53.9	-0.3

DPC	Dobruska-Polom	156.35 339	ePKPab	PKPab	pmax	17 09 53.8	-0.5
DPC	Dobruska-Polom	156.35 339	ePKP	PKPab	pmax	17 10 04.8	-1.6
DPC	Dobruska-Polom	156.35 339	ePKP2	PKPab	pmax	17 09 53.8	-0.5
ARR	Arges	156.38 320	PKP	PKPab	pmax	17 09 55.6	+0.9
CLL	Colim	156.40 345	ePKIKP	PKPdf	pmax	17 09 27.0	+1.1
CLL	Colim	156.40 345	ePKP	PKPab	pmax	17 09 53.5	
CLL	Colim	156.40 345	ePKP	PKPab	pmax	17 09 53.5	
CLL	Colim	156.40 345	ePKP	PKPab	pmax	17 09 53.5	
CLL	Colim	156.40 345	ePKP	PKPab	pmax	17 09 53.5	
CLL	Colim	156.40 345	ePKP	PKPab	pmax	17 09 53.5	
CLL	Colim	156.40 345	ePKP	PKPab	pmax	17 09 53.5	
MORC	Moravsky Berou	156.43 336	PKP	PKPab	pmax	17 09 54.3	-0.4
MORC	Moravsky Berou	156.43 336	ePKP2	PKPab	pmax	17 09 54.3	-0.4
MORC	Moravsky Berou	156.43 336	ePKPab	PKPab	pmax	17 09 55.9	+1.2
KRLC	Kraliky	156.44 338	ePKP2	PKPab	pmax	17 09 55.9	+1.2
DRGR	Drgr	156.49 325	PKP	PKPab			



NPS	S	Sb	17 12 02.5	-1.1	SIGR	SIGRI	3.81 347	ePn	Pn	17 12 26.4	+0.4	MJAR	Matsushiro Arr	84.00 49	P	P	17 23 59.1	+1.2
NPS	AML	AML	17 12 07.0		SIMA	Simav-Kutahya	3.92 24	ePn	Pn	17 12 28.7	+1.0	comp=N,1.5nm,0.8s,baz=302,slow=4.7,SNR=5.5						
comp=N,4410µm,0.5s					SIMA	Simav-Kutahya	3.92 24	ePn	Pn	17 12 28.7	+1.0	ASAR	Alice Springs	116.67 101	PKP	PKPdf	17 30 11.0	-0.9
NPS	AML	AML	17 12 07.3		LTK	Loutraki	4.08 309	P	Pn	17 12 31.5	+1.8	comp=N,0.2nm,0.9s,baz=2.9,slow=1.9,SNR=3.5						
NPS	P	Pb	17 11 48.2	-0.8	BALK	Balkisier	4.20 10	ePn	Pn	17 12 32.9	+1.4	ISCJB 05 17:13:06.1,0.4,23.388S,0.05s,175.43W,h39km,mb4.9/50,Error ellipse: s-maj=10.1km s-min=7.1km az=19.4						
NPS	S	Sb	17 12 02.5	-1.1	ITM	Ithomi	4.39 294	P	Pn	17 12 32.7	+3.1	NEIC 05 17:13:07.3,0.6,23.235S,175.41W,h35km,3km,mb5.0/38,Error ellipse: s-maj=9.3km s-min=6.2km az=124.0						
NPS	S	Sb	17 11 48.2	-0.8	ITM	Ithomi	4.39 294	P	Pn	17 12 32.7	+3.1	IDC 05 17:13:07.5,0.7,23.305S,175.38W,h36km,3km,mb4.3/13,mb1.4/4.14,mb1mx4.2/30,mbtmp4.4/14,ML3.1/1,MS3.6/2,Ms1 3.6/2,ms1mx3.2/20,Error ellipse: s-maj=27.0km s-min=18.4km az=151.0						
NPS	S	Sb	17 12 04.3	+0.3	GUR	Goura	4.43 305	P	Pn	17 12 36.9	+2.1	ISC 05 17:13:06.8,0.5,23.415S,175.46W,0.09,h32km,2km,152km,pp-P,1n137,0.177/140,mb5.0/50,9C-4D,Tonga						
ARG	S	Sb	17 11 49.0	-1.0	PYL	Pyloros	4.44 290	P	Pn	17 12 37.8	+3.0	Islands region						
ARG	S	Sb	17 12 10.0	0.0	PYL	Pyloros	4.44 290	P	Pn	17 12 37.8	+3.0	Code	Station Name	A°	Z°	Phase ID	Time	Res
ARG	AML	AML	17 12 14.9		BOLV	Bolavind	4.53 44	ePn	Pn	17 12 39.5	+3.5	RAO	Raoul Island	6.22 200	Op	ISC	h m s	ISC
ARG	P	Pb	17 11 49.4	-0.7	KLK	Kalavryta, Ach	4.62 305	P	Pn	17 12 39.9	+2.6	21nm,0.3s,baz=90,slow=20,SNR=2.7						
ARG	S	Sb	17 12 06.0	0.0	KLK	Kalavryta, Ach	4.62 305	P	Pn	17 12 39.9	+2.6	RAO	Raoul Island	6.22 200	eSn	Pn	17 14 37.8	+1.5
ARG	S	Sb	17 11 49.4	-0.7	AGC	Agios Georgios	5.10 315	ePn	Pn	17 12 48.0	+4.2	21nm,0.3s,baz=90,slow=20,SNR=2.7						
ARG	S	Sb	17 12 07.2	+1.2	AGG	Agios Georgios	5.10 315	ePn	Pn	17 12 48.0	+4.2	RAO	Raoul Island	6.22 200	eSn	Pn	17 14 37.8	+1.5
LAST	S	Sb	17 11 50.8	-0.2	CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	MSVF	Nonsauv	8.30 312	ePn	Pn	17 15 10.1	+5.0
LAST	S	Sb	17 12 08.0	+0.2	CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	AFI	Afiyalu	10.08 21	ePn	Pn	17 15 19.8	-1.0
LAST	AML	AML	17 12 16.9		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	AFI	Afiyalu	10.08 21	eSn	Pn	17 15 19.8	-1.0
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	ePn	Pn	17 15 19.5	-1.0
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	AFI	Afiyalu	10.08 21	eSn	Pn	17 15 19.5	-1.0
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 20.5	-1.2
LAST	AML	AML	17 12 19.3		CSS	Mathiatis	5.24 94	ePn	Pn	17 12 46.7	+0.9	RAR	Rarotonga	14.69 84	eSn	Pn	17 16 2	



Table with columns: COLA, comp-Z, pmax, pmax, 23.91, 46, eP, P, 17 29 16.8 -0.9, etc.

Table with columns: KKAR, Karatay Array, 60.91, 304, eP, P, 17 34 16.0 -0.7, etc.

Table with columns: HAKT, HAKT HAKKARI, 1.22, 159, P, S, 17 34 51.8 +1.3, etc.

IDC 05 17:37:54.9-4.0, 20.79Sx178.70W, h0km, mb3.5/4, mb1 3.8/4, mb1mx3.6/2.3, mb1mx3.5/4, MS3.4/1, Ms1.3 3.4/1, ms1mx2.7/1.9, Error ellipse: s-maj=5.2km, s-min=3.4km, Az=180.0km s-min=58.1km az=151.0, Fiji Islands region

ISCJB 05 17:44:59.7±0.7, 38.85N±0.04, 43.64E±0.06, h13km, 5km, Error ellipse: s-maj=8.9km s-min=5.6km az=24.3 CSEM 05 17:44:59.4±0.2, 38.86N±0.04, 43.64E±0.2km, ML2.3, Error ellipse: s-maj=5.3km s-min=3.2km az=115.0

DDA 05 17:44:59.8, 38.87N, 43.57E, h7km, M12.3 ISK 05 17:44:59.1, 38.86N, 43.65E, h15km, MD2.6 ISC 05 17:44:59.7±0.9, 38.86N±0.03, 43.64E±0.03, h14km, 7km, n28, e037/36, Turkey

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

ISCJB 05 17:54:25.0±0.3, 7.00S±0.03, 104.76E±0.03, h10km, mb4.6/40, MS3.6/6, Error ellipse: s-maj=5.2km s-min=3.4km az=23.2

IDC 05 17:54:26.1±0.7, 6.68S±0.05, 105.04E, h0km, mb4.2/15, mb1 4.3/15, mb1mx1.4/3.4, mb1mx4.2/15, MS3.6/6, Ms1 3.7/6, ms1mx3.2/6, Error ellipse: s-maj=3.5km s-min=1.3km az=50.0

NEIC 05 17:54:27.0±0.3, 6.77S±0.04, 104.87E, h10km, mb4.8/26, Error ellipse: s-maj=5.7km s-min=4.7km az=23.0 DJA 05 17:54:30.5±0.3, 7.52S±0.10, h10km, M4.7/16, mb4.8/12, mb5.4/4, ML4.7/16, Mw(mB)4.9/4

ISC 05 17:54:26.4±1.4, 6.92S±0.04, 104.79E±0.04, h8km, 8km, n109, e178/114, mb4.5/40, MS3.6/6, Sunda Strait

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHTO Chiang Mai, MTN Manton Dam, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VANB Van, VMUR Van-Muradiye, CLDR Caldiran, etc.

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

















Table with columns: ARK, Arkit, baz=4.0, 2.68, 41iP, Pn, 21 05 44.6 -0.2, etc.

s-min=3.8km az=164.6
IDC 05 21:34:31.5, 0.6, 29:38N-105:13E, h0km, mb3.9/21,
mb1 4.0/23, mb1mx3.8/60, mbtmp3.9/23, ML3.5/2, MS3.2/3,
Ms1 3.2/3, ms1mx2.8/30, Error ellipse: s-maj=20.8km
s-min=13.0km az=58.0

ISC 05 21:35:57.3, 0.9, 38:64N-0:03:43.20E, 0:04, h11km, gkm,
n25, c0544/35, Turkey

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

IDC 05 21:18:22.4, 2.1, 6:97S, 128:68E, h0km, mb3.7/2,
mb1 3.9/4, mb1mx3.5/27, mbtmp3.8/4, ML3.8/2, Error
ellipse: s-maj=254.6km s-min=26.8km az=65.0, Banda
Sea

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

Code Station Name Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC

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

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

STR 05 21:36:32.5, 1.3, 51:36N-16:26E, h5km, M4.3, Error
ellipse: s-maj=0.0km s-min=0.0km az=0.0

VIE 05 21:36:32.8, 1.3, 51:74N-16:17E, h0km, mb3.0/13,
ML3.4/12, Ms3.5/4, Error ellipse: s-maj=14.3km
s-min=5.5km az=23.0, Suspected Mining induced,
ISCJB 05 21:36:33.0, 2.5, 51:50N-0:01:16:09E, 0:02, h0km,
mb3.7/8, Error ellipse: s-maj=1.9km s-min=1.7km az=19.5

IDC 05 21:24:40.2, 2.1, 56:17S-27:99W, h0km, mb3.9/1,
mb1 3.9/1, mb1mx3.5/23, mbtmp3.9/1, Error ellipse:
s-maj=109.4km s-min=27.6km az=131.0, South
Sandwich Islands region

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

Code Station Name Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC

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

CSEM 05 21:36:35.2, 0.1, 51:52N-16:09E, h2km, ML3.9/13, Ms3.5,
Error ellipse: s-maj=2.1km s-min=1.9km az=53.0

WAR 05 21:36:36.6, 51:49N-16:09E, h1km, Mw3.2
IDC 05 21:36:36.0, 0.5, 51:51N-16:02E, h0km, mb3.7/8,
mb1 3.8/16, mb1mx3.6/52, mbtmp3.7/16, ML3.4/8, Error
ellipse: s-maj=9.8km s-min=6.0km az=107.0

ISK 05 21:27:55.1, 38:62N-43:13E, h5km, MD2.7
ISCJB 05 21:27:56.0, 5.0, 38:65N-0:03:43:14E, 0:04, h10km, gkm,
Error ellipse: s-maj=5.0km s-min=4.6km az=158.9

CSEM 05 21:27:56.1, 0.2, 38:64N-43:16E, h10km, MD2.7, Error
ellipse: s-maj=4.9km s-min=4.5km az=110.0
DDA 05 21:27:56.5, 38:65N-43:18E, h7km, M12.4
ISC 05 21:27:56.4, 0.9, 38:63N-0:02:43:15E, 0:02, h12km, gkm,
n28, c0576/40, Turkey

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

Code Station Name Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC

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

ISC 05 21:36:34.5, 0.5, 51:51N-0:02:16:09E, 0:02, h0km, n193,
c1571/302, mb3.7/8, AZ-21D, Poland

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

NEIC 05 21:29:50.0, 0.7, 17:17N-99:84W, h30km, MD4.0 (MEX),
After MEX.

MEX 05 21:29:50.0, 0.7, 17:17N-99:84W, h30km, gkm, MD4.0,
Guerrero

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

Code Station Name Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC

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

ISC 05 21:35:56.4, 38:63N-43:21E, h7km, MD2.7
ISCJB 05 21:35:57.3, 0.5, 38:65N-0:04:43:20E, 0:05, h12km, gkm,
Error ellipse: s-maj=7.9km s-min=4.9km az=38.9

CSEM 05 21:35:57.1, 0.2, 38:64N-43:22E, h10km, MD2.7, Error
ellipse: s-maj=4.4km s-min=3.9km az=142.0
DDA 05 21:35:57.5, 38:65N-43:25E, h7km, M13.0

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

ISCJB 05 21:34:31.5, 0.3, 29:42N-0:03:10E, 0:04, h10km,
mb3.9/23, MS3.0/3, Error ellipse: s-maj=5.4km

Code Station Name Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC

OKC	Ostrava-Krasne	2.13 141	ePn	Pn	21 37 11.2	0.0
OKC			ePp	Pg	21 37 15.4	+0.2
OKC			eSg	Sg	21 37 42.4	-0.4
OKC	Ostrava-Krasne	2.13 141	Pn	Pn	21 37 11.2	0.0
VRAC	Vranov	2.23 171	Pn	Pn	21 37 14.0	+1.3
VRAC	comp=Z,5.2nm,0.3s,baz=344,slow=15,SNR=50		Lg	Lg		
VRAC	comp=Z,10.0nm,0.3s,baz=40,slow=13,SNR=5.0		Lg	Lg	21 37 45.3	
VRAC	Vranov	2.23 171	Pn	Pn	21 37 14.2	+1.5
VRAC	Vranov	2.23 171	S	S	21 37 46.5	+0.4
VRAC	Vranov	2.23 171	Pn	Pn	21 37 13.7	+1.0
VRAC	Vranov	2.23 171	Pn	Pn	21 37 14.2	+1.5
VRAC	Vranov	2.23 171	Pn	Pn	21 37 46.0	-0.1
TREC	Trest	2.25 190	ePn	Pn	21 37 14.5	+1.5
TREC	Trest	2.25 190	ePp	Pg	21 37 17.8	+0.2
TREC	Trest	2.25 190	eSg	Sg	21 37 47.1	+0.2
TREC	comp=Z,110nm,0.5s		Pn	Pn	21 37 14.5	+1.5
TREC	Trest	2.25 190	Pg	Pg	21 37 17.8	+0.2
TREC	Trest	2.25 190	Sg	Sg	21 37 47.1	+0.2
WERD	Werda	2.62 247	ePp	Pg	21 37 25.5	+0.9
WERD	Werda	2.62 247	eSg	Sg	21 37 58.7	+0.2
WERD	Werda	2.62 247	Pg	Pg	21 37 25.5	+0.9
WERD	Werda	2.62 247	Sg	Sg	21 37 58.7	+0.2
NKC	Novy Kostel	2.64 242	ePn	Pn	21 37 19.5	+1.2
NKC	Novy Kostel	2.64 242	ePp	Pg	21 37 19.5	+1.2
NKC	Novy Kostel	2.64 242	eSg	Sg	21 38 01.2	+2.0
NKC	Novy Kostel	2.64 242	Pn	Pn	21 37 19.5	+1.2
OJC	Ojcow	2.68 117	ePn	Pn	21 37 18.1	-0.8
OJC	Ojcow	2.68 117	ePp	Pg	21 37 26.6	+0.8
OJC	Ojcow	2.68 117	eSg	Sg	21 37 50.6	-1.5
OJC	Ojcow	2.68 117	Pn	Pn	21 38 02.5	+1.9
OJC	Ojcow	2.68 117	Pn	Pn	21 37 18.1	-0.8
OJC	Ojcow	2.68 117	Pn	Pn	21 37 18.1	-0.8
OJC	Ojcow	2.68 117	Pn	Pn	21 37 26.6	+0.8
OJC	Ojcow	2.68 117	Pn	Pn	21 38 02.5	+1.9
KHC	Kasperske Hory	2.88 215	ePn	Pn	21 37 22.4	+0.8
KHC	Kasperske Hory	2.88 215	ePp	Pg	21 37 28.9	-0.7
KHC	Kasperske Hory	2.88 215	eSg	Sg	21 37 56.7	-0.2
KHC	Kasperske Hory	2.88 215	Pn	Pn	21 38 07.5	+0.6
KHC	Kasperske Hory	2.88 215	Pn	Pn	21 37 22.4	+0.8
KHC	Kasperske Hory	2.88 215	Pn	Pn	21 37 28.9	-0.7
KHC	Kasperske Hory	2.88 215	Pn	Pn	21 37 56.7	-0.2
KHC	Kasperske Hory	2.88 215	Pn	Pn	21 38 07.5	+0.6
MOX	Moxa	2.95 255	ePn	Pn	21 37 23.8	+1.2
MOX	Moxa	2.95 255	ePp	Pg	21 38 10.2	+0.9
MOX	Moxa	2.95 255	eSg	Sg	21 37 23.8	+1.2
MOX	Moxa	2.95 255	Pn	Pn	21 38 10.2	+0.9
MANZ	Manzenberg	2.96 240	ePn	Pn	21 37 24.0	+1.4
MANZ	Manzenberg	2.96 240	ePp	Pg	21 38 07.7	-1.6
MANZ	Manzenberg	2.96 240	eSg	Sg	21 38 07.7	-1.6
MANZ	Manzenberg	2.96 240	Pn	Pn	21 37 24.0	+1.4
ROTZ	Rotzenmuhle	3.03 236	ePn	Pn	21 37 24.8	+1.2
ROTZ	Rotzenmuhle	3.03 236	ePp	Pg	21 37 24.8	+1.2
ROTZ	Rotzenmuhle	3.03 236	eSg	Sg	21 37 24.8	+1.2
ROTZ	Rotzenmuhle	3.03 236	Pn	Pn	21 37 24.8	+1.2
GERES	GERESS Array S	3.08 211	ePn	Pn	21 37 25.6	+1.2
GERES	GERESS Array S	3.08 211	ePp	Pg	21 37 25.6	+1.2
GERES	GERESS Array S	3.08 211	eSg	Sg	21 37 25.6	+1.2
GERES	GERESS Array S	3.08 211	Pn	Pn	21 37 25.6	+1.2
GERES	GERESS Array B	3.08 211	ePn	Pn	21 37 25.6	+1.2
GERES	GERESS Array B	3.08 211	ePp	Pg	21 37 25.6	+1.2
GERES	GERESS Array B	3.08 211	eSg	Sg	21 37 25.6	+1.2
GERES	GERESS Array B	3.08 211	Pn	Pn	21 37 25.6	+1.2
GERES	comp=Z,5.2nm,0.3s,baz=31,slow=12,SNR=150		Pg	Pg	21 37 32.2	-1.3
GERES	comp=Z,12nm,0.3s,baz=29,slow=19,SNR=50		Sn	Sn	21 37 59.0	-3.1
GERES	comp=Z,7.9nm,0.3s,baz=33,slow=22,SNR=6.3		Lg	Lg	21 38 13.5	
GERES	comp=Z,15nm,0.3s,baz=32,slow=28,SNR=11		Lg	Lg		
SMOL	Smolenice	3.12 163	ePp	Pg	21 37 34.9	+0.6
SMOL	Smolenice	3.12 163	ePp	Pg	21 38 16.9	+2.1
SMOL	Smolenice	3.12 163	eSg	Sg	21 37 34.9	+0.6
SMOL	Smolenice	3.12 163	Sg	Sg	21 38 16.9	+2.1
WETZ	Wetzell	3.14 222	ePn	Pn	21 37 26.2	+1.0
WETZ	Wetzell	3.14 222	ePp	Pg	21 38 15.6	+0.3
WETZ	Wetzell	3.14 222	eSg	Sg	21 37 26.2	+1.0
WETZ	Wetzell	3.14 222	Pn	Pn	21 37 26.2	+1.0
WETZ	Wetzell	3.14 222	Pn	Pn	21 38 15.6	+0.3
LANS	Liptovska Anna	3.21 136	ePn	Pn	21 37 36.4	+0.5
LANS	Liptovska Anna	3.21 136	ePp	Pg	21 37 27.2	+1.1
LANS	Liptovska Anna	3.21 136	eSg	Sg	21 37 36.4	+0.5
LANS	Liptovska Anna	3.21 136	Pn	Pn	21 38 18.1	+0.7
LANS	Liptovska Anna	3.21 136	Pn	Pn	21 37 30.5	+1.6
NIE	Niedzica	3.41 126	ePn	Pn	21 38 26.1	+2.1
NIE	Niedzica	3.41 126	ePp	Pg	21 37 30.5	+1.6
NIE	Niedzica	3.41 126	eSg	Sg	21 38 26.1	+2.1
NIE	Niedzica	3.41 126	Pn	Pn	21 37 30.5	+1.6
NIE	Niedzica	3.41 126	Pn	Pn	21 38 26.1	+2.1
NIE	Niedzica	3.41 126	Pn	Pn	21 37 30.5	+1.6
NIE	Niedzica	3.41 126	Pn	Pn	21 38 26.1	+2.1
YVHS	Vyhne	3.50 149	ePn	Pn	21 37 42.0	+0.4
YVHS	Vyhne	3.50 149	ePp	Pg	21 38 27.1	+0.1
YVHS	Vyhne	3.50 149	eSg	Sg	21 37 42.0	+0.4
YVHS	Vyhne	3.50 149	Pn	Pn	21 37 42.0	+0.4
YVHS	Vyhne	3.50 149	Pn	Pn	21 38 27.1	+0.1
CLZ	Clausthal	3.57 277	ePn	Pn	21 37 32.9	+1.8
CLZ	Clausthal	3.57 277	ePp	Pg	21 38 31.2	+2.0
CLZ	Clausthal	3.57 277	eSg	Sg	21 37 32.9	+1.8
CLZ	Clausthal	3.57 277	Pn	Pn	21 37 32.9	+1.8
CLZ	Clausthal	3.57 277	Pn	Pn	21 38 31.2	+2.0
CONA	Conrad Observa	3.59 182	Pn	Pn	21 37 32.8	+1.3
CONA	comp=Z,4.2nm,0.4s,SNR=6.3		Sg	Sg	21 38 30.7	+0.9
GRA1	Grafenberg Arr	3.60 241	Pn	Pn	21 37 32.9	+1.4
GRA1	Grafenberg Arr	3.60 241	Pn	Pn	21 38 30.5	+0.6
GRF	Bornholm Skovb	3.67 349	iP	Pn	21 38 02.1	+1.4
GRF	Bornholm Skovb	3.67 349	iP	Pn	21 38 30.5	+0.6
BSD	Bornholm Skovb	3.67 349	iP	Pn	21 38 13.7	-2.8
BSD	Bornholm Skovb	3.67 349	iP	Pn	21 37 32.7	+0.2
BSD	Bornholm Skovb	3.67 349	iP	Pn	21 38 13.7	-2.8
BSD	Bornholm Skovb	3.67 349	iP	Pn	21 37 32.7	+0.2
SOP	Sopron	3.85 175	ex	Pb	21 37 43.1	-0.1
MOA	Molin	3.85 199	Pn	Pn	21 37 36.6	+1.6
MOA	comp=Z,0.1nm,0.1s,SNR=8.3		Sg	Sg	21 38 38.6	+0.4
STHS	Stebnicka Huta	3.91 121	ePp	Pg	21 37 50.8	+1.5
STHS	Stebnicka Huta	3.91 121	ePp	Pg	21 38 45.3	+5.5
STHS	Stebnicka Huta	3.91 121	eSg	Sg	21 37 50.8	+1.5
STHS	Stebnicka Huta	3.91 121	Pn	Pn	21 38 45.3	+5.5
STHS	Stebnicka Huta	3.91 121	Pn	Pn	21 37 50.8	+1.5
STHS	Stebnicka Huta	3.91 121	Pn	Pn	21 38 45.3	+5.5
KECS	Kecovo	4.15 135	ePn	Pn	21 37 54.7	+0.7
KECS	Kecovo	4.15 135	ePp	Pg	21 38 48.6	+0.8
KECS	Kecovo	4.15 135	eSg	Sg	21 37 54.7	+0.7
KECS	Kecovo	4.15 135	Pn	Pn	21 38 48.6	+0.8
KECS	Kecovo	4.15 135	Pn	Pn	21 38 53.9	+0.8
ARSA	Arzberg	4.28 185	Pn	Pn	21 37 43.0	+2.1
ARSA	comp=Z,3.6nm,0.2s		Sg	Sg	21 38 54.1	+2.1
CRVS	Cervencia-Dubn	4.33 125	ePp	Pg	21 37 57.5	+0.1
CRVS	Cervencia-Dubn	4.33 125	ePp	Pg	21 38 53.9	+0.5
CRVS	Cervencia-Dubn	4.33 125	eSg	Sg	21 37 57.5	+0.1
CRVS	Cervencia-Dubn	4.33 125	Pn	Pn	21 38 53.9	+0.5
CRVS	Cervencia-Dubn	4.33 125	Pn	Pn	21 37 57.5	+0.1
CRVS	Cervencia-Dubn	4.33 125	Pn	Pn	21 38 53.9	+0.5
PSZ	Piszkesteto	4.36 144	iP	Pn	21 37 43.7	+1.6
PSZ	Piszkesteto	4.36 144	iP	Pn	21 38 41.1	-4.1
PSZ	Piszkesteto	4.36 144	iP	Pn	21 38 41.1	-4.1
PSZ	Piszkesteto	4.36 144	iP	Pn	21 37 43.7	+1.6
PSZ	Piszkesteto	4.36 144	iP	Pn	21 38 41.1	-4.1
PSZ	Piszkesteto	4.36 144	iP	Pn	21 38 41.1	-4.1
KBA	Koelnbreinsper	4.79 203	Pn	Pn	21 37 49.6	+1.6
KBA	comp=Z,9.3nm,0.4s		Sg	Sg	21 39 07.1	-1.1
BLEU	Blekinge	4.80 358	P	Pn	21 37 48.5	+0.5
BLEU	Blekinge	4.80 358	P	Pn	21 38 40.5	-3.7
BLEU	Blekinge	4.80 358	P	Pn	21 37 48.5	+0.5
BLEU	Blekinge	4.80 358	P	Pn	21 38 40.5	-3.7
SOKA	Soboth	4.89 189	Pn	Pn	21 37 51.1	+1.8
SOKA	comp=Z,0.2nm,0.1s		Sg	Sg	21 39 09.1	-2.4
BJUU	Bjuv	4.92 340	P	Pn	21 37 48.8	-0.7
BJUU	Bjuv	4.92 340	P	Pn	21 37 48.9	-0.7
TOD	Tromm	5.02 250	P	Pn	21 37 51.1	+0.1
OBKA	Obir	5.11 192	Pn	Pn	21 37 54.0	+1.7
OBKA	comp=Z,1.0nm,0.3s		Sg	Sg	21 39 16.5	-2.1
WATA	Walderalm	5.11 217	Pn	Pn	21 37 54.1	+1.7
WATA	comp=Z,3.8nm,0.3s,SNR=9.2		Sg	Sg	21 39 17.0	-1.7

DEL	Delary	5.13 346	P	Pn	21 37 52.4	-0.1
DEL	Delary	5.13 346	P	Pn	21 37 52.4	-0.1
MYKA	Terra Mystica	5.15 199	Pn	Pn	21 37 53.6	+0.8
MYKA	comp=Z,2.2nm,0.3s		Pn	Pn	21 37 53.6	+0.8
WTTA	Wattenberg	5.15 216	Pn	Pn	21 37 54.4	+1.4
WTTA	comp=Z,0.4nm,0.1s		Pn	Pn	21 37 54.4	+1.4
WTTA	WTTA	5.15 216	Sg	Sg	21 39 17.6	-2.3
MOTA	Moosalm	5.29 220	Pn	Pn	21 37 56.2	+1.4
MOTA	comp=Z,6.8nm,0.4s,SNR=8.9		Pn	Pn	21 37 56.2	+1.4
MOTA	Moosalm	5.29 220	Sg	Sg	21 39 21.2	-3.1
MOTA	Moosalm	5.29 220	Sg	Sg	21 39 21.2	-3.1
ABTA	Abtlersbach	5.32 208	Pn	Pn	21 37 56.6	+1.5
ABTA	comp=Z,1.5nm,0.6s		Pn	Pn	21 37 56.6	+1.5
ABTA	Abtlersbach	5.32 208	Sg	Sg	21 39 22.3	-2.9
ABTA	Abtlersbach	5.32 208	Sg	Sg	21 39 22.3	-2.9
RETA	Reutte	5.32 223	Pn	Pn	21 37 56.0	+0.8
RETA	comp=Z,1.3nm,0.5s		Pn	Pn	21 37 56.0	+0.8
RETA	Reutte	5.32 223	Sg	Sg	21 39 26.2	+1.0
RETA	Reutte	5.32 223	Sg	Sg	21 39 26.2	+1.0
TRPA	Tarpa	5.38 127	ex	Pn	21 37 55.8	0.0
VXJU	Vaexsjo	5.46 353	P	Pn	21 37 57.6	+0.6
VXJU	Vaexsjo	5.46 353	P	Pn	21 37 57.6	+0.6
VXJU	Vaexsjo	5.46 353	S	Sn	21 38 55.9	-4.6
OSKU	Oskarshamm	5.69 0	P	Pn	21 38 00.8	+0.6
OSKU	Oskarshamm	5.69 0	P	Pn	21 38 00.8	+0.6
FETA	Feichten	5.70 220	Pn	Pn	21 38 02.0	-0.2
FETA	comp=Z,1.6nm,0.4s		Pn	Pn	21 38 02.0	-0.2
BYXU	Byxelkrok	5.81 5	P	Pn	21 38 02.5	





Table with columns: LKRN, Lenkeran, Azer, SNR=3.3, 4.29, 89, P, Pn, 23 13 33.5 +0.1, 23 14 26.9 +3.8, 23 13 33.3 +0.1, etc.

Table with columns: Code, Station Name, Az, Az, Op, Phase ID, Time, Res, h, m, s, ISC, 23 14 48.5 -1.3, 23 15 02.3, etc.

Table with columns: IRK, Irkutsk, 3.68, 85, ePN, Pb, 23 15 34.2 -1.4, 23 16 23.2, etc.

BUJ 05 23:27:53.5, 6.01N, 124.11E, h543km, mb4.5/3, mB4.5/20, MOS 05 23:27:58.9, 0.7, 6.74N, 123.82E, h550km, mb4.2/17, Error ellipse: s-maj=12.4km s-min=7.7km az=105.6, etc.

Table with columns: Code, Station Name, Az, Az, Op, Phase ID, Time, Res, h, m, s, ISC, 23 29 09.3 -0.2, 23 29 09.6 -1.1, etc.

Table with columns: UWJI, Ujung Watu, 18.27, 225, P, P, 23 31 42.5 +1.2, 23 31 47.4 +1.7, 23 31 50.2 +1.6, etc.



Table of astronomical observations for 5d 23h, listing station names (e.g., MAT, MJAR), station IDs, coordinates, and observation details.

Table of astronomical observations for 2011 NOV, listing station names (e.g., MKAR, PEAOB), station IDs, coordinates, and observation details.

Table of astronomical observations for 2011 NOV, listing station names (e.g., JFK, JHO), station IDs, coordinates, and observation details.

NIED 05:23:41.00, 36:90N, 141:50E, h8km, Mw3.6 Best double couple: M2, 68000\*1014 NP1 to 184.00000, 333.00000, 1-104.00000. NP2 to 21.00000, 358.00000, 3-21.00000.
IDC 05:23:41.51, 21.1, 36:81N, 141:47E, h0km, mb3.6/6, m1 3.77, m1mx3.6/45, m1mtrp 3.67, M-L3.21, MS3.4/2, m1 3.4/2, m1mx2.6/51, Error ellipse: s-maj=27.0km s-min=22.7km az=65.0
ISJCJB 05:23:41.52, 6.1, 36:87N, 141:54E, h25km, 8km, mb3.6/6, MS3.5/2, Error ellipse: s-maj=11.9km s-min=7.6km az=31.9
JMA 05:23:41.53, 4.0, 1.36:86N, 141:47E, h40km, 1km, M3.9 JMA Felt II J1.
ISC 05:23:41.52, 9.2, 36:92N, 141:47E, h13km, 11km, n23, s=1904/21, mb3.7/6, Near east coast of eastern Honshu

Table with columns: ILAR, Station Name, Az, El, P, Time, Res. Includes stations like Eielson Array, Gorkh, DANN, KOLN, etc.

ISJC/B 05:23:50:57.9:0.6,38:78N:0:03:43:24E:0:06,h15km,5km, Error ellipse: s-maj=7.7km s-min=5.4km az=24.4

CSEM 05:23:50:57.9:0.2,38:78N:0:03:43:26E:h15km,MD2.6, Error ellipse: s-maj=6.1km s-min=4.6km az=114.0

ISK 05:23:50:57.5,38:76N:43:28E,h7km,MD2.6

DDA 05:23:50:58.4,38:73N:43:29E,h7km,MD2.3

ISC 05:23:50:58.5:1.1,38:78N:0:03:43:28E:0:04,h18km,7km,n21,c0588/29,Turkey

Table with columns: Code, Station Name, Az, El, P, Phase ID, Time, Res. Includes stations like VANB, ERVC, etc.

IDC 05:23:52:14.5:75.0,22:71S:177.87E,h0km,mb3.8, mb1 4.0/3,mb1mx3.5/35,mbtmp3.8/3,Error ellipse: s-maj=1328.0km s-min=152.7km az=84.0, South of Fiji Islands

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

ISJC/B 05:23:55:22.8:0.6,51:42N:0:03:16:07E:0:03,h0km,Error ellipse: s-maj=4.3km s-min=2.8km az=8.3

WAR 05:23:55:24.2,51:49N:16:09E,h1km,Mw2.4

CSEM 05:23:55:24.6:0.4,51:43N:16:07E,h2km,ML3.1/13,Error ellipse: s-maj=6.0km s-min=3.3km az=177.0

VIE 05:23:55:26.6:0.7,51:27N:16:16E,h0km,mb2.2,ML2.5/5, Error ellipse: s-maj=4.3km s-min=4.1km az=131.0, Suspected Minor

ISC 05:23:55:25.8:1.0,51:38N:0:05:16:02E:0:02,h0km,n43,c1059/81,Poland

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

Table with columns: GOPC, Station Name, Az, El, P, Phase ID, Time, Res. Includes stations like GO Pecny, Ondr, PRU, etc.

ISC 05:23:57:01.7,38:62N:43:14E,h9km,MD2.6

ISJC/B 05:23:57:02.1:0.5,38:62N:0:03:43:13E:0:04,h14km,6km, Error ellipse: s-maj=5.6km s-min=4.8km az=152.9

CSEM 05:23:57:02.0:0.2,38:61N:43:14E,h10km,MD2.6, Error ellipse: s-maj=4.0km s-min=3.7km az=121.0

DDA 05:23:57:02.3,38:61N:43:15E,h7km,MD2.8

ISC 05:23:57:02.3:0.3,38:62N:0:03:43:17E:0:03,h16km,8km,n24,c0544/35,Turkey

Table with columns: Code, Station Name, Az, El, P, Phase ID, Time, Res. Includes stations like VANB, ERVC, etc.

IDC 06:00:03:11.2:2.3,36:03N:141:97E,h0km,mb3.3/3, mb1 3.4/5,mb1mx3.4/48,mbtmp3.3/5,ML3.3/2, Error ellipse: s-maj=44.3km s-min=26.9km az=54.0

ISJC/B 06:00:03:12.0:1.0,36:14N:0:05:142:04E:0:09,h23km,mb3.3/3, Error ellipse: s-maj=10.3km s-min=7.0km az=165.3

JMA 06:00:03:13.2:0.2,36:15N:142:00E,h70km,4km,ML2.9

ISC 06:00:03:13.7:1.5,36:15N:0:06:142:0E:0:1,h23km,n12,c0594/17,mb3.4/3,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, El, P, Phase ID, Time, Res. Includes stations like CHOU, JHO, etc.

0.1nm,0.7s,baz=22,slow=13,SNR=1.6

CSEM 06:00:05:19.6:0.1,39:12N:29:09E,h2km,ML2.7, Error ellipse: s-maj=2.5km s-min=2.2km az=91.0

ISK 06:00:05:19.2,39:12N:29:10E,h5km,ML2.7

DDA 06:00:05:19.3,39:11N:29:09E,h7km,MD2.9

ISC 06:00:05:19.6:0.9,39:12N:0:02:29:10E:0:02,h9km,6km,n87,c0564/99,Turkey

Table with columns: Code, Station Name, Az, El, P, Phase ID, Time, Res. Includes stations like SIMA, GEDZ, etc.

ISJC/B 06:00:08:31.9:1.0,38:70N:0:04:43:57E:0:09,h27km,5km, Error ellipse: s-maj=12.0km s-min=5.1km az=23.1

CSEM 06:00:08:31.5:0.3,38:72N:43:57E,h19km,MD2.6, Error ellipse: s-maj=9.5km s-min=4.3km az=119.0

ISK 06:00:08:31.7,38:72N:43:51E,h18km,MD2.6

DDA 06:00:08:32.6,38:76N:43:48E,h7km,MD2.8

ISC 06:00:08:32.3:1.1,38:72N:0:03:43:51E:0:04,h19km,2km,n23,c0584/38,Turkey

Table with columns: Code, Station Name, Az, El, P, Phase ID, Time, Res. Includes stations like VANB, ERVC, etc.





Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details for various stations.

Table listing stations with call signs, frequencies, and technical parameters for the 2011 NOV period.

JMA 06 01:03:49.1-0.2,37.57N-144.28E,h43km,M3.5, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual for stations in the JMA region.

ISCJB 06 01:28:17.0-0.3,44.14N-106.66E,0.03,h24km,3km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual for stations in the ISCJB region.

ISC 06 01:28:17.0-0.4,44.16N-106.67E,h18km,M2.6,5, Error ellipse: s-maj=2.1km s-min=1.3km az=166.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual for stations in the ISC region.

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details for various stations.

ISCJB 06 01:34:21.8-0.6,37.72N-144.28E,h43km,M3.5, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual for stations in the ISCJB region.

ISC 06 01:34:21.1,37.71N-144.28E,h43km,M3.5, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual for stations in the ISC region.

Table with columns: Station Name, Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like TVAN, ADCV, ERVC, GEVA, VMUR, etc.

ISC/JB 06 02:12:03.1-0.1, 33.38N-140.42E, h70km, 5km, mb3.8/4, Error ellipse: s-maj=10.0km s-min=5.5km az=15.4

ISC 06 02:12:02.7-2.0, 33.39N-140.44E, h68km, 18km, mb3.4/4, mb1 3.7/5, mb1mx3.3/29, mbtmp3.7/5, MS2.5/2, Ms1 2.6/2,

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like Mitsune, Hachiojima, Kozu shima, Oshima 3, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like Santiaio Chiao, Wu-fen Shan, Suao, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like Muzhuo, Muzhuo, Muzhuo, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like MVM, BAMF, LPMF, etc.

Table with columns: Station Name, Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like DSHT, Scott's Head, Morne-Daniel, etc.

Table with columns: Station Name, Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like DSHT, Scott's Head, Morne-Daniel, etc.

NORC	Norcasia	16.90 238	eP	P	02 39 23.2 +0.2
HELC	Santa Helena	17.10 241	eP	P	02 39 25.5 -0.1
HELC	Santa Helena	17.10 241	ePn	P	02 39 25.7 +0.1
	57nm,0.6s				
GUYC	Guayana, Colomb	17.52 238	eP	P	02 39 30.6 +0.3
TOLC	Tolima	17.83 236	eP	P	02 39 34.0 +0.4
PRAC	Prado	18.03 233	eP	Pn	02 39 35.5 -0.1
PRAC	Prado	18.03 233	eP	P	02 39 35.5 -0.1
BCIP	Isl21nm,0.7s	19.69 255	eP	Pn	02 39 54.6 -0.9
	15m,1.2s				
POPC	Popayan, Colom	20.15 233	eP	P	02 39 58.3 -0.5
CRUC	La Cruz	20.98 232	eP	P	02 40 09.1 +1.1
GRGC	Isla de Gorgon	21.05 237	eP	P	02 40 08.5 +0.1
TUMC	Tumaco	22.20 235	eP	P	02 40 19.6 -1.1
	190nm,0.9s				
OTAV	Otavallo	22.98 232	eP	P	02 40 27.8 -1.6
OTAV	Otavallo	22.98 232	eP	P	02 40 27.8 -1.6
	11nm,0.8s				
SAML	Samués	23.98 186	eP	P	02 40 38.2 -0.1
	11m,0.7s				
JTS	JuntasAbangare	24.22 262	eP	P	02 40 39.7 -0.9
JTS	JuntasAbangare	24.22 262	eP	Pmax	02 40 39.7 -0.9
JTS	comp=Z,1.0nm,0.7s				
JTS	comp=Z,1.2nm,0.7s				
ATAH	Atahualpa	28.23 220	P	P	02 41 18.3 +1.0
	comp=Z,3.0nm,0.5s,baz=50,slow=7.9,SNR=3.4				
YLE	Yale	28.28 340	eP	P	02 41 17.3 +0.4
	comp=Z,26nm,0.9s				
248A	Dixon Mills	29.98 309	P	P	02 41 32.5 +0.3
	baz=118				
HNH	Hanover	30.26 343	eP	P	02 41 32.2 -2.2
	comp=Z,23nm,1.4s				
347A	Saraland	30.28 307	P	P	02 41 35.5 +0.7
	baz=116				
SWET	Sewanee	30.33 316	eP	P	02 41 31.9 -3.4
	comp=Z,65nm,2.0s				
CCIG	Comitan	30.38 277	eP	P	02 41 35.9 -0.1
	comp=Z,20nm,0.6s				
Z48A	Northport	30.47 312	P	P	02 41 37.1 +0.6
	baz=120				
247A	Quitman	30.62 308	P	P	02 41 38.4 +0.6
	baz=117				
147A	Livingston	30.66 310	P	P	02 41 38.7 +0.6
	baz=118				
Z47A	Carrollton	30.76 311	P	P	02 41 39.6 +0.6
	baz=119				
N54A	Moraine State	30.83 331	P	P	02 41 40.6 +1.0
	baz=141				
Y47A	UCPARC, Winfie	30.95 312	P	P	02 41 41.1 +0.4
	baz=121				
NNA	Nana	31.31 212	eP	P	02 41 43.1 -1.0
NNA	Nana	31.31 212	eP	Pmax	02 41 43.1 -1.0
	comp=Z,29nm,0.7s				
NNA	Nana	31.31 212	eP	P	02 41 43.1 -1.0
	comp=Z,29nm,0.7s				
Z46A	Louisville	31.40 310	P	P	02 41 45.4 +0.8
	baz=118				
Y46A	Houston	31.67 311	P	P	02 41 47.4 +0.4
	baz=119				
PLAL	Pickwick Lake	31.67 314	eP	P	02 41 47.8 +0.8
	comp=Z,11nm,0.8s				
145A	Houston Renfro	31.87 308	P	P	02 41 49.2 +0.4
	baz=116				
LPAZ	La Paz	32.01 194	P	P	02 41 50.9 0.0
	comp=Z,9.9nm,0.8s,baz=7.1,slow=6.4,SNR=18				
LPAZ	La Paz	32.01 194	P	LR	02 41 50.9 0.0
	comp=Z,26nm,21.1s,baz=36,slow=39				
LPAZ	La Paz	32.01 194	eP	P	02 41 50.4 -0.4
	comp=Z,8.2nm,0.8s				
Z45A	Winona	32.03 310	P	P	02 41 51.0 +0.8
	baz=118				
Y45A	Yeager Farm, C	32.16 311	P	P	02 41 52.2 +0.9
	baz=118				
244A	Avery, Jackson	32.20 307	P	P	02 41 52.4 +0.7
	baz=115				
Y44A	UM Field Stati	32.32 312	P	P	02 41 53.1 +0.4
	baz=120				
X45A	Strider, Charl	32.69 311	P	P	02 41 56.4 +0.4
	baz=118				
U45A	Rockin P Farm,	32.87 315	P	P	02 41 57.8 +0.3
	baz=123				
BDFB	Brasilila	32.93 157	P	P	02 41 55.6 -2.7
	comp=Z,2.5nm,0.6s,baz=143,slow=4.1,SNR=3.2				
CMIG	Matias Romero	32.99 278	P	P	02 41 56.2 -2.6
	comp=Z,1.1nm,0.4s,baz=81,slow=5.1,SNR=5.5				
143A	Socs Landing,	33.03 308	P	P	02 41 59.3 +0.4
	baz=115				
S45A	Carrier Mills	33.49 318	P	P	02 42 03.1 +0.2
	baz=125				
SADO	Sadowa	33.54 336	P	P	02 42 03.1 -0.1
	comp=Z,2.7nm,0.5s,baz=133,slow=10.0,SNR=3.7				
P46A	Rosedale	33.79 322	P	P	02 42 06.4 +0.9
	baz=129				
Y42A	Garnett, Star	33.81 309	P	P	02 42 06.5 +0.8
	baz=116				
341A	Kurthwood	33.88 304	P	P	02 42 07.1 +0.7
	baz=111				
S44A	Carbondale	33.94 317	P	P	02 42 07.3 +0.5
	baz=124				
N46A	Monticello	34.33 324	P	P	02 42 11.0 +0.8
	baz=131				
V42A	Cord	34.42 313	P	P	02 42 11.1 +0.1
	baz=119,SNR=12				
Y41A	Eaglette Beard	34.44 309	P	P	02 42 11.7 +0.5
	baz=115				
Q44A	Meyer Farm, Va	34.48 319	P	P	02 42 11.8 +0.4
	baz=126				
340A	Bronson	34.49 304	P	P	02 42 11.9 +0.3
	baz=110				
P44A	Sand Creek, Wi	34.56 320	P	P	02 42 12.6 +0.4
	baz=127				
U43A	Reviden	34.58 314	P	P	02 42 12.5 +0.2
	baz=128				
R42A	Red Bud	34.71 317	P	P	02 42 13.7 +0.3
	baz=124				
W41B	Gary Mavity, V	34.74 311	P	P	02 42 14.0 +0.2
	baz=111				
X40A	Basin Creek Fa	34.87 310	P	P	02 42 15.3 +0.4
	baz=116				
FVM	French Village	34.88 317	eP	Pmax	02 42 15.2 +0.3
FVM	French Village	34.88 317	eP	Pmax	02 42 15.2 +0.3
	comp=Z,7.0nm,0.8s				
FVM	French Village	34.88 317	eP	P	02 42 15.2 +0.3
	comp=Z,6.8nm,0.8s				
Q43A	New Douglas	34.93 319	P	P	02 42 15.8 +0.4
	baz=125				
Y41A	Mountainview	34.96 312	P	P	02 42 15.6 -0.1
	baz=118,SNR=6.7				
Y40A	Okolona	35.00 309	P	P	02 42 16.1 +0.1
	baz=115				
S42A	Caledonia	35.01 316	P	P	02 42 15.8 -0.3
	baz=122				
U41A	Viola	35.06 313	P	P	02 42 16.6 0.0
	baz=119,SNR=13				
R42A	Skaggs, Pawnee	35.23 320	P	P	02 42 18.4 +0.5
	baz=126				
P43A	Luebbering	35.28 317	P	P	02 42 18.4 0.0
	baz=123,SNR=6.3				
T41A	Mountain View	35.29 314	P	P	02 42 18.4 -0.1
	baz=120,SNR=8.4				
139A	Bunkhouse Ranc	35.34 306	P	P	02 42 18.8 -0.2
	baz=112				
W40A	Ferguson Farm,	35.35 311	P	P	02 42 19.3 +0.3
	baz=116				
V40A	Witts Springs	35.45 312	P	P	02 42 19.5 -0.5
	baz=117,SNR=6.1				
CCM	Cathedral Cave	35.46 316	eP	Pmax	02 42 19.3 -0.6
CCM	Cathedral Cave	35.46 316	eP	Pmax	02 42 19.3 -0.6
	comp=Z,5.0nm,0.6s				
CCM	Cathedral Cave	35.46 316	eP	P	02 42 19.3 -0.6
	comp=Z,4.6nm,0.6s				
S41A	Jillico Farms,	35.55 315	P	P	02 42 20.2 -0.6
	baz=121,SNR=11				
Y39A	Lockesburg	35.59 308	P	P	02 42 21.2 0.0
	baz=114				
HKT	Hockley	35.61 301	iP	Pmax	02 42 21.0 -0.2
HKT	Hockley	35.61 301	iP	Pmax	02 42 21.0 -0.2
	comp=Z,13nm,0.9s				
HDIL	Hopedale	35.63 321	P	P	02 42 21.9 +0.6
	baz=127				
Z38A	Jacksonville	35.67 304	P	P	02 42 22.3 +0.5
	baz=110				
R41A	Rosebud	35.68 316	P	P	02 42 22.2 +0.3
	baz=122				
P42A	Winchester	35.71 319	P	P	02 42 22.3 +0.2
	baz=125				

U40A	Yellville	35.73 312	P	P	02 42 22.0 -0.3
	baz=118				
X39A	Fountain Ranch	35.84 309	P	P	02 42 24.0 +0.7
	baz=114				
T40A	Masfield	35.87 314	P	P	02 42 23.3 -0.2
	baz=119,SNR=5.0				
637A	Eagle Lake	35.88 300	P	P	02 42 24.1 +0.4
	baz=106				
W39A	Magazine	35.88 310	P	P	02 42 24.0 +0.4
	baz=106				
Q41A	Truxton	35.93 317	P	P	02 42 23.6 -0.3
	baz=123				
V39A	Pettigrew	36.06 311	P	P	02 42 25.2 0.0
	baz=116,SNR=19				
Y38A	Idabel	36.07 308	P	P	02 42 26.2 +1.0
	baz=113				
S40A	Lebanon	36.08 315	P	P	02 42 25.2 0.0
	baz=120				
U39A	Green Forest	36.19 312	P	P	02 42 26.0 -0.2
	baz=117,SNR=7.4				
P41A	Barry, Barry	36.22 319	P	P	02 42 26.5 +0.1
	baz=124				
N42A	Yates City	36.24 321	P	P	02 42 26.8 +0.2
	baz=127				
R40A	Maddies Statio	36.27 316	P	P	02 42 26.9 0.0
	baz=121				
W38A	Poteau	36.37 309	P	P	02 42 28.2 +0.4
	baz=110				
736A	Circle Diamond	36.38 299	P	P	02 42 28.4 +0.6
	baz=104				
137A	Heron Place, G	36.38 305	P	P	02 42 28.6 +0.6
	baz=110				
T39A	Clever	36.41 313	P	P	02 42 28.1 0.0
	baz=118				
X38A	Whitesboro	36.44 309	P	P	02 42 28.6 +0.2
	baz=110				
636A	Smothers Creek	36.50 299	P	P	02 42 29.2 +0.2
	baz=105				
Q40A	Laux Farm, Aux	36.51 317	P	P	02 42 28.8 -0.1
	baz=122				
V38A	Canellih	36.63 311	P	P	02 42 29.9 -0.1
	baz=116				
S36A	Bastrop	36.67 300	P	P	02 42 30.0 -0.4
	baz=106				
S39A	Bolivar	36.69 314	P	P	02 42 30.3 -0.2
	baz=119				
P40A	Paris	36.78 318	P	P	02 42 31.2 0.0
	baz=123				
Y37A	Hugo	36.78 307	P	P	02 42 31.2 0.0
	baz=112				
R39A	Chumby, Stover	36.80 315	P	P	02 42 31.2 -0.3
	baz=120,SNR=8.9				
U38A	Gravette	36.86 312	P	P	02 42 31.5 -0.5
	baz=116				
M41A	Milan	36.88 321	P	P	02 42 31.8 -0.2
	baz=126				
Q40A	La Belle	36.99 319	P	P	02 42 32.6 -0.3
	baz=124				
T38A	Diamond	37.06 313	P	P	02 42 33.4 -0.3
	baz=117				
S38A	Stockton	37.07 314	P	P	02 42 33.5 -0.3
	baz=118				
W37B	Quinton	37.08 309	P	P	02 42 33.8 -0.1
	baz=114				
V37A	Hulbert	37.17 310	P	P	02 42 34.2 -0.4
	baz=115,SNR=9.4				
L41A	Preston	37.27 322	P	P	02 42 35.6 +0.3
	baz=127				
934A	Benavides	37.32 296	P	P	02 42 35





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

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

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

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

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

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

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







Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ONAJ Marumori, JFT Hitachi, JIO Ouri, etc.

Table with columns: PTK, PTK, PTK, etc. Includes stations like Pertek, PTK, PTK, etc.

Table with columns: Y35A, Y35A, Y35A, etc. Includes stations like Marietta, Y35A, Y35A, etc.

ISC/B 06:03:50.6:1.0,36:1N:0.1:1.71:4E:0.2,h100km,mb3.2/3, Error ellipse: s-maj=21.4km s-min=14.5km az=171.6

IDC 06:03:53.0:2.0,4,35:53N:96:75W,h0km,mb4.8/31, mb1 5.0/40,mb1mx4.9/52,mbtmp4.9/40,ML4.7/8,MS5.5/44, MS1 5.5/44,ms1mx5.5/44, Error ellipse: s-maj=9.1km s-min=5.2km az=127.0

Table with columns: Y38A, Y38A, Y38A, etc. Includes stations like Poteau, Y38A, Y38A, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DZET Dzerhino, MNAS Manas, AAK Ala-Archa, etc.

NEIC 06:03:53.0:2.0,1,35:54N:96:38W,h11km, Moment Tensor Solution. s41 Moment tensor: Scale 10^17Nm; Mr:0.03; Mw:3.19; Mw:3.22; Ms:0.01; Ms:1.74; Ms:0.73; Best double couple: Ms3.70000x10^17 NP1:329.00000, lambda-174.00000. Principal axes: T 3.6400, Plg2.0000, Azm14.0000; N 0.1500, Plg9.0000, Azm118.0000; P -3.7900, Plg10.0000, Azm283.0000

Table with columns: Y39A, Y39A, Y39A, etc. Includes stations like Pettigrew, Y39A, Y39A, etc.

ISN 06:03:30.39:3.1,1,38:76N:43:47E,h0km,ML3.9 AZER 06:03:52.1:5.1,38:14N:43:32E,h4km, Error ellipse: s-maj=59.5km s-min=35.1km az=105.0

MOS 06:03:53.1:3.1,6,35:55N:01:01:96:76W,0.02,h8km,2km, n949, e199/986,mb5.2/175,MS7/202,23C-1D, Oklahoma

Table with columns: Y40A, Y40A, Y40A, etc. Includes stations like Okolona, Y40A, Y40A, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like VANB Van, ERVC ERVCIS-VAN, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like V35A Meyer Ranch, C, V35A Meyer Ranch, C, etc.

Table with columns: Y41A, Y41A, Y41A, etc. Includes stations like Washetta, Y41A, Y41A, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other details. Includes stations like U41A, 239A, P35A, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other details. Includes stations like RSSD, PVO9, K22A, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other details. Includes stations like GLA, IP04, IP07, etc.

6d 3h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like CMIG Matias Romero, J08A Circle Bar Ran, W08A Wateron Lakes, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like E03A Lebam, PKME Peaks-Kenny PK, PKME Peaks-Kenny PK, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like ILAR comp=Z,1.4nm,0.7s, comp=Z,2.6um,21.2s, etc.







Table with columns: Station Name, Frequency, Mode, Power, etc. Includes stations like WMQ, AAK, HOPE, GUMO, LZH, HNR, YAN, TATO, ENH, YHNB, CD2, RAYN, SNZO, GYA, LSA, PMG, KMI, QIZ, MBAR, TSMU, DAV, VNA3, CTAO, CHTO, CM01, QSPA, SBA, LSZ, CAN, KKM, SUR, TAU, WRAB, WRAB, WRA, KAPI, ASAR, KSM, KULM, MSEY, ABPO, MBWA, MBWA.

Table with columns: Station Name, Frequency, Mode, Power, etc. Includes stations like MAW, NWAOW, RER, COCO, IDC, CTA, STKA, ASAR, WRA, BJI, ISCJB, NEIC, ISC, MSVF, AFI, FUNA, DZM, RAR, OUZ, MXZ, TARA, URZ, HNR, BFZ, SNZO, THZ, KHZ, LTZ, OXZ, MOZ, RPZ, RPZ, PPT, FOF, PPTF, LBZ, WKZ, EIDS, KWAJ, MLZ, ARMA, WHZ, CAN, PMG, PMG, COEN, STKA, STKA, BBOO, WB2, WRAB, WRA, WRA, ASO1, AS31, ASAR, ASAR, ASAR.

Table with columns: Station Name, Frequency, Mode, Power, etc. Includes stations like ASAR, GUMO, MTN, MTN, FORT, FORT, FAKI, FITZ, SOEI, MBWA, LUWI, SBA, VNA, VNA, MJAR, MAJO, MAT, GSP, PETK, MIR, MWC, NJ2, NJ2, CMB, MDJ, MDJ, ORV, BEKR, PNTR, YERR, PAHR, MOD, IPM, PMR, SCM, TRF, BESE, HARP, RND, MAW, MCK, GYA, GYA, GYA, GYA, DOT, CCB, NEW, MDM, COLA, IL1, IL1, ILAR, ILAR, ILB, XAN, XAN, XAN, TXAR, HHC, HHC, HHC, COLD, PDAR, CMAR, CMAR, CD2, PHWY, SYO, SYO, LZH, LZH, LZH, LZH, INK, PLCA, PLCA, SONM, YKA, LPAZ, MKAR, SAML, KURK, KSH, KSH, AAK, AAK, AAK, BVAR, BVAR.





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Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Pettigrew, Fort Scott, Lookaurog, Isabella Hill, Emporia Muncia, Mount Ida, etc.

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Caledonia, Muff Farm, Greenville, Paris, Luebbering, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Serang, Tangerang, Dragama, Cibinong, etc.

MAN 06 04:33:38, 8.70N, 127.19E, h88km, mb4.5, ML3.3, MS3.2, ID, Philippine Islands region

ISCJB 06 04:41:56.2, 0.2, 6.23S, 106.20E, h169km, 1km, mb4.9/154, Error ellipse: s-maj=4.3km s-min=2.4km az=34.6

DJA 06 04:41:56.8, 0.1, 6.5S, 106.10E, h154km, 1km, M5.1/64, mb5.3/64, mb5.5/46, MLV5.4/26, Mw(Mb)5.0/46

KLM 06 04:41:56.0, 6.55S, 106.10E, h186km, mb5.1

NEIC 06 04:41:57.1, 0.3, 6.13S, 106.30E, h164km, 2km, mb5.2/62, Error ellipse: s-maj=5.1km s-min=3.0km az=225.0

NEIC 06 04:41:57.2, 0.3, 6.23S, 106.29E, 0.03, h166km, 2km, h166km, p-P, n93, r:124/112, mb4.9/160, 50C-36, Jawa

Code Station Name Az A2Z Phase ID ISC Time Res h m s ISC

SBJI Serang 0.19 305 Op P Sn 04 42 19.7 +3.0

TNG Tangerang 0.36 81 P S Sn 04 42 19.7 -0.1

DBJI Dragama 0.56 125 P S Sn 04 42 19.0 -1.7

CGJI Cibinong 0.70 237 P S Sn 04 42 19.0 -2.4

SKJI Sukabumi 0.82 161 P S Sn 04 42 19.0 -2.4

BLSI Bandung Lampung 1.34 310 P S Sn 04 42 26.3 -0.2

BNLSI Cibinong 1.36 142 P S Sn 04 42 23.7 +0.5

CISI Cisempet, Garu 2.01 131 P Pn 04 42 30.3 -3.2

CISI Cisempet, Garu 2.01 131 ePn Pn 04 42 31.9 -1.6

KLSI 2.18 315 P S Sn 04 42 59.2 -2.3

LWLI Liwa 2.52 298 P S Sn 04 43 07.1 +2.5

MDSI Maura Dua 2.72 309 P Pn 04 42 41.6 -0.2

PMBSI Palembang 3.61 335 P Pn 04 42 54.2 +1.3

LHSI Lahat 3.64 311 P Pn 04 42 52.9 -0.4

SMRI Sumbang 4.21 101 P Pn 04 42 59.4 +3.9

SMRI Semarang 4.21 101 ePn Sn 04 43 50.7 +0.7

SMRI Semarang 4.21 101 ePn Sn 04 43 50.7 +0.7

XMISi Christmas Isla 4.27 188 ePn Pn 04 42 56.3 -5.1

UGM Wanaagama 4.53 112 ePn Sn 04 43 01.8 -1.0

UGM Wanaagama 4.53 112 ePn Sn 04 43 04.6 -0.2

UGM Wanaagama 4.53 112 ePn Sn 04 43 04.7 0.0

UMSI Ujung Watan 4.64 93 P Pn 04 43 05.5 -0.7

MJAI Maura Aman, Be 5.07 307 P Pn 04 43 12.9 +1.1

JMBI Jumi, 1.0s, 2.3um, 8.0mm 5.27 330 P Pn 04 43 17.4 +2.9

DSRI Dabo 5.96 343 P Pn 04 43 25.2 +1.6

PBKI Pangkalan Bun 6.41 57 P Pn 04 43 32.2 +2.7

PPSI Pulau Pagai 7.14 299 P Pn 04 43 40.2 +1.0

TPRI Tanjung Pinang 7.32 346 P Pn 04 43 43.3 +1.8

KMMI Kailang 7.67 97 P Pn 04 43 47.1 +0.8

JAGI Jajag, Banyuw 8.11 106 P Pn 04 43 51.6 -0.5

JAGI Jajag, Banyuw 8.11 106 ePn Sn 04 43 50.9 -1.2

JAGI Jajag, Banyuw 8.11 106 ePn Sn 04 43 50.9 -1.2

STKI Sintang 8.12 40 P Pn 04 43 55.4 +3.2

MYKOM Kota Tinggi 8.33 343 ePn Pn 04 43 56.5 +1.5

MYKOM Kota Tinggi 8.33 343 ePn Pn 04 43 56.5 +1.5

BKNI Bangkinang 8.36 321 P Pn 04 43 55.9 +0.6

KSM Kuching 8.64 28 ePn Pn 04 44 00.8 +1.6

SISI Saibi 8.68 304 P Pn 04 44 04.5 -3.9

BKNI Bangkinang 8.36 321 ePn Pn 04 43 55.9 +0.6

KSM Kuching 8.64 28 ePn Pn 04 44 00.8 +1.6

SISI Saibi 8.68 304 P Pn 04 44 04.5 -3.9

KGM Kluang 8.71 340 ePn Pn 04 44 01.7 +1.7

SRBI Singaraja 9.05 102 P Pn 04 44 04.5 0.0

IGBI 9.15 107 P Pn 04 44 04.1 -1.7

DNP Denpasar 9.18 106 P Pn 04 44 05.1 -1.1

MTKI Muara Tewe, K 10.07 59 P Pn 04 44 19.5 +1.5

SBUM Sibul 10.46 35 ePn Pn 04 44 26.6 +3.5

SBUM Sibul 10.46 35 ePn Pn 04 44 26.6 +3.5

FRIM Kepong 10.49 334 ePn Pn 04 44 25.1 +1.6

TWSI Taliwang, Sumb 10.80 104 P Pn 04 44 25.3 -2.2

COCO West Island 13.07 37 eP Pn 04 44 31.6 +0.9

COCO comp=Z, 646nm, 0.6s 11.05 237 eP Pn 04 44 31.6 +0.9

COCO comp=Z, 646nm, 0.6s 11.05 237 eP Pn 04 44 31.6 +0.9

COCO Bintulu 11.57 36 eP Pn 04 44 41.3 -3.1

PSI Prapat 11.60 320 eP Pn 04 44 34.8 -3.4

PLAI Plampang 11.68 103 P Pn 04 44 34.6 -3.9

PLAI Plampang 11.68 103 P Pn 04 44 35.6 -3.4

IPM Ipo 11.86 334 ePn Pn 04 44 42.3 +1.6

IPM Ipo 11.86 334 ePn Pn 04 44 42.3 +1.6

KTN Kating Trenggan 11.90 345 eP Pn 04 44 45.4 +2.6

KULM Kulim 12.75 334 eP Pn 04 44 52.9 +0.1

KULM Kulim 12.75 334 eP Pn 04 44 53.0 +0.3

KCSI Kotacane, Aceh 12.89 319 P Pn 04 44 51.8 -2.7

TPTI 13.10 313 P Pn 04 44 53.9 -3.3

KAPI Kappang 13.46 86 ePn Pn 04 45 01.4 -0.3

KAPI Kappang 13.46 86 P Pn 04 45 02.4 +0.7

KAPI Kappang 13.46 86 P Pn 04 45 02.4 +0.7

SPSI Sidrap Palu 13.62 81 P Pn 04 45 04.2 +0.4

TTSI Tana Toraja 13.85 77 P Pn 04 45 09.0 -0.7

BNSI Bone 13.88 83 P Pn 04 45 08.8 -1.2

BSSI Bau Bau, Buton 14.12 90 P Pn 04 45 12.5 -0.2

WAI Waingapu 14.29 105 P Pn 04 45 14.9 +0.3

PCI Palu 14.52 69 P Pn 04 45 17.6 +0.5

BASI Baing Sumba 14.69 67 P Pn 04 45 21.3 +2.3

MPSI Mapaga 15.07 65 P Pn 04 45 24.8 +1.6

TRTT Trang 15.44 335 P Pn 04 45 27.7 +0.4

EDFI Ende, Flores 15.48 100 P Pn 04 45 24.3 -2.7

KKM Kota Kinabalu 15.71 39 ePn Pn 04 45 31.6 +1.2

MMRI Maure 16.00 100 P Pn 04 45 31.9 -1.4

MMRI Maure 16.00 100 ePn Pn 04 45 30.9 -2.4

MMRI Maure 16.00 100 ePn Pn 04 45 30.9 -2.4

MMRI Maure 16.00 100 ePn Pn 04 45 30.9 -2.4

MMRI Maure 16.00 100 ePn Pn 04 45 30.9 -2.4

MMRI Maure 16.00 100 ePn Pn 04 45 30.9 -2.4

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MMRI Maure 16.00 100 ePn Pn 04 45 30.9 -2.4

MMRI Maure 16.00 100 ePn Pn 04 45 30.9 -2.4





Table with columns: ID, Name, Date, Time, Status, and other details. Includes entries like SNA4 Sanae, DRGR Kalwaria Pacla, SUW Suwalki, etc.

Table with columns: ID, Name, Date, Time, Status, and other details. Includes entries like 003D Paynes Creek, MOD Modoc Plateau, BSMT Bassoo Peak, etc.

Table with columns: ID, Name, Date, Time, Status, and other details. Includes entries like D35A Remer, C37A Embarrass, EYMN Embarrass, etc.



6d 4h

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Peaks-Kenny Pk, Cornudas Mount, Prairie Point, etc.

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Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Fulton Ridge, Durant, Poteau, etc.

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Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Benavides, Huntling, Beville, etc.

ISCJB 06:04:53:58.6:0.5:35:54N:0:01:96:74W:0:02:h11kmz,3km,
Error ellipse: s-maj=2.9km s-min=2.3km az=13.9
NEIC 06:04:53:59.0:0.0:35:55N:96:75W,h5km,ML3.3(TUL),
After TUL
ISC 06:04:53:59.0:0.9:35:55N:0:02:96:78W:0:02:h11kmz,7km,
n98,c138/137,Oklahoma





Table with columns: ELAN, Lanestosa, SNR=7.9, 7.65, 11, Pn, Pn, 05 47 00.5+2.7, etc.

ISK 06 06:13:27.4, 38.64N, 43.13E, h14km, ML2.0
DDA 06 06:13:28.8, 38.62N, 43.14E, h7km, Md2.6
CSEM 06 06:13:28.3, 0.3, 38.66N, 43.13E, h10km, ML2.0, Error ellipse: s-maj=6.2km s-min=4.3km az=163.0

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

KRNET 06 06:16:08.1, 0.1, 39.05N, 74.34E, mb3.1
NNC 06 06:16:14.1, 2.9, 39.05N, 74.48E, h0km, mb3.6, mpv3.3, Error ellipse: s-maj=26.0km s-min=16.3km az=123.0

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

Table with columns: AAK, Ala-Archa, 2.0nm, 0.4s, 3.08, 1, Pn, Pn, 06 17 02.4 -2.3, etc.

GUC 06 06:18:55.5, 0.5, 22.226S, 67.92W, h206km, 6km, ML4.1
IDC 06 06:18:57.8, 7.5, 22.11S, 67.19W, h182km, 62km, mb3.8/1, mb1 3.4/3, mb1mx3.1/22, mbtmp4.0/3, Error ellipse: s-maj=72.7km s-min=38.9km az=13.0

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

CSEM 06 06:21:58.3, 0.3, 38.62N, 43.20E, h10km, MD2.5, Error ellipse: s-maj=6.9km s-min=6.3km az=61.0

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

SOME 06 06:29:35.5, 44.65N, 82.13E, h10km
NNC 06 06:29:37.0, 5.4, 44.77N, 82.06E, h0km, mb3.1, mpv2.6, Error ellipse: s-maj=8.2km s-min=11.3km az=118.0

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

Table with columns: MDOK, 1.4nm, 0.5s, eS, Sb, 06 31 40.8 +3.7

IDC 06 06:31:10.7, 1.1, 35.64N, 96.84W, h0km, mb1 3.8/5, mb1mx3.5/34, mbtmp3.5/5, ML3.4/5, Error ellipse: s-maj=17.1km s-min=12.7km az=148.0

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

6d 6h

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W40A Ferguson Farm, Stockton	3.08 95 ePn	Pn	06 32 01.1 +1.1
T39A Cleve	3.17 60 P	Pn	06 32 01.9 +0.6
138A Matatal Enter	3.17 153 P	Pn	06 32 01.1 -0.1
R37A Teagarden Farm	3.23 29 P	Pn	06 32 02.5 +0.4
V40A Witts Springs	3.27 83 P	Pn	06 32 02.9 +0.0
Y40A Okolona	3.27 116 P	Pn	06 32 02.4 -0.1
U40A Yellville	3.33 74 P	Pn	06 32 03.8 +0.4
Q35A Mercer Eighty,	3.41 10 P	Pn	06 32 04.6 +0.1
Q34A Chapman	3.42 358 P	Pn	06 32 04.5 -0.1
X40A Basin Creek Fa	3.43 106 P	Pn	06 32 05.1 +0.4
236A Katherine and	3.50 176 P	Pn	06 32 05.1 -0.5
WHTX Lake Whitney,	3.54 189 P	Pn	06 32 05.8 -0.4
WHTX Lake Whitney,	3.54 189 ePn	Pn	06 32 07.0 +0.8
WLAR White Oak Lake	3.55 116 ePn	Pn	06 32 06.9 +0.5
R38A Fenwick Farm,	3.55 94 P	Pn	06 32 07.0 +0.4
S39A Bolivar	3.57 51 P	Pn	06 32 07.3 +0.7
237A Washetta, Mont	3.59 166 P	Pn	06 32 06.5 -0.4
KSU1 Kansas State U	3.60 3 P	Pn	06 32 06.9 -0.2
KSU1 Kansas State U	3.60 3 ePn	Pn	06 32 05.0 -2.1
Z40A Long Farm, Mag	3.61 127 P	Sb	06 33 03.2 +4.4
Q36A Arnold C, Orve	3.62 17 P	Pn	06 32 07.7 +0.3
X41A Kaden, Bauxite	3.68 105 P	Pn	06 32 08.4 +0.3
ABTX Abilene, Hawle	3.70 220 P	Pn	06 32 08.2 -0.3
ABTX Abilene, Hawle	3.70 220 ePn	Pn	06 32 09.0 +0.5
WHAR Woolly Hollow	3.71 92 ePn	Pn	06 32 09.4 +0.8
UALR University of	3.74 100 ePn	Pn	06 32 09.7 +0.7
W41B Gary Mavity, V	3.75 94 P	Pn	06 32 09.7 +0.5
238A Jacksonville	3.76 157 P	Pn	06 32 09.3 0.0
V41A Mountainview	3.81 84 P	Pn	06 32 10.2 +0.2
T40A Mansfield	3.85 63 P	Pn	06 32 11.4 +1.0
Q37A Longview Farm,	3.87 29 P	Pn	06 32 11.0 +0.3
140A Carn and Jess,	3.92 136 P	Pn	06 32 12.0 +0.5
239A Gary	3.99 150 P	Pn	06 32 11.8 -0.6
Z41A Richland Creek	4.00 123 P	Pn	06 32 12.7 0.0
P34A Walnut Farm, R	4.04 360 P	Pn	06 32 13.5 +0.3
CBKS Cedar Bluff	4.05 326 P	Pn	06 32 12.7 -0.5
CBKS Cedar Bluff	4.05 326 ePn	Pn	06 32 12.8 -0.5
CBKS Cedar Bluff	4.05 326 eSg	Pn	06 33 17.8 -2.4
S40A Lebanon	4.06 58 P	Pn	06 32 14.2 +0.8
U41A Viola	4.07 77 P	Pn	06 32 13.8 +0.3
P35A Duane Minner,	4.07 9 P	Pn	06 32 13.5 -0.1
336A Riesel	4.10 180 P	Pn	06 32 14.1 +0.2
R39A Chumby, Stover	4.13 46 P	Pn	06 32 14.7 +0.3
NATX Nacogdoches	4.14 154 ePn	Pn	06 32 16.6 +2.0
Q38A Cooks Store, C	4.30 36 P	Pg	06 32 27.8 -1.8
P36A Good Intent, A	4.31 17 P	Pn	06 32 17.0 +0.1
338A Crockett	4.32 163 P	Pn	06 32 17.0 0.0
X42A Stuttgart	4.37 101 P	Pn	06 32 18.3 +0.7
T41A Mountain View	4.37 68 P	Pn	06 32 18.2 +0.5
V42A Cord	4.43 84 P	Pn	06 32 18.4 -0.2
CCAR Cane Creek	4.45 109 ePn	Pn	06 32 19.5 +0.8
Y42A Garnett, Star	4.47 110 P	Pn	06 32 19.2 +0.2
P37A Lathrop	4.53 25 P	Pn	06 32 19.8 0.0
S41A Jilco Farms,	4.59 61 P	Pn	06 32 21.3 +0.7
R40A Maddies Statio	4.59 51 P	Pn	06 32 21.1 +0.4
Z42A Norrel Spur, H	4.60 117 P	Pn	06 32 20.8 0.0
O33A Hebron	4.61 353 P	Pn	06 32 21.0 0.0
U42A Revenden	4.61 78 P	Pn	06 32 20.8 -0.2
O34A Beatrice	4.68 1 P	Pn	06 32 21.7 -0.2
Q39A Willow Grove F	4.68 40 P	Pn	06 32 22.1 +0.1
435B Jarrell	4.75 188 P	Pn	06 32 23.1 +0.2
340A Bronson	4.75 148 P	Pn	06 32 23.4 +0.5
O35A Humboldt	4.81 8 P	Pn	06 32 24.1 +0.4
O36A Bolckow	4.85 17 P	Pn	06 32 24.5 +0.2
P38A Dawn	4.88 31 P	Pn	06 32 25.1 +0.5
X43A Marvell	4.97 100 P	Pn	06 32 26.9 +0.9
439A Center Grove,	5.00 159 P	Pn	06 32 26.7 +0.5
HBAR Harrisburg	5.03 88 ePn	Pn	06 32 27.2 +0.5
O37A Wolfen Farm, M	5.12 24 P	Pn	06 32 27.9 0.0
V43A Jonesboro	5.12 85 P	Pn	06 32 28.1 +0.1
P39B Salsibey	5.13 38 P	Pn	06 32 28.4 +0.3
MSTX Muleshoe	5.13 254 P	Pn	06 32 27.6 -0.7
MSTX Muleshoe	5.13 254 ePn	Pn	06 32 27.5 -0.7
MSTX Muleshoe	5.13 254 eSg	Pn	06 33 50.0 -5.0
Z43A Armstrong Fami	5.15 115 P	Pn	06 32 28.9 +0.6
Q40A Laux Farm, Auc	5.15 46 P	Pn	06 32 29.3 +0.9
CCM Cathedral Cave	5.15 59 ePn	Pn	06 32 28.4 0.0
341A Kurthwood	5.16 143 P	Pn	06 32 29.0 +0.6
R41A Rosebud	5.18 56 P	Pn	06 32 29.2 +0.4
Z42A Grayson	5.18 130 P	Pn	06 32 29.1 +0.3
U43A Rector	5.28 79 P	Pn	06 32 30.1 0.0
143A Soes Landing,	5.29 120 P	Pn	06 32 30.4 +0.1
O38A Galt	5.32 29 P	Pn	06 32 31.4 +0.6
PBMO Poplar Bluff	5.33 74 ePn	Pn	06 32 31.0 +0.2
N34A Lincoln	5.34 3 P	Pn	06 32 30.9 -0.1
S42A Caledonia	5.35 63 P	Pn	06 32 31.5 +0.3
536A Bastrop	5.41 182 ePn	Pb	06 32 48.5 +3.0
N35A Tabor	5.43 9 P	Pn	06 32 32.4 +0.1
N36A Muff Farm, Cia	5.51 15 P	Pn	06 32 33.6 +0.3
T43A Greenville	5.51 71 P	Pn	06 32 33.9 +0.6

P40A Paris	5.53 42 P	Pn	06 32 34.6 +1.0
GNAR Goshell	5.55 83 ePn	Pn	06 32 34.0 +0.1
SFTN Forest	5.56 89 ePn	Pg	06 32 33.7 -2.9
X44A Crenshaw	5.57 98 P	Pn	06 32 35.2 +1.1
R42A Luebbering	5.57 58 P	Pn	06 32 35.0 +0.8
HKT Hockley	5.59 171 ePn	Pn	06 32 35.0 +0.6
HKT Hockley	5.59 171 ePn	Pg	06 33 01.6 +4.3
JCT Junction City	5.60 207 P	Pn	06 32 33.8 -0.8
JCT Junction City	5.60 207 ePn	Pn	06 32 34.0 -0.6
JCT Junction City	5.64 51 eSg	Pn	06 32 35.1 +0.1
Q41A Truxton, SNCr=14	5.64 21 P	Pn	06 32 35.3 +0.2
N37A Lee Faris, Mou	5.64 21 P	Pn	06 32 35.3 +0.2
MET Memphis-Engin	5.64 92 ePn	Pn	06 32 35.0 -0.1
Y44A Strider, Charl	5.66 104 P	Pn	06 32 35.7 +0.4
FVM French Village	5.70 62 ePn	Pn	06 32 35.9 -0.1
W44A Shelby Farms P	5.71 92 P	Pn	06 32 37.0 +0.6
KSCO Kaye Shedlock	5.81 309 P	Pn	06 32 37.5 0.0
KSCO Kaye Shedlock	5.81 309 ePn	Pn	06 32 36.0 -1.5
S43A Fulton Ridge,	5.81 67 P	Sg	06 32 38.1 +0.6
Q39A Kirksville	5.83 34 P	Pn	06 32 38.1 +0.4
PARMO Carmar	5.84 76 eSg	Sg	06 34 15.3 -2.5
PVMO Portageville	5.85 79 ePn	Sg	06 32 38.3 +0.3
U44A Portageville	5.87 78 P	Pn	06 32 38.9 +0.6
BGNE Belgrade	5.99 350 ePn	Pn	06 32 38.8 -1.2
BGNE Belgrade	5.99 350 eSg	Pn	06 33 44.7 -4.5
N38A Joes South For	5.99 27 P	Pn	06 32 40.4 +0.4
636A Smothers Creek	6.00 182 ePn	Pn	06 32 41.9 +1.8
O40A La Belid	6.05 39 P	Pn	06 32 40.1 -0.7
HALT Halls	6.12 84 ePn	Pn	06 32 41.6 +0.2
EBZ Ebenezer Churc	6.12 91 ePn	Pn	06 32 42.6 +0.9
U44B Burton Farm, H	6.12 80 P	Pn	06 32 41.8 +0.1
SLM Saint Louis	6.13 57 Sn	Pn	06 33 52.2 -0.2
M36A Felix, Anita	6.15 14 P	Pn	06 32 42.1 -0.1
QXF Oxford	6.16 97 ePn	Pn	06 32 42.9 +0.6
GLAT Glass	6.17 81 ePn	Pn	06 32 42.0 -0.3
GLAT Glass	6.17 81 eSg	Pn	06 32 43.4 -3.9
P41A Barry, Barry	6.19 46 P	Pn	06 32 43.0 +0.3
X45A UM Field Stati	6.19 98 P	Pn	06 32 43.6 +0.9
Y45A Yeager Farm, C	6.21 103 P	Pn	06 32 42.8 -0.2
W45A Hickory Valley	6.25 91 P	Pn	06 32 43.6 +0.1
Z45A Winona	6.26 108 P	Pn	06 32 43.5 -0.1
M37A Trindle Farm,	6.28 19 P	Pn	06 32 44.2 +0.3
T25A Trinidad	6.34 287 P	Pn	06 32 44.1 -0.9
T25A Trinidad	6.34 287 ePn	Pn	06 32 44.1 -0.9
N39A Derby Farms, D	6.36 31 P	Pn	06 32 45.2 +0.3
V45A Humboldt	6.41 86 P	Pn	06 32 44.9 -0.7
L34A Svendsen Farm,	6.47 3 P	Pn	06 32 47.4 +0.9
S44A Carbondale	6.47 68 P	Pn	06 32 47.1 +0.6
UTMT University of	6.51 80 eSg	Sg	06 34 36.4 -2.9
736A Circle Diamond	6.53 182 ePn	Pb	06 32 50.4 +3.1
M38A Pleasantantv	6.56 25 ePn	Pn	06 32 47.3 -0.4
MHTCO State Highway	6.56 287 ePn	Pn	06 32 47.4 -0.5
P42A Winchester	6.57 50 P	Pn	06 32 47.8 0.0
O41A Pateys Farm,	6.58 44 P	Pn	06 32 47.9 -0.1
U45A Rockin P Farm,	6.59 80 P	Pn	06 32 47.8 -0.4
Q43A New Douglas	6.64 57 P	Pn	06 32 49.8 +0.9
735A Kenedy	6.68 187 P	Pn	06 32 49.3 -0.1
735A Kenedy	6.68 187 ePn	Pn	06 32 50.4 +1.0
N40A Mertquake, Sal	6.78 36 P	Pn	06 32 51.1 +0.5
R44A Waltonville	6.78 64 P	Pn	06 32 52.6 +1.8
L36A Harm Buss Farm	6.80 14 P	Pn	06 32 51.1 0.0
OGNE Ogallala	6.81 325 P	Pn	06 32 51.7 +0.4
S45A Cedar Mills	6.98 69 P	Pn	06 32 55.8 +2.3
SCIA State Center	6.99 23 ePn	Pn	06 32 51.7 -2.0
SCIA State Center	6.99 23 eSg	Pn	06 34 51.0 -3.6
L37A Phoenix Point,	7.04 19 P	Pn	06 32 53.8 -0.4
Q44A Meyer Farm, Va	7.09 59 P	Pn	06 32 55.5 +0.4
O42A Bath	7.10 47 P	Pn	06 32 55.9 +0.7
P43A Skaggs, Pawnee	7.12 52 P	Pn	06 32 55.6 +0.2
PLAL Pickwick Lake	7.18 92 ePn	Pn	06 32 56.0 -0.2
M40A Post Highland	7.22 34 P	Pn	06 32 57.6 +0.9
K31A O'Neill	7.27 349 P	Pn	06 32 57.8 +0.3
L38A Oak Wood Farm,	7.29 23 P	Pn	06 32 57.5 -0.2
SDCO Great Sand Dun	7.33 290 P	Pn	06 32 58.3 -0.3
SDCO Great Sand Dun	7.33 290 ePn	Pn	06 32 58.7 +0.1
WVT Waverly	7.33 82 ePn	Pn	06 32 57.7 -0.6
WVT Waverly	7.33 82 eSg	Pn	06 34 59.4 -6.2
K36A Gilmore City	7.36 14 P	Pn	06 32 58.9 +0.1
833A Chaparral WMA,	7.48 198 P	Pn	06 33 00.6 +0.2
Q24A Divide	7.49 300 P	Pn	06 33 00.6 -0.2
Q24A Divide	7.49 300 ePn	Pg	06 33 27.9 -5.7
N42A Yates City	7.54 43 P	Pn	06 33 02.2 +1.0
L39A Winton	7.61 28 P	Pn	06 33 03.3 +1.2
P44A Sand Creek, Wi	7.63 56 P	Pn	06 33 03.1 +0.7
M41A Milan	7.66 38 P	Pn	06 33 04.1 +1.3
USIN University of	7.75 69 eSg	Sg	06 35 13.6 -5.5
HDIL Hopedale	7.79 47 P	Pn	06 33 05.8 +1.1
HDIL Hopedale	7.79 47 ePn	Pn	06 33 04.2 -0.4
K38A Parkersburg	7.80 23 P	Pn	06 33 05.4 +0.6
L40A Anamosa	7.88 32 P	Pn	06 33 06.2 +0.4
ANMO Albuquerque	7.91 269 Pn	Pn	06 33 06.1 -0.3
ANMO Albuquerque	7.91 269 Pg	Pg	06 33 36.1 -5.5
ANMO Albuquerque	7.91 269 Lg	Lg	06 35 22.8
J11A Geddes	7.92 130 P	Pn	06 33 06.4 -0.1
Z48A Northport	7.94 103 P	Pn	06 33 06.8 +0.1
O44A Mansfield	8.08 52 P	Pn	06 33 09.3 +0.7
MNTX Cornudas Mount	8.08 244 P	Pn	06 33 08.2 -0.5
MNTX Cornudas Mount	8.08 244 ePn	Pn	06 33 08.2 -0.5

MNTX K39A Delview	8.15 27 P	eSg	06 34 38.0 -2.7
ISCO Idaho Springs	8.19 304 P	Pn	06 33 09.9 -0.4
ISCO Idaho Springs	8.19 304 ePn	Pn	06 33 10.0 -0.4
J37A Redenius Farm,	8.20 17 P	Pn	06 33 09.4 -0.9
L41A Preston	8.21 35 P	Pn	06 33 10.1 -0.3
ECSD EROS Data Cent	8.23 1 P	Pn	06 33 09.5 -1.2
ECSD EROS Data Cent	8.23 1 ePn	Pn	06 33 09.4 -1.2
S22A 4UR Ranch, Cre	8.35 289 P	Pn	06 33 10.3 +0.4
K40A Colesburg	8.44 30 P	Pn	06 33 14.9 +1.4
TXAR Lajitas Array	8.44 225 Pn	Pn	06 33 14.0 +0.4
TXAR Lajitas Array	8.44 225 Pg	Pb	06 33 44.4 +7.3
TXAR Lajitas Array	8.44 225 Lg	Lg	06 35 34.3
LRAL Lakeview Retre	8.49 1		

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

MAN 06 06:38:02.905N\*126.33E, h38km, mb4.2, ML3.1, MS2.9, 1C, Mindanao

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

IDC 06 06:51:04.91.3, 30.84N\*142.08E, h0km, mb3.5, Error mb1 3.8/4, mb1mx3.4/33, mbmp3.5/4, ML3.1/1, 5/3, ellipse: s-maj=66.1km s-min=25.4km az=96.0,

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

WEL 06 06:52:42.1.0.6, 36.96S\*176.95E, h222km, 5km, ML3.8/21, 5C-6D, Error ellipse: s-maj=5.9km s-min=4.7km az=0.0, Off east coast of North Island

Large table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Lists numerous stations including HAZ, RUGZ, MZK, etc.

ISK 06 07:05:16.4, 38.82N\*43.45E, h5km, MD2.5 DDA 06 07:05:17.8, 38.83N\*43.42E, h7km, MD2.4 CSEM 06 07:05:17.5-0.3, 38.84N\*43.46E, h15km, MD2.4, Error ellipse: s-maj=10.8km s-min=6.0km az=110.0

ISC 06 07:05:17.9-1.0, 38.83N\*0.03:43.48E, 0.05, h14km, 9km, n12, 0:568/23, Turkey

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes station VMUR.

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

ISC/JB 06 07:32:39.5:0.5, 35.50N\*01:01:96.87W, 0.02, h3km, 4km, Error ellipse: s-maj=3.1km s-min=2.2km az=3.0

NEIC 06 07:32:41.0:0.0, 35.348N\*96.85W, h5km, ML3.2(TUL), After TUL, NEIC Felt at Edmond, Noble, Oklahoma City, Sapulpa, Shawnee, Tulsa and Yukon.

ISC 06 07:32:40.7:1.1, 35.48N\*01:02:96.84W, 0.02, h5km, 9km, n125, 0:581/152, Oklahoma

Large table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Lists numerous stations including V35A, W35A, W36A, etc.

Large table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Lists numerous stations including W40A, 138A, S38A, etc.

IDC 06 07:34:12.4:0.6, 23:23S\*175:36W, h0km, mb4.7/18, mb1 4.8/20, mb1mx4.8/33, mbtmp4.7/20, ML3.3/1, MS4.8/10, Ms1=14.9km az=146.0

BJJ 06 07:34:14.2:23:17S\*175:36W, h14km, mb5.3/35, mb5.6/34, MS5.3/32, Ms7 5.0/32

ISC/JB 06 07:34:16.2:0.2, 23:28S\*0:04:175:38W, 0.04, h30km, mb5.1/104, MS5.0/19, Error ellipse: s-maj=6.8km s-min=4.5km az=41.5

MOS 06 07:34:17.5:2.2, 23:31S\*175:45W, h33km, mb5.3/16, Error ellipse: s-maj=11.5km s-min=11.1km az=62.5

NEIC 06 07:34:17.6:2.2, 23:23S\*175:37W, h30km, 15km, mb5.1/68, Error ellipse: s-maj=6.9km s-min=5.3km az=117.0

GCMT 06 07:34:17.6:2.2, 23:44S\*174:74W, h12km, MV5.2/94, Moment Tensor Solution: s74, c105, s94, c139, Duration: 0 Moment tensor: Scale: 10^16Nm; Ms: 9.0; 12; Mw: 1.0; 13; Mw: 4.8; 11; Ms: 2.7; 34; Mw: 1.6; 10; Ms: 2.6; 30. Best double couple: M:6.90700:1016 NP1:33.00000:862.00000:lambda.100.00000: NP2:



Table with columns: Code, Station Name, Frequency, Band, Mode, and other technical details. Includes stations like SONM Sogino Array, CCM Cathedral Cave, WMQ Urumqi, MKAR Makanar Array, KSH Kashi, BOSHA Boshof, LSZ Lusaka, FINES FINESS Array B, KMBO Kilima Mbogo, MBAR Mbarara, MARD Mardin, SUW Suwalki, AKASG Malin Array Be, AKBB Malin Array Si, CRVS Kiev, AK11 Malin Array Si, MUD Monsted Ugrnd, SORM Soroca, BEL Belsk, LVV Lvov, BRTR Keskin Array B, OJC Ojcow, BUR0 Bucoovina Ar. S, BUR4 Bucoovina Ar. S, BUR8 Bucurava Array, TESS Tescani, STHS Stebnicka Huta, STHS Stebnicka Huta, CFR Carcaliu, CFR Carcaliu, KSP Ksiaz, ANTO Ankara, ANTO Ankara, BR231 Keskin MP Arra, UZH Uzhgorod, NIE Niedzica, NIE Niedzica, CRVS Cervenica-Dubn, CRVS Cervenica-Dubn, CLL Collim, CLL Collim, CLL Collim, UPC Upice, UPC Upice, OKC Ostrava-Krasne, ARCR ARCALIA, DPC Dobruska-Polom, DPC Dobruska-Polom, DPC Dobruska-Polom, BRG Berggiesshubel, BRG Berggiesshubel, MORC Moravsky Berou, MORC Moravsky Berou, MORC Moravsky Berou, PVCC Panska Ves, PVCC Panska Ves, DOPR Dopca, KECS Kecovo, KECS Kecovo, MLR Muntele Rosu, MLR Muntele Rosu, CJR Cluj-Napoca, CJR Cluj-Napoca, PRU Pruhonice, PRU Pruhonice, PRU Pruhonice, VOR Vranov, VOR Vranov, VRAC Vranov, DRGR Vranov, DRGR Vranov, NKV Novy Kostel, NKV Novy Kostel, VYHS Vyhne, VYHS Vyhne, PSZ Piszkesteto, PSZ Piszkesteto, ARR Arges, LOT Lotru, KHC Kasperske Hory, KHC Kasperske Hory, KHC Kasperske Hory, KHC Kasperske Hory.

Table with columns: Code, Station Name, Frequency, Band, Mode, and other technical details. Includes stations like SIRR Siria, GERES GERESS Array B, CONA Conrad Observa, MOA Molin, ARSA Arzberg, SOKA Soko, KBA Koelnbreinsper, VTS Vitosa, VTS Vitosa, VTS Vitosa, WETA Waidersalm, WTTA Wattenberg, MOTA Moosalm, OBKA Obir, DAVA Damuels, DAVA Abfallersbach, FETA Feichten, TOAD Torodi Ar. Sit, TOAD Torodi Ar. Bea, TORO Torodi Ar. Bea, TORO Torodi Ar. Bea, NEIC 06:07:38:31.7-0.4, 35.52N:96.83W, h5km, MN3.6, Error ellipse: s-maj=6.9km s-min=5.4km az=151.0, ISC 06:07:38:31.3-1.1, 35.52N:0.02:96.81W:0.02, h4km, 10km, Code Station Name, Frequency, Band, Mode, and other technical details.

Table with columns: Code, Station Name, Frequency, Band, Mode, and other technical details. Includes stations like MIAR Mount Ida, U39A Green Forest, R35A Emporia Munici, R36A Gordon, Harris, W40A Ferguson Farm, S38A Stockton, T39A Clever, 138A Matatal Enter, R37A Teagarden Farm, W40A Witts Springs, Y40A Okolona, U40A Yellowville, Q35A Mercer Eighty, Q34A Chapman, X40A Basin Creek Fa, R38A Fenwick Farm, S39A Bolivar, WHTX Lake Whitney, WHTX Lake Whitney, KSU1 Kansas State U, KSU1 Kansas State U, Q36A Arnold C. Orve, 237A Washetta, Z40A Long Farm, Mag, X41A Kaden, Bauxite, ABTX Abilene, Hawie, W41B Gary Mavity, V41A Mountainview, Y41A Eaglette Beard, T40A Mansfield, Q37A Longview Farm, 239A Gary, P34A Walnut Farm, R, CBKS Cedar Bluff, S40A Lebanon, P35A Duane Minner, U41A Viola, R39A Chumby, Stover, NAXT Naxos, Q38A Cooks Store, T41A Mountain View, V42A Great Sand Dun, Y42A Garnett, Star, S41A Jillico Farms, R40A Maddies Statio, U42A Revenden, Q39A Willow Grove F, CCM Cathedral Cave, MSTX Muleshoe, R41A Rosebud, JCT Junction City, KSCO Kaye Shedlock, KSCO Kaye Shedlock, BGNB Bgrade, SCIA State Center, SDCO Great Sand Dun, SDCO Great Sand Dun, MNTX Cornudas Mount, ISCO Idaho Springs, ECSD EROS Data Cent, ECSD EROS Data Cent, NNC 06:07:50:28.5-34.0, 38.43N:71.36E, h0km, mb2.9, mpv2.5, Error ellipse: s-maj=315.9km s-min=87.5km az=149.0, ISC 06:07:50:12.6-4.7, 36.44N:0.3:71.47E:0.08, h35km, n4, c2:976/19, 1C-2D, Afghanistan-Tajikistan border region, Code Station Name, Frequency, Band, Mode, and other technical details.









G31A	Conde	41.29	75	P	P	08 15 55.1 -0.5
SUSD	Miller	41.33	77	P	P	08 15 56.0 0.0
X18A	Snowflake	41.38	96	eP	P	08 15 58.2 +1.6
B34A	Aery, Baudette	41.39	69	P	P	08 15 55.6 -0.7
D33A	AnnSam, Waubun	41.50	71	P	P	08 15 56.5 -0.7
H11N2	WAKE ISLAND Hy	41.50	226	T	T	09 00 24.2
H11N3	WAKE ISLAND Hy	41.51	226	T	T	09 00 24.7
H11N1	WAKE ISLAND Hy	41.52	226	T	T	09 00 25.6
F32A	Veblen	41.52	74	P	P	08 15 57.4 -0.1
214A	Organ Pipe Nat	41.57	102	P	P	08 15 59.0 +0.9
214A	Organ Pipe Nat	41.57	102	eP	P	08 15 58.9 +0.9
H31A	Wolsey	41.58	76	P	P	08 15 58.0 0.0
C34A	RKJ Ranch, Bem	41.72	70	P	P	08 15 58.4 -0.7
OGNE	Ogallala	41.72	83	PFAKE	LR	08 16 10.0 +1.1
E33A	Westby DABS, E	41.78	72	P	P	08 15 59.0 -0.6
SDCO	Great Sand Dun	41.78	89	P	P	08 16 01.1 +1.1
SDCO	Great Sand Dun	41.78	89	eP	P	08 16 01.5 +1.5
SDCO	Park Rapids	41.89	71	P	P	08 16 00.1 -0.4
B35A	Bob, Littor	41.96	69	P	P	08 16 00.6 -0.5
F33A	5 Mile Ranch,	42.01	73	P	P	08 16 00.9 -0.5
J31A	Geddes	42.16	78	P	P	08 16 02.7 0.0
H32A	Carlson Farm,	42.16	75	P	P	08 16 02.4 -0.4
C35A	Jirik Farms, M	42.21	70	P	P	08 16 02.4 -0.6
E34A	Wadena	42.24	72	P	P	08 16 02.4 -1.0
G33A	Ortonville	42.31	74	P	P	08 16 03.5 -0.4
USRK	Ussuriysk Ar.	42.39	284	P	PcP	08 16 03.2 -1.4
USRK	Prehn Over Nor	42.45	75	P	P	08 16 04.3 -0.8
H33A	Kullorsuaq	42.47	22	iP	P	08 16 04.9 0.0
KULLO	Kullorsuaq	42.47	22	iP	P	08 16 04.9 0.0
KULLO	Kullorsuaq	42.47	22	iP	P	08 16 04.9 0.0
KULLO	Kullorsuaq	42.47	22	iP	P	08 16 04.9 0.0
TUC	Tucson	42.48	99	P	P	08 16 06.5 +0.9
TUC	Tucson	42.48	99	eP	P	08 16 07.0 +1.4
TUC	Tucson	42.48	99	eP	P	08 16 07.0 +1.4
TUC	Tucson	42.48	99	eP	P	08 16 07.0 +1.4
D35A	Reme	42.52	70	P	P	08 16 05.0 -0.7
F34A	Alexandria	42.62	73	P	P	08 16 05.5 -1.0
J32A	Parkston	42.62	77	P	P	08 16 05.8 -0.9
K3CO	Kaye Shedlock	42.63	85	eP	P	08 16 10.8 +0.4
E35A	Pequot Lakes	42.64	71	P	P	08 16 06.3 -0.3
H11S1	WAKE ISLAND Hy	42.67	225	T	T	09 01 53.7
MHTCO	State Highway	42.67	89	eP	P	08 16 03.9 +2.1
H11S2	WAKE ISLAND Hy	42.68	225	T	T	09 01 54.8
H11S3	WAKE ISLAND Hy	42.69	225	T	T	09 01 58.8
G34A	Benson	42.73	73	P	P	08 16 06.9 -0.5
C36A	Pine Crest Far	42.80	69	P	P	08 16 07.0 -0.9
I33A	Coleman	42.80	76	P	P	08 16 06.7 -1.3
T25A	Trinidad	42.83	89	eP	P	08 16 09.0 +0.4
D36A	Goodland	42.96	70	P	P	08 16 08.7 -0.5
F35A	Swanville	42.96	72	P	P	08 16 08.7 -0.5
K32A	Vedigre	42.99	78	P	P	08 16 08.8 -0.7
H34A	Spelman Lake,	43.00	74	P	P	08 16 08.9 -0.7
ECSD	EROS Data Cent	43.10	76	P	P	08 16 09.4 -1.0
ECSD	EROS Data Cent	43.10	76	eP	P	08 16 09.6 -0.8
ECSD	EROS Data Cent	43.10	76	eP	P	08 16 09.6 -0.8
ECSD	EROS Data Cent	43.10	76	eP	P	08 16 09.6 -0.8
LAZ	Ladron	43.12	94	eP	P	08 16 12.5 +1.7
ANMO	Albuquerque	43.13	93f	eP	P	08 16 10.8 -0.2
ANMO	Albuquerque	43.13	93	eP	P	08 16 12.2 +1.2
ANMO	Albuquerque	43.13	93	eP	P	08 16 12.2 +1.2
ANMO	Albuquerque	43.13	93	eP	P	08 16 12.2 +1.2
J33A	Davis	43.16	77	P	P	08 16 10.1 -0.7
C37A	Embarrass	43.17	68	P	P	08 16 10.4 -0.5
E36A	McGregor	43.30	71	P	P	08 16 11.4 -0.5
D37A	Cotton	43.38	69	P	P	08 16 12.0 -0.6
G35A	Watkins	43.40	73	P	P	08 16 12.1 -0.6
EYMN	Ely	43.42	68	P	P	08 16 12.2 -0.7
EYMN	Ely	43.42	68	eP	P	08 16 13.0 +0.1
EYMN	Ely	43.42	68	eP	P	08 16 13.0 +0.1
Y22D	IRIS PASSCAL I	43.48	94	eP	P	08 16 16.2 +2.5
MDJ	Mudanjiang	43.50	286	eP	P	08 16 12.6 -0.9
MDJ	Mudanjiang	43.50	286	eP	P	08 16 12.6 -0.9
H35A	Sunnyside Ranc	43.52	74	P	P	08 16 13.0 -0.7
F36A	Milaca	43.55	71	P	P	08 16 13.2 -0.8
K33A	Hardington	43.58	77	P	P	08 16 14.0 -0.3
BNM	Barren Site	43.59	94	eP	P	08 16 16.6 +1.8
C38A	Sawbill Land,	43.68	68	P	P	08 16 14.5 -0.5
BGNE	Belgrade	43.68	80	eP	P	08 16 15.1 0.0
BGNE	Belgrade	43.68	80	eP	P	08 16 15.1 0.0
MJAR	Matsushiro Arr	43.73	271	P	P	08 16 15.8 +0.3
MJAR	Matsushiro Arr	43.73	271	P	P	08 16 15.8 +0.3
MJAR	Matsushiro Arr	43.73	271	P	P	08 16 15.8 +0.3

MJAR	Matsushiro	43.73	271	c/P	LR	08 34 03.0
MAJO	Matsushiro	43.73	271	eP	P	08 16 15.7 +0.2
MAJO	Matsushiro	43.73	271	eP	P	08 16 15.8 +0.2
MAT	Matsushiro	43.73	271	P	P	08 16 15.5 0.0
MAT	Matsushiro	43.73	271	eS	P	08 22 40.0 -3.5
MJ9B	Matsu-Tunnel	43.73	271	eS	LR	08 16 15.9 +0.4
E37A	Wrenshall	43.74	70	P	P	08 16 15.0 -0.6
J34A	George	43.76	76	P	P	08 16 15.6 -0.1
G36A	St. Michael	43.82	72	P	P	08 16 15.7 -0.2
BOD	Bodaibo	43.94	310	eP	P	08 16 15.2 -1.7
BOD	Bodaibo	43.94	310	eP	P	08 16 15.2 -1.7
I35A	Creekview Farm	43.95	75	P	P	08 16 17.1 -0.1
I35A	Creekview Farm	43.95	75	P	P	08 16 17.1 -0.1
319A	Douglas	44.04	99	eP	P	08 16 20.6 +2.4
K34A	Le Mars	44.05	77	P	P	08 16 17.7 -0.4
121A	Cookes Peak, D	44.07	96	P	P	08 16 19.4 +0.9
121A	Cookes Peak, D	44.07	96	eP	P	08 16 19.7 +1.2
H36A	Jessenland, He	44.10	73	P	P	08 16 17.9 -0.5
F37A	Hinche Farm,	44.13	71	P	P	08 16 17.7 -0.8
M33A	Taylor Creek F	44.13	79	P	P	08 16 18.9 +0.2
J35A	Milford	44.13	75	P	P	08 16 18.3 -0.3
E38A	The Farm, Brul	44.19	69	P	P	08 16 18.6 -0.4
C39A	Grand Marais	44.24	67	P	P	08 16 18.7 -0.7
SPMN	Marine on St.	44.33	72	P	P	08 16 19.5 -0.8
SPMN	Marine on St.	44.33	72	eP	P	08 16 20.3 +0.1
L34A	Svendsen Farm,	44.35	78	P	P	08 16 19.7 -0.7
F38A	Pierce - Schro	44.40	70	P	P	08 16 20.9 +0.2
I36A	Fitzsimmons Fa	44.40	74	P	P	08 16 20.4 -0.4
CBKS	Cedar Bluff	44.45	83	eP	P	08 16 21.9 +0.6
CBKS	Cedar Bluff	44.45	83	eP	P	08 16 21.9 +0.6
CBKS	Cedar Bluff	44.45	83	eP	P	08 16 21.9 +0.6
CBKS	Cedar Bluff	44.45	83	eP	P	08 16 21.9 +0.6
K35A	Storm Lake	44.52	76	P	P	08 16 21.1 -0.7
J36A	Seneca I, Swea	44.65	75	P	P	08 16 22.2 -0.6
H37A	Dierke Farm, C	44.67	73	P	P	08 16 23.0 +0.1
C40A	Isle Royale Na	44.71	66	P	P	08 16 22.8 -0.4
L35A	Bielow Farm, R	44.73	77	P	P	08 16 23.0 -0.5
I37A	Lemond, Waseca	44.75	73	P	P	08 16 23.4 -0.2
HSIG	Hebron	44.83	103	eP	P	08 16 25.0 +0.6
O33A	Hebron	44.87	81	P	P	08 16 24.4 -0.2
E39A	Melen	44.87	69	P	P	08 16 23.9 -0.7
G38A	Ridgeland	44.90	71	P	P	08 16 24.0 -0.8
F39A	Loretta	44.96	70	P	P	08 16 24.5 -0.7
H38A	Maiden Rock	44.97	72	P	P	08 16 25.1 -0.2
N34A	Lincoln	45.00	79	P	P	08 16 25.2 -0.5
K36A	Gilmore City	45.02	76	P	P	08 16 25.2 -0.5
M35A	Neola	45.06	78	P	P	08 16 26.0 0.0
J37A	Redenius Farm,	45.10	74	P	P	08 16 25.8 -0.6
HJ2	Mitsune	45.18	266	eP	P	08 16 27.3 +0.2
J38A	Hachio Jim 2	45.19	266	P	P	08 16 26.7 -0.5
E40A	Wakefield	45.19	69	P	P	08 16 26.9 -0.2
G39A	Holcomb	45.20	71	P	P	08 16 26.4 -0.8
INU	Inuyama	45.25	271	eP	P	08 16 27.0 -0.7
O34A	Beatrice	45.32	80	P	P	08 16 28.2 0.0
I38A	Scanlan Farm,	45.33	73	P	P	08 16 27.7 -0.5
EPT	El Paso	45.37	96	eP	P	08 16 30.9 +2.1
F40A	Park Falls	45.39	69	P	P	08 16 28.0 -0.7
K37A	Belmond	45.40	75	P	P	08 16 27.9 -0.9
N35A	Augusta	45.42	71	P	P	08 16 29.6 +0.2
H39A	Augusta	45.42	71	P	P	08 16 29.1 -0.5
D41A	Chesel	45.54	67	P	P	08 16 29.2 -0.6
E41A	Kenton	45.69	68	P	P	08 16 30.4 -0.6
J38A	Wedel Dalry, R	45.71	74	P	P	08 16 30.5 -0.7
L37A	Phoenix Point,	45.75	76	P	P	08 16 30.9 -0.6
G40A	Rib Lake	45.75	70	P	P	08 16 30.7 -0.8
I39A	Houston	45.90	72	P	P	08 16 32.1 -0.6
K37A	Parkersburg	45.97	75	P	P	08 16 33.1 -0.1
M38A	Trindle Farm,	46.04	77	P	P	08 16 33.5 -0.4
HIA	Hailar	46.04	297	PFAKE	LR	08 16 50.0 +1.6
HIA	Hailar	46.04	297	PFAKE	LR	08 16 50.0 +1.6
H40A	Chili	46.05	71	P	P	08 16 33.3 -0.6
F41A	Three Lakes	46.06	69	P	P	08 16 33.6 -0.4
MNTX	Cornudas Mount	46.08	95	P	P	08 16 35.5 +1.2
MNTX	Cornudas Mount	46.08	95	eP	P	08 16 36.1 +1.8
MNTX	Cornudas Mount	46.08	95	eP	P	08 16 36.1 +1.8
MNTX	Cornudas Mount	46.08	95	eP	P	08 16 36.1 +1.8
KSU1	Kansas State U	46.08	81	PFAKE	LR	08 16 50.0 +1.6
KSU1	Kansas State U	46.08	81	PFAKE	LR	08 16 50.0 +1.6
J39A	Decorah	46.13	73	P	P	08 16 33.6 -1.0
L38A	Oak Wood Farm,	46.19	75	P	P	08 16 33.8 -1.2
SCIA	State Center	46.19	76	eP	P	08 16 35.2 +0.2
SCIA	State Center	46.19	76	eP	P	08 16 49.6 +1.4
SCIA	State Center	46.19	76	eP	P	08 16 35.2 +0.2
SCIA	State Center	46.19	76	eP	P	08 16 49.6 +1.4
E42A	Champion	46.28	67	P	P	08 16 34.5 -1.2
CN2	Changchun	46.33	288	eS	P	08 23 23.3 +2.3
CN2	Changchun	46.33	288	eS	P	08 23 23.3 +2.3
CN2	Changchun	46.33	288	eS	P	08 23 23.3 +2.3
CN2	Changchun	46.33	288	eS	P	08 23 23.3 +2.3

CN2	comp=Z,1um,22.0s				LR	LR
O36A	Bolkow	46.35	79	P	P	08 16 35.8 -0.4
G41A	Antigo	46.35	70	P	P	08 16 35.1 -1.2
N37A	Lee Faris, Mou	46.37	77	P	P	08 16 35.9 -0.5
I40A	Norwalk	46.39	72	P	P	08 16 36.0 -0.6
K39A	Oelwein	46.43	74	P	P	08 16 35.6 -1.3
H41A	Junco City	46.46	70	P	P	08 16 36.4 -0.7
M38A	Pleasantville	46.52	76	P	P	08 16 37.1 -0.5
F42A	Maple Grove Fa	46.58	68	P	P	08 16 37.5 -0.5
J40A	Soldiers Grove	46.63	72	P	P	08 16 37.6 -0.9
I41A	Arkdale	46.70	71	P	P	08 16 38.4

6d 8h

Table with columns: Call Sign, Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like T38A Diamond, P41A Barry, M43A Waltham Townsh, etc.

2011 NOV

Table with columns: Call Sign, Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like IRK Irkutsk, U38A Jacksonville, Y41A Eagleette, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like ZAIQ Zacatecas, 244A Avery, 145A Houston Renfro, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like CBN, KMSC, GOGA, MOIR, JSRW, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like KURK, OZH, TPUB, SVE, KLMR, BVAO, BRVK, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like CD2, MME1, DRUM, AFI, TDK, EDU, etc.

6d 8h

2011 NOV

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like USP, LHO, CHMS, ULHL, FRU, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like KSH, IUG, CTBH, BEL, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like PMG, RAC, KRALIK, etc.







Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like Durant, Y36A, T36A, Y37A, WMOK, etc.

NIED 06 08:18:00.23:80N,122:50E,h26km,Mw3.9 Best double couple: M=8.60000x10^14 NP1=268.00000, 344.00000, 1.92.00000, NP2=84.00000, 846.00000, 1.88.00000.

JMA 06 08:18:28.9,0.3,23:79N,122:49E,h20km,4km,M3.5 TAP 06 08:18:29.0,23:77N,122:37E,h2km,ML3.9,D, IDC 06 08:18:52.5,6.3,24:66N,122:52E,h199km,65km,mb3.17, mb1 3.2/8,mb1mx3/0.58,mbtmp3.6/8, Error ellipse: s-maj=34.3km s-min=17.8km az=60.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like JYNG, YONAGUNIJIMAKU, YOY, HWA, etc.

Main table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like IRIF, ILA, ENT, TWE, WDT, etc.

CSEM 06 08:19:56.9,41:30N,23:68E,h16km,ML1.1/3 ATH 06 08:19:56.9,41:30N,23:68E,h16km,ML1.1/3, Error ellipse: s-maj=3.9km s-min=1.0km az=125.0, Greece-Bulgaria border region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like NVR, SRRS, SRS, etc.

MAN 06 08:29:02,13:58N,120:38E,h3km,mb4.1,ML2.9,MS2.6, Mindoro

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like LUBP, PGP, SJMP, etc.

ISCJB 06 08:30:08.3,1.4,38:69N,0:04,43:14E,0:05,h27km,14km, Error ellipse: s-maj=7.6km s-min=6.1km az=142.9 CSEM 06 08:30:08.5,0.2,38:72N,43:11E,h10km,MD2.5, Error ellipse: s-maj=4.5km s-min=4.3km az=11.0 DDA 06 08:30:08.8,38:69N,43:12E,h7km,MD2.5 ISC 06 08:30:08.6,1.1,38:71N,0:03,43:12E,0:03,h16km,10km, n14, c051/28, Turkey

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like VANB, TVAN, ADCV, etc.

IDC 06 08:31:22.8,0.5,17:31S,172:81W,h0km,mb4.5/15, mb1 4.7/15,mb1mx4.4/40,mbtmp4.5/15, Error ellipse: s-maj=19.9km s-min=12.9km az=123.0

ISCJB 06 08:31:26.9,0.2,17:19S,0:06,173:03W,0:06,h33km, mb4.7/59, Error ellipse: s-maj=10.6km s-min=6.1km az=139.8

BUI 06 08:31:26.8,17:48S,173:11W,h25km,mb5.1/13,mb5.5/9, Ms5.0/6,Ms7.4/6 NEIC 06 08:31:28.5,0.2,17:20S,172:97W,h35km,mb4.7/36, Error ellipse: s-maj=9.2km s-min=5.0km az=139.0

ISC 06 08:31:26.9,1.0,17:24S,0:08,172:88W,0:08,h23km,9km, n132, c118/133,mb4.7/59,5C-8D, Tonga Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like AFI, MSVF, RAR, PPT, URZ, etc.

Table with columns: Station Name, Az, El, AzE, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Manton Dam, South Pole Qui, PETK, etc.

Table with columns: Station Name, Az, El, AzE, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Arges, Conrad Observa, SIRR, MOA, etc.

Table with columns: Station Name, Az, El, AzE, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ZALV, ZALV, ZALV, etc.

JOM	Ohasama	0.96 291	P	Pb	08 42 30.6	0.0
JOM			S	Sb	08 42 42.5	-0.5
JMK	Ichinoseki	0.98 259	P	Pb	08 42 30.7	-0.2
JMK			S	Sb	08 42 42.8	-0.7
JIO	Ouri	1.10 232	P	Pb	08 42 31.9	-1.2
JIO			S	Sb	08 42 44.5	-2.5
JKZ	Kuzumaki	1.21 314	P	Pb	08 42 34.6	0.0
JKZ			S	Sb	08 42 49.3	-1.0
JANG	Nango	1.43 330	P	Pb	08 42 37.9	+0.3
JRG	Rokugo	1.44 281	P	Pb	08 42 38.2	-0.5
JRG			S	Sb	08 42 56.2	-0.5
JMR	Matsushiro Arr	4.25 234	P	Pb	08 43 18.7	+2.4
MAT	Matsushiro	4.25 234	P	Pb	08 43 18.5	+2.2
MAT			S	Sb	08 44 08.4	+2.9
SONM	Songino Array	27.36 300	P	Pb	08 47 56.7	0.0
H112	WAKE ISLAND Hy 28.61 126	T	T		09 18 33.5	
H11N1	WAKE ISLAND Hy 28.62 126	T	T		09 18 31.2	
H11N3	WAKE ISLAND Hy 28.63 126	T	T		09 18 32.5	
H11S1	WAKE ISLAND Hy 29.40 127	T	T		09 19 36.4	
H11S3	WAKE ISLAND Hy 29.40 127	T	T		09 19 37.0	
H11S2	WAKE ISLAND Hy 29.42 127	T	T		09 19 32.5	
ZALV	Zalesau Beam	1.13 311	P	Pb	08 49 55.2	-0.1
MKAR	Makanchi Array	47.33 300	P	Pb	08 50 15.3	-1.3
ILAR	Eielson Array	47.28 312	P	Pb	08 50 45.9	+1.4
WRA	Warramunga Arr	59.25 189	P	Pb	08 52 11.9	-1.1
ASAR	Alce Springs	62.99 189	P	Pb	08 52 37.0	-1.2
AKASG	Malin Array Be	73.13 322	P	Pb	08 53 41.0	-0.7
TXAR	Lajitas Array	88.19 53	P	Pb	08 55 03.1	+0.3

ISC/JB 06 08:58:57.8; 1.0, 0.04S; 0.07x17.5W; 0.1, h12km, mb3.8/5, Error ellipse: s-maj=19.3km s-min=9.8km az=15.9  
 IDC 06 08:59:01.0; 5.2, 0.83N; 17.72W, h0km, mb3.7/5, mb1 4.0/6, mb1mx3.8/30, mbmp3.9/6, ML4.4/1, Error ellipse: s-maj=174.4km s-min=34.4km az=166.0  
 ISC 06 08:59:00.4; 1.1, 0.1N; 0.1, 17.3W; 0.1, h12km, n15, c=28/13, mb3.9/5, North of Ascension Island

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
H10N2	ASCENSION HYDR 8.34 160		Op	T	09 09 54.5	
H10N3	ASCENSION HYDR 8.35 160		T	T	09 09 59.0	
H10N1	ASCENSION HYDR 8.36 160		T	T	09 09 51.6	
H10S1	ASCENSION HYDR 9.34 164		Pn	Pn	09 01 14.0	-0.7
H10S2	ASCENSION HYDR 9.35 164		Pn	Pn	09 01 12.7	
H10S3	ASCENSION HYDR 9.35 164		Pn	T	09 01 14.7	-0.1
H10S2	ASCENSION HYDR 9.36 164		Pn	T	09 01 14.4	-0.5
LIC	Lamto	13.69 63	eP	Pn	09 02 17.9	+3.4
TIC	Toums	13.89 62	eP	Pn	09 02 19.0	+1.8
KIC	Kosan Boka	14.01 63	eP	Pn	09 02 20.8	+2.0
DBIC	Dimbokro	14.04 62	Pn	Pn	09 02 20.8	+1.5
DBIC			Sn	Sn	09 04 50.6	-4.6
TORD	Torodi Ar. Bea	22.88 55	P	P	09 04 05.2	+1.2
GERES	GERESS Array B	55.45 24	P	P	09 08 33.1	-1.8
BRTR	Keskin Array B	60.87 43	P	P	09 09 14.7	+1.5
AKASG	Malin Array Be	63.99 31	P	P	09 09 34.3	+0.7
TXAR	Lajitas Array	86.79 299	P	P	09 11 44.0	-1.3

IDC 06 09:03:35.4; 2.0, 18.46N; 142.41E, h0km, mb3.7/4, mb1 4.0/6, mb1mx3.7/44, mbmp3.8/6, ML4.0/2, Error ellipse: s-maj=83.1km s-min=19.1km az=76.0, Mariana Islands region

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
GUMO	Guam	5.38 154	Pn	Pn	09 04 57.7	+0.6
MJAR	Matsushiro Arr	16.35 31	P	Pn	09 07 52.0	0.0
KSRS	Korea Array	22.79 329	P	P	09 08 39.1	-0.6
WRA	Warramunga Arr	38.97 192	P	P	09 11 04.0	+0.4
AKASG	Malin Array Be	42.68 192	P	P	09 11 33.4	-0.8
MKAR	Makanchi Array	56.39 314	P	P	09 13 19.1	+0.4

IDC 06 09:04:53.6; 0.7, 54.26N; 162.74W, h0km, mb4.5/27, mb1 4.6/30, mb1mx3.5/49, mbmp4.5/30, ML4.2/3, MS3.9/20, Ms1 3.9/20, ms1mx3.7/51, Error ellipse: s-maj=18.3km s-min=10.8km az=163.0

MOS 06 09:04:57.1; 1.0, 54.31N; 162.67W, h31km, mb5.1/44, Error ellipse: s-maj=9.0km s-min=5.0km az=87.6  
 ISC/JB 06 09:04:58.9; 0.3, 54.30N; 0.02; 162.55W; 0.02, h49km, 2km, mb4.8/149, MS3.9/24, Error ellipse: s-maj=4.1km s-min=2.1km az=17.1

NEIC 06 09:04:59.1; 1.0, 51.18N; 162.52W, h25km, mb4.8/86, ML4.4(AEIC), After AEIC  
 BUJ 06 09:05:00.0, 54.69N; 163.18W, h45km, mb4.8/40, mb4.9/26, Ms4.7/14, Ms7 4.4/15

ISC 06 09:04:59.2; 0.3, 54.22N; 0.06; 162.51W; 0.03, h39km, 3km, h39km; p-P, n590, r128/596, mb4.8/148, MS4.0/24, 27C-22D, Alaska Peninsula

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
ISLZ	Isanotski Lunda	0.86 306	Op	Pn	09 05 14.1	-0.9
DT1	Dutton South H	0.90 8	P	Pn	09 05 14.6	-0.8
DTNA	Dutton South F	0.94 9	P	Pn	09 05 15.4	-0.5
DOL	Dolgoi Island	1.00 22	P	Pn	09 05 16.1	-0.7
SSLN	Shishaldin Nor	1.05 305	P	Pn	09 05 18.0	+0.5
SSLW	Shishaldin Wes	1.09 301	P	Pn	09 05 18.0	+0.0
PSHA	Pavlov South	1.19 18	P	Pn	09 05 19.7	+0.3
PVV	Pavlov Volcano	1.23 20	P	Pn	09 05 20.1	+0.2
WESE	West Dahl East	1.24 283	P	Pn	09 05 19.6	-0.5
WESN	West Dahl Nor	1.26 287	P	Pn	09 05 20.2	-0.1
WESP	Westdahl Peak	1.32 283	P	Pn	09 05 21.2	0.0
WESP			P	Pn	09 05 37.7	+1.1
SDPT	Sand Point	1.63 45	P	Sn	09 05 25.9	+0.5
SDPT			S	Sn	09 05 47.2	+2.0
AKUT	Akutan	1.92 269	P	Sn	09 05 28.8	-0.5
AKUT			S	Sn	09 05 52.6	+0.5
AKLV	Akutan Long Va	2.02 270	P	Pn	09 05 30.6	-0.2
AKMO	Akutan Morgon	2.06 268	P	Pn	09 05 31.3	0.0
AKRB	Akutan Reef B	2.09 269	P	Pn	09 05 31.9	+0.2
UNV	Unalaska Valle	2.38 263	P	Sn	09 05 35.3	-0.3
UNV			S	Sn	09 06 04.0	+0.4
MTBL	Makushin Table	2.47 266	P	Pn	09 05 37.5	+0.6
MSW	Makushin Switc	2.54 265	P	Pn	09 05 37.4	-0.1
WVNF	Veniaminof 8	2.57 40	P	Pn	09 05 39.8	+1.4
MGOD	Makushin Gods	2.61 262	P	Pn	09 05 40.0	+1.1
VNHG	Veniaminof 1	2.77 42	P	Pn	09 05 40.3	+1.8
CHGN	Chignik	3.14 47	P	Pn	09 05 47.8	+1.8
CHGN			P	Pn	09 06 13.9	+3.3
OKFG	Magazine Ridge	3.30 258	P	Pn	09 05 49.8	+1.5
OKTU	Okmok Mt. Tuli	3.38 258	P	Pn	09 05 50.0	+0.5

OKCE	Okmok Cone E	3.44 259	P	Pn	09 05 51.4	+1.1
ANPB	Aniakchak Plen	3.53 41	P	Pn	09 05 53.3	+1.7
NIKH	Nikolski Hill	3.98 254	P	Pn	09 05 57.9	+0.3
SPIA	Saint Paul Is	5.28 307	ePn	Pn	09 06 19.5	+1.4
KABR	Katmai Barrier	5.75 44	P	Pn	09 06 22.9	+0.9
KVTA	Katmai Vly 10	5.75 10	P	Pn	09 06 23.7	+1.2
OHAK	Old Harbor	6.02 56	P	Pn	09 06 24.8	-0.8
KAHC	Katmai Hardscr	6.08 40	P	Pn	09 06 28.3	+1.7
KDAD	Kodiak Island	6.61 53	Pn	Pn	09 06 32.8	-0.9
KDAD		4.6nm, 0.3s, baz=204, slow=5.4, SNR=33	Sn	Sn	09 07 44.3	-3.4
KDAD		12nm, 0.3s, baz=58, slow=21, SNR=6.1	Lg	Lg	09 08 10.6	
KDAD		5.7nm, 0.3s, baz=47, slow=19, SNR=9.9	LR	LR	09 09 31.0	
KDAD		comp=Z, 1um, 21.2s, baz=246, slow=4	LR	LR	09 09 31.0	
KDAD	Kodiak Island	6.61 53	iP	Pn	09 06 32.7	-1.0
FOPK	Fourpeaked Vol	6.76 44	P	Pn	09 06 38.5	+2.7
CDD	Cape Douglas	6.80 42	P	Pn	09 06 38.6	+2.2
ATKA	Atka Island	7.30 259	ePn	Pn	09 06 44.4	+1.2
ILW	Iliamna West	7.76 37	P	Pn	09 06 51.9	+2.2
SNVZ	Sparrevohn	8.75 25	P	Pn	09 06 53.0	+2.6
HOM	Home	8.06 43	ePn	Pn	09 06 54.9	+1.3
RED	Redoubt Volcan	8.14 36	P	Pn	09 06 57.9	+3.2
CNPM	China Pool	8.14 45	ePn	Pn	09 06 55.9	+1.1
RWB	Redoubt West	8.17 36	P	Pn	09 06 57.6	+2.4
RSO	Redoubt South	8.18 36	ePn	Pn	09 06 58.2	+5.5
RDJH	Redoubt Jeurge	8.26 35	P	Pn	09 06 59.7	+3.4
BRLK	Bradley Lake	8.43 44	ePn	Pn	09 06 58.5	-0.2
SPWE	Spurr West	8.84 33	P	Pn	09 07 07.7	+3.3
ADK	Adak	8.85 260	eP	Pn	09 07 05.7	+1.2
ADK		8.85 260	ePn	Pn	09 07 05.7	+1.2
CKL	Chakachamna La	8.86 34	P	Pn	09 07 07.4	+2.8
SPU	Mount Spurr	8.94 34	ePn	Pn	09 07 06.8	+1.2
SPCP	Crater Peak S	8.97 34	P	Pn	09 07 08.7	+2.5
SEW	Seward	9.22 45	P	Pn	09 07 09.7	+0.3
STLW	Strandline Lak	9.24 34	P	Pn	09 07 12.4	+2.6
TOT1	Tateno	9.34 19	P	Pn	09 07 12.9	+1.3
TTA	Tatalina	9.37 19	P	Pn	09 07 13.0	+1.5
TTA	Tatalina	9.37 19	P	Pn	09 07 13.0	+1.5
SUA	Susitna One	9.58 36	P	Pn	09 07 15.4	+0.9
RC01	Rabbit Creek A	9.70 40	ePn	Pn	09 07 16.9	+0.9
PPLA	Purkeypile	10.22 28	ePn	Pn	09 07 26.1	+2.8
PMR	Palmer	10.24 32	ePn	Pn	09 07 24.3	+0.9
PMR	Palmer	10.24 32	ePn	Pn	09 07 24.3	+0.9
GLI	Glacier Islands	10.62 45	ePn	Pn	09 07 29.1	+0.6
CAST	Castle Rocks	10.68 26	ePn	Pn	09 07 29.4	0.0
SML	Sawmill	10.68 39	ePn	Pn	09 07 31.4	+2.0
SML	Sawmill	10.68 39	ePn	Pn	09 07 31.4	+2.0
FID	Port Fidalgo	10.81 46	ePn	Pn	09 07 30.0	+1.2
EYAK	Cordova Ski Ar	11.03 48	ePn	Pn	09 07 33.6	-0.6
SCM	Sheep Creek Mo	11.07 40	ePn	Pn	09 07 33.4	-1.4
SCM	Sheep Creek Mo	11.07 40	ePn	Pn	09 07 33.4	-1.4
KTH	Kantishna Hill	11.09 28	ePn	Pn	09 07 37.2	+2.1
TRF	Thorofore Moun	11.19 29	ePn	Pn	09 07 37.6	+1.0
KLU	Klutina	11.43 44	ePn	Pn	09 07 38.9	-0.8
RAGW	Ragged Mountai	11.43 50	ePn	Pn	09 07 41.0	+1.3
BPW	Bear Paw Mtn.	11.52 26	ePn	Pn	09 07 41.9	+1.0
RND	Reindeer	11.52 32	ePn	Pn	09 07 42.9	+1.0
RND	Reindeer	11.59 32	ePn	Pn	09 07 42.9	+1.0
BMRM	Bremner River	11.72 48	ePn	Pn	09 07 44.0	+0.3
MCK	McKinley	11.80 31	ePn	Pn	09 07 46.1	+1.4
MCK	McKinley	11.80 31	ePn	Pn	09 07 46.1	+1.4
HARP	Harp	12.23 41	ePn	Pn	09 07 50.4	-0.2
CRDM	Crater Dome	12.28 50	ePn	Pn	09 07 51.5	+0.5
MLY	Manley	12.34 24	ePn	Pn	09 07 54.0	+1.9
PAX	Paxson	12.44 38	ePn	Pn	09 07 53.0	-0.6
PAX	Paxson	12.44 38	ePn	Pn	09 07 53.0	-0.6
IMAR	Indian Mount	12.56 17	ePn	Pn	09 07 57.1	+2.0
WRH	Wood River Hill	12.62 39	ePn	Pn	09 07 55.1	+2.0
BALM	Baldy	12.74 50	ePn	Pn	09 07 57.5	-0.2
BALM	Baldy	12.74 50	ePn	Pn	09 07 57.5	-0.2
CCB	Clear Creek Bu	12.81 30	ePn	Pn	09 07 56.2	-2.3
HDA	Harding Lake	12.90 31	ePn	Pn	09 07 57.9	-1.7
MDM	Murphy Dome	12.93 28	ePn	Pn	09 08 00.0	0.0
COLA	College	12.97 29	ePn	Pn	09 08 04.9	+4.2
COLA	College	12.97 29	ePn	Pn	09 08 04.9	+4.2
MENT	Mentasta	13.08 41	ePn	Pn	09 08 00.9	-1.3
ILI	Eielson Array	13.18 30	ePn	Pn	09 08 00.9	-2.6
ILAR	Eielson Array	13.18 30	ePn	Pn	09 08 00.1	-3.4
ILAR		0.3nm, 0.3s, baz=221, slow=1.9, SNR=16				

6d 9h

Y12C	baz=316,SNR=9.9	39.19 102 eP	P	09 12 24.9 +1.7
WESG	comp=Z,21nm,1.3s	39.22 104 eP	pP	09 12 24.8 +0.3
GLA	baz=317	39.22 103 eP	P	09 12 27.1 +1.1
GLA	GLA	39.52 103 eP	P	09 12 27.7 +1.7
GLA	comp=Z,17nm,1.1s	39.52 103 eP	P	09 12 27.7 +1.7
ULM	comp=Z,17nm,1.1s	39.64 67 eP	P	09 12 27.1 +0.3
ULM	comp=Z,13nm,0.9s, baz=302,slow=5.6,SNR=9.1	39.64 67 eP	P	09 12 27.5 +0.7
ULM	comp=Z,16nm,1.0s	39.64 67 eP	P	09 12 27.4 +0.7
ULM	comp=Z,16nm,1.0s	39.64 67 eP	P	09 12 27.4 +0.5
B31A	Greenbush Farm	39.66 71 P	P	09 12 27.9 +1.7
WUAZ	Wupatki	39.76 97 eP	P	09 12 29.9 +1.7
WUAZ	Wupatki	39.76 97 eP	P	09 12 29.9 +1.7
Y14A	Wickenburg	39.93 100 eP	P	09 12 30.9 +1.5
A32A	Rocking H Ranc	40.02 70 P	P	09 12 30.4 +0.5
B32A	Ashes & Strandq	40.29 70 P	P	09 12 32.3 +0.1
X16A	Lo Mia Camp, P	40.49 98 eP	P	09 12 34.6 +0.4
E31A	Nome	40.58 73 P	P	09 12 35.2 +0.5
AGMN	Agassiz Nation	40.72 70 P	P	09 12 36.1 +0.4
AGMN	Agassiz Nation	40.72 70 eP	pP	09 12 36.6 +0.9
B33A	Robert and Kas	40.88 70 P	P	09 12 37.2 +0.1
S22A	4UR Ranch, Cre	40.90 90 P	P	09 12 38.7 +1.0
B34A	Aery, Baudet	41.28 69 P	P	09 12 40.4 +0.1
X18A	Snowflake	41.28 97 eP	P	09 12 42.6 +1.9
214A	Organ Pipe Nat	41.48 102 P	P	09 12 43.4 +1.2
G32A	Webster	41.57 75 P	P	09 12 43.0 +0.2
H112N	WAKE ISLAND Hy	41.60 226 T	T	09 57 19.0
H113N	WAKE ISLAND Hy	41.60 226 T	T	09 57 19.5
H111N	WAKE ISLAND Hy	41.61 226 T	T	09 57 20.3
D34A	Park Rapids	41.78 71 P	P	09 12 44.6 +0.1
G33A	Ortonville	42.20 74 P	P	09 12 48.0 0.0
TUC	Tucson	42.39 100 P	P	09 12 50.6 +0.9
TUC	Tucson	42.39 100 eP	pmax	09 12 50.7 +1.0
TUC	comp=Z,13nm,1.3s	42.39 100 eP	pmax	09 12 50.7 +1.0
D35A	Remer	42.42 70 P	P	09 12 49.8 +0.1
USRK	Ussuriysk Ar.	42.48 284 LR	LR	09 31 02.1
F34A	Alexandria	42.51 73 P	P	09 12 50.6 +0.1
E35A	Pequot Lakes	42.53 71 P	P	09 12 50.7 +0.1
MHTCO	State Highway	42.57 89 eP	pP	09 13 04.5 +2.1
C36A	Pine Crest Far	42.69 69 P	P	09 12 51.2 -0.7
H115N	WAKE ISLAND Hy	42.77 226 T	T	09 58 34.8
H112A	WAKE ISLAND Hy	42.78 226 T	T	09 58 35.8
H113A	WAKE ISLAND Hy	42.78 226 T	T	09 58 48.4
D36A	Goodland	42.85 70 P	P	09 12 52.8 -0.4
K32A	Verdigr	42.88 78 P	P	09 12 53.1 -0.4
ECSD	EROS Data Cent	42.96 76 eP	P	09 12 54.4 0.0
ANMO	Albuquerque	43.04 93f eP	pmax	09 12 55.6 +0.6
C37A	Embarrass	43.06 69 P	P	09 12 54.9 0.0
E36A	McGregor	43.19 71 P	P	09 12 55.8 -0.2
D37A	Cotton	43.27 69 P	P	09 12 56.3 -0.3
EYMN	Ely	43.31 68 P	P	09 12 56.5 -0.5
EYMN	Ely	43.31 68 eP	P	09 12 57.6 +0.7
F36A	Milaca	43.44 72 P	P	09 12 57.7 -0.2
C38A	Sawbill Land.	43.57 68 P	P	09 12 58.4 -0.6
MJAR	Matsushiro Arr	43.83 271 P	P	09 13 00.1 -1.1
MJAR	Matsushiro	43.83 271 eP	LR	09 30 10.2
MAJO	Matsushiro	43.83 271 eP	P	09 13 00.6 -0.6
MAJO	comp=Z,83nm,0.9s	43.83 271 eP	pmax	09 13 00.7 -0.6
MAJO	comp=Z,2nm,0.8s	43.83 271 P	P	09 13 00.2 -1.0
MJB9	Matsu-Tunnel	43.83 271 eP	P	09 13 00.8 -0.4
K34A	Le Mars	43.94 77 P	P	09 13 02.0 -0.1
121A	Cookes Peak, D	43.97 97 P	P	09 13 02.6 0.0
F37A	Hilrichs Farm,	44.02 71 P	P	09 13 02.4 -0.2
M33A	Taylor Creek F	44.02 79 P	P	09 13 02.6 -0.1
E38A	The Farm, Brul	44.08 70 P	P	09 13 02.8 -0.3
F38A	Pierce - Schro	44.29 70 P	P	09 13 04.9 +0.2
J36A	Seneca 1, Swea	44.54 75 P	P	09 13 06.7 -0.1
I37A	Lemond, Waseca	44.64 74 P	P	09 13 07.7 +0.1
G38A	Ridgeland	44.79 71 P	P	09 13 08.5 -0.3
H38A	Malden Rock	44.86 72 P	P	09 13 09.1 -0.2
M35A	Neola	44.95 78 P	P	09 13 10.0 -0.1
J37A	Redenius Farm,	45.00 74 P	P	09 13 10.3 -0.2
E40A	Wakefield	45.09 69 P	P	09 13 10.8 -0.3
G39A	Holcombe	45.10 71 P	P	09 13 10.9 -0.3
F40A	Park Falls	45.29 69 P	P	09 13 12.4 -0.3
K37A	Belmond	45.29 75 P	P	09 13 12.8 0.0
H39A	Augusta	45.41 72 P	P	09 13 13.8 +0.1
I39A	Houston	45.80 73 P	P	09 13 16.5 -0.2
H40A	Chil	45.94 71 P	P	09 13 17.3 -0.6
KSUI	Kansas State U	45.97 81 P	P	09 13 18.6 +0.4
MNTX	Cornudas Mount	45.98 95 P	P	09 13 19.8 +1.5
MNTX	Cornudas Mount	45.98 95 eP	P	09 13 19.0 +0.7
J39A	Decorah	46.02 73 P	P	09 13 18.3 -0.2
P35A	Duane Minner,	46.03 80 P	P	09 13 19.3 +0.6
E42A	Champion	46.18 68 P	P	09 13 20.0 +0.3

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I40A	Norwalk	46.28 72 P	P	09 13 20.3 -0.3
K39A	Oelwein	46.32 74 P	P	09 13 20.5 -0.4
H41A	Junction City	46.36 71 P	P	09 13 21.2 0.0
CN2	Changchun	46.42 288 eP	P	09 13 20.5 -1.1
J40A	Soldiers Grove	46.53 73 P	P	09 13 21.9 -0.6
I41A	Arkaide	46.59 71 P	P	09 13 23.0 +0.1
J41A	Loganville	46.95 72 P	P	09 13 25.0 -0.8
M39A	Wester	46.96 76 P	P	09 13 25.4 -0.5
L40A	Anamosa	47.12 74 P	P	09 13 27.3 +0.2
I42A	Draeger Farm,	47.23 71 P	P	09 13 27.7 -0.3
K41A	Shullsburg	47.28 73 P	P	09 13 27.5 -0.9
DAG	Danmarks Havn	47.28 11 P	P	09 13 27.5 -0.4
DAG	Danmarks Havn	47.28 11 iP	pmax	09 13 27.5 -0.4
DAG	comp=Z,21nm,0.8s	47.28 11 P	pmax	09 13 27.5 -0.4
WMOK	Wichita Mount	47.69 87 eP	pmax	09 13 31.8 +0.1
WMOK	Wichita Mount	47.69 87 eP	P	09 13 31.8 +0.1
K42A	Prairie Point,	47.70 72 P	P	09 13 31.4 -0.2
SUMG	Summit	47.72 20 iP	P	09 13 32.6 +0.7
SUMG	Summit	47.72 20 eP	pmax	09 13 32.7 +0.8
SUMG	Summit	47.72 20 eP	pmax	09 13 32.7 +0.8
S37A	Fort Scott	47.91 81 P	P	09 13 33.0 -0.3
P39B	Salisbury	47.94 78 P	P	09 13 33.8 +0.3
Q40A	La Belle	48.02 77 P	P	09 13 34.4 +0.2
Q39A	Willow Grove F	48.11 79 P	P	09 13 35.5 +0.6
R38A	Fenwick Farm,	48.15 80 P	P	09 13 35.5 +0.3
F46A	Macinaw City C	48.30 66 P	P	09 13 36.1 -0.1
P40A	Paris	48.32 77 P	P	09 13 36.7 +0.3
Q41A	Passleys Farm,	48.59 76 P	P	09 13 38.4 -0.1
N42A	Yates City	48.60 75 P	P	09 13 38.4 -0.2
Q40A	Laux Farm, Aux	48.66 78 P	P	09 13 39.7 +0.6
TX31	Lajitas Ar. Si	48.72 96 eP	P	09 13 39.4 -0.3
TXAR	Lajitas Array	48.72 96 P	P	09 13 40.6 +0.9
SFJD	Kangerlussuaq	48.84 29 iP	P	09 13 40.9 +0.9
SFJD	Kangerlussuaq	48.84 29 eP	pmax	09 13 41.0 +0.9
SFJD	comp=Z,23nm,0.8s	48.84 29 eP	pmax	09 13 41.0 +0.9
SFJD	comp=Z,23nm,0.8s	48.84 29 eP	P	09 13 41.0 +0.9
Q41A	Truxton	49.17 77 P	P	09 13 42.7 -0.3
HDIL	Hopedale	49.20 75 P	P	09 13 42.6 -0.6
HDIL	Hopedale	49.20 75 eP	P	09 13 43.0 -0.2
KSRS	Korea Array	49.21 280 P	P	09 13 43.4 +0.1
KSRS	comp=Z,14nm,0.9s, baz=56,slow=6.8,SNR=29	49.21 280 LR	LR	09 33 59.4
KS01	Wonju Array Si	49.21 280 eP	P	09 13 42.9 -0.4
KS15	Wonju Array Si	49.24 280 eP	P	09 13 43.5 -0.0
KSAR	Wonju Array Be	49.24 280 P	P	09 13 43.4 -0.2
KSAR	Wonju Array Be	49.24 280 P	P	09 13 43.4 -0.2
P42A	Winchester	49.26 76 P	P	09 13 43.3 -0.3
Y35A	Marietta	49.30 86 P	P	09 13 44.6 +0.5
R41A	Rosebud	49.54 78 P	P	09 13 45.6 -0.2
Q42A	Golden Eagle	49.60 77 P	P	09 13 46.5 +0.2
U39A	Green Forest	49.64 81 P	P	09 13 47.0 +0.3
P43A	Skaggs, Pawnee	49.69 76 P	P	09 13 47.1 +0.2
Y36A	Durbin	49.74 86 P	P	09 13 47.6 +0.2
S41A	Jillico Farms,	49.81 79 P	P	09 13 47.9 -0.1
Q43A	New Douglas	50.06 76 P	P	09 13 50.3 +0.5
JCT	Junction City	50.14 92 P	P	09 13 51.2 +0.7
S42A	Caledonia	50.23 78 P	P	09 13 51.4 +0.3
TJN	Taejon	50.28 279 eP	P	09 13 51.5 +0.1
O45A	Potomac	50.29 74 P	P	09 13 52.0 +0.5
P44A	Sand Creek, Wi	50.31 75 P	P	09 13 52.2 +0.5
R43A	Red Bud	50.38 77 P	P	09 13 53.1 +0.9
WHTX	Lake Whitney,	50.42 89 P	P	09 13 53.9 +1.3
SFIN	Lafayette	50.56 73 P	P	09 13 53.7 +0.2
SFIN	Lafayette	50.56 73 eP	P	09 13 54.1 +0.6
W40A	Ferguson Farm,	50.71 82 eP	P	09 13 55.0 +0.3
S43A	Fulton Ridge,	50.78 78 P	P	09 13 54.9 -0.4
V41A	Mountainview	50.82 81 P	P	09 13 55.0 -0.7
MIAR	Mount Ida	50.87 83 eP	pmax	09 13 56.4 +0.5
MIAR	comp=Z,20nm,1.4s	50.87 83 eP	pmax	09 13 56.4 +0.5
O47A	Sheridan	51.17 73 P	P	09 13 57.3 -0.9
P47A	Martinsville	51.63 73 P	P	09 14 01.4 -0.2
139A	Bunkhouse Ranc	51.72 86 P	P	09 14 02.2 -0.1
833A	Chaparral WMA,	51.97 93 P	P	09 14 05.0 +0.8
TLY	Talaya	52.49 308 P	P	09 14 07.5 -0.3
HKT	Hockley	52.85 89j eP	P	09 14 14.7 +4.0
HKT	comp=Z,19nm,1.0s	52.85 89j eP	pmax	09 14 14.7 +4.0
WVT	Waverly	53.08 78 eP	pmax	09 14 11.9 -0.4
WVT	comp=Z,12nm,0.8s	53.08 78 eP	P	09 14 11.9 -0.4
SONA1	Songino Array	53.79 303 eP	P	09 14 16.9 -0.7
SONM	Songino Array	53.80 303 P	P	09 14 17.0 -0.7
SONM	comp=Z,2.9nm,1.0s, baz=46,slow=5.7,SNR=14	53.80 303 P	P	09 15 22.7 -0.4
MMNY	Mt. Morris Dam	53.99 65 eP	P	09 14 18.8 -0.2
NCB	Newcomb	55.06 62 eP	P	09 14 26.4 -0.3
SCPA	Standing Stone	55.46 67 eP	P	09 14 29.3 -0.3
TKL	Tuckaleechee C	55.73 75 LR	LR	09 36 32.6
HHC	Hu-ho-hao-te	56.01 294 eP	pmax	09 14 33.7 0.0
HHC	comp=Z,16nm,0.6s	56.01 294 eP	pmax	09 14 33.7 0.0
ARCES	ARCESS Array B	56.42 357 P	P	09 14 34.9 -1.2
ARCES	comp=Z,7.9nm,1.0s, baz=6.3,slow=12,SNR=4.9	56.42 357 eP	P	09 14 35.6 -0.5
ARCES	ARCESS Array B	56.42 357 eP	P	09 14 35.6 -0.5

AREO	ARCESS Array S	56.42 357 eP	P	09 14 35.8 -0.2
IP06	Yanceyville	57.33 69 eP	P	09 14 42.7 -0.3
SPFD	comp=Z,63nm,1.8s	57.44 69 eP	P	09 14 43.6 -0.1
EMMW	East Machias	57.95 57 eP	P	09 14 46.3 -0.9
GGN	Saint George	57.98 56 eP	P	09 14 45.8 -1.5
NJ2	Nanjing	58.26 282 eP	P	09 14 51.2 +1.5
NJ2	comp=Z,16nm,0.9s	58.26 282 eP	pmax	09 14 51.2 +1.5









Table with columns: ID, Name, Time, Az, El, P, S, Az, El, P, S, Az, El, P, S. Includes stations like Yeager Farm, Hickory Valley, Winona, Trindle Farm, Trinidad, etc.

Table with columns: SADO, CMIG, NEIC, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Sadowa, Matias Romero, Dutton South H, etc.

Table with columns: VMUR, CLDR, GURO, BPBC, PHC, MAYB, TLBC, BBB, NCRB, CSEM, DDA, ISK, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Van-Muradiye, Caldiran, Guroymak-BITLI, etc.





Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like MDJ, MAJO, MAJ, MA, G36A, 319A, K34A, 121A, H36A, F37A, M33A, J35A, E38A, C39A, SPMN, F38A, K35A, J36A, H37A, C40A, I37A, HSIG, O33A, E39A, G38A, F39A, H38A, K36A, M35A, J37A, FRB, E40A, G39A, INU, I38A, EPT, F40A, K37A, N35A, H39A, D41A, E41A, J38A, L37A, G40A, I39A, K38A, M37A, H40A, F41A, KSU1, MNTX, J39A, P35A, L38A, E42A, G41A, O36A, N37A, CN2, CN2, CN2, CN2, H40A, K39A.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like H41A, M38A, F42A, J40A, I41A, L39A, G42A, E43A, K40A, N38A, J41A, F43A, M39A, KBS, KBS, G43A, H42A, S35A, O38A, JFWS, JFWS, L40A, ILULI, ILULI, ILULI, N39A, I42A, DAG, DAG, F44A, K41A, M40A, P38A, J42A, H43A, L41A, I43A, WMOK, WMOK, WMOK, SUMG, SUMG, SUMG, E45A, K42A, Q38A, SPA0, J43A, S37A, P39B, M41A, O40A, Q39A, N41A, F46A, P40A, K43A, L43A, S38A, R39A, O41A, SNY, SNY, SNY, SNY, T38A, P41A, M43A, SFJD, SFJD.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like SFJD, SFJD, S39A, LPIG, O42A, N43A, R40A, KSRS, KSRS, KS01, U38A, KS15, KSAR, KSAR, Q41A, HDIL, HDIL, T39A, P42A, Y35A, HPIG, M44A, O43A, HHAR, V38A, R41A, Q42A, U39A, P43A, N44A, Y36A, CCM, CCM, CCM, INCN, X37A, S41A, R42A, V39A, O44A, W38A, N45A, U40A, Q43A, Y37A, Z36A, TJN, JCT, JCT, JCT, S42A, M46A, O45A, FVM, FVM, P44A, JNU, R43A, N46A, WHTX, WHTX, V40A, Q44A, SFIN, SFIN, U41A, X39A, VLDO, I36A, W40A, W40A, S43A, V41A, MIAR, MIAR, MIAR, R44A, T43A, P46A, WHAR, OLIL.

6M 10h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like Poplar Bluff, Carbondale, Ann Arbor, etc.

2011 NOV

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

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like Gaotai, Lanzhou, Kurchatov, etc.



Table with columns: Station, Name, Az, El, P, M, Az, El, P, M, Az, El, P, M. Includes stations like Phitsnulok, Saint Sauveur, Capurgana, etc.

Table with columns: Station, Name, Az, El, P, M, Az, El, P, M, Az, El, P, M. Includes stations like Valandovo, San Pablo, Tirane, etc.

Table with columns: Station, Name, Az, El, P, M, Az, El, P, M, Az, El, P, M. Includes stations like VANB Van, VANB Van, TVAN Van, etc.

ICD 06 10:44:22.1±3.0, 24:65N±124:76E, h0km, mb3.74, mb1 3.9/6, mb1mx3.6/43, mb1mp3.7/6, ML3.3/2, Error ellipse: s-maj=153.4km s-min=21.7km az=98.0, ISCJB 06 10:44:27.0±4.2, 24:33N±108:125:30E±0.05, h62km, 3km, mb3.8/4, Error ellipse: s-maj=14.5km s-min=4.5km az=152.0

JMA 06 10:44:28.7±0.1, 24:75N±125:30E, h55km±1km, M3.7 JMA Felt I J1.

ISC 06 10:44:29.1±0.8, 24:74N±109:125:32E±0.05, h53km±5km, n28, ±0101/37, mb3.8/4, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, El, P, M, Az, El, P, M, Az, El, P, M. Includes stations like JOGS Gusukube, JOGS Gusukube, JMJJ Miyako jima, etc.

CSEM 06 10:51:10.7±0.3, 36:42N±25:44E, h5km±1km, MLO.8, Error ellipse: s-maj=14.5km s-min=9.9km az=81.0, ATH 06 10:51:10.3, 36:44N±25:44E, h9km±3km, MLO.8/2, Error ellipse: s-maj=4.0km s-min=1.9km az=57.0

THE 06 10:51:10.9, 36:42N±25:43E, h5km±1km, MLO.9/3, Error ellipse: s-maj=1.1km s-min=0.4km az=64.0

Table with columns: Code, Station Name, Az, El, P, M, Az, El, P, M, Az, El, P, M. Includes stations like THR7 Fira-Santorini, THR7 Fira-Santorini, THR2 Imerovigli, etc.

Table with columns: SANT, comp=N, 139um, 0.1s, AML, AML, 10 51 13.9, 10 51 14.0, 10 51 12.5 +0.2, 10 51 13.8 +0.5, 10 51 12.5 +0.2, 10 51 13.8 +0.5, 10 51 12.6 +0.2, 10 51 12.6 +0.2, 10 51 12.4 0.0, 10 51 13.1 +0.6, 10 51 12.9 +0.4, 10 51 14.3 +0.7, 10 51 12.9 +0.4, 10 51 14.3 +0.7

ISC/JB 06 10:52:33.9-0.4, 35.58N, 0.01-96.82W, 0.02, h8km, 3km, Error ellipse: s-maj=2.2km s-min=1.9km az=3.6

IDC 06 10:52:34.3-1.0, 35.67N, 96.81W, h0km, mb1 3.9/5, mb1mx3.5/45, mbtmp3.6/5, ML3.5/5, Error ellipse: s-maj=14.5km s-min=9.9km az=154.0

NEIC 06 10:52:35.0-0.0, 35.54N, 96.78W, h3km, MW3.6, ML3.8(TUL), Moment Tensor Solution. s22 Moment tensor: Scale 10^14Nm, Mrr=0.16, Mtheta=2.45, Mphi=0.07, Mxx=0.53, Myy=0.63, Best double couple. Mz2: 70000x10^14, NP1: 140 000000, S80 000000, L-1: 10 000000, NP2: 232 000000, S80 000000, L-1: 170 000000, Principal axes: T 2.6600, P1g0 00000, Azm6.0000; N 0.0000, P1g76 00000, Azm275.0000; P -2.6600, P1g14 00000, Azm96.0000; After TUL.

NEIC Felt [V] at Chandler and Oklahoma City; [IV] at Edmond and Lexington; [III] at Muskogee, Norman, Shawnee, Tulsa, Watts and Yukon; [II] at Lawton. Felt widely in Oklahoma and in parts of Arkansas, Kansas, Missouri and Texas.

ISC 06 10:52:34.8-0.9, 35.54N, 0.02-96.75W, 0.02, h12km, 6gkm, n252, r164/294, Oklahoma

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, ISC. Rows include V35A Meyer Ranch, C, W35A Meyer Ranch, C, W35A Tecumseh, W35A Jenks, V36A Jenks, U35A Pawnee, U35A Leonard, X36A Centrahoma, W37B Quinton, W37B Drake, X35A Oologah, U36A Hulbert, V37A Sooner Cattle, T35A Clayton, X37A McClaskey Farm, T34A Salina, U37A Marietta, Y35A Boggs Farm, Ca, T36A Durant, Y36A Whitesboro, X38A Hugo, Y37A Wichita Mounta, WMOK Wichita Mounta, WMOK Poteau, V38A Canehill, U32A Winter Ranch, U37A Gravette, T37A Cheneyville 18, S35A Otter Creek Ra, S34A Willow Spring, Z36A Blue Ridge, Y38A Idabel, S36A Lake Cedric, C, X39A Fountain Ranch, HHAR Hobbs, HHAR Magazine, T38A Diamond, Z37A Pogue Cattle, C, V39A Pettigrew, S37A Fort Scott

Table with columns: Y39A Lockesburg, MIAR Mount Ida, MIAR Mount Ida, R34A Isabella, Hill, R35A Muncie, R36A Gordon, Harris, W40A Ferguson Farm, W40A Ennis, S38A Stockton, T39A Clever, Z39A Irene, R37A Teagarden Farm, I38A Matallat Enter, V40A Witts Springs, U40A Okolona, U40A Yellville, Q35A Mercer Eighty, X40A Fenwick Farm, Q34A Chapman, R38A Bolivar, W40A White Oak Lake, KSU1 Kansas State U, KSU1 Kansas State U, Q36A Arnold C. Orve, Z40A Long Farm, Mag, WHTX Lake Whitney, WHTX Lake Whitney, WHAR Woolly Hollow, WHAR University of, U41B Gary Mavity, V41A Mountainview, ABTX Abilene, Hawle, ABTX Abilene, Hawle, T40A Mansfield, Z38A Jacksonville, Y41A Eaglette Beard, Q37A Longview Farm, 140A Cam and Jess, Z41A Richland Creek, S40A Lebanon, Z39A Gary, U41A Viola, P34A Walnut Farm, R, P35A Duane Mimmer, CBK3 Cedar Bluff, CBK3 Cedar Bluff, R39A Chumby, Stover, 336A Riesel, NATX Neapochosches, Q38A Cooks Store, C, P36A Good Intent, A, 337A Centerville, W42A Bald Knob, T41A Mountain View, X42A Stuttgart, 141A Papa Simpson, 338A Crockett, V42A Cord, CCAR Crane Creek, Y42A Garnett, Star, P37A Lathrop, S41A Jillico Farms, R40A Maddies Statio, U42A Revende, O33A Hebron, Q39A Willow Grove F, O34A Beatrice, 340A Bronson, O35A Humboldt, 435B Jarrell, O36A Bolckow, P38A Dawn, X43A Marve, HBAR Harrisburg, 439A Center Grove, O37A Wolfen Farm, M, P39B Salisbury, Q40A Laux Farm, Aux, CCM Cathedral Cave, R41A Rosebud, 341A Kurthwood, MSTX Muleshoe

Table with columns: MSTX Muleshoe, U43A Rector, O38A Galt, PBMO Poplar Bluff, S42A Caledonia, N34A Lincoln, N35A Tabor, T43A Greenville, N36A Muff Farm, Cla, P40A Panix, R42A Luebering, X44A Crenshaw, Q41A Truxton, N37A Lee Faris, Mou, Y44A Strider, Charl, FVM French Village, FVM French Village, JCT Junction City, JCT Junction City, S43A Fulton Ridge, O39A Kirksville, KSCO Kaye Shedlock, KSCO Kaye Shedlock, N38A Joes South For, BGNE Belgrade, BGNE Belgrade, O40A La Belle, 636A Smothers Creek, EBZ Ebenezer Churc, GLAT Glass, M36A Anita, OXF Oxford, P41A Barry, Barry, X45A UM Field Stati, Y45A Yeager Farm, C, W45A Hickory Valley, M37A Trindle Farm, N39A Derby Farms, D, V45A Humboldt, T25A Trinidad, T25A Trinidad, S44A Carbondale, UTMIT University of, P42A Winestey, O41A Passleys Farm, Q43A New Douglas, MHTCO State Highway, 735A Kenedy, 735A Kenedy, L36A Harm Buss Farm, OGNB Ogallala, OGNB Ogallala, SCIA State Center, SCIA State Center, N41A Harden Midland, L37A Phoenix Point, O42A Bath, P43A Skaggs, Pawnee, PLAL Pickwick Lake, PLAL Pickwick Lake, M40A Post Highland, L38A Oak Wood Farm, K31A O'Neill, WVT Waverly, WVT Waverly, K36A Gilmore City, SDCO Great Sand Dun, SDCO Great Sand Dun, N42A Yates City, Q24A Divide, Q24A Divide, 833A Chaparral WMA, USIN University of, HDIL Hopedale, HDIL Hopedale, HDIL Hopedale, K36A Parkersburg, J42A George, J32A Parkston, Z48A Northport, J31A Geddes, ANMO Albuquerque, ANMO Albuquerque, ANMO Albuquerque, L41A Preston, MNTX Cornudas Mount, MNTX Cornudas Mount, ECSD EROS Data Cent, ECSD EROS Data Cent, LPM Los Pinos Mount, ISCO Idaho Springs, ISCO Idaho Springs, K40A Colesburg, S22A 4UR Raney, C, I32A Arley and Nic









BINGOL	1.88 276	iP	Pn	13 34 56.1 +0.5
BINGOL		iS	Sg	13 35 22.3 -1.8
EAK Akyaka	1.89 1	iP	Pn	13 34 58.8 -1.2
EAK Akyaka	1.89 1	iP	Pg	13 34 58.8 -1.2
SVAN Silvan-Diyarba	1.95 252	ePn	Pn	13 34 56.8 +0.3
SVAN Silvan-Diyarba	1.95 252	iP	Sb	13 35 21.9 -1.4
SVAN Silvan-Diyarba	1.95 252	ePn	Pn	13 34 56.8 +0.3
SVAN Silvan-Diyarba	1.95 252	iP	Sb	13 34 57.8 -1.3
SVAN Silvan-Diyarba	2.00 333	ePn	Pn	13 35 21.9 -1.4
SENK Senkaya-Erzuru	2.00 333	ePn	Pn	13 34 57.3 +0.2
SENK Senkaya-Erzuru	2.00 333	ePn	Pn	13 35 00.5 -2.1
BTM Batman	2.00 244	iP	Pn	13 34 58.0 +0.8
BTM Batman		iS	Sb	13 35 24.6 -0.3
BTM Batman	2.00 244	iP	Pn	13 34 58.0 +0.8
BTM Batman		iS	Sb	13 35 24.6 -0.3
ERZ Erzurum	2.02 304	iP	Pn	13 34 58.5 +1.9
ERZ Erzurum	2.02 304	iP	Pn	13 34 58.5 -1.9
ECAT Cat-ERZURUM	2.16 293	iP	Pb	13 35 01.0 -1.7
ECAT Cat-ERZURUM	2.16 293	iP	Pb	13 35 01.0 -1.7
BNGB Bing'li	2.25 276	ePn	Pn	13 35 00.6 -0.1
BINT Bingol	2.29 273	ePn	Pn	13 35 00.5 -2.1
BINT Bingol	2.29 273	ePn	Pn	13 35 00.5 -2.1
YEDI Yedisu-Bingol	2.42 286	ePn	Pn	13 35 03.3 +0.2
YEDI Yedisu-Bingol	2.42 286	ePn	Pn	13 35 03.3 +0.2
BGD Bogdanovka	2.47 1	iP	Pg	13 35 12.0 +0.9
HANI Diyarbakir-Han	2.50 262	iP	Pn	13 35 04.8 +0.8
HANI Diyarbakir-Han	2.50 262	iP	Pn	13 35 04.8 +0.8
DDEI Demirkent	2.51 327	iP	Pn	13 35 07.3 -1.4
DDEI Demirkent	2.51 327	iP	Pn	13 35 07.3 -1.4
GDB GEDABAY	2.57 41	iP	Pn	13 35 05.3 +0.2
GDB GEDABAY	2.57 41	iP	Pn	13 35 05.3 +0.2
GDB GEDABAY	2.57 41	iP	Pn	13 35 05.3 +0.2
GDB GEDABAY	2.57 41	iP	Pn	13 35 05.3 +0.2
GDB GEDABAY	2.57 41	iP	Pn	13 35 05.3 +0.2
AGILL Agillar	2.61 332	iP	Pn	13 35 06.6 +1.0
AKH Akhalkalaki	2.62 359	iP	Pg	13 35 12.0 -1.9
AKH Akhalkalaki	2.62 359	iP	Pg	13 35 12.6 -1.2
AKH Akhalkalaki	2.62 359	eP	Pn	13 35 11.9 -1.9
AKH Akhalkalaki	2.62 359	eP	Pn	13 35 04.3 -1.7
MARD Mardin	2.64 237	ePn	Pn	13 35 06.0 +0.0
MARD Mardin	2.64 237	ePn	Pn	13 35 06.0 +0.0
MARD Mardin	2.64 237	ePn	Pn	13 35 06.0 +0.0
KOPT Kop Dag	2.66 298	iP	Pb	13 35 10.5 -0.8
KOPT Kop Dag	2.66 298	iP	Pb	13 35 09.5 -1.8
KOPT Kop Dag	2.66 298	ePn	Pb	13 35 09.5 -1.8
QZX Qazax, Azerbai	2.66 31	iP	Pn	13 35 06.8 +0.5
QZX Qazax, Azerbai	2.66 31	iP	Pn	13 35 06.8 +0.5
QZX Qazax, Azerbai	2.66 31	iP	Pn	13 35 41.1 -2.7
ARTV Artvin	2.70 333	ePn	Pn	13 35 09.9 +1.3
ARTV Artvin	2.70 333	ePn	Pn	13 35 08.4 -0.2
MAZI Mazidag	2.78 242	ePn	Pn	13 35 04.0 +1.4
MAZI Mazidag	2.78 242	ePn	Pn	13 35 08.4 -0.2
DIYA Diyarbakir	2.83 253	iP	Sg	13 35 07.3 -1.8
DIYA Diyarbakir	2.83 253	iP	Sg	13 35 09.9 +1.3
GANJ Ganja	2.83 48	iP	Pn	13 35 08.4 -0.2
GANJ Ganja	2.83 48	iP	Pn	13 35 08.4 -0.2
GANJ Ganja	2.83 48	iP	Pn	13 35 44.0 +1.4
DBOC Borcka	2.93 31	iP	Pb	13 35 15.0 -0.8
KBSD Kabsdagh	2.97 234	eP	Pn	13 35 11.4 +0.9
KBSD Kabsdagh		AML	Pn	13 35 28.6
TBLG Delisi	3.08 17	iP	Pb	13 35 19.0 +0.8
TBLG Delisi	3.08 17	iP	Pb	13 35 19.0 +0.8
EUZM Uzumlu	3.13 288	iP	Pn	13 35 17.6 -1.5
BRDA Brd	3.17 61	iP	Pn	13 35 12.4 -0.8
BRDA Brd	3.17 61	iP	Pn	13 35 12.4 -0.8
BRDA Brd	3.17 61	iP	Pn	13 35 12.4 -0.8
MNGR Mingechevir, A	3.37 53	iP	Pn	13 35 50.2 -0.6
MNGR Mingechevir, A	3.37 53	iP	Pn	13 35 15.6 -0.3
MNGR Mingechevir, A	3.37 53	iP	Pn	13 35 56.8 +1.1
MNGR Mingechevir, A	3.37 53	iP	Pn	13 35 56.8 +1.1
ZRD Zardab	3.53 64	iP	Pn	13 35 17.2 -0.9
ZRD Zardab	3.53 64	iP	Pn	13 36 00.3 +0.7
ZRD Zardab	3.53 64	iP	Pn	13 35 17.2 -0.9
ZRD Zardab	3.53 64	iP	Pn	13 35 17.2 -0.9
Kelki Kelki	3.59 294	iP	Pn	13 35 03.7 +0.7
SFNW Sufian	3.61 230	eP	Pn	13 35 20.3 +0.9
SFNW Sufian	3.61 230	eP	Pn	13 36 15.4 -4.2
SFNW Sufian		AML	Pn	13 36 23.1
SFNW Sufian		AML	Pn	13 35 20.1 +0.7
SFNW Sufian		AML	Pn	13 36 15.2 -4.5
SFNW Sufian		AML	Pn	13 36 23.1
ZKTA Zakatala	3.69 39	iP	Pn	13 35 20.7 +0.3
ZKTA Zakatala	3.69 39	iP	Pn	13 35 21.1 +0.5
SEKA Sheki	3.70 48	iP	Pn	13 35 21.1 +0.5
SEKA Sheki	3.70 48	iP	Pn	13 35 21.1 +0.5
SEKA Sheki	3.70 48	iP	Pn	13 36 06.5 +2.5
SEKA Sheki	3.70 48	iP	Pn	13 35 21.1 +0.5
LRK Lerik	3.75 91	iP	Pn	13 35 19.2 -2.2
LRK Lerik	3.75 91	iP	Pn	13 36 03.5 +1.9
LRK Lerik	3.75 91	iP	Pn	13 35 19.2 -2.2
LRK Lerik	3.75 91	iP	Pn	13 36 03.5 +1.9
MZRK Al-Mazaregh	3.75 219	eP	Pn	13 35 25.2 -4.5
MZRK Al-Mazaregh	3.75 219	eP	Pn	13 36 24.8 +0.7
MZRK Al-Mazaregh		AML	Pn	13 36 55.0
REFA Refahiye_ERZ	3.77 281	iP	Pg	13 35 32.8 -3.1
ONI Oni	3.80 359	iP	Pb	13 35 30.5 0.0
ONI Oni	3.80 359	iP	Pb	13 35 30.5 0.0
GLBA Ciliabad	3.80 82	iP	Pn	13 35 20.2 -1.7
GLBA Ciliabad	3.80 82	iP	Pn	13 35 20.2 -1.7
GLBA Ciliabad	3.80 82	iP	Pn	13 36 04.9 -1.5
GLBA Ciliabad	3.80 82	iP	Pn	13 35 20.2 -1.7
KDMR Kurdemir	3.92 65	iP	Pn	13 35 22.5 -1.0
KDMR Kurdemir	3.92 65	iP	Pn	13 36 09.0 -0.2
KDMR Kurdemir	3.92 65	iP	Pn	13 36 03.5 +1.9
KDMR Kurdemir	3.92 65	iP	Pn	13 36 09.0 -0.2
SAAT Saatly	3.93 73	iP	Pn	13 35 21.9 -1.7
SAAT Saatly	3.93 73	iP	Pn	13 36 08.1 -1.4
SAAT Saatly	3.93 73	iP	Pn	13 35 21.9 -1.7
SAAT Saatly	3.93 73	iP	Pn	13 36 08.1 -1.4
QBL Gabala	3.94 56	iP	Pn	13 36 10.4 +0.4
QBL Gabala	3.94 56	iP	Pn	13 36 10.4 +0.4
QBL Gabala	3.94 56	iP	Pn	13 35 23.2 -0.7
QBL Gabala	3.94 56	iP	Pn	13 36 10.4 +0.4
SANL SANLIURFA_Merk	3.95 247	iP	Pb	13 35 33.7 +0.6
KEMA Kemaliye	3.96 279	iP	Pn	13 35 25.6 +2.4
KEMA Kemaliye	3.96 279	iP	Pn	13 35 25.6 +2.4
ZEI Tsey	4.00 4	eP	Pn	13 35 30.3 -3.8
ZEI Tsey		AML	Pn	13 35 30.3 -3.8
LKRN Lenkeran, Azer	4.09 89	iP	Pn	13 35 23.9 -1.9
LKRN Lenkeran, Azer	4.09 89	iP	Pn	13 35 11.9 -1.6
LKRN Lenkeran, Azer	4.09 89	iP	Pn	13 35 23.9 -1.9
LKRN Lenkeran, Azer	4.09 89	iP	Pn	13 35 11.9 -1.6
IML Ismayilli	4.09 59	iP	Pn	13 35 25.1 -0.8
IML Ismayilli	4.09 59	iP	Pn	13 35 13.6 -0.1
IML Ismayilli	4.09 59	iP	Pn	13 35 25.1 -0.8
IML Ismayilli	4.09 59	iP	Pn	13 35 13.6 -0.1
ASTR Astara	4.11 92	iP	Pn	13 35 24.1 -2.0
ASTR Astara	4.11 92	iP	Pn	13 36 11.8 -2.2
ASTR Astara	4.11 92	iP	Pn	13 35 24.1 -2.0
ASTR Astara	4.11 92	iP	Pn	13 36 11.8 -2.2
ASTR Khinaliq	4.25 55	iP	Pn	13 36 17.9 -0.6
ASTR Khinaliq	4.25 55	iP	Pn	13 36 17.9 -0.6
XNO XNO	4.25 55	iP	Pn	13 35 27.7 -0.6
XNO XNO	4.25 55	iP	Pn	13 36 17.9 -0.6
ATAB Bozova	4.35 254	iP	Pb	13 35 42.6 +2.7
POL Pirkuli	4.37 61	iP	Pn	13 35 28.8 -1.0
POL Pirkuli	4.37 61	iP	Pn	13 35 28.8 -1.0
POL Pirkuli	4.37 61	iP	Pn	13 35 28.8 -1.0
POL Pirkuli	4.37 61	iP	Pn	13 35 28.8 -1.0
ALIB &Auml;li-Bayra	4.39 73	iP	Pn	13 35 28.6 -0.1
ALIB &Auml;li-Bayra	4.39 73	iP	Pn	13 35 28.6 -0.1
ALIB &Auml;li-Bayra	4.39 73	iP	Pn	13 35 28.6 -0.1
ALIB &Auml;li-Bayra	4.39 73	iP	Pn	13 35 28.6 -0.1
NEY Neytrino	4.45 352	iP	Pn	13 35 32.8 +1.2
NEY Neytrino	4.45 352	iP	Pn	13 35 32.8 +1.2
GBS Gobustan	4.51 66	iP	Pn	13 35 30.6 -1.1
GBS Gobustan	4.51 66	iP	Pn	13 36 23.4 -0.7
GBS Gobustan	4.51 66	iP	Pn	13 36 23.4 -0.7
GBS Gobustan	4.51 66	iP	Pn	13 36 23.4 -0.7
QUSAR Qusar	4.52 52	iP	Pn	13 35 31.3 -0.5
QUSAR Qusar	4.52 52	iP	Pn	13 36 24.8 +0.5
QUSAR Qusar	4.52 52	iP	Pn	13 35 31.3 -0.5

QUSAR Qusar	4.52 52	iP	Pn	13 35 31.3 -0.5
QUBA Quba, Azerbaij	4.58 54	iP	Pn	13 35 24.8 +0.5
QUBA Quba, Azerbaij	4.58 54	iP	Pn	13 35 24.8 +0.5
QUBA Quba, Azerbaij	4.58 54	iP	Pn	13 35 26.0 +0.4
QUBA Quba, Azerbaij	4.58 54	iP	Pn	13 35 26.0 +0.4
ATTAG Altighaj	4.64 62	iP	Pn	13 35 32.0 +0.6
ATTAG Altighaj	4.64 62	iP	Pn	13 35 32.0 +0.6
ATTAG Altighaj	4.64 62	iP	Pn	13 36 27.1 -1.1
ATTAG Altighaj	4.64 62	iP	Pn	13 35 32.5 -1.0
ATTAG Altighaj	4.64 62	iP	Pn	13 36 27.1 -1.1
KSRV Kasrt alli	4.65 233	eP	Pn	13 35 35.0 +1.4
KSRV Kasrt alli	4.65 233	eP	Pn	13 36 39.9 -1.1
KSRV Kasrt alli		AML	Pn	13 37 01.9
KSRV Kasrt alli		AML	Pn	13 35 33.1 -0.5
KSRV Kasrt alli		AML	Pn	13 36 32.9 +5.5
KSRV Kasrt alli		AML	Pn	13 37 01.7
NCK Nalchik	4.70 0	eP	Pn	13 35 34.8 +0.5
NCK Nalchik	4.70 0	eP	Pn	13 35 34.8 +0.5
SIZA Siyaz	4.70 59	iP	Pn	13 35 33.5 -0.9
SIZA Siyaz	4.70 59	iP	Pn	13 35 33.5 -0.9
GROG Groznyy	4.72 20	eP	Pn	13 35 49.7 -4.4
GROG Groznyy		AML	Pn	13 35 49.7 -4.4
GZT Gaziantep	4.93 255	iP	Pb	13 35 44.4 -5.6
KBZ Khabaz	4.96 355	iP	Pn	13 35 42.6 +4.8
KBZ Khabaz		AML	Pn	13 37 28.2
GOBA Gobu	5.04 69	iP	Pn	13 35 37.7 -1.2
GOBA Gobu	5.04 69	iP	Pn	13 36 36.0 -1.0
GOBA Gobu	5.04 69	iP	Pn	13 36 36.0 -1.0
GOBA Gobu	5.04 69	iP	Pn	13 36 36.0 -1.0
KIV Kislovodsk	5.20 353	eP	Pn	13 35 42.7 +1.5
KIV Kislovodsk		AML	Pn	13 35 42.7 +1.5
KIV Kislovodsk		AML	Pn	13 35 12.0 -1.9
KIV Kislovodsk		AML	Pn	13 35 12.6 -1.2
KIV Kislovodsk		AML	Pn	13 35 11.9 -1.9
KIV Kislovodsk		AML	Pn	13 35 04.3 -1.7
KIV Kislovodsk		AML	Pn	13 35 06.0 +0.0
KIV Kislovodsk		AML	Pn	13 35 10.5 -0.8
KIV Kislovodsk		AML	Pn	13 35 09.5 -1.8
KIV Kislovodsk		AML	Pn	13 35 09.5 -1.8
KIV Kislovodsk		AML	Pn	13 35 06.8 +0.5
KIV Kislovodsk		AML	Pn	13 35 44.0 +1.4
KIV Kislovodsk		AML	Pn	13 35 08.4 -0.2
KIV Kislovodsk		AML	Pn	13 35 44.0 +1.4
KIV Kislovodsk		AML	Pn	13 35 15.0 -0.8
KIV Kislovodsk		AML	Pn	13 35 11.4 +0.9
KIV Kislovodsk		AML	Pn	13 35 28.6
KIV Kislovodsk		AML	Pn	13 35 19.0 +0.8
KIV Kislovodsk		AML	Pn	13 35 19.0 +0.8
KIV Kislovodsk		AML	Pn	13 35 17.6 -1.5
KIV Kislovodsk		AML	Pn	13 35 12.4 -0.8
KIV Kislovodsk		AML	Pn	13 35 12.4 -0.8
KIV Kislovodsk		AML	Pn	13 35 12.4 -0.8
KIV Kislovodsk		AML	Pn	13 35 50.2 -0.6
KIV Kislovodsk		AML	Pn	13 35 15.6 -0.3
KIV Kislovodsk		AML	Pn	13 35 56.8 +1.1
KIV Kislovodsk		AML	Pn	13 35 56.8 +1.1
KIV Kislovodsk		AML	Pn	13 35 17.2 -0.9
KIV Kislovodsk		AML	Pn	13 36 00.3 +0.7
KIV Kislovodsk		AML	Pn	13 35 17.2 -0.9
KIV Kislovodsk		AML	Pn	13 35 17.2 -0.9
KIV Kislovodsk		AML	Pn	13 35 17.2 -0.9
KIV Kislovodsk		AML	Pn	13 35 20.3 +0.9
KIV Kislovodsk		AML	Pn	13 36 15.4 -4.2
KIV Kislovodsk		AML	Pn	13 36 23.1

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

ISK 06 13:57:06.7, 38.66N, 43.33E, h5km, ML2.1
CSEM 06 13:57:08.4, 0.2, 38.68N, 43.33E, h10km, ML2.1, Error
ellipse: s-maj=6.9km s-min=4.5km az=116.0

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

CSEM 06 13:57:32.0, 38.49N, 43.32E, h19km, MD2.7, Error
ellipse: s-maj=17.9km s-min=4.6km az=136.0
ISCJB 06 13:57:32.6, 38.60N, 43.23E, h5km, ML2.1

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

KRSC 06 14:03:08.3, 10.0, 54.44N, 159.95E, h170km, 10km, ML4.8
MOS 06 14:03:09.4, 0.9, 54.63N, 159.21E, h165km, mb4.4/38,
Error ellipse: s-maj=8.4km s-min=4.0km az=78.8

NEIC 06 14:03:10.3, 0.1, 54.71N, 159.14E, mb4.5/41, Error
ellipse: s-maj=7.7km s-min=2.7km az=163.0

IDC 06 14:03:10.2, 0.5, 64.69N, 159.20E, h153km, 5km, mb3.9/28,
mb1.4/129, mb1mx4.0/39, mbtmp4.2/29, Error ellipse:
s-maj=11.7km s-min=7.0km az=140.0

ISC 06 14:03:10.3, 0.4, 54.51N, 159.61E, 0.03, h168km, 3km,
h167km, pP, n282, e186/386, mb4.4, 4.91, 19C-15D, Near
east coast of Kamchatka Peninsula

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

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

ISC 06 13:57:08.8, 1.0, 38.68N, 43.33E, h10km, MD2.7
DDA 06 13:57:09.5, 38.66N, 43.47E, h7km, MD2.7

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

CSEM 06 13:57:32.0, 38.49N, 43.32E, h19km, MD2.7, Error
ellipse: s-maj=17.9km s-min=4.6km az=136.0

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

KRSC 06 14:03:08.3, 10.0, 54.44N, 159.95E, h170km, 10km, ML4.8
MOS 06 14:03:09.4, 0.9, 54.63N, 159.21E, h165km, mb4.4/38,
Error ellipse: s-maj=8.4km s-min=4.0km az=78.8

NEIC 06 14:03:10.3, 0.1, 54.71N, 159.14E, mb4.5/41, Error
ellipse: s-maj=7.7km s-min=2.7km az=163.0

IDC 06 14:03:10.2, 0.5, 64.69N, 159.20E, h153km, 5km, mb3.9/28,
mb1.4/129, mb1mx4.0/39, mbtmp4.2/29, Error ellipse:
s-maj=11.7km s-min=7.0km az=140.0

ISC 06 14:03:10.3, 0.4, 54.51N, 159.61E, 0.03, h168km, 3km,
h167km, pP, n282, e186/386, mb4.4, 4.91, 19C-15D, Near
east coast of Kamchatka Peninsula

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

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

ISC 06 13:57:08.8, 1.0, 38.68N, 43.33E, h10km, MD2.7
DDA 06 13:57:09.5, 38.66N, 43.47E, h7km, MD2.7

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

CSEM 06 13:57:32.0, 38.49N, 43.32E, h19km, MD2.7, Error
ellipse: s-maj=17.9km s-min=4.6km az=136.0

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

KRSC 06 14:03:08.3, 10.0, 54.44N, 159.95E, h170km, 10km, ML4.8
MOS 06 14:03:09.4, 0.9, 54.63N, 159.21E, h165km, mb4.4/38,
Error ellipse: s-maj=8.4km s-min=4.0km az=78.8

NEIC 06 14:03:10.3, 0.1, 54.71N, 159.14E, mb4.5/41, Error
ellipse: s-maj=7.7km s-min=2.7km az=163.0

IDC 06 14:03:10.2, 0.5, 64.69N, 159.20E, h153km, 5km, mb3.9/28,
mb1.4/129, mb1mx4.0/39, mbtmp4.2/29, Error ellipse:
s-maj=11.7km s-min=7.0km az=140.0

ISC 06 14:03:10.3, 0.4, 54.51N, 159.61E, 0.03, h168km, 3km,
h167km, pP, n282, e186/386, mb4.4, 4.91, 19C-15D, Near
east coast of Kamchatka Peninsula

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

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like MK31, MKAR, MKAR, etc.

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

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

JMA 06 14:06:10.7z0.2,23:51N-123:04E,h47km,M2.1 TAP 06 14:06:12.5,23:47N-122:86E,h28km,ML2.8,D ISC 06 14:06:09.1z1.7,23:48N-123:03E,0.04,h19km,4km,n23,09/90/41,Southeastern Ryukyu Islands

ISK 06 14:11:11.9,38:75N-43:55E,h20km,ML2.4 CSEM 06 14:11:11.6,0.2,38:75N-43:61E,h18km,2km,ML2.4, Error ellipse: s-maj=5.6km s-min=3.7km az=103.0 DDA 06 14:11:11.8,38:72N-43:67E,h7km,Md2.8 ISCBJ 06 14:11:12.4,0.7,38:74N-0:03:43:63E,0.06,h24km,5km, Error ellipse: s-maj=7.5km s-min=4.7km az=14.0 ISC 06 14:11:11.5,1.1,38:75N-0:02:43:59E,0.04,h14km,10km,n22,09/70/42,Turkey

BJI 06 14:17:47.0,2:90S-102:00E,h153km,mb4.5/27,mb4.7/18 ISCBJ 06 14:17:49.7,0.3,2:59S-104:102:14E,0.04,h167km,2km, mb4.2/31, Error ellipse: s-maj=8.3km s-min=3.8km az=40.0 NEIC 06 14:17:49.3,0.6,2:67S-102:17E,h147km,6km,mb4.5/1, Error ellipse: s-maj=15.4km s-min=6.2km az=59.0 IDC 06 14:17:51.0,0.3,0.2:56S-102:17E,h157km,2.7km,mb3.8/20, mb1.3/9/20,mb1mx3.8/29,mbtmp4.2/20, Error ellipse: s-maj=18.0km s-min=9.9km az=56.0 DJA 06 14:17:50.3,0.2,3:52z-10:2Ez,h159km,3km,M4.5/20, mb4.6/9,mb5.0/6,MLv4.5/20,Mv(mb)4.0/6 ISC 06 14:17:50.8,0.6,2:63S-105:102:15E,0.05,h167km,5km,n79,z21/99,mb4.1/31,Southern Sumatara

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

6d 15h

Table with columns: Station Name, Time, Res, and other details. Includes stations like PDSI Padang, PDSI Palembang, MDSI Mauna Dua, etc.

Table with columns: Code, Station Name, Time, Res, and other details. Includes stations like BDFB Brasilia, WCT Junction City, JJJ Waverly, etc.

Table with columns: Code, Station Name, Time, Res, and other details. Includes stations like CLDR Caldian, STKA Stephens Creek, WRA Warrungarra Arr, etc.





6d 15h

Table with columns: ISCO, EROS Data Cent, ID, Az, P, Pn, Time, Res. Includes entries like Idaho Springs, EROS Data Cent, 8.24 1 P, Pn, 15 09 05.4 +0.1.

CSEM 06 15:09:21.0-3.38'69N-43'59E, h5km, MD2.7, Error ellipse: s-maj=7.0km s-min=7km az=102.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like VANB Van, 0.19 237 Op, ISC, h m s ISC, 15 09 25.5 0.0.

NNC 06 15:14:41.9-3.5, 40'23N-72'68E, h0km, mb2.9, mpv2.6, Error ellipse: s-maj=35.9km s-min=16.0km az=129.0

SOME 06 15:14:41.6, 40'20N-72'83E, h5km

CRNET 06 15:14:41.8, 40'22N-72'82E, h10km, mb2.3

ISC 06 15:14:42.4-1.3, 40'14N-07'72E, h0.03, h12km, n43, n20, r1564/36, 17C-9D, Kyrgyzstan

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Table with columns: SFK, Sufi-Kurgan, Az, P, Pn, Time, Res. Includes entries like Sufi-Kurgan, 0.57 102j eP, Pg, 15 14 52.7 -0.7.

ISCJB 06 15:21:21.5-0.5, 15'84S-0'05-71'77W, 0'06, h114km, mb4.17, Error ellipse: s-maj=8.4km s-min=6.2km az=155.5

IDC 06 15:21:22.6-1.7, 15'80S-71'78W, h123km, 20km, mb4.0/4, mb1 4.0/2.9, mb1mx3.6/3.1, mbtmp4.4/9, MSZ.7/1, Ms1 2.7/1, ms1mx2.4/2.7, Error ellipse: s-maj=23.0km s-min=15.2km az=45.0

NEIC 06 15:21:23.5-1.0, 15'95S-71'79W, h126km, 10km, mb4.1/5, Error ellipse: s-maj=15.5km s-min=11.3km az=78.0

NEIC Fell at Arequipa, ISC 06 15:21:22.8-0.6, 15'95S-0'06-71'77W, 0'07, h114km, n31, r195/35, mb4.2/7, Southern Peru

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like LPAZ La Paz, 3.51 96 Op, ISC, h m s ISC, 15 22 20.8 +4.5.

SCB 06 15:21:49.3-1.1, 14'97S-71'16W, h170km, M4.3/1, Error ellipse: s-maj=34.3km s-min=26.3km az=27.0

ISCJB 06 15:21:50.2-0.4, 15'59S-0'06-71'73W, 0'05, h142km, mb4.0/1.2, Error ellipse: s-maj=9.0km s-min=4.6km az=32.6

IDC 06 15:21:50.6-1.8, 15'55S-71'47W, h130km, 16km, mb3.8/9,

342

mb1 4.1/1.5, mb1mx3.9/3.2, mbtmp4.4/1.5, Error ellipse: s-maj=17.6km s-min=13.1km az=59.0

NEIC 06 15:21:51.5-0.7, 15'61S-71'58W, h142km, 7km, mb4.4/4, Error ellipse: s-maj=10.0km s-min=6.7km az=61.0

ISC 06 15:21:51.5-0.5, 15'69S-0'06-71'69W, 0'06, h142km, n43, r193/45, mb4.1/1.3, 7C, Southern Peru

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like BBOD La Paz, Gloria, 3.12 108 Op, ISC, h m s ISC, 15 22 42.3 +1.7.

ISCJB 06 15:22:49.9-0.8, 18'93N-0'08-64'39W, 0'03, h36km, 9km, Error ellipse: s-maj=12.6km s-min=5.1km az=180.0

TRN 06 15:22:49.5, 18'83N-64'40W, h34km

RSPR 06 15:22:51.0, 18'92N-64'34W, h34km, 2km, MD3.6/16

NEIC 06 15:22:51.0-0.0, 18'92N-64'34W, h34km, MD3.6(RSPR), After RSPR

ISC 06 15:22:51.0-1.3, 18'86N-0'07-64'39W, 0'03, h33km, 3km, n62, r063/94, 31C-21D, Virgin Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like ABV Anegada, 0.14 157i Op, ISC, h m s ISC, 15 22 56.7 +0.4.



PGC 06 16:31:36.6:3.8, 50.54N:130.27W, h10km, ML2.9/4, Mw3.5/4, 198km west of Pt. Hardy, Bc Vancouver Island, Canada Region, Vancouver Island region

ISC 06 16:55:36.5, 38.72N:43.19E, h6km, ML2.2, ISCJB 06 16:55:37.4, 0.5, 38.73N:0.03:43.19E:0.03, h12km, 6km, Error ellipse: s-maj=5.1km s-min=4.2km az=165.8

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes stations like VANB, TVAN, VMUR, etc.

CSEM 06 16:59:38.2:0.1, 41.41N:43.67E, h5km, ML1.9, Error ellipse: s-maj=2.2km s-min=1.3km az=169.0

Turkey-Georgia-Armenia border region. Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes stations like AKH, BGD, DUS, etc.

CSEM 06 16:59:59.9:0.2, 38.75N:43.60E, h15km, ML2.2, Error ellipse: s-maj=5.9km s-min=3.7km az=116.0

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes stations like VANB, VMUR, TVAN, etc.

TATV Tatvan 1.02 255 P Pb 17 00 20.0 -0.2, GURO Guroymak-BITLI 1.19 260 ePn Pn 17 00 23.0 -0.1

ISCJB 06 17:03:20.6:1.1, 38.72N:0.04:43.69E:0.08, h27km, 5km, Error ellipse: s-maj=12.0km s-min=5.3km az=24.9

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes stations like VANB, TVAN, VMUR, etc.

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes stations like VANB, TVAN, VMUR, etc.

ISCJB 06 17:15:01.8:0.5, 28.03N:0.06:139.8E:0.1, h400km, mb3.8/24, Error ellipse: s-maj=14.0km s-min=8.3km az=0.1

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes stations like JHJ, MJAR, KSRS, etc.

ISC 06 17:15:03.1:0.5, 28.06N:0.07:139.8E:0.1, h400km, n33, o163/42, mb3.8/24, Bonin Islands region

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes stations like JHJ, MJAR, KSRS, etc.

CSEM 06 17:00:00.6:0.7, 38.74N:0.03:43.63E:0.06, h14km, 4km, Error ellipse: s-maj=8.4km s-min=4.5km az=26.0

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes stations like VANB, VMUR, TVAN, etc.

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes stations like JCN, JOK, JYT, etc.

GUC 06 17:21:56.4:0.3, 25.86S:70.46W, h42km, 1km, ML3.6, 1C, Near coast of northern Chile

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes stations like PB14, CDCH, etc.

ISC 06 17:24:14.8, 38.60N:43.23E, h20km, ML1.7

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes stations like VANB, TVAN, etc.

ISC 06 17:25:22.0:0.4, 37.78N:7.81E, h8km, ML2.6/12, Error ellipse: s-maj=3.9km s-min=3.0km az=147.0

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes stations like VANB, VMUR, TVAN, etc.

ISC 06 17:25:22.5:0.9, 43.80N:0.03:7.82E:0.02, h11km, 5km, n41, o92/76, Near south coast of France

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes stations like ENR, NEG, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like LMR La Moure, ROTM Rocchetta Tana, MBDF Montbardon, etc.

ISK 06 17:45:54.5, 38.72N, 43.20E, h8km, ML2.2
ISCJB 06 17:45:55.5, 0.5, 38.76N, 0.03, 43.20E, 0.04, h11km, 6km,
Error ellipse: s-maj=5.8km s-min=4.3km az=17.2
DDA 06 17:45:55.5, 38.74N, 43.25E, h7km, ML2.5
CSEM 06 17:45:55.6, 0.3, 38.75N, 43.20E, h2km, ML2.2, Error
ellipse: s-maj=5.9km s-min=5.0km az=85.0
ISC 06 17:45:55.6, 1.1, 38.74N, 0.03, 43.27E, 0.03, h19km, 3km,
n24, c104/36, Turkey

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like VANB Van, TVAN Van, VMUR Van-Muradiye, etc.

ISCJB 06 17:52:33.4, 0.5, 35.52N, 0.01, 96.87W, 0.02, h6km, 3km,
Error ellipse: s-maj=2.4km s-min=2.0km az=173.0
NEIC 06 17:52:35.0, 0.0, 35.49N, 96.83W, h3km, MW3.4,
ML3.7(TUL), Moment Tensor Solution. s38 Moment
tensor: Scale 10^14Nm; Mrr0.08; Mrr1.56; Mrr+1.64;
Mrr0.45; Mrr-0.54; Mrr0.15; Best double couple:
M: 1.80000e+10^14 NP1: 0.145 0.0000, 0.875 0.0000;
1.5 0.0000; NP2: 0.54 0.0000, 0.885 0.0000; 1.665 0.0000;
Principal axes: T 1.7500, Plg14.0000; Azm2.0000; N
0.0000, Plg74.0000; Azm216.0000; P -1.7600,
Plg7.0000; Azm100.0000; After TUL.
NEIC Felt [IV] at Tonkawa; [III] at Meeker, Prague, Shawnee
and Yukon; [II] at Norman, Oklahoma City and Tulsa. Felt
in much of Oklahoma and in parts of Arkansas, Kansas,
Missouri and Texas.
ISC 06 17:52:34.6, 1.0, 35.52N, 0.02, 96.86W, 0.02, h11km, 7km,
n186, c114/224, Oklahoma

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like V35A Meyer Ranch, W35A Tecumseh, W36A Wetumka, etc.

Main table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like TUL1 Leonard, X36A Drake, W37B Quinton, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like WHAR Woolly Hollow, UALR University of, W41B Gary Mavity, etc.



Table with columns: Call sign, Frequency, Mode, Power, and other technical details for stations like SCZT, EHY, EHY, EAST, etc.

IDC 06 18:34:36.9:0.9,30:08N:80:41E,h0km,mb3.5/14, mb1 3.7/16,mb1mx3.6/49,mbtmp3.6/16,ML3.7/2,MS2.8/4, Ms1 2.9/4,ms1mx2.6/39,Error ellipse: s-maj=23.6km s-min=15.2km az=43.0

ISCJB 06 18:34:38.2:0.3,30:18N:0:04:80:35E:0.03,h11km, mb3.5/11,MS2.8,Error ellipse: s-maj=6.1km s-min=2.8km az=34.2

NDI 06 18:34:39.7:2.3,30:36N:80:55E,h10km,ML3.8 DMN 06 18:34:42.0:0.3,30:16N:80:23E,h10km,ML4.5,Error ellipse: s-maj=14.5km s-min=6.7km az=34.0

ISC 06 18:34:39.1:0.5,30:20N:0:04:80:37E:0.03,h11km,n51, a:176/64,mb3.6/11,MS3.0/3,1C,Western Xizang-India border region

Main station list table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations like PTH, JOSI, JOSI, etc.

Table with columns: Call sign, Frequency, Mode, Power, and other technical details for stations like FINES, ARCES, NOA, WRA, TORD, ASAR, KDAK.

DDA 06 18:43:57.9:38:68N:43:34E,h17km,ML3.5 ISK 06 18:43:57.5:38:67N:43:28E,h2km,ML3.1 ISCJB 06 18:43:58.7:0.4,38:67N:0:02:43:30E:0.04,h6km,4km, Error ellipse: s-maj=5.2km s-min=4.0km az=15.9 CSEM 06 18:43:58.3:0.2,38:67N:43:31E,h2km,ML3.1,Error ellipse: s-maj=4.4km s-min=3.7km az=103.0

Main station list table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations like VANB, VANB, VANB, etc.

SKHL 06 18:49:59.9:0.4,44:20N:147:90E,h81km,mb4.4/3, msh4.7/3 JMA 06 18:49:59.7:0.3,43:93N:147:90E,h83km,ML3.0 ISC 06 18:49:56.8:3.1,44:11N:0:16:49:1E:0.2,h92km,n18km,n13, a:1566/20,2C-1D,Kuril Islands

Main station list table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations like SHO, SHO, SHO, etc.

ISCJB 06 18:53:21.5:0.2,20:91S:0:05:178:62W:0:04,h579km, mb4.6/19,Error ellipse: s-maj=6.3km s-min=4.1km az=160.4 MOS 06 18:53:21.3:1.3,20:86S:178:61W,h578km,mb4.6/18, Error ellipse: s-maj=10.4km s-min=9.1km az=47.8 IDC 06 18:53:21.9:1.1,20:88S:178:55W,h572km,13km, mb4.1/26,mb1 4.1/30,mb1mx4.1/38,mbtmp5.0/30,Error ellipse: s-maj=10.5km s-min=8.8km az=152.0 NEIC 06 18:53:22.5:0.2,20:89S:178:65W,h582km,6km, mb4.7/106,Error ellipse: s-maj=7.5km s-min=4.4km az=157.0

BUJ 06 18:53:24.1:20:80S:178:70W,h599km,mb4.8/38, mb4.9/25

ISC 06 18:53:21.7:0.3,20:92S:0:05:178:48W:0:05,h579km, n450, a:131/490,mb4.7/159,53-30D,Fiji Islands region

Main station list table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations like MSVF, MSVF, RAO, RAO, etc.

6Sd 18h

KSRS	Korea Array	76.91 319 P	P	19 04 16.4 +1.2
KSAR	Wonju Array Be	76.92 319 P	P	19 04 16.4 +1.2
KSAR	Wonju Array Be	76.92 319 P	P	19 04 16.4 +1.2
KS01	Wonju Array Si	79.06 326 P	P	19 04 15.8 +0.5
USRK	Ussuriysk Ark	79.06 326 P	P	19 04 27.8 +1.2
MYKOM	Kota Tinggi	79.13 276 eP	P	19 04 28.2 +0.5
KMRM	Maui Ridge	79.36 40 eP	P	19 04 29.9 +1.5
NJ2	Nanjing	79.80 310 eP	P	19 04 31.5 +0.8
CMB	Columbia Colle	80.08 43 eP	P	19 04 33.8 +1.7
CMB	Columbia Colle	80.08 43 eP	P	19 04 33.8 +1.7
PFO	Pinyon Flats O	80.19 48 P	P	19 04 34.7 +1.8
AFDM	Forest Hills D	80.25 42 eP	P	19 04 34.4 +1.4
WDC	Whiskeytown Da	80.28 40 eP	P	19 04 34.7 +1.7
WDC	Whiskeytown Da	80.28 40 eP	P	19 04 34.7 +1.7
ORV	Oroville	80.29 41 eP	P	19 04 34.8 +1.7
ORV	Oroville	80.29 41 eP	P	19 04 34.8 +1.7
HABR	Khabarovsk	80.59 331 eP	P	19 04 33.5 -0.9
HABR	HABR	19 07 47.0		19 06 37.4 +0.5
HABR	HABR	19 13 52.0 -2.3		19 13 52.0 -2.3
HABR	HABR	19 22 54.6		19 22 54.6
HABR	HABR			19 22 54.6
MDJ	Mudanjiang	80.61 325 P	P	19 04 35.1 +0.5
MDJ	MDJ			19 04 35.1 +0.5
YBH	Yreka Blue Hor	80.90 39 eP	P	19 04 38.6 +2.3
YBH	Yreka Blue Hor	80.90 39 eP	P	19 04 38.6 +2.3
MAW	Mawson	81.02 200 P	P	19 04 37.4 +1.0
GLA	Glamis	81.04 50 eP	P	19 04 38.9 +1.7
GLA	Glamis	81.04 50 eP	P	19 04 38.9 +1.7
BEKR	Beckworth	81.18 41 eP	P	19 04 39.4 +1.5
PNTR	Pine Nut	81.19 42 eP	P	19 04 39.5 +1.4
KDAK	Kodiak Ridge	81.33 14 iP	P	19 04 40.0 +2.0
YERR	Yerington	81.36 43 eP	P	19 04 40.5 +1.6
Y12C	Blythe	81.62 49 eP	P	19 04 42.1 +2.0
NY3A	Mohawk Valley	81.65 50 eP	P	19 04 42.2 +1.9
PAHR	Pah Rah Range	81.69 42 eP	P	19 04 42.0 +1.5
HSIG	Highway 1	81.86 55 eP	P	19 04 43.2 +1.8
LDFC	Landfair	81.92 48 eP	P	19 04 43.6 +1.8
TPNV	Topopah Spring	82.16 46 eP	P	19 04 44.9 +1.9
TPNV	Topopah Spring	82.16 46 eP	P	19 04 44.9 +1.9
CN2	Changchun	82.36 323 eP	P	19 04 44.2 +0.6
MOD	Modoc Plateau	82.43 40 eP	P	19 04 46.0 +1.8
SHPR	Sheep Range	82.65 47 eP	P	19 04 47.4 +2.0
KLR	Kul'dur	82.66 330 P	P	19 04 46.4 +1.4
KLR	Kul'dur	82.74 278 eP	P	19 04 46.8 +0.5
W13A	Hualapai Mount	82.78 48 eP	P	19 04 47.7 +1.5
Y14A	Wickenburg	82.80 50 eP	P	19 04 48.1 +2.0
R11A	Troy Canyon, C	83.36 45 eP	P	19 04 50.4 +1.4
E03A	Lebanon	83.45 35 eP	P	19 04 51.2 +2.3
BMN	Battle Mountain	83.46 42 eP	P	19 04 50.4 +1.0
BMN	BMN			19 04 50.4 +1.0
WVOR	Wild Horse Val	83.74 40 eP	P	19 04 52.3 +1.6
WVOR	WVOR			19 04 52.3 +1.6
R37A	Redoubt South	83.74 12 eP	P	19 04 51.3 +0.9
PSI	Prapat	84.08 275 eP	P	19 04 52.4 -0.6
PSI	Prapat	84.08 275 eP	P	19 04 52.4 -0.6
X16A	Lo Mia Camp, P	84.16 50 eP	P	19 04 54.9 +1.9
I07A	Izeze	84.19 38 eP	P	19 04 54.4 +1.5
LCMT	Little Creek M	84.22 47 eP	P	19 04 54.7 +1.5
PANO	Nakornpanom	84.35 291 P	P	19 04 56.5 +2.4
J08A	Circle Bar Ran	84.37 39 eP	P	19 04 55.0 +1.3
CCUT	Cedar City	84.42 46 eP	P	19 04 55.9 +1.6
KNB	Kanab	84.51 47 eP	P	19 04 55.9 +1.2
KNB	KNB			19 04 55.9 +1.2
U15A	North Rim	84.58 48 eP	P	19 04 57.4 +2.2
SZCU	Shurtz Canyon	84.63 46 eP	P	19 04 57.5 +2.2
D05A	Enumclaw	84.70 35 eP	P	19 04 57.5 +2.4
WUAZ	Wupatki	84.76 49 eP	P	19 04 57.5 +1.7
SKNT	Sakalokorn	84.83 290 P	P	19 04 57.8 +1.4
PGC	Sidney	84.86 33 eP	P	19 04 56.5 +0.7
RC01	Rabbit Creek A	84.95 14 eP	P	19 04 56.5 +0.5
SUA	Susitna One	85.07 13 eP	P	19 04 56.8 +0.1
TRTT	Trang	85.21 280 P	P	19 05 00.4 +2.1
LTY	Liberty	85.45 35 eP	P	19 05 00.3 +1.5
E07A	Sunnyside	85.47 36 eP	P	19 05 00.1 +1.2
PMR	Palmer	85.53 14 eP	P	19 04 58.0 -0.7
PMR	Palmer	85.53 14 eP	P	19 04 58.0 -0.7
HAWA	Hanford	85.55 36 eP	P	19 05 00.9 +1.6
KHON	Khomkaen	85.60 289 P	P	19 05 01.6 +1.5

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BMO	Blue Mountains	85.92 39 eP	P	19 05 02.5 +1.3
BMO	BMO			19 05 02.5 +1.3
BMO	Blue Mountains	85.92 39 eP	P	19 05 02.5 +1.3
MFID	Camas Ranch	86.00 40 eP	P	19 05 02.7 +1.2
CHAI	Chaiyaphum	86.17 288 P	P	19 05 04.3 +1.5
SYO	Syowa Base	86.22 193j eP	P	19 05 00.6 -1.5
E09A	Wood Farm, Sta	86.40 37 eP	P	19 05 04.2 +1.0
SURT	Suratani	86.44 281 P	P	19 05 06.4 +2.2
GYA	Guiyang	86.47 300 eP	P	19 05 05.2 +1.0
GYA	GYA			19 08 39.0 +2.0
GYA	GYA			19 14 32.3 -4.0
GYA	GYA			19 14 50.6 -2.4
F10A	Beach Ranch, E	86.61 38 eP	P	19 05 05.3 +0.9
SEY	Seymchan	86.68 347 P	P	19 05 04.7 +0.3
SEY	Seymchan	86.68 347c /P	P	19 05 04.7 +0.6
B08A	Colville Reser	86.83 35 eP	P	19 05 06.1 +0.8
LLBL	Halley	86.89 32 eP	P	19 05 06.8 +1.0
KTH	Kantishna Hill	86.92 12 eP	P	19 05 04.9 -0.5
HLID	Halley	86.94 41 eP	P	19 05 08.2 +2.2
TRF	Thorfare Moun	86.95 12 eP	P	19 05 05.3 -0.3
C09A	Chrisman Ranch	87.08 36 eP	P	19 05 07.9 +1.5
RND	Reindeer	87.21 13 eP	P	19 05 07.2 +0.5
RND	RND			19 05 10.1 +1.9
RND	RND			19 05 07.2 +0.5
RND	RND			19 05 10.1 +1.9
MNTX	Cornudas Moun	87.36 55 eP	P	19 05 09.6 +1.4
MCK	McKinley	87.48 13 eP	P	19 05 07.9 -0.1
MCK	MCK			19 05 07.9 -0.1
MCK	McKinley	87.48 13 eP	P	19 05 07.9 -0.1
PAX	Paxson	87.57 14 eP	P	19 05 08.6 +0.1
PAX	PAX			19 05 08.6 +0.1
PAX	Paxson	87.57 14 eP	P	19 05 08.6 +0.1
PAX	Paxson	87.57 14 eP	P	19 05 08.6 +0.1
SNA	Sanae	87.60 179 P	P	19 05 05.5 -3.2
TX31	Lajitas Arr	87.66 57 eP	P	19 05 11.1 +1.4
TXAR	Lajitas Arr	87.66 57 eP	P	19 05 11.9 +2.2
HYT	Haines Junctio	87.92 19 eP	P	19 05 11.6 +1.4
NEW	Newport	87.98 36 eP	P	19 05 11.4 +0.8
NEW	Newport	87.98 36 eP	P	19 05 11.4 +0.8
ANMO	Albuquerque	88.02 51 P	P	19 05 13.1 +1.7
ANMO	Albuquerque	88.02 51j eP	P	19 05 12.7 +1.3
ANMO	Albuquerque	88.02 51 eP	P	19 05 10.9 -0.4
XAN	Xi'an	88.03 308 P	P	19 05 12.2 +0.9
XAN	XAN			19 07 19.2 +2.5
XAN	XAN			19 05 14.5 +2.9
PHIT	Phitsoulak	88.06 289 P	P	19 05 14.3 +2.2
SRDT	SRDT	88.14 286 P	P	19 05 14.3 +2.2
UTTA	Utтарd	88.15 290 P	P	19 05 14.1 +2.1
MLY	Manley	88.29 11 eP	P	19 05 10.9 -0.9
UTHA	Uthaitani	88.30 267 P	P	19 05 14.6 +1.8
WRH	Wood River Hill	88.31 13 eP	P	19 05 11.5 -0.2
NANT	Nan	88.42 291 P	P	19 05 14.7 +1.4
HDA	Harding Lake	88.49 13 eP	P	19 05 12.1 -0.6
CCB	Clear Creek Bu	88.52 13 eP	P	19 05 12.1 -0.6
MCMT	McKintzie Canyon	88.56 40 eP	P	19 05 15.8 +2.0
IMAR	Indian Mountain	88.65 10 eP	P	19 05 13.3 -0.0
MDM	Murphy Dome	88.71 12 eP	P	19 05 13.1 -0.5
COLA	College	88.71 13 eP	P	19 05 12.4 -1.2
COLA	COLA			19 05 12.4 -1.2
COLA	College	88.71 13 eP	P	19 05 12.4 -1.2
ILAR	Eielson Array	88.82 13 P	P	19 05 13.7 -0.5
ILB	Eielson Array	88.82 13 eP	P	19 05 13.7 -0.5
SUKH	Sukhothai	88.86 289 P	P	19 05 17.1 +1.7
S22A	4UR Ranch, Ce	89.03 49 eP	P	19 05 17.7 +1.5
REDW	Red Top Meadow	89.05 42 eP	P	19 05 15.4 -0.6
TPAW	Teton Pass	89.05 42 eP	P	19 05 16.0 -0.1
FXWY	Fox Creek	89.08 42 eP	P	19 05 17.8 +1.6
KMI	Kunming	89.14 297 P	P	19 05 17.5 +0.6
KMI	KMI			19 05 17.5 +0.6
SNOW	Snow King Moun	89.16 42 eP	P	19 05 17.7 +1.2
LAMP	Lampang	89.25 290 P	P	19 05 19.0 +1.8
IMW	Indian Meadow	89.26 42 eP	P	19 05 18.2 +1.2
HHC	Hu-ho-hao-te	89.33 315 eP	P	19 05 23.5 +6.3
HHC	HHC			19 05 23.5 +6.3
LOHW	Long Hollow	89.33 42 eP	P	19 05 18.4 +1.1
BILL	Bilibino	89.41 354j eP	P	19 05 16.1 -0.7
QLMT	Earthquake Lak	89.43 41 eP	P	19 05 19.6 +1.9
BW06	Boulder Array	89.58 43 eP	P	19 05 19.6 +1.2
PD31	Pinedale Array	89.58 43 eP	P	19 05 19.7 +1.2
PDAR	Pinedale Array	89.58 43 eP	P	19 05 19.7 +1.2
PDAR	Pinedale Array	89.58 43 eP	P	19 05 19.2 +0.8
CM01	Chiang Mai Arr	89.81 290 eP	P	19 05 21.1 +1.3
CM31	Chiang Mai Arr	89.82 290 eP	P	19 05 20.2 +2.1
CMAR	Chiang Mai Arr	89.83 290 P	P	19 05 21.6 +1.7
CHTO	Chiang Mai	89.97 290 eP	P	19 05 22.0 +1.5
CHTO	CHTO			19 05 22.0 +1.5
CHTO	Chiang Mai	89.97 290 eP	P	19 05 22.0 +1.5
DAWY	Dawson	89.99 16 eP	P	19 05 20.3 +0.7
E04A	Eggen	90.13 15 eP	P	19 05 21.0 +0.9
CMIG	Matias Romero	90.23 72 P	P	19 05 23.7 +1.9
CMAI	Chiangmai	90.29 291 P	P	19 05 23.4 +1.2
COLD	Coldfoot	90.37 11 eP	P	19 05 21.0 -0.3
CD2	Chengdu	90.64 303 P	P	19 05 23.4 0.0
CD2	CD2			19 05 23.4 0.0

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YAK	Yakutsk	92.33 338 P	P	19 05 30.0 -0.4
YAK	Yakutsk	92.33 338 eP	P	19 05 28.6 -1.8
YAK	Yakutsk			19 05 30.2 -0.2
YAK	Yakutsk			19 05 32.5 -0.3
YAK	Yakutsk			19 07 39.6 +0.6
YAK	Yakutsk			19 08 38.5 +1.8
YAK	Yakutsk			19 09 27.8 +2.5
YAK	Yakutsk			19 05 30.2 -0.2
YAK	Yakutsk			19 05 32.5 -0.3
YAK	Yakutsk			19 07 39.6 +0.6
YAK	Yakutsk			19 08 38.5 +1.8
YAK	Yakutsk			19 09 27.8 +2.5
YAK	Yakutsk			19 05 30.2 -0.2
YAK	Yakutsk			19 05 32.5 -0.3
YAK	Yakutsk			19 07 39.6 +0.6
YAK	Yakutsk			19 08 38.5 +1.8
YAK	Yakutsk			19 09 27.8 +2.5
YAK	Yakutsk			19 05 30.2 -0.2
YAK	Yakutsk			19 05 32.5 -0.3
YAK	Yakut			







ISCJB 06 19:40:09.2,0.5,38.76N,0.03:43.19E,0.04,h10km,7km, Error ellipse: s-maj=5.4km s-min=4.5km az=139.9

ISC 06 19:40:09.3,0.9,38.75N,0.02:43.21E,0.03,h17km,9km, n18,e0570/36,Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include VANB Van, TVAN Van, VMUR Van-Muradiye, etc.

ATH 06 19:57:03.3,36.52N,28.72E,h31km,1km,ML1,83, Error ellipse: s-maj=2.7km s-min=1.1km az=196.0

ISCJB 06 19:57:04.6,0.4,36.54N,0.03:28.70E,0.03,h21km,5km, Error ellipse: s-maj=5.4km s-min=4.3km az=162.6

ISC 06 19:57:04.2,0.2,36.51N,0.03:28.73E,h16km,1km,ML2,9, CSEM 06 19:57:04.2,0.2,36.51N,0.03:28.73E,h16km,1km,ML2,9, Error ellipse: s-maj=3.9km s-min=2.8km az=167.0

DDA 06 19:57:04.6,36.51N,28.72E,h7km,ML2,9, Error ellipse: s-maj=2.4km s-min=0.8km az=149.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include DALY Dalyan (Mu'la), ARG Arhangelos, ARG Arhangelos, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include KARP Karpathos, ZKR Zakros, NPS Neapolis, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include MHLO Agia Marina, MHLA Plaka, IMMV Iera Moni Meta, etc.

ISC 06 20:08:21.0,38.55N,43.22E,h16km,MD2.5, Error ellipse: s-maj=12.4km s-min=6.7km az=138.0

DDA 06 20:08:22.5,38.66N,43.11E,h7km,ML2,9, Error ellipse: s-maj=2.4km s-min=0.8km az=149.0

ISC 06 20:08:22.5,38.63N,43.03:43.20E,0.02,h3km,1.1km, n19,e1958/36,Turkey

6vd 20h

LVG	S	S	20 23 16.8 +0.2
San Ignacio	7.14 67 P	Pn	20 23 09.9 -1.6
BDFB	19.29 83 P	P	20 25 40.0 +1.1
TORD	75.61 71 P	P	20 32 51.8 -0.3

CSEM 06:20:37:38.5.0.2, 38.67N-43.21E, h10km, ML2.4, Error ellipse: s-maj=4.9km s-min=4.0km az=91.0  
 ISK 06:20:37:38.0, 38.67N-43.22E, h8km, ML2.4  
 DDA 06:20:37:38.0, 38.68N-43.21E, h7km, ML2.9  
 ISC 06:20:37:39.2.0.9, 38.67N-0.02-43.23E:0.03, h14km, 6km, n23, e093/43, Turkey

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
VANB	Van	0.15 121	Op	20 37 42.8 +0.3	ISC
VANB	Van	0.15 121	eSg	20 37 46.6 +0.9	Sg
VANB	Van	0.15 121	ePg	20 37 42.8 +0.3	Pg
TVAN	Van	0.20 135	iP	20 37 42.5 -1.4	Pg
GEVA	Gevas	0.38 200	iS	20 37 53.3 -0.4	Sb
GEVA	Gevas	0.38 200	Pg	20 37 46.6 +0.9	Pg
VMUR	Van-Muradiye	0.42 40	iP	20 37 47.3 -0.3	Sb
VMUR	Van-Muradiye	0.42 40	iS	20 37 54.3 -0.5	Sb
VMUR	Van-Muradiye	0.42 40	Sb	20 37 47.3 -0.3	Sb
CLDR	Caldiran	0.72 49	ePg	20 37 52.2 -1.0	Pg
CLDR	Caldiran	0.72 49	eSg	20 38 03.3 -0.2	Pg
CLDR	Caldiran	0.72 49	iP	20 37 52.1 -1.2	Pg
CLDR	Caldiran	0.72 49	iS	20 38 03.1 -0.3	Pg
TUTA	Tutak	0.80 336	iP	20 37 53.9 -0.9	Sg
TUTA	Tutak	0.80 336	iS	20 38 05.0 -0.3	Sg
TUTA	Tutak	0.80 336	Sb	20 37 53.9 -0.9	Sb
AGRb	Hanur-Agry	0.92 349	ePg	20 37 56.0 -1.1	Pg
AGRb	Hanur-Agry	0.92 349	eSg	20 38 09.3 0.0	Sb
AGRb	Hanur-Agry	0.92 349	iP	20 37 56.0 -1.1	Pg
GURO	Guroymak-BITLI	0.94 263	eSg	20 37 56.3 -1.1	Pg
GURO	Guroymak-BITLI	0.94 263	ePg	20 38 10.4 -0.4	Pg
GURO	Guroymak-BITLI	0.94 263	eSg	20 37 56.3 -1.1	Pg
HAKT	HAKKARI	1.18 161	iP	20 38 10.2 +0.4	Sb
HAKT	HAKKARI	1.18 161	iS	20 38 18.9 +1.5	Sn
HAKT	HAKKARI	1.18 161	Sb	20 38 18.9 +1.5	Sb
EATA	Eleskirt	1.32 335	iP	20 38 03.3 -0.2	Pn
EATA	Eleskirt	1.32 335	iS	20 38 22.3 +1.2	Pn
EATA	Eleskirt	1.32 335	Pn	20 38 03.3 -0.2	Pn
BTMn	Batman	1.73 244	iS	20 38 22.3 +1.2	Sn
BTMn	Batman	1.73 244	iP	20 38 35.9 +1.1	Sn
BTMn	Batman	1.73 244	Pn	20 38 09.0 +0.1	Pn

AZER 06:20:55:46.7.4.9, 37.64N-41.96E, h14km, Error ellipse: s-maj=46.5km s-min=32.4km az=155.0  
 ISK 06:20:55:46.7.1.1, 38.62N-43.16E, h0km, ML4.2  
 ISK 06:20:55:59.2, 38.60N-43.15E, h5km, ML4.0  
 DDA 06:20:55:60.0, 38.59N-43.15E, h19km, ML4.1  
 CSEM 06:20:56:00.0.0.9, 38.59N-43.15E, h2km, ML4.0, Error ellipse: s-maj=3.8km s-min=3.3km az=137.0  
 ISC 06:20:56:00.0.0.9, 38.60N-0.02-43.13E:0.01, h8km, 6km, n112, e197/153, 8C-10D, Turkey

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
VANB	Van	0.20 90	Op	20 56 04.6 +0.5	ISC
VANB	Van	0.20 90	eSg	20 56 09.0 +1.0	Sg
VANB	Van	0.20 90	ePg	20 56 04.6 +0.5	Pg
TVAN	Van	0.23 107	iP	20 56 04.6 +1.0	Pg
TVAN	Van	0.23 107	iS	20 56 08.8 +0.1	Pg
TVAN	Van	0.23 107	Sb	20 56 04.6 +1.0	Sb
GEVA	Gevas	0.29 191	iS	20 56 06.5 -0.2	Sb
GEVA	Gevas	0.29 191	iP	20 56 13.1 -0.4	Sb
GEVA	Gevas	0.29 191	Pg	20 56 06.5 -0.2	Pg
ADCV	BITLIS_Adilcev	0.38 304	iS	20 56 13.1 -0.4	Sb
ADCV	BITLIS_Adilcev	0.38 304	iP	20 56 15.9 -0.2	Sb
ADCV	BITLIS_Adilcev	0.38 304	Pg	20 56 08.6 +0.2	Pg
ERCV	ERCIS-VAN	0.45 21	ePg	20 56 15.9 -0.2	Sb
ERCV	ERCIS-VAN	0.45 21	eSg	20 56 08.9 -0.9	Sb
ERCV	ERCIS-VAN	0.45 21	Sb	20 56 15.4 +0.6	Sb
ERCV	ERCIS-VAN	0.45 21	iP	20 56 16.4 +0.9	Sb
VMUR	Van-Muradiye	0.52 41	iP	20 56 10.4 -0.7	Pg
VMUR	Van-Muradiye	0.52 41	iS	20 56 18.9 -1.3	Pg
VMUR	Van-Muradiye	0.52 41	Pg	20 56 10.4 -0.7	Pg
TATV	Tatvan	0.86 263	iP	20 56 19.0 -1.3	Pg
TATV	Tatvan	0.86 263	iS	20 56 09.0 +0.1	Pg
CLDR	Caldiran	0.82 48	ePg	20 56 13.5 -0.5	Pg
CLDR	Caldiran	0.82 48	eSg	20 56 15.4 -1.4	Pg
CLDR	Caldiran	0.82 48	iP	20 56 27.3 -0.2	Pg
CLDR	Caldiran	0.82 48	iS	20 56 15.2 -1.5	Pg
CLDR	Caldiran	0.82 48	Sb	20 56 08.6 +0.2	Sb
CLDR	Caldiran	0.82 48	Pg	20 56 15.4 -1.4	Pg
CLDR	Caldiran	0.82 48	Sg	20 56 26.5 -1.0	Sb
CLDR	Caldiran	0.82 48	eSg	20 56 27.3 -0.2	Pg
TUTA	Tutak	0.84 343	iP	20 56 16.1 -1.0	Pg
TUTA	Tutak	0.84 343	iS	20 56 16.1 -1.0	Pg
GURO	Guroymak-BITLI	0.86 267	eSg	20 56 16.1 -1.0	Pg
GURO	Guroymak-BITLI	0.86 267	ePg	20 56 29.7 -0.2	Pg
GURO	Guroymak-BITLI	0.86 267	iP	20 56 16.5 -0.9	Pg
GURO	Guroymak-BITLI	0.86 267	iS	20 56 29.7 -0.2	Pg
BASK	Baskale_VAN	0.88 128	iP	20 56 16.7 -1.1	Pg
BASK	Baskale_VAN	0.88 128	iS	20 56 16.7 -1.1	Pg
AGRb	Hanur-Agry	0.98 354	ePg	20 56 15.3 -1.3	Pg
AGRb	Hanur-Agry	0.98 354	eSg	20 56 34.2 -1.2	Pg
AGRb	Hanur-Agry	0.98 354	Pn	20 56 18.5 -1.3	Pn
AGRb	Hanur-Agry	0.98 354	Sb	20 56 34.2 -1.2	Sb
DYDN	Diyadin	1.04 25	iP	20 56 19.7 -1.2	Pg
DYDN	Diyadin	1.04 25	iS	20 56 19.7 -1.2	Pg
EKAR	Karacaban	1.06 309	iP	20 56 19.6 -1.7	Pg
EKAR	Karacaban	1.06 309	iS	20 56 19.6 -1.7	Pg
SRM	Siirt_Merkez	1.12 238	iP	20 56 21.8 -0.7	Pg
SRM	Siirt_Merkez	1.12 238	iS	20 56 38.6 -0.2	Pg
SRM	Siirt_Merkez	1.12 238	Pn	20 56 21.8 -0.7	Pn
SRM	Siirt_Merkez	1.12 238	Sb	20 56 38.6 -0.2	Sb
HAKT	HAKKARI	1.13 156	iP	20 56 20.8 -1.9	Sn
HAKT	HAKKARI	1.13 156	iS	20 56 39.2 +0.1	Sn
HAKT	HAKKARI	1.13 156	Sb	20 56 20.8 -1.9	Sb
HAKT	HAKKARI	1.13 156	Pn	20 56 39.2 +0.1	Pn
SIRN	S-rnak	1.23 207	iP	20 56 23.1 -1.4	Sn
SIRN	S-rnak	1.23 207	iS	20 56 43.3 +1.9	Sn
SIRN	S-rnak	1.23 207	Sb	20 56 23.1 -1.4	Sb
SIRN	S-rnak	1.23 207	Pn	20 56 43.3 +1.9	Pn
EATA	Eleskirt	1.36 339	iP	20 56 25.7 -0.7	Pn
EATA	Eleskirt	1.36 339	iS	20 56 25.7 -0.7	Pn
CUKT	Cukurca	1.40 164	ePn	20 56 26.0 -0.8	Pn
CUKT	Cukurca	1.40 164	iS	20 56 50.7 +4.8	Pn
CUKT	Cukurca	1.40 164	Pn	20 56 26.0 -0.8	Pn
CUKT	Cukurca	1.40 164	Sb	20 56 26.3 -0.5	Sb
CUKT	Cukurca	1.40 164	Sg	20 56 50.7 +4.8	Sg
VRTb	Varto-Mus	1.42 294	ePn	20 56 27.7 -0.1	Pn
VRTb	Varto-Mus	1.42 294	iS	20 56 50.7 +4.1	Pn
VRTb	Varto-Mus	1.42 294	Pn	20 56 27.7 -0.1	Pn
VRTb	Varto-Mus	1.42 294	Sb	20 56 50.7 +4.1	Sb
SVAN	Silvan-Diyarba	1.58 254	iP	20 56 50.7 +4.1	Pn
SVAN	Silvan-Diyarba	1.58 254	iS	20 56 50.7 +4.1	Pn
SVAN	Silvan-Diyarba	1.58 254	Pn	20 56 50.7 +4.1	Pn
SVAN	Silvan-Diyarba	1.58 254	Sb	20 56 50.7 +4.1	Sb
SVAN	Silvan-Diyarba	1.58 254	Sg	20 56 50.7 +4.1	Sg
SVAN	Silvan-Diyarba	1.58 254	Pn	20 56 51.7 0.0	Pn
SVAN	Silvan-Diyarba	1.58 254	Sb	20 56 51.7 0.0	Sb
SVAN	Silvan-Diyarba	1.58 254	Sg	20 56 51.7 0.0	Sg
BNGL	BINGOL	1.59 284	iP	20 56 51.7 0.0	Pn
BTMn	Batman	1.62 245	iP	20 56 51.4 -0.6	Pn
BTMn	Batman	1.62 245	iS	20 56 53.9 +0.8	Pn

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BTMn	Batman	1.62 245	P	Pg	20 56 31.5 -0.6
BTMn	Batman	1.62 245	S	Sg	20 56 53.9 +0.8
TASB	TASBURUN-IGDIR	1.63 32	ePn	Pg	20 56 30.4 -0.9
TASB	TASBURUN-IGDIR	1.63 32	ePn	Pg	20 56 30.4 -0.9
HOMI	Horasan	1.73 327	iP	Pb	20 56 33.8 -0.3
HOMI	Horasan	1.73 327	iP	Pb	20 56 33.8 -0.3
DIGO	Kars	1.83 6	iP	Pb	20 56 34.8 +0.1
ERZM	Erzurum	1.89 314	iP	Pb	20 56 34.9 -0.9
ERZM	Erzurum	1.89 314	iP	Pb	20 56 34.9 -0.9
NAX	Nakhchivan	1.94 72	iP	Pb	20 56 36.2 -0.2
NAX	Nakhchivan	1.94 72	iP	Pb	20 56 36.2 -0.2
NAX	Nakhchivan	1.94 72	iP	Pb	20 57 14.5 +1.1
NAX	Nakhchivan	1.94 72	iP	Pb	20 56 36.2 -0.2
NAX	Nakhchivan	1.94 72	iP	Pb	20 57 14.5 +1.1
ENGB	Bingöl	1.95 282	ePn	Pg	20 56 35.2 -1.4
ECAT	Cat-ERZURUM	1.96 302	iP	Pb	20 56 35.5 -1.4
ECAT	Cat-ERZURUM	1.96 302	iP	Pb	20 56 35.5 -1.4
SENK	Senkaya-Erzuru	2.05 343	ePn	Pn	20 56 35.5 +0.6
SENK	Senkaya-Erzuru	2.05 343	ePn	Pn	20 56 35.5 +0.6
BINT	Bingol	2.08 279	ePn	Pn	20 56 35.4 -0.8
EAK	Akyaka	2.12 10	iP	Pb	20 56 34.9 +0.1
EAK	Akyaka	2.12 10	iP	Pb	20 56 39.2 -0.5
HANI	Diyarbakir_Han	2.15 266	iP	Pb	20 56 39.0 -1.1
HANI	Diyarbakir_Han	2.15 266	iP	Pb	20 56 39.0 -1.1
YEDI	Yedisu-Bingol	2.18 293	ePn	Pn	20 56 38.6 +1.0
YEDI	Yedisu-Bingol	2.18 293	ePn	Pn	20 56 38.6 +1.0
MARD	Mardin	2.25 236	iP	Pb	20 56 48.1 -1.2
DIYA	Diyarbakir	2.46 255	iP	Pb	20 56 46.1 +0.7
DIYA	Diyarbakir	2.46 255	iP	Pb	20 56 46.1 +0.7
KOPT	Kop Dagı	2.49 306	iP	Pn	20 56 41.6 -0.3
KOPT	Kop Dagı	2.49 306	iP	Pn	20 56 41.6 -0.3
ODEM	Demirkeç	2.53 336	iP	Pb	20 56 48.1 -1.2
ODEM	Demirkeç	2.53 336	iP	Pb	20 56 48.1 -1.2
DDEM	Demirkeç	2.53 336	iP	Pb	20 56 48.1 -1.2
DAGI	Agililar	2.65 340	iP	Pb	20 56 46.8 -1.9
BGD	Bogdanovka	2.69 8	P	Pg	20 56 52.5 +0.1
AKH	Akhalkakali	2.82 6	ePn	Pn	20 56 47.3 +0.8
AKH	Akhalkakali	2.82 6	ePn	Pn	20 56 53.0 -2.0
AKH	Akhalkakali	2.82 6	ePn	Pn	20 56 53.0 -2.0
AKH	Akhalkakali	2.82 6	ePn	Pn	20 56 47.3 +0.8
ERZn	Erzincan	2.83 292	ePn	Pn	20 56 47.8 +1.3
TRNL	Tunceli-Merkez	2.85 282	iP	Pb	20 56 50.7 -1.3
TRNL	Tunceli-Merkez	2.85 282	iP	Pb	20 56 50.7 -1.3
GNDB	GEDABAY	2.93 43	iP	Pb	20 56 51.3 -2.2
GNDB	GEDABAY	2.93 4			

NIS1 Nisyros Isl.	1.45	55	ePN	Pn	20 57 16.0 +0.9	AKAS Kas	3.20	81	P	Pn	20 57 41.4 +2.1	OUR Ouranopolis	4.74	344	P	Pn	20 58 00.9 +0.6
NIS1 Nisyros Isl.	1.45	55	eSN	Sb	20 57 38.5 +3.4	AKAS Kas	3.20	81	ePN	Pn	20 57 41.5 +2.1	OUR Ouranopolis	4.74	344	P	Pn	20 58 00.9 +0.6
NIS1 Nisyros Isl.	1.45	55	P	Pn	20 57 16.1 +0.9	SKY Skiros Island	3.22	344	P	Pn	20 57 40.2 +0.8	OUR Ouranopolis	4.74	344	P	Pn	20 58 00.9 +0.6
NIS1 Nisyros Isl.	1.45	55	P	Pn	20 57 15.6 +0.4	SKY Skiros Island	3.22	344	P	Pn	20 57 40.1 +0.7	OUR Ouranopolis	4.74	344	P	Pn	20 58 00.9 +0.6
NIS1 Nisyros Isl.	1.45	55	ePN	Pn	20 57 16.0 +0.9	SKY Skiros Island	3.22	344	P	Pn	20 57 40.1 +0.7	SHUT Suhut-Afyon	4.76	53	ePN	Pn	20 58 04.0 +3.2
NIS1 Nisyros Isl.	1.45	55	P	Pn	20 57 15.6 +0.4	SKY Skiros Island	3.22	344	P	Pn	20 57 40.1 +0.7	SKY Skiros Island	4.76	53	ePN	Pn	20 58 04.0 +3.2
NIS1 Nisyros Isl.	1.45	55	P	Pn	20 57 15.6 +0.4	DNZL Cakirokul	3.25	54	iP	Pn	20 57 43.1 +2.4	THL Klokotos Trika	4.77	323	P	Pn	20 58 02.9 +2.1
GVD Gavdhos	1.62	35	P	Pb	20 57 19.4 -0.6	DNZL Cakirokul	3.25	54	iP	Pn	20 57 43.1 +2.4	THL Klokotos Trika	4.77	323	P	Pn	20 58 02.9 +2.1
GVD			AML	AML	20 57 45.4	THAL Thaler	3.31	314	P	Pn	20 57 42.4 +1.8	THL Klokotos Trika	4.77	323	P	Pn	20 58 02.9 +2.1
GVD	comp=N,52659µm,0.4s		AML	AML	20 57 49.5	THAL Thaler	3.31	314	P	Pn	20 57 41.8 +1.1	HMAT Matruh	4.83	166	P	Pn	20 57 58.6 -3.0
GVD	comp=E,66683µm,0.4s		AML	AML	20 57 17.8 +0.3	THAL Thaler	3.31	314	P	Pn	20 57 41.8 +1.1	PLG Polygyros	4.91	339	P	Pn	20 58 03.4 +0.6
GVD Gavdhos	1.62	35	P	Pn	20 57 17.8 +0.3	DENIZ Denizli	3.32	53	ePN	Pn	20 57 43.2 +2.1	PLG Polygyros	4.91	339	P	Pn	20 58 03.4 +0.6
GVD Gavdhos	1.62	35	P	Pn	20 57 17.8 +0.3	DENIZ Denizli	3.32	53	ePN	Pn	20 57 43.2 +2.1	PLG Polygyros	4.91	339	P	Pn	20 58 03.4 +0.6
GVD			P	Pn	20 57 17.8 +0.3	PROD Prodromos	3.33	319	P	Pn	20 57 42.0 +1.0	PLG Polygyros	4.91	339	P	Pn	20 58 03.4 +0.6
DAT Datca	1.79	58	ePN	Pn	20 57 20.2 +0.4	PROD Prodromos	3.33	319	P	Pn	20 57 42.0 +1.0	PLG Polygyros	4.91	339	P	Pn	20 58 03.4 +0.6
DAT Datca	1.79	58	iP	Pn	20 57 20.2 +0.4	ITM Ithomi	3.34	296	P	Pb	20 57 44.8 -4.4	KCTX Karacabey (Bur	4.94	24	ePN	Pn	20 58 05.0 +1.9
DAT Datca	1.79	58	ePN	Pn	20 57 20.3 +0.4	ITM Ithomi	3.34	296	P	Pb	20 57 43.2 +2.1	KCTX Karacabey (Bur	4.94	24	ePN	Pn	20 58 05.0 +1.9
DAT Datca	1.79	58	ePN	Pn	20 57 20.3 +0.4	ITM Ithomi	3.34	296	P	Pb	20 57 43.2 +2.1	LIT Litokhoron	5.00	330	P	Pn	20 58 15.0 +1.4
BODT Bodrum	1.82	45	ePN	Pn	20 57 20.5 +0.2	ITM Ithomi	3.34	296	P	Pb	20 57 43.2 +2.1	LIT Litokhoron	5.00	330	P	Pn	20 58 15.0 +1.4
BODT Bodrum	1.82	45	ePN	Pn	20 57 20.5 +0.2	ITM Ithomi	3.34	296	P	Pb	20 57 43.2 +2.1	LIT Litokhoron	5.00	330	P	Pn	20 58 15.0 +1.4
BODT Bodrum	1.82	45	P	Pn	20 57 20.4 +0.2	GLHS Gihisar (BURDU	3.36	65	ePN	Pn	20 57 43.2 +2.1	LIT Litokhoron	5.00	330	P	Pn	20 58 15.0 +1.4
BODT Bodrum	1.82	45	P	Pn	20 57 20.4 +0.2	GLHS Gihisar (BURDU	3.36	65	ePN	Pn	20 57 43.2 +2.1	LIT Litokhoron	5.00	330	P	Pn	20 58 15.0 +1.4
DATC Datca-Mugla	1.86	58	ePN	Pb	20 57 22.6 -1.5	DKL Dikili	3.42	16	P	Pn	20 57 42.9 +0.7	LIT Litokhoron	5.00	330	P	Pn	20 58 15.0 +1.4
DATC Datca-Mugla	1.86	58	ePN	Pb	20 57 22.6 -1.5	DKL Dikili	3.42	16	P	Pn	20 57 42.9 +0.7	LIT Litokhoron	5.00	330	P	Pn	20 58 15.0 +1.4
BDRM Kayabasi	1.90	47	iP	Pn	20 57 21.6 +0.2	SIGR SIGRI	3.42	2	P	Pn	20 57 41.5 -0.6	LKD2 Lefkada island	5.01	308	P	Pn	20 58 06.3 +2.2
BDRM Kayabasi	1.90	47	iP	Pn	20 57 21.6 +0.2	SIGR SIGRI	3.42	2	P	Pn	20 57 41.5 -0.6	LKD2 Lefkada island	5.01	308	P	Pn	20 58 06.3 +2.2
BDRM Kayabasi	1.90	47	P	Pn	20 57 21.6 +0.2	SIGR SIGRI	3.42	2	P	Pn	20 57 41.5 -0.6	LKD2 Lefkada island	5.01	308	P	Pn	20 58 06.3 +2.2
ANKY Antikythira Is	1.95	273	P	Pn	20 57 21.7 -0.3	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ANKY Antikythira Is	1.95	273	P	Pn	20 57 21.7 -0.3	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ANKY Antikythira Is	1.95	273	P	Pn	20 57 21.6 -0.3	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	P	Pn	20 57 24.3 +1.4	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	P	Pn	20 57 24.3 +1.4	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.42	2	P	Pn	20 57 41.6 -0.6	BOLV Bolvadin	5.11	54	ePN	Pn	20 58 09.3 +3.7
ARG Arkhangelos	2.02	77	S	Sb	20 57 49.6 -1.8	SIGR SIGRI	3.4										



CLL	comp=Z,23nm,0.8s	17.99 333	i/P	Pn	21 00 58.4	-0.3
CLL	comp=Z,30nm,0.9s		i/Pmax		21 01 00.9	
CLL			i/P	pP	21 01 05.2	-1.2
CLL			e/S	Sn	21 04 21.0	+2.5
CLL			LmH		21 07 00.0	
CLL	comp=N,20nm,18.4s		LmH		21 07 00.0	
CLL	comp=E,300nm,19.4s					
CLL	Colim	17.99 333	i/P	Pn	21 00 58.4	-0.3
CLL	comp=E,23nm,0.8s					
CLL	Colim	17.99 333	e/Pn	P	21 00 58.9	-0.1
CLL	comp=E,25nm,0.8s					
CLL	Colim	17.99 333	e/S	S	21 04 24.0	0.0
CLL	comp=E,25nm,0.8s					
CLL	Colim	17.99 333	e/Pn	P	21 00 58.9	-0.1
LOMOT	18.19 315	e/P			21 01 03.7	+2.4
LOMOT	18.19 315	e/P			21 01 03.7	+2.4
VSR	18.21 28	e/P			21 01 02.5	+1.1
VSR	comp=Z,8.0nm,1.0s					
VSR	Storozhevoje	18.21 28	e/P	Pmax	21 01 02.5	+1.1
MOF	Molkenrain	18.29 317	e/P	P	21 01 03.1	+0.6
MOF	Molkenrain	18.29 317	e/P	P	21 01 03.1	+0.6
SUW	Suwalki	18.31 355	e/P	P	21 01 02.1	-0.3
SUW	Suwalki	18.31 355	e/P	P	21 01 02.1	-0.3
SUW	Suwalki	18.31 355	e/P	P	21 01 02.1	-0.3
GKP	Gorka Klasztor	18.47 344	e/P	P	21 01 04.0	-0.2
GKP	Gorka Klasztor	18.47 344	e/P	P	21 01 04.0	-0.2
GKP	Gorka Klasztor	18.47 344	e/P	P	21 01 04.0	-0.2
ECH	Echery	18.49 318	e/P	Pn	21 01 04.9	+0.1
ECH	Echery	18.49 318	e/P	Pn	21 01 05.9	+0.8
ECH	comp=Z,23nm,1.3s					
ECH	Echery	18.49 318	e/P	Pn	21 01 04.9	+0.1
ECH	Echery	18.49 318	e/P	Pn	21 01 05.9	+0.8
TOD	Tromm	18.51 323	e/P	P	21 01 03.6	-1.2
LANF	Langenberg	18.61 321	e/P	Pn	21 01 06.1	-0.1
LANF	Langenberg	18.61 321	e/P	Pn	21 01 06.1	-0.1
MICGM	Minsk	18.78 41	e/P	P	21 01 05.0	-2.6
MICGM			PM		21 01 06.0	
MNK	Minsk	18.78 41	e/P	P	21 01 05.0	-2.6
MNK			Pmax			
NACGM	Naroch	19.13 2	e/P	P	21 01 11.0	-0.5
NACGM			PM		21 01 13.0	
THEF	They Montfort	19.14 317	e/P	P	21 01 11.5	-0.2
THEF	They Montfort	19.14 317	e/P	P	21 01 11.5	-0.2
LPSR	Galich'ya Gora	19.25 25	e/P	P	21 01 12.6	-0.2
LPSR			Pmax			
LPSR	Galich'ya Gora	19.25 25	e/P	P	21 01 12.6	-0.2
RUP	Ruppelstein	19.44 321	e/P	P	21 01 14.6	-0.4
LBL	Lublihc	19.45 306	e/P	Pn	21 01 16.3	-0.2
LBL	Lublihc	19.45 306	e/P	Pn	21 01 16.3	-0.2
PLDF	La Plantade	19.49 308	e/P	P	21 01 15.2	-0.4
PLDF	La Plantade	19.49 308	e/P	P	21 01 15.2	-0.4
IDID	Didziasalis	19.54 2	e/P	Iamb	21 01 15.9	+0.2
IDID			Iamb		21 01 17.4	
IIGN	Ignalina	19.57 1	e/P	P	21 01 16.3	0.0
IIGN			Iamb		21 01 17.9	
ISAL	Salakas	19.79 1	e/P	Iamb	21 01 18.6	-0.1
ISAL			Iamb		21 01 20.0	
ISAL	comp=Z,63nm,0.7s					
ISAL	Salakas	19.79 1	e/P	P	21 01 18.6	-0.1
PYM	Petit Puy Mans	19.80 307	e/P	P	21 01 19.1	+0.1
PYM	Petit Puy Mans	19.80 307	e/P	P	21 01 19.1	+0.1
AGO	Saint Agoulin	19.83 308	e/P	P	21 01 19.1	-0.2
AGO	Saint Agoulin	19.83 308	e/P	P	21 01 19.1	-0.2
WLF	Walferdange	19.88 320	e/P	P	21 01 19.8	+0.1
WLF	Walferdange	19.88 320	e/P	P	21 01 19.8	+0.1
WLF	comp=Z,14nm,0.7s					
WLF	Walferdange	19.88 320	e/P	P	21 01 19.8	+0.1
WLF	comp=Z,14nm,0.7s					
WLF	Walferdange	19.88 320	e/P	P	21 01 19.8	+0.1
FRNF	Fournois	19.95 306	e/P	Pn	21 01 22.0	-0.4
FRNF	Fournois	19.95 306	e/P	Pn	21 01 22.0	-0.4
IZAR	Zarasal	19.97 1	e/P	P	21 01 20.5	-0.1
IZAR			Iamb		21 01 21.3	
MGM	Membach	20.53 322	e/P	P	21 01 27.1	+0.3
HGM	Heimsgroewe	20.67 323	e/P	P	21 01 28.8	+0.6
HGM			e/S	Sn	21 05 26.1	+3.2
HGN			e/S	L	21 09 47.2	
BSD	Bornholm Skovb	20.71 342	i/P	P	21 01 26.4	-2.2
BSD	Bornholm Skovb	20.71 342	i/P	P	21 01 26.4	-2.2
BSD	Bornholm Skovb	20.71 342	i/P	P	21 01 26.4	-2.2
OBN	Obninsk	20.73 18	e/P	P	21 01 28.2	-0.7
OBN	comp=Z,24nm,0.4s,baz=212,slow=17,SNR=11					
OBN	Obninsk	20.73 18	e/P	LR	21 01 05.6	
OBN	comp=Z,132nm,20.4s,baz=270,slow=38					
OBN	Obninsk	20.73 18	e/P	S	21 01 27.9	-1.0
OBN			e/S	S	21 05 17.0	-1.8
OBN	comp=Z,80nm,1.2s					
OBN	Obninsk	20.73 18	e/P	MLR		
OBN	comp=Z,146nm,14.0s					
OBN	Obninsk	20.73 18	e/P	P	21 01 28.2	-0.7
OBN	comp=Z,71nm,1.0s					
BCLA	Clavier	20.77 321	e/P	Pn	21 01 33.0	+1.1
DOU	Dourbes	20.95 320	e/P	P	21 01 32.1	+0.8
WTSB	Winterswijk	21.04 326	e/P	P	21 01 32.1	-0.2
WTSB	comp=Z,150nm,2.2s					
WTSB	Winterswijk	21.04 326	e/P	P	21 01 32.1	-0.2
RAYN	Ar Rayn	21.07 120	e/P	P	21 01 35.8	+2.9
RAYN	comp=Z,22nm,1.0s					
RAYN	Ar Rayn	21.07 120	e/P	P	21 01 35.8	+2.9
SNF	Senefre	21.15 320	e/P	P	21 01 37.2	+1.6
MOS	Moscow	21.56 19	e/P	P	21 01 36.2	-1.6
MOS			e	S	21 02 15.5	
MOS			e/S	S	21 05 32.8	-2.4
MOS	comp=Z,43nm,1.2s					
MOS			Pmax			
MOS	comp=Z,100nm,2.0s					
MOS	Moscow	21.56 19	e/P	P	21 01 36.2	-1.6
TAM	Tamanrasset	21.79 239	e/P	P	21 01 42.3	+1.6
TAM			Pmax			
TAM	comp=Z,16nm,0.9s					
TAM	Tamanrasset	21.79 239	e/P	P	21 01 42.3	+1.6
TAM	comp=Z,16nm,0.9s					
TAM	Tamanrasset	21.79 239	e/P	P	21 01 42.3	+1.6
MENF	Mencas	22.51 318	e/P	P	21 01 47.1	-0.9
MENF	Mencas	22.51 318	e/P	P	21 01 47.1	-0.9
VSU	Vasula	22.70 1	e/P	P	21 01 48.9	-1.0
VSU	comp=Z,69nm,0.6s					
VSU	Vasula	22.70 1	e/P	P	21 01 48.9	-1.0
MUD	Monsted U'grnd	23.51 337	i/P	P	21 01 55.8	-2.4
MUD	Monsted U'grnd	23.51 337	i/P	P	21 01 55.8	-2.4
MUD	Monsted U'grnd	23.51 337	i/P	P	21 01 55.8	-2.4
ES19	SONSECA Array	23.67 288	e/P	P	21 01 59.2	-0.9
ES19	SONSECA Array	23.67 288	e/P	P	21 01 59.2	-0.9
ES19	SONSECA Array	23.67 288	e/P	P	21 01 59.2	-0.9
ESDC	Sonsec Array	23.72 288	e/P	P	21 01 59.7	-0.8
ESDC	comp=Z,1.6nm,0.3s,baz=82,slow=9,SNR=29					
ESDC	Sonsec Array	23.72 288	e/P	P	21 01 59.7	-0.8
ESDC	comp=Z,1.5nm,0.9s,baz=49,slow=1.2,SNR=4.9					
ESDC			ScP		21 09 20.6	+0.3
ESLA	Sonsec Array	23.72 288	e/P	P	21 02 00.1	-0.4

ESLA	comp=Z,32nm,1.3s	23.72 288	e/P	P	21 02 00.1	-0.4
PUL	Sonsec Array	23.72 288	e/P	P	21 02 00.1	-0.4
PUL	comp=Z,32nm,1.3s					
PUL	Pulkovo	24.18 6	i/P	Pmax	21 02 03.5	-1.0
PUL	comp=Z,92nm,0.6s					
PUL	Pulkovo	24.18 6	e/P	P	21 02 03.5	-1.0
WOL	Wolverton	24.73 317	e/P	P	21 02 08.5	-1.2
SWNI	Swindon	25.15 317	e/P	Iamb	21 02 12.6	-0.8
SWNI			Iamb		21 02 16.5	
MDT	Midlett	25.16 272	e/P	P	21 02 13.5	-0.4
MDT	comp=Z,4.8nm,0.6s,baz=86,slow=12,SNR=13					
MDT			LR		21 13 58.7	
SSW	Stow on the Wo	25.39 318	e/P	P	21 02 14.8	-0.8
STRD	Stroud	25.47 318	e/P	P	21 02 15.0	-1.3
STRD			Iamb		21 02 17.8	
HFS	Hagfors	25.57 346	e/P	P	21 02 15.1	-2.0
HFS	comp=Z,4.3nm,0.5s,baz=139,slow=9.2,SNR=30					
HFS			LR		21 12 48.9	
FINES	FINES Array B	25.68 0	e/P	P	21 02 16.6	-1.4
FINES	comp=Z,6.4nm,0.7s,baz=145,slow=11,SNR=17					
FINES			ScP		21 09 23.8	-1.4
FINES	comp=Z,3.4nm,0.8s,baz=145,slow=7.0,SNR=4.9					
FINES			LR		21 14 30.8	
HGH	Gray Hill	25.76 317	e/P	P	21 02 17.6	-1.3
MONM	Monmouth	25.86 317	e/P	P	21 02 18.1	-1.7
PBRG	Braganca	25.89 293	e/P	P	21 02 19.8	-0.5
DYA	Yadsworth	25.90 314	e/P	Iamb	21 02 20.2	0.0
DYA			Iamb		21 02 20.8	
DYA	comp=Z,41nm,0.6s					
GEYT	Alibeck	25.96 76	e/P	P	21 02 22.5	+1.5
GEYT	comp=Z,24nm,0.5s,baz=268,slow=9.7,SNR=86					
GEYT					21 15 19.5	
MCHI	Michaelchurch	26.03 317	e/P	P	21 02 20.0	-1.4
MVO	Moncorvo	26.08 292	e/P	P	21 02 21.6	-0.4
STNC	Stoke	26.14 320	e/P	Iamb	21 02 21.4	-0.9
STNC	comp=Z,104nm,1.3s					
STNC	Stoke	26.14 320	e/P	P	21 02 21.4	-0.9
PBAR	Barrancos	26.18 285	e/P	P	21 02 22.9	0.0
LHO	Holmfirth	26.19 321	e/P	P	21 02 20.6	-2.2
LHO	Holmfirth	26.19 321	e/P	P	21 02 20.6	-2.2
HLM1	Long Mynd	26.21 319	e/P	P	21 02 21.6	-1.5
HLM1	Long Mynd	26.21 319	e/P	P	21 02 21.6	-1.5
PMRV	Marv??	26.28 288	e/P	P	21 02 24.2	-0.5
PCBR	Castelo Branco	26.43 289	e/P	P	21 02 25.3	+0.2
HTL	Hartland	26.44 314	e/P	Iamb	21 02 24.6	-0.5
HTL			Iamb		21 02 27.5	
MTE	Manteigas	26.47 290	e/P	P	21 02 25.4	-0.2
FOEL	Foel Wyifa	26.56 319	e/P	Iamb	21 02 24.9	-1.2
FOEL			Iamb		21 02 26.2	
FOEL	comp=Z,24nm,0.7s					
PESTR	Estremoz	26.56 287	e/P	P	21 02 25.0	-1.2
PESTR			P		21 02 25.8	-0.6
KLMR	Klimovskoe	26.60 15	e/P	P	21 02 21.4	-5.0
KLMR			e	Pmax	21 05 48.5	
KLMR	comp=Z,16nm,1.3s					
KLMR	Klimovskoe	26.60 15	e/P	P	21 05 48.5	-1.4
PVRL	Vila Real	26.60 292	e/P	P	21 02 26.3	-0.4
POLO	Lamas de Oia	26.66 292	e/P	P	21 02 27.2	-0.1
LPW	Lampeter	26.68 317	e/P	Iamb	21 02 25.8	-1.4
LPW			Iamb		21 02 32.8	
LLW	Llanuwchllyn	26.79 319	e/P	P	21 02 27.3	-0.9
LLW	Llanuwchllyn	26.79 319	e/P	P	21 02 27.3	-0.9
PVAQ	Vaqueiros	26.80 283	e/P	P	21 02 27.7	-0.8
PBEJ	Beja	26.85 285	e/P	P	21 02 28.3	-0.6
NOA	NORSAR Array B	26.91 344	e/P	P	21 02 27.2	-2.0
NOA	comp=Z,0.6nm,0.4s,baz=154,slow=10,SNR=11					
NOA			ScP		21 09 27.4	-1.6

6d 20h

MKAR	comp=Z,1.5nm,0.7s,baz=276,slow=4.4,SNR=4.4	S	S	21 11 12.6	+0.3
MKAR	comp=Z,1.4nm,0.8s,baz=266,slow=15,SNR=4.8	S	P	21 04 49.1	+1.0
MKAR	Makanchi Array	43.07	57	eP	P
MKAR	Novosibirsk	43.07	57	eP	P
MK01	Makanchi Array	43.08	57	eP	P
MK01	Makanchi Array	21 04 49.1	+0.9		
NVS	Novosibirsk	43.34	45	iP	P
NVS		21 06 38.2			
NVS		i	S	P	
NVS		i	S	P	
NVS	comp=Z,4.2nm,1.1s			pmax	pmax
NVS	comp=N,13nm,1.2s			pmax	pmax
NVS	comp=E,2.1nm,1.0s			smax	smax
NVS	comp=N,20nm,1.9s			smax	smax
NVS	comp=E,2.2nm,1.1s			smax	smax
NVS	Novosibirsk	43.34	45	iP	P
NVS	comp=E,1.3nm,1.2s			pmax	pmax
NVS	Novosibirsk	43.34	45	iP	P
ZAA0	Zalesovo Array	44.26	47	eS	P
ZAA0	Zalesovo Array	21 04 57.5	+0.0		
ZAA0	Zalesovo Array	21 04 57.5	+0.0		
ZAA0	Zalesovo Array	21 04 57.5	+0.0		
ZALV	Zalesovo Beam	44.26	47	eS	P
ZALV	comp=E,1.3nm,0.4s,baz=268,slow=9.7,SNR=40			pmax	pmax
ZALV	comp=E,2.4nm,0.8s,baz=260,slow=18,SNR=6.1			pmax	pmax
ZALV	comp=E,4.8nm,20.0s,baz=252,slow=40			pmax	pmax
DAG	Danmarks Havn	45.54	347	iP	P
DAG	comp=Z,4.2nm,0.8s			pmax	pmax
DAG	Danmarks Havn	45.54	347	iP	P
DAG	comp=Z,3.0nm,0.8s			pmax	pmax
DGZ	Jazzator, Alta	46.15	52	iP	P
DGZ	comp=Z,7.0nm,0.7s			pmax	pmax
DGZ	Jazzator, Alta	46.15	52	iP	P
DGZ	comp=Z,7.0nm,0.7s			pmax	pmax
WMQ	Urumqi	47.31	60	pP	P
WMQ	comp=Z,8.0nm,1.1s			pmax	pmax
WMQ	Urumqi	21 05 24.3	+2.3		
WMQ	comp=Z,8.0nm,1.1s			pmax	pmax
WMQ	Urumqi	21 05 33.4	+0.2		
WMQ	comp=Z,8.0nm,1.1s			pmax	pmax
WMQ	Urumqi	21 05 39.4	+9.1		
WMQ	comp=Z,8.0nm,1.1s			pmax	pmax
WMQ	Urumqi	21 05 39.4	+9.1		
SUMG	Summit	48.55	339	iP	P
SUMG	comp=Z,9.6nm,0.9s			pmax	pmax
SUMG	Summit	48.55	339	eP	P
SUMG	comp=Z,12nm,0.9s			pmax	pmax
SUMG	Summit	48.55	339	eP	P
SUMG	comp=Z,12nm,0.9s			pmax	pmax
SUMG	Summit	48.55	339	eP	P
SUMG	comp=Z,12nm,0.9s			pmax	pmax
PYUN	Piuthan	48.63	82	eP	P
DANN	Dangjing	49.15	81	eP	P
KOLN	Koldanda	49.26	82	eP	P
GKN	Gorkha	50.00	81	eP	P
HYB	Hyderabad	50.07	97	iP	P
DMN	Daman	50.54	82	eP	P
KKN	Kakani	50.60	81	eP	P
PKIN	Phulchoki	50.79	82	eP	P
PKI	Pulchoki	50.80	82	eP	P
GUN	Gumba	51.03	81	eP	P
JIRN	Jiri	51.39	81	eP	P
RAMN	Ramite	52.02	82	eP	P
SFJD	Kangerlussuaq	52.34	331	P	P
SFJD	comp=Z,6.2nm,0.4s,baz=91,slow=8.6,SNR=9.4			pmax	pmax
SFJD	comp=Z,5.4nm,19.0s,baz=109,slow=40			pmax	pmax
ODAN	Odare	52.70	81	eP	P
TAPN	Taplejung	52.74	81	eP	P
MOY	Mondy	54.27	48	eP	P
MOY	comp=Z,1.6nm,2.0s			pmax	pmax
MOY	Mondy	54.27	48	eP	P
MOY	comp=Z,1.6nm,2.0s			pmax	pmax
LSA	Lhasa	54.49	76	P	P
LSA	comp=Z,5.0nm,0.7s			pmax	pmax
LSA	Lhasa	54.49	76	eP	P
LSA	comp=Z,5.0nm,0.7s			pmax	pmax
LSA	Lhasa	54.49	76	P	P
LSA	comp=Z,14nm,0.7s			pmax	pmax
LSA	Lhasa	54.49	76	eP	P
LSA	comp=Z,14nm,0.7s			pmax	pmax
ZAK	Zakamensk	56.00	49	eP	P
ZAK	comp=Z,11nm,1.0s			pmax	pmax
ZAK	Zakamensk	56.00	49	eP	P
ZAK	comp=Z,11nm,1.0s			pmax	pmax
SHL	Shilong	56.88	81	eP	P
GTA	Gaotai	57.28	62	eP	P
GTA	comp=Z,2.1nm,1.0s			pmax	pmax
GTA	Gaotai	21 06 40.2	+6.5		
GTA	comp=Z,2.1nm,1.0s			pmax	pmax
GTA	Gaotai	21 06 37.4	+1.3		
GTA	comp=Z,2.4nm,0.5s			pmax	pmax
GTA	Gaotai	21 06 46.2	-1.7		
GTA	comp=Z,2.4nm,0.5s			pmax	pmax
GTA	Gaotai	21 07 31.5	+1.3		
GTA	comp=Z,2.4nm,0.5s			pmax	pmax
GTA	Gaotai	21 14 32.1	+1.5		
GTA	comp=Z,5.0nm,1.2s			pmax	pmax
GTA	comp=Z,3.1nm,4.1s			pmax	pmax
GTA	comp=Z,8.3nm,14.7s			pmax	pmax
GTA	comp=Z,7.0nm,15.2s			pmax	pmax
GTA	comp=Z,9.1nm,15.7s			pmax	pmax
SONM	Songrio Array	58.75	51	P	P
SONM	comp=Z,4.0nm,0.5s,baz=286,slow=7.8,SNR=46			pmax	pmax
SONM	Songrio Array	21 06 47.0	+0.8		
SONM	comp=Z,6.3nm,20.5s,baz=290,slow=39			pmax	pmax
SON1	Songrio Array	58.75	51	eP	P
SON1	Songrio Array	21 06 46.5	+0.2		
IMP	Imphal	58.88	80	eP	P
BOD	Bodaibo	59.69	38	eP	P
BOD	comp=Z,9.0nm,1.5s			pmax	pmax
BOD	Bodaibo	59.69	38	eP	P
BOD	comp=Z,9.0nm,1.5s			pmax	pmax
LBTB	Lobatse	60.47	180	eP	P
LBTB	comp=Z,1.8nm,0.9s			pmax	pmax
LBTB	Lobatse	60.47	180	eP	P
LBTB	comp=Z,1.8nm,0.9s			pmax	pmax
LBTB	Lobatse	60.47	180	eP	P
LBTB	comp=Z,1.8nm,0.9s			pmax	pmax
LZH	Lanzhou	61.53	64	eP	P
LZH	comp=Z,2.2nm,1.1s			pmax	pmax
LZH	Lanzhou	21 07 19.0	+1.6		
LZH	comp=Z,2.2nm,1.1s			pmax	pmax
LZH	Lanzhou	21 07 23.2	+9.9		
LZH	comp=Z,2.2nm,1.1s			pmax	pmax
LZH	Lanzhou	21 09 24.7	+3.8		
LZH	comp=Z,2.5nm,1.3s			pmax	pmax
LZH	comp=Z,9.2nm,7.5s			pmax	pmax
LZH	comp=Z,3.70nm,15.0s			pmax	pmax
LZH	comp=Z,3.70nm,14.7s			pmax	pmax
LZH	comp=Z,4.20nm,18.2s			pmax	pmax
SCHO	Schefferville	62.99	320	P	P
SCHO	comp=Z,2.1nm,0.4s,baz=76,slow=3.9,SNR=20			pmax	pmax
SCHO	Schefferville	62.99	320	eP	P
SCHO	comp=Z,1.9nm,0.6s			pmax	pmax
SCHO	Schefferville	62.99	320	eP	P

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CD2	comp=Z,1.8nm,0.6s	63.76	70	P	P
CD2	Chengdu	21 07 19.5	-0.9		
BOSA	comp=Z,24nm,0.6s	64.06	180	P	P
BOSA	comp=Z,1.1nm,0.6s,baz=348,slow=7.1,SNR=25			pmax	pmax
BOSA	BOSA	21 07 23.8	+1.6		
BOSA	comp=Z,55nm,20.0s,baz=350,slow=39			pmax	pmax
BOSA	Boshof	64.06	180	eP	P
BOSA	comp=Z,25nm,1.0s			pmax	pmax
BOSA	Boshof	21 07 23.8	+1.6		
BOSA	comp=Z,25nm,1.0s			pmax	pmax
HHC	Hu-ho-hao-te	64.93	57	eP	P
HHC	comp=Z,8.0nm,0.5s			pmax	pmax
HHC	Hu-ho-hao-te	21 07 27.6	-0.3		
HHC	comp=Z,8.0nm,0.5s			pmax	pmax
YAK	Yakutsk	65.12	30	P	P
YAK	comp=Z,2.31nm,0.7s,baz=318,slow=1.8,SNR=13			pmax	pmax
YAK	Yakutsk	21 07 28.0	-0.6		
YAK	comp=Z,2.31nm,0.7s			pmax	pmax
YAK	Yakutsk	65.12	30	eP	P
YAK	comp=Z,3.6nm,1.9s			pmax	pmax
YAK	comp=E,9.0nm,1.0s			pmax	pmax
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	65.12	30	eP	P
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	21 07 27.6	-1.0		
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	65.12	30	eP	P
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	21 07 27.6	-1.0		
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	65.12	30	eP	P
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	21 07 27.6	-1.0		
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	65.12	30	eP	P
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	21 07 27.6	-1.0		
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	65.12	30	eP	P
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	21 07 27.6	-1.0		
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	65.12	30	eP	P
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	21 07 27.6	-1.0		
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	65.12	30	eP	P
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	21 07 27.6	-1.0		
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	65.12	30	eP	P
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	21 07 27.6	-1.0		
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	65.12	30	eP	P
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	21 07 27.6	-1.0		
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	65.12	30	eP	P
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	21 07 27.6	-1.0		
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	65.12	30	eP	P
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	21 07 27.6	-1.0		
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	65.12	30	eP	P
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	21 07 27.6	-1.0		
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	65.12	30	eP	P
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	21 07 27.6	-1.0		
YAK	comp=N,4.0nm,1.0s			pmax	pmax
YAK	Yakutsk	65.12	30	eP	P
YAK	comp=N,4.0nm,1				

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Frequency, and other parameters. Includes stations like FVM French Village, R42A Luebbering, S43A Fulton Ridge, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Frequency, and other parameters. Includes stations like 447A Lucedale, U37A Salina, SWMT Swartz Lake, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Power, Frequency, and other parameters. Includes stations like TUTA Tutak, AGRB Hanur-Agry, SCPH Surigao, etc.

ISK 06 21:08:01.6, 38°18'N, 43°46'E, h2km, ML3.2
CSEM 06 21:08:02.0, 38°18'N, 43°51'E, h8km, ML3.5, Error ellipse: s-maj=4.9km s-min=3.5km az=94.0

ICD 06 21:14:35.4, 1.0, 62°02'N, 61°57'W, h0km, mb3.4/3, mb1 3.9/6, mb1mx3.5/44, mbtmp3.7/6, ML3.5/3, Error ellipse: s-maj=18.5km s-min=16.6km az=111.0

Table with columns: Code, Station Name, Azimuth, Elevation, Power, Frequency, and other parameters. Includes stations like VMUR Van-Muradiye, ERVC ERICIS-VAN, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Power, Frequency, and other parameters. Includes stations like CDKN Chidiak Camp, FRB Froberish Bay, etc.



6d 21h

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

ISN 06 21:15:28.6.1.1.381.45N.43.24E, h0km, ML3.7
ISK 06 21:15:37.5.38.60N.43.15E, h5km, ML3.6
DDA 06 21:15:38.7.38.60N.43.18E, h16km, ML3.8
ISCJB 06 21:15:39.3.0.4.38.60N.0.02.43.16E.0.03, h8km, 4km, Error ellipse: s-maj=4.4km s-min=3.5km az=36.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VANB Van, TVAN Van, GEVA Gevas, etc.

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Table with columns: SENK Senkaya-Erzurum, EAK Akyaka, EAK Akyaka, etc. Includes station codes and coordinates.

ATH 06 21:22:33.8.35.79N.25.64E, h34km, 2km, ML2.4/9, Error ellipse: s-maj=2.8km s-min=0.8km az=75.0
ISCJB 06 21:22:34.7.0.4.35.79N.0.02.25.65E.0.04, h26km, 5km, Error ellipse: s-maj=6.0km s-min=3.4km az=180.0

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

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, KDTR Khodutka, Kamc, etc.

IDC 06 21:36:02.5.1.1.35.78N.25.54E, h0km, mb3.6/3, mb1 3.4/5, mb1mx3.2/42, mbtmpr3.4/5, ML2.8/2, MS2.9/1, ms1 2.9/1, ms1mx2.1/37, Error ellipse: s-maj=47.0km s-min=12.6km az=143.0
ATH 06 21:36:05.0.35.79N.25.64E, h31km, 1km, ML3.1/9, Error ellipse: s-maj=1.4km s-min=0.8km az=87.0

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

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

ISCJB 06 21:41:39.8:0.7, 30:14N:0:07:97:37E:0:08, h10km, mb3.5/6, MS2.9/2, Error ellipse: s-maj=10.3km s-min=8.9km az=39.9

IDC 06 21:41:40.2:1.0, 30:14N:97:42E, h0km, mb3.5/7, mb1 3.6/9, mb1mx3.5/45, mbmtpp3.5/9, ML3.4/2, MS2.9/2, Ms1 2.9/2, ms1mx2.5/38, Error ellipse: s-maj=49.8km s-min=16.5km az=61.0

ISC 06 21:41:41.8:0.9, 30:17N:0:08:97:4E:0:1, h10km, n21, a1526/20, mb3.6/6, Xizang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IMP, SHL, TAPAN, ODAN, JIRN, GUN, PKI, etc.

ISK 06 21:41:48.9, 38:61N:43:15E, h12km, ML2.4

ISCJB 06 21:41:49.0:0.6, 38:59N:0:03:43:21E:0:05, h25km, 7km, Error ellipse: s-maj=16.1km s-min=5.2km az=22.3

DDA 06 21:41:49.5, 38:61N:43:16E, h6km, ML3.1

CSEM 06 21:41:49.4:0.2, 38:60N:43:17E, h10km, ML3.4, Error ellipse: s-maj=4.7km s-min=4.6km az=86.0

ISC 06 21:41:49.0:1.2, 38:61N:0:03:43:20E:0:03, h17km, 10km, n22, a0573/40, Turkey

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

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

IDC 06 21:43:04.1:1.0, 30:07N:97:39E, h0km, mb3.4/6, mb1 3.6/8, mb1mx3.4/42, mbmtpp3.5/8, ML3.4/2, Error ellipse: s-maj=57.7km s-min=16.8km az=64.0

ISCJB 06 21:43:06.7:0.7, 30:06N:0:08:97:35E:0:08, h33km, mb3.4/5, Error ellipse: s-maj=11.2km s-min=9.6km az=155.6

ISC 06 21:43:09.2:1.0, 30:10N:0:10:97:4E:0:1, h35km, n17, a086/17, mb3.5/5, Xizang

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

ISK 06 21:46:28.3, 38:54N:43:16E, h16km, MD2.6

ISCJB 06 21:46:29.4:0.8, 38:59N:0:05:43:15E:0:05, h14km, 11km, Error ellipse: s-maj=9.1km s-min=4.8km az=139.1

CSEM 06 21:46:29.1:0.3, 38:59N:43:14E, h10km, MD2.6, Error ellipse: s-maj=6.5km s-min=5.2km az=146.0

DDA 06 21:46:29.6, 38:62N:43:11E, h7km, ML2.5

ISC 06 21:46:29.5:1.1, 38:50N:0:03:43:14E:0:03, h10km, 10km, n14, a0543/28, Turkey

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

IDC 06 21:47:32.5:1.0, 30:09N:97:53E, h0km, mb3.5/7, mb1 3.7/9, mb1mx3.5/45, mbmtpp3.6/9, ML3.9/2, Error ellipse: s-maj=49.6km s-min=16.4km az=61.0

ISCJB 06 21:47:34.9:0.7, 30:05N:0:07:97:47E:0:08, h33km, mb3.6/6, Error ellipse: s-maj=11.0km s-min=9.5km az=146.2

ISC 06 21:47:37.4:1.0, 30:10N:0:10:97:5E:0:1, h35km, n18, a110/18, mb3.6/6, Xizang

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

JMA 06 21:50:42.9:0.1, 24:87N:122:24E, h0km, M2.5

ISCJB 06 21:50:43.7:0.5, 24:94N:0:03:122:27E:0:02, h11km, 3km, Error ellipse: s-maj=4.2km s-min=3.0km az=4.5

TAP 06 21:50:43.8, 24:95N:122:22E, h1km, ML3.3, 4

ISC 06 21:50:43.6:1.0, 24:93N:0:03:122:27E:0:02, h11km, 9km, n34, a059/65, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TWB1, TWB2, etc.

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

IDC 06 21:52:55.1:2.7, 22:24S:176:98W, h0km, mb3.8/4, mb1 4.2/4, mb1mx3.8/27, mbmtpp3.8/4, Error ellipse: s-maj=190.2km s-min=35.2km az=161.0, South of Fiji Islands

ISCJB 06 21:57:27.8:0.2, 30:09N:0:02:97:32E:0:02, h33km, mb4.7/79, MS3.8/27, Error ellipse: s-maj=3.4km s-min=2.5km az=1.7

MOS 06 21:57:27.7:0.8, 30:19N:97:48E, h45km, mb4.8/33, Error ellipse: s-maj=10.1km s-min=5.1km az=119.4

BJJ 06 21:57:27.8, 30:16N:97:47E, h28km, mb4.5/33, mb4.5/19, ML4.4/6, Ms4.2/41, Ms7.4/141

NEIC 06 21:57:29.0:0.5, 30:12N:97:42E, h48km, 5km, mb4.8/33, Error ellipse: s-maj=4.7km s-min=3.6km az=48.0

ISC 06 21:57:28.8:0.3, 30:10N:0:04:97:34E:0:03, h35km, n197, a159/214, mb4.7/80, MS3.8/27, 10C-10D, Xizang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TBI, PPT2, ASAR, etc.

IDC 06 21:57:23.2:0.5, 30:10N:97:44E, h0km, mb4.4/31, mb1 4.5/33, mb1mx4.4/54, mbmtpp4.4/33, ML4.2/2, MS3.7/24, mb1 3.8/24, ms1mx3.6/47, Error ellipse: s-maj=16.4km s-min=11.4km az=40.0

ISCJB 06 21:57:26.5:0.2, 30:09N:0:02:97:32E:0:02, h33km, mb4.7/79, MS3.8/27, Error ellipse: s-maj=3.4km s-min=2.5km az=1.7

MOS 06 21:57:27.0:0.8, 30:19N:97:48E, h45km, mb4.8/33, Error ellipse: s-maj=10.1km s-min=5.1km az=119.4

BJJ 06 21:57:27.8, 30:16N:97:47E, h28km, mb4.5/33, mb4.5/19, ML4.4/6, Ms4.2/41, Ms7.4/141

NEIC 06 21:57:29.0:0.5, 30:12N:97:42E, h48km, 5km, mb4.8/33, Error ellipse: s-maj=4.7km s-min=3.6km az=48.0

ISC 06 21:57:28.8:0.3, 30:10N:0:04:97:34E:0:03, h35km, n197, a159/214, mb4.7/80, MS3.8/27, 10C-10D, Xizang

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

6d 21h

Table with columns for station name, frequency, and signal strength. Includes stations like Imphal, Shillong, Kunming, Lanzhou, Taplejung, Gaotai, etc.

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Table with columns for station name, frequency, and signal strength. Includes stations like KSH, KSH, KSH, KSH, KSH, etc.

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Table with columns for station name, frequency, and signal strength. Includes stations like GNI, GNI, ZEI, ZEI, GOF, GOF, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KMBO Kilima Mbogo, DAVOX Davos/Dischmat, EKA Eskdalemuir Ar, etc.

ISK 06 22:05:18.6, 38.69N, 43.16E, h4km, ML2.2
ISCJB 06 22:05:19.5, 0.7, 38.69N, 0.04, 43.15E, 0.05, h13km, 11km, Error ellipse: s-maj=7.4km s-min=4.8km az=44.1

CSEM 06 22:05:19.6, 0.2, 38.70N, 43.13E, h2km, ML2.2, Error ellipse: s-maj=4.6km s-min=4.1km az=76.0
DDA 06 22:05:19.3, 38.70N, 43.19E, h7km, ML2.6
ISC 06 22:05:19.0, 1.0, 38.69N, 0.03, 43.16E, 0.03, h14km, 8km, n16, c0544/31, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like VANB Van, VMUR Van-Muradiye, GURU Guroymak-BITLI, etc.

JMA 06 22:06:38.0, 35.79N, 137.22E, h12km, M2.6, Eastern Honshu
Code Station Name Az Az' Phase ID Time Res ISC
JGF Kuroka 0.22 149 P Op P 22 06 42.7 0.0

CSEM 06 22:15:43.9, 0.1, 38.61N, 43.14E, h2km, MD2.8, Error ellipse: s-maj=3.4km s-min=2.9km az=154.0
DDA 06 22:15:43.8, 38.62N, 43.16E, h7km, ML2.6
ISC 06 22:15:43.3, 38.62N, 43.15E, h7km, MD2.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like VANB Van, GURU Guroymak-BITLI, AGRB Hanur-Agry, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like AGRB Hanur-Agry, SIRR S-rnak, SIRR S-rnak, etc.

IDC 06 22:18:50.4, 2.9, 10.17N, 123.22E, h0km, mb3.7/3, mb1 3.9/3, mb1mx3.4/32, mbtm3.7/3, Error ellipse: s-maj=299.5km s-min=25.8km az=63.0

MAN 06 22:18:53.9, 0.75N, 122.08E, h22km, mb4.5, ML3.4, MS3.3
ISC 06 22:18:55.6, 1.4, 9.81N, 122.29E, 0.05, h33km, 7km, n19, c0261/26, mb3.7/3, 4C-2D, Negros

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GUIM Jordan, JUM San Jose, Anti, SIRR S-rnak, etc.

IDC 06 22:26:36.9, 2.0, 6.70S, 129.87E, h0km, mb4.6/1, mb1 4.1/4, mb1mx3.7/31, mbtm4.0/4, ML3.7/3, Error ellipse: s-maj=87.9km s-min=26.7km az=77.0, Banda Sea

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

ISC 06 22:28:45.9, 38.62N, 43.15E, h3km, MD2.8
CSEM 06 22:28:46.9, 0.2, 38.61N, 43.13E, h5km, MD2.8, Error ellipse: s-maj=4.3km s-min=3.6km az=169.0

DDA 06 22:28:46.9, 38.61N, 43.16E, h7km, ML3.1
ISCJB 06 22:28:47.2, 0.4, 38.63N, 0.03, 43.13E, 0.03, h9km, 6km, Error ellipse: s-maj=4.3km s-min=4.0km az=147.5

ISC 06 22:28:47.2, 0.9, 38.61N, 0.03, 43.14E, 0.03, h10km, 9km, n26, c070/44, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like VANB Van, VMUR Van-Muradiye, GURU Guroymak-BITLI, etc.

WEL 06 22:29:06.5, 0.5, 37.95S, 175.79E, h256km, 4km, ML3.7/16, 8C-5D, Error ellipse: s-maj=5.1km s-min=5.0km az=0.0, North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MURZ Mururapa, URJ Urewera, RTZ Raatuhanga, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MWZ Moawhango, MOVZ Moawhango, RUGZ Raikumara Rang, etc.

IDC 06 22:32:03.4, 7.0, 0.25N, 123.69E, h135km, 74km, mb3.4/7, mb1 3.6/8, mb1mx3.4/32, mbtm3.6/8, Error ellipse: s-maj=65.9km s-min=18.7km az=65.0

ISCJB 06 22:32:04.1, 0.4, 0.06N, 0.04, 123.59E, 0.03, h157km, mb3.6/7, Error ellipse: s-maj=6.0km s-min=3.8km az=1.7

DJA 06 22:32:06.7, 0.3, 0.5, 124.4E, h15km, 7km, M4.3/14, mb4.5/1, mb4.5/6, MLV4.3/14, Mw(mb)3.6/1

ISC 06 22:32:05.1, 0.7, 0.08N, 0.05, 123.58E, 0.04, h157km, n23, c0180/40, mb3.7/7, Minahasa Peninsula, Sulawesi

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

BNSI Bona 22nm, 0.5, 505nm 5.64 218 P Pn 22 33 30.0 +2.9
BAI Bani 22 34 31.8 +0.5
AAI Ambon 5.94 129 P S 22 34 37.3 +1.2

ATH 06 22:33:36.4, 37.67N, 25.85E, h39km, 4km, ML2.3/5, Error ellipse: s-maj=4.7km s-min=1.0km az=142.0

ISCJB 06 22:33:37.3, 0.7, 37.73N, 0.03, 25.81E, 0.04, h11km, 5km, Error ellipse: s-maj=5.7km s-min=4.0km az=22.3

CSEM 06 22:33:37.1, 0.2, 37.74N, 25.79E, h12km, ML2.3, Error ellipse: s-maj=5.6km s-min=3.9km az=107.0

ISK 06 22:33:37.3, 37.76N, 25.80E, h14km, MD2.8
ISC 06 22:33:36.7, 1.1, 37.73N, 0.03, 25.80E, 0.03, h13km, 10km, n24, c0848/41, Dodecanese Island

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





















Table with columns: ID, Name, Time, Date, Status, etc. Includes entries like G36A St. Michael, F37A Hinrichs Farm, BANOM Banah, KSCO Kaye Shedlock, TUC Tucson, etc.

Table with columns: ID, Name, Time, Date, Status, etc. Includes entries like MLR Muntele Rosu, L38A Oak Wood Farm, M37A Trindle Farm, J40A Soldiers Grove, SCIA State Center, K39A Oelwein, etc.

Table with columns: ID, Name, Time, Date, Status, etc. Includes entries like O42A Bath, T37A Cheneyville 18, R39A Chumby, Stover, HDIL Hopedale, S38A Stockton, U36A Oologah, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MIAR Mount Ida, Y44A Benton, 136A Ennis, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TVAN Van, VMUR Van-Muradiye, GEVA Gevas, etc.

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VANB Van, VMUR Van-Muradiye, ERVU ERVU, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VANB Van, VMUR Van-Muradiye, ERVU ERVU, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NEIC 07:02:04.01.9.0.3, 57S, 149.80E, h35km, mb4.2/1, Error ellipse: s-maj=22.8km...

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PMG Port Moresby, PMG Honiara, CTA Charters Town, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ Fitzroy Crossi, STKA Stephens Creek, TGKY Tagay City, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like RAO Raoul Island, MJAR Matsushiro Arr, KSRS Korea Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MA2 Magadan, SONM Songo Array, SONM Songo Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like I46RU ZALEVOV INFRA, ZALV Zalevo Beam, ZALV Zalevo Beam, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TRN 07:02:13:42.7, 18.90N, 64.42W, h27km, MD3.9, etc.

GCMT 07 01:54:40.0.3.3.47S:149.59E, h23km, 1km, MW5.1/96, Moment Tensor Solution: s18,c21, s96,c142; Duration: 0. Moment tensor: Scale 10^16Nm; Mr:0.44±.22; Mw:0.66±.17; M0:1.10±.17; M1:1.37±.29; M2:4.49±.14; Mw:0.24±.22; Best double couple: Mw:7.82000x10^16; NP1:±276.00000; ±889.00000; ±1.1700000; NP2: ±186.00000; ±73.00000; ±1.17900000; Principal axes: T 4.56000, Plg13.00000, Azm142.00000; N 0.44400, Plg73.00000; Azm279.00000; P -5.00400, Plg11.00000; Azm49.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

GCMT 07 01:59:27.8.1.8.3.62S:149.43E, h0km, mb3.8/5, mb1.4/5, mb1mx3.7/30, mbtmp3.9/5, Error ellipse: s-maj=69.4km s-min=23.6km az=115.0, Bismarck Sea

GCMT 07 02:07:03.6.9.2.5560N:85.16E, h0km, Error ellipse: s-maj=52.0km s-min=28.2km az=7.0, Southwestern Siberia

ISCJB 07 02:01:19.8.1.0.38.71N:0.05.43.49E, h19km, 10km, Error ellipse: s-maj=10.7km s-min=6.9km az=23.7

ISCJB 07 02:03:57.9.0.7.3.49S:0.06.149.8E:0.1, h19km, mb4.4/14, MS4.3/15, Error ellipse: s-maj=18.9km s-min=7.9km az=8.5

ISC 07 02:13:44.9:1.2,18.86N,0.07:64.39W,0.02,h30km,gbkm,  
n87,c1809/130,22C-23D, Virgin Islands

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

IDC 07 02:22:52.7:1.7,3.62S,150.04E,h0km,mb3.7/5,  
mb1 4.0/5,mb1mx3.6/40,mbtmp3.8/5, Error ellipse:  
s-maj=68.1km s-min=22.8km az=117.0, New Ireland

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for IDC 07 02:22:52.7.

ISK 07 02:27:11.5,38.62N,43.12E,h18km,MD2.7  
DDA 07 02:27:12.4,38.60N,43.10E,h7km,MI2.7  
CSEM 07 02:27:12.2,0.2,38.62N,43.11E,h10km,MD2.7, Error  
ellipse: s-maj=5.4km s-min=4.7km az=171.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for ISK and IDC 07 02:27:11.5.

ISCJBJ 07 02:28:06.9:0.4,3.40S,0.05:149.62E,0.08,h19km,  
mb4.5/31,MS4.0/17, Error ellipse: s-maj=10.8km  
s-min=7.1km az=2.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for ISCJBJ 07 02:28:06.9.

ISC 07 02:28:07.3:4.2S,149.68E,h35km,mb4.7/26,mb5.0/20,  
Ms4.8/11,Ms7.4/5.7  
NEIC 07 02:28:12.8:1.4,3.59S,149.80E,h52km,14km,mb4.7/10,  
Error ellipse: s-maj=13.0km s-min=9.2km az=141.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for ISC 07 02:28:07.3.

ISC 07 02:28:07.9:0.5,3.35S,0.07:149.81E,0.08,h19km,n56,  
c29147/mb4.8/31,MS4.1/17,Bismarck Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for ISC 07 02:28:07.9.

IDC 07 02:16:17.5:4.4,3.76S,149.90E,h0km,mb3.9/3,  
mb1 4.1/3,mb1mx3.5/36,mbtmp3.9/3, Error ellipse:  
s-maj=172.7km s-min=47.7km az=115.0, Bismarck Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for IDC 07 02:16:17.5.

comp=Z,10.0nm,0.5s pmax pmax

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for comp=Z,10.0nm,0.5s.

ISCJBJ 07 02:29:13.2:1.0,36.19N,0.05:142.08E,0.10,h23km,  
mb3.5/4,MS3.7/1, Error ellipse: s-maj=11.3km  
s-min=6.8km az=10.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for ISCJBJ 07 02:29:13.2.

JMA 07 02:29:14.6:0.2,36.20N,141.93E,h3km,MB3.2  
IDC 07 02:29:20.4:5.6,36.00N,141.70E,h53km,45km,mb3.2/4,  
mb1 3.5/6,mb1mx3.2/60,mbtmp3.6/6,ML3.4/2,MS3.7/1,  
Ms1 3.7/1,ms1mx2.9/22, Error ellipse: s-maj=51.2km  
s-min=17.9km az=75.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for JMA and IDC 07 02:29:20.4.

ISC 07 02:29:15.5:1.2,36.18N,0.05:141.99E,0.09,h23km,n19,  
c19312/1,mb3.5/4,Near East coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for ISC 07 02:29:15.5.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for various codes including CHJO, JHO, ONAJ, etc.

DJA 07 02:29:50.1:1.0,2.5S,122.12E,h11km,7km,M4.3/9,  
ML4.3/9,Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for DJA 07 02:29:50.1.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include BITLIS\_Adilcev, Gevas, Tutak, Hanur-Agry, Baskale\_VAN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include SIJI Sorong, SAUI Saumiki, KDU Kakadu, QNS Mount Isa, BIDI Bandanaira, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include RPZ, QIZ Qiongzong, QIZ, QIZ, QIZ, etc.

ISC 07 04:01:33.7 0.4, 3.62S, 149.74E, h0km, mb4.5/29, mb1.4/6/32, mb1mx4.5/49, mbtmp4.5/32, ML4, 1/2, MS4.3/36, MS1.4/3.36, ms1mx4.2/45, Error ellipse: s-maj=14.0km, s-min=1.10km az=88.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include RABL Rabaul, PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include PCI Palu, MPFI M'paga, YNG Young, HTT Hallett, CNB Canberra, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include RPZ, QIZ Qiongzong, QIZ, QIZ, QIZ, etc.







Table with columns: Code, Station Name, Az, El, P, S, M, R, Time, Res, ISC, H, M, S, ISC. Includes stations like Coldfoot, Eielson Array, ILAR, etc.

Table with columns: Code, Station Name, Az, El, P, S, M, R, Time, Res, ISC, H, M, S, ISC. Includes stations like Dimbokro, Raoul Island, SNZO, etc.

Table with columns: Code, Station Name, Az, El, P, S, M, R, Time, Res, ISC, H, M, S, ISC. Includes stations like INK, EKA, ILAR, etc.







7d 8h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TBVI Tortola, STVI Saint Thomas, MTP Monte Pirata, etc.

ISCJB 07:23:05.9-0.7, 31.97S:0.03-69.63W:0.04, h114km, 8km, Error ellipse: s-maj=6.1km s-min=5.4km az=11.3

SJA 07:07:23:06.1-0.4, 32.00S:69.59W, h108km, 5km, ML3.6, MW4.2

GUC 07:07:23:06.0-0.6, 31.94S:70.26W, h138km, 5km, ML3.8

ISC 07:07:23:06.3-1.5, 31.97S:0.04-69.64W:0.04, h112km, 11km, n22, c0977/34, 5C-1D, San Juan Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RTLS Leoncito, ASAL Salagasta, RTVC Cerro Valdivia, etc.

ISK 07:07:23:15.4, 38.83N:43.03E, h5km, ML3.5
CSEM 07:07:23:16.0-0.1, 38.83N:43.02E, h2km, ML3.9, Error ellipse: s-maj=3.4km s-min=2.9km az=141.0

DDA 07:07:23:16.9, 38.82N:42.99E, h7km, M3.9
ISC 07:07:23:16.9-1.0, 38.82N:0.02-43.02E:0.02, h5km, 9km, n66, c130/93, 1C-4D, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ADCV BITLIS\_Adilcev, ERCV ERCIS-VAN, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CLDR Caldiran, GURO Guroymak-BITLI, EKAR Karacaban, etc.

ISK 07:07:44:12.2, 38.90N:42.94E, h14km, ML2.6

ISCJB 07:07:44:13.8, 38.89N:0.03-42.91E:0.04, h26km, 7km, Error ellipse: s-maj=5.6km s-min=5.3km az=18.6

CSEM 07:07:44:13.2-0.3, 38.90N:42.89E, h10km, ML2.8, Error ellipse: s-maj=6.5km s-min=6.3km az=177.0

DDA 07:07:44:14.8, 38.87N:42.94E, h7km, M2.8
ISC 07:07:44:12.8-1.0, 38.91N:0.03-42.97E:0.03, h18km, 5km, n22, c0972/36, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ADCV BITLIS\_Adilcev, VANB Van, VMUR Van-Muradiye, etc.

DDA 07:08:06:50.0, 38.74N:43.36E, h7km, M3.2
ISC 07:08:06:50.7, 38.67N:43.19E, h6km, MD2.6

ISCJB 07:08:06:51.0-0.4, 38.69N:0.03-43.21E:0.04, h14km, 4km, Error ellipse: s-maj=4.8km s-min=4.5km az=19.5

CSEM 07:08:06:51.4-0.2, 38.69N:43.20E, h12km, MD2.6, Error ellipse: s-maj=3.9km s-min=3.7km az=11.0

ISC 07:08:06:50.4-0.9, 38.77N:0.03-43.28E:0.02, h16km, 7km, n28, c1514/47, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VANB Van, ERCV ERCIS-VAN, VMUR Van-Muradiye, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GURO Guroymak-BITLI, GURO Guroymak-BITLI, GURO Guroymak-BITLI, etc.

IDC 07:08:11:06.0-4.6, 3.38S:149.40E, h0km, mb3.3/2, mb1.3.6/2, mb1mx3.3/2, mbtm3.4/2, MS3.2/1, Ms1.3.2/1, ms1mx2.6/1.5, Error ellipse: s-maj=191.8km s-min=47.7km az=109.0, Bismarck Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR Honiara, WRA Warrunganga Arr, ASAR Alifan Springs, etc.

ISCJB 07:08:21:11.9, 0.4, 38.69N:0.02-43.13E:0.03, h9km, 7km, Error ellipse: s-maj=4.3km s-min=3.8km az=137.2

ISK 07:08:21:11.0, 38.68N:43.17E, h5km, MD2.7
DDA 07:08:21:11.8, 38.66N:43.14E, h7km, M2.9
CSEM 07:08:21:11.6-0.2, 38.67N:43.16E, h10km, MD2.7, Error ellipse: s-maj=4.4km s-min=3.4km az=141.0

ISC 07:08:21:11.8-0.9, 38.70N:0.02-43.16E:0.02, h12km, 7km, n30, c1927/53, Turkey

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

ISK 07:07:44:12.2, 38.90N:42.94E, h14km, ML2.6

ISCJB 07:07:44:13.8, 38.89N:0.03-42.91E:0.04, h26km, 7km, Error ellipse: s-maj=5.6km s-min=5.3km az=18.6

CSEM 07:07:44:13.2-0.3, 38.90N:42.89E, h10km, ML2.8, Error ellipse: s-maj=6.5km s-min=6.3km az=177.0

DDA 07:07:44:14.8, 38.87N:42.94E, h7km, M2.8
ISC 07:07:44:12.8-1.0, 38.91N:0.03-42.97E:0.03, h18km, 5km, n22, c0972/36, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ADCV BITLIS\_Adilcev, VANB Van, VMUR Van-Muradiye, etc.

DDA 07:08:06:50.0, 38.74N:43.36E, h7km, M3.2
ISC 07:08:06:50.7, 38.67N:43.19E, h6km, MD2.6

ISCJB 07:08:06:51.0-0.4, 38.69N:0.03-43.21E:0.04, h14km, 4km, Error ellipse: s-maj=4.8km s-min=4.5km az=19.5

CSEM 07:08:06:51.4-0.2, 38.69N:43.20E, h12km, MD2.6, Error ellipse: s-maj=3.9km s-min=3.7km az=11.0

ISC 07:08:06:50.4-0.9, 38.77N:0.03-43.28E:0.02, h16km, 7km, n28, c1514/47, Turkey

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

DDA 07:08:06:50.0, 38.74N:43.36E, h7km, M3.2
ISC 07:08:06:50.7, 38.67N:43.19E, h6km, MD2.6

ISCJB 07:08:06:51.0-0.4, 38.69N:0.03-43.21E:0.04, h14km, 4km, Error ellipse: s-maj=4.8km s-min=4.5km az=19.5

CSEM 07:08:06:51.4-0.2, 38.69N:43.20E, h12km, MD2.6, Error ellipse: s-maj=3.9km s-min=3.7km az=11.0

ISC 07:08:06:50.4-0.9, 38.77N:0.03-43.28E:0.02, h16km, 7km, n28, c1514/47, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BKI Bering, SMY Shemya, SMY Shemya, etc.

Table with columns: KRER, Koryakskii, 6.17 267, PN, Pn, 08 40 45.3 -0.1, etc. Lists various stations and their coordinates.

Table with columns: H11S3, WAKE ISLAND Hy 35.59 184, T, T, 09 23 59.3, etc. Lists stations like WAKE ISLAND and YKA.

Table with columns: TX31, Lajitas Ar. Si, 65.28 74, eP, P, 08 49 55.4 -0.1, etc. Lists stations like Lajitas Ar. Si and AKASG.

GUC 07 08:49:24.8±0.6, 21.755±68.63W, h134km±4km, ML3.5, 6C-1D, Chile-Bolivia border region

Table with columns: Code, Station Name, Δ, A, Z, Phase ID, Time, Res. Lists stations like IPOC Station P and IPOC Station P.

ICD 07 09:19:34.7±0.7, 35.74N±25.74E, h0km, mb4.0/9, mb1.4/0.13, mb1mx3.7/56, mbtmp3.9/13, ML3.7/4, Error ellipse: s-maj=19.7km s-min=8.4km az=149.0

Table with columns: Code, Station Name, Δ, A, Z, Phase ID, Time, Res. Lists stations like NPS Neapolis and NPS Neapolis.

Table with columns: ID, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters. Includes stations like THRS Thira Island, CMBO Colombo, SIVA Sivas, etc.

Table with columns: ID, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters. Includes stations like DID Didima, CHOS Chios Island, DALY Dalyan, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters. Includes stations like ROSC El Rosal, ZARC Zaragoza, RUSC La Rusia, etc.





Table with columns: ARU, Arti, 37.87 325 eP, P, 09 50 55.9 -0.7, etc. Includes stations like BR101, BRTR, AKASG, etc.

DDA 07 09:45:37.5, 38.69N:43.58E, h18km, M13.5
ISK 07 09:45:37.4, 38.70N:43.54E, h5km, MD3.1
CSEM 07 09:45:37.0, 38.71N:43.55E, h5km, MD3.1, Error ellipse: s-maj=4.9km s-min=3.6km az=104.0

ISC/JB 07 09:45:38.2, 0.3, 36.72N:0.02:43.56E:0.04, h7km, 3km, Error ellipse: s-maj=4.7km s-min=3.1km az=12.0
ISC 07 09:45:38.4, 0.9, 36.71N:0.02:43.54E:0.02, h13km, 6km, n53, r18/86, Turkey

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, Res ISC. Includes stations like VANB, VANV, TVAN, etc.

ISC/JB 07 09:51:01.0, 0.9, 12.9S:0.1:168.8E:0.2, h650km, mb4, 1/11, Error ellipse: s-maj=19.9km s-min=16.8km az=7.7

IDD 07 09:51:02.9, 2.3, 12.95S:168.75E, h650km, 20km, mb3.5/11, mb1 3.7/12, mb1mx3.6/52, mbtmp4.6/12, Error ellipse: s-maj=20.4km s-min=16.3km az=40.0

ISC 07 09:51:03.0, 0.9, 12.9S:0.1:168.8E:0.1, h650km, n13, r136/17, mb4.0/11, Santa Cruz Islands region

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

Table with columns: WRA, ASAR, ASAR, FITZ, VETA, PNDK, CMAR, MAW, ILAR, TORD. Includes station names and coordinates.

ISC/JB 07 09:52:22.8, 0.3, 36.52N:0.02:70.90E:0.04, h188km, mb3.9/15, Error ellipse: s-maj=5.1km s-min=2.8km az=153.0
IDC 07 09:52:24.3, 1.7, 36.50N:70.95E, h200km, 16km, mb3.7/14, mb1 3.9/21, mb1mx3.6/52, mbtmp4.4/21, Error ellipse: s-maj=10.4km s-min=10.1km az=34.0
NCC 07 09:52:29.7, 1.7, 36.39N:70.85E, h211km, 11km, mb3.9, mpz:1.47, Error ellipse: s-maj=14.0km s-min=8.2km az=147.0

ISC 07 09:52:23.0, 0.4, 36.57N:0.04:71.03E:0.05, h188km, n75, c238/95, mb4.1/15, 9C-8D, Afghanistan-Tajikistan border region

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

CSEM 07 10:00:24.2, 1.1, 50.54N:14.49E, h2km, ML2.4, Error ellipse: s-maj=21.2km s-min=7.8km az=120.0, Suspected Mining explosion.

VIE 07 10:00:26.8, 0.8, 50.37N:14.66E, h0km, mb2.5/1, ML2.4/5, Error ellipse: s-maj=6.3km s-min=4.1km az=152.0, Suspected Mining explosion.

ISC 07 10:00:22.9, 2.4, 50.57N:0.08:14.43E:0.10, h0km, n10, c897/14, Czech and Slovak Republics

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, Res ISC. Includes stations like VANB, VANV, TVAN, etc.

Table with columns: AKTO, AKTO, TAPN, ODAN, WSAR, POO, ZALV, ZALV, SHLV, ARU, MDRS, SONM, CMAR, AKASG, FINES, ARCES, NB2, NOA, KLR, TORD, TORD, ILAR, FITZ, BOSA, YKA, WRA, ASAR. Includes station names and coordinates.

ISC/JB 07 10:06:24.4, 0.5, 34.21N:0.03:135.32E:0.04, h12km, 4km, mb3.3/3, Error ellipse: s-maj=5.2km s-min=4.7km az=168.3
JMA 07 10:06:24.6, 34.21N:135.31E, h7km, 1km, M3.3 Broadband fault plane solution: P waves: NP1: phi=371.00000, 380.00000, 121.00000. NP2: phi=223.00000, 369.00000, 169.00000. Principal axes:

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

ISC 07 10:00:46.5, 38.71N:43.52E, h15km, M13.4
DDA 07 10:00:46.5, 38.71N:43.52E, h15km, M13.4
ISC 07 10:00:46.4, 0.9, 38.70N:0.02:43.55E:0.03, h18km, 3km, n30, r191/157, Turkey

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

ISC 07 10:00:46.5, 38.71N:43.52E, h15km, M13.4
DDA 07 10:00:46.5, 38.71N:43.52E, h15km, M13.4
ISC 07 10:00:46.4, 0.9, 38.70N:0.02:43.55E:0.03, h18km, 3km, n30, r191/157, Turkey

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, Res ISC. Includes stations like VANB, VANV, TVAN, etc.

T Plg22.0000°, Azm182.0000°; N Plg67.0000°, Azm342.0000°; P Plg7.0000°, Azm89.0000°; JMA Felt II J1.
IDC 07 10:06:25.2-1.3, 33.33°N; 135.04E, h0km, mb3.3/3, mb1.3/7.4, mb1mx3.4/4.4, mbtmp3.5/4.4, ML3.3/1. Error ellipse: s-maj=34.9km s-min=24.6km az=97.0
ISC 07 10:06:24.9-1.1, 34.21°N; 0.03:135.31E; 0.03, h5km, gkm, n13, c09621, mb3.3/3, 4C-3D, Near south coast of western Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JWY Kouya, JWY Minabe, JMW Tsuna, etc.

ISK 07 10:21:55.9, 38.75°N; 43.55E, h8km, MD2.8
ISCJB 07 10:21:56.0-0.5, 38.75°N; 0.03:43.54E; 0.05, h15km, 4km, Error ellipse: s-maj=7.1km s-min=4.0km az=23.1
CSEM 07 10:21:56.0-0.2, 38.76°N; 43.51E, h15km, MD2.8, Error ellipse: s-maj=6.8km s-min=4.5km az=109.0
DDA 07 10:21:56.9, 38.77°N; 43.45E, h7km, Ml2.9
ISC 07 10:21:57.0-0.9, 38.76°N; 0.02:43.50E; 0.03, h17km, 6km, n20, c1530/37, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like VANB Van, VANB Van, VMUR Van-Muradiye, etc.

DDA 07 10:24:52.8, 38.60°N; 43.19E, h7km, Ml2.7
CSEM 07 10:24:52.0-0.3, 38.64°N; 43.20E, h10km, ML2.7, Error ellipse: s-maj=8.0km s-min=6.7km az=101.0
ISC 07 10:24:51.4-1.0, 38.60°N; 0.04:43.26E; 0.06, h26km, gkm, n14, c0561/26, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like VANB Van, VANB Van, TVAN Van, etc.

IDC 07 10:32:57.9-3.0, 53.66°N; 88.08E, h0km, mb1.3/3.3, mb1mx3.0/3.5, mbtmp3.3/3.3, ML3.0/3, Error ellipse: s-maj=17.6km s-min=16.3km az=63.0
NMC 07 10:32:59.0-1.6, 53.74°N; 87.85E, h0km, mb3.8, mpv3.2, Error ellipse: s-maj=15.7km s-min=10.8km az=161.0
ISC 07 10:33:00.6-4.1, 53.59°N; 0.1:88.2E; 0.2, h35km, n8, c0911/17, 7C-2D, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ZALV Zalesovo Beam, ZALV Zalesovo Beam, KURK Kurchatov, etc.

0.5nm, 0.3s, baz=52, slow=44, SNR=4.3
MKAR Makanchi Array 8.01 211 Pn 10 34 54.2 -0.2
0.2nm, 0.3s, baz=28, slow=12, SNR=5.1
MKAR 0.3nm, 0.3s, baz=28, slow=28, SNR=6.6 Sn 10 36 22.6 -0.0
MKAR 0.2nm, 0.3s, baz=29, slow=28, SNR=2.5 Sn 10 37 05.5
BVAR Borovoye Array 10.66 273 Pn 10 35 30.7 +0.1
0.2nm, 0.3s, baz=70, slow=17, SNR=2.7
I34MM SONGINO INFRAS 12.99 110 I 11 50 10.0
baz=308, slow=325, SNR=0.7

IDC 07 10:36:33.6-0.9, 13.68°S; 77.04W, h0km, mb4.2/6, mb1.4/4.9, mb1mx4.2/3.0, mbtmp4.2/9, ML3.7/2, MS3.8/5, Ms1.3/5.5, ms1mx3.4/2.3, Error ellipse: s-maj=27.5km s-min=19.4km az=53.0
ISCJB 07 10:36:33.0-0.3, 13.97°S; 0.05:76.99W; 0.06, h27km, mb4.7/5.2, MS4.3/4, Error ellipse: s-maj=10.1km s-min=4.2km az=142.4
NEIC 07 10:36:38.7-1.8, 13.87°S; 76.94W, h34km, 12km, mb4.7/4.6, Error ellipse: s-maj=10.5km s-min=4.3km az=60.0
NEIC Felt [I] at Chinchá Alta and Tambo de Mora. Also felt at Barranca, Lima, Pisico and San Luis.
BUJ 07 10:36:39.9, 14.64°S; 77.11W, h65km, mB5.1/6, Ms2.5/4, Ms7.4/9.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NNA Nana, NNA Nana, ATAH Atahualpa, etc.

DDA 07 10:40:01.2, 37.74°N; 36.54E, h5km, MD2.9
ISCJB 07 10:40:02.0-0.5, 37.74°N; 0.02:36.54E; 0.03, h4km, 7km, Error ellipse: s-maj=4.4km s-min=3.7km az=31.4
CSEM 07 10:40:02.3-0.3, 37.74°N; 36.49E, h10km, ML2.9, Error ellipse: s-maj=6.6km s-min=5.7km az=43.0
DDA 07 10:40:02.2, 37.71°N; 36.52E, h8km, Ml2.9
ISC 07 10:40:02.1-0.9, 37.73°N; 0.03:36.51E; 0.02, h11km, 7km, n26, c0577/42, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WMOK Wichita Mounta, TUL1 Leonhart, MNTX Cornudas Mount, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BOZ Bozeman (W), BEKR Beckworth, MFID Gamma Ranch, etc.

ISC 07 10:40:01.2, 37.74°N; 36.54E, h5km, MD2.9
ISCJB 07 10:40:02.0-0.5, 37.74°N; 0.02:36.54E; 0.03, h4km, 7km, Error ellipse: s-maj=4.4km s-min=3.7km az=31.4
CSEM 07 10:40:02.3-0.3, 37.74°N; 36.49E, h10km, ML2.9, Error ellipse: s-maj=6.6km s-min=5.7km az=43.0
DDA 07 10:40:02.2, 37.71°N; 36.52E, h8km, Ml2.9
ISC 07 10:40:02.1-0.9, 37.73°N; 0.03:36.51E; 0.02, h11km, 7km, n26, c0577/42, Turkey

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

OMAN 07 10:52:08.9, 32.62°N; 49.61E, h14km
IDC 07 10:52:08.9, 32.62°N; 49.61E, h14km, ML3.8
THR 07 10:52:11.2, 9.1, 32.61°N; 49.56E, h0km, mb3.9/1.6, mb1.4/0.18, mb1mx3.8/5.1, mbtmp4.0/1.8, ML4.2/1, MS3.0/5, Ms1.3/0.5, ms1mx2.6/3.6, Error ellipse: s-maj=27.2km s-min=17.0km az=170.0
ISCJB 07 10:52:11.2, 9.1, 32.61°N; 0.04:49.68E; 0.03, h11km, mb4.2/2.3, MS3.5/1, Error ellipse: s-maj=5.7km s-min=3.7km az=27.5
THR 07 10:52:12.9, 11.8, 32.72°N; 49.68E, h15km, 11km, ML3.7
CSEM 07 10:52:13.5-0.2, 32.51°N; 49.58E, h10km, mb4.8/8, Error ellipse: s-maj=9.2km s-min=5.2km az=29.0





7d 11h

2011 NOV

Table with columns: Station, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like CHCP, THW, SRNI, etc.

Table with columns: Station, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like ABKAR, GUN, KURK, etc.

Table with columns: Station, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like HYBB, GROC, BWNR, etc.

Table with columns: Station Name, Frequency, Power, Direction, and Time. Includes stations like KIV, LKAP, SHAO, ARTV, etc.

Table with columns: Station Name, Frequency, Power, Direction, and Time. Includes stations like KMI, ILGA, MMAL, BR131, etc.

Table with columns: Station Name, Frequency, Power, Direction, and Time. Includes stations like UTTA, HAJJ, PHIT, DAMY, ENH, BRDR, etc.



PSI	comp=Z,253nm,1.1s	eS	S	12 13 09.1 +1.3	
HAMF	Hammerfest 42.24 339	eP	IAMB	12 07 04.0 +1.0	
HAMF	comp=Z,961nm,0.7s	eP	IAMB	12 07 05.9	
PERS	Pernice 42.27 302	eP	P	12 07 04.2 +0.4	
PERS	Panska Ves 42.30 308	eSS	SS	12 16 32.9 +8.1	
SOKA	Soboth 42.33 302	eP	P	12 07 04.6 +0.8	
PRU	comp=Z,133nm,0.9s,SNR=36	eP	P	12 07 04.7 +0.5	
PRU	Pruhonic 42.34 307	eP	P	12 07 05.0 +0.8	
PRU		e'PP	pP	12 07 50.0 +0.6	
PRU		e		12 08 12.7	
PRU		e		12 08 46.3	
PRU		e		12 09 53.1	
PRU		eS	S	12 13 05.6 -2.8	
BRG	Berggiesshubel 42.67 308	iP	P	12 07 07.6 +0.8	
BRG	comp=Z,230nm,1.0s	iP	pP	12 07 54.2 +1.1	
BRG	comp=Z,138nm,1.1s	iS	pP	12 08 18.3 +0.5	
BRG	comp=Z,184nm,1.1s	i	S	12 08 52.6	
BRG	comp=Z,109nm,1.2s	i	S	12 09 45.0	
BRG	comp=Z,82nm,1.5s	i	ScP	12 12 23.9 -0.3	
BRG		S	SS	12 13 16.0 +2.8	
BRG		eS	SS	12 14 31.0 -3.8	
BRG	Berggiesshubel 42.67 308	iP	pP	12 07 07.6 +0.8	
BRG		i'PP	pP	12 07 54.2 +1.1	
BRG		i'SP	pP	12 08 18.3 +0.5	
BRG		S	S	12 08 52.6	
BRG	comp=Z,230nm,1.0s	S	pmax	12 13 16.0 +2.8	
BRG	comp=Z,109nm,1.2s	S	pmax		
BRG	comp=Z,82nm,1.5s	S	pmax		
OBKA	Obir 42.68 302	iP	P	12 07 08.3 +1.3	
MOA	Molin 42.71 304	iP	P	12 07 07.5 +0.3	
MOA	comp=N,98nm,0.9s,SNR=37	iP	P		
NVLJ	Novolja 42.74 299	iP	P	12 07 07.7 +0.3	
LJU	Ljubljana 42.75 301	iP	P	12 07 08.3 +0.7	
LJU		eP	pP	12 07 55.0 +1.2	
LJU		eS	SS	12 08 17.7 -0.8	
LJU		eP	pP	12 08 53.9 -0.8	
LJU		eS	SS	12 13 24.9 +0.2	
LJU		eS	SS	12 13 15.2 +0.7	
LJU		eS	SS	12 19 11.2	
CUC	Castrocucco 42.96 292	eP	P	12 07 09.9 +0.6	
RGN	comp=N,172nm,0.7s	eP	P		
RGN	Rugen 42.96 314	eP	P	12 07 10.7 +1.7	
GEAO	GERESS Array S 42.98 305	eP	P	12 07 09.9 +0.5	
GEAC	GERESS Array S 42.98 305	eP	P	12 07 05.0 -4.4	
GEAC	comp=Z,70nm,1.2s	eP	pmax		
GEAC	GERESS Array S 42.98 305	eP	pmax	12 07 05.0 -4.4	
GERES	GERESS Array B 42.98 305	P	P	12 07 09.9 +0.5	
GERES	comp=Z,70nm,1.3s	P	P		
GERES	comp=Z,11nm,0.6s,baz=98,slow=5.8,SNR=44	P	P	12 07 57.0 +1.3	
GERES	comp=Z,3.5nm,0.6s,baz=83,slow=11,SNR=1.8	PP	PP	12 07 57.0 +1.3	
GERES	comp=Z,27nm,0.9s,baz=71,slow=10.6,SNR=6.9	PP	PP	12 08 53.2 -0.7	
GERES	comp=Z,5.4nm,0.6s,baz=85,slow=3.7,SNR=4.4	ScP	ScP	12 12 25.9 +0.2	
GERES	GERESS Array B 42.98 305	*PP	pP	12 07 09.9 +0.5	
GERES		*PP	pP	12 07 57.1 +1.3	
GERES				12 08 53.2	
GERES	comp=Z,22nm,1.0s		pmax		
GERES	comp=Z,27nm,0.9s		pmax		
GERES	comp=N,5.0nm,0.6s		pmax		
KHC	Kasperske Hory 43.04 306	eP	X	12 07 10.1 +0.3	
KHC		eX	X	12 07 20.6	
KHC		eP	pP	12 07 56.4 +0.3	
KHC		eP	pP	12 08 51.3 -3.0	
KHC		eX	X	12 09 42.0	
KHC		eX	X	12 10 02.6	
KHC		eS	SS	12 12 25.6 -0.2	
KHC		eS	SS	12 13 18.6 0.0	
KHC		eS	SS	12 14 29.7	
KHC	Kasperske Hory 43.04 306	eP	pP	12 07 10.1 +0.3	
KHC		e'PP	pP	12 08 21.4 +0.2	
KHC		e		12 08 51.3	
KHC		e		12 09 42.0	
KHC		eS	SS	12 13 18.6 0.0	
KHC		eS	SS	12 17 10.4 +0.3	
HFS	Hagfors 43.10 322	P	P	12 07 10.4 +0.3	
HFS	comp=N,592nm,0.6s,baz=108,slow=3.3,SNR=566	pP	pP	12 07 57.8 +1.3	
CLL	Colim 43.24 309	eP	P	12 07 11.4 +0.1	
CLL	comp=N,85nm,0.6s,baz=104,slow=10,SNR=2.5				
CLL	comp=Z,130nm,1.1s		pmax		
CLL	comp=Z,134nm,1.1s		pmax		
CLL		eP	pP	12 07 13.0	
CLL		iP	pP	12 07 58.0 +0.3	
CLL		iS	pP	12 08 11.1 +1.3	
CLL		i'PP	pP	12 08 56.3 0.0	
CLL	comp=Z,179nm,1.6s				
CLL		eP	pP	12 09 33.0	
CLL		eP	pP	12 09 59.0	
CLL		eS	SS	12 10 06.0	
CLL		eS	SS	12 10 19.5	
CLL		eS	SS	12 12 26.0 -0.5	
CLL	comp=Z,63nm,1.5s		ScP		
CLL	comp=N,300nm,16.9s		eS	12 13 22.0 +0.6	
CLL	comp=E,600nm,27.2s		S	12 13 22.0 +0.6	
CLL		eS	SS	12 14 41.0 -2.2	
CLL		eS	SS	12 16 45.0 +2.0	
CLL		eS	SS	12 17 42.0	
CLL		eS	SS	12 18 24.0	
CLL		eS	SS	12 28 00.0	
CLL	comp=Z,800nm,19.5s		LmV		
CADS	Colim 43.24 309	eP	P	12 07 11.4 +0.1	
CADS	comp=Z,135nm,1.1s				
CADS	Cadrg 43.27 301	eP	P	12 07 11.8 0.0	
CADS		eS	SS	12 12 25.9 -0.9	
CADS		eS	SS	12 13 20.2 -1.9	
CADS		eS	SS	12 14 44.0	
MYKA	Terra Mystica 43.28 302	iP	P	12 07 12.0 +0.2	
TRO	Tromso 43.29 336	eP	IAMB	12 07 15.9 +4.5	
TRO	comp=Z,660nm,1.3s		IAMB	12 07 18.4	
TRI	Trieste 43.33 301	eP	P	12 07 12.7 +0.6	
TRI		eP	pmax		
TRI	comp=Z,97nm,0.9s				
TRI	Trieste 43.33 301	eP	P	12 07 12.7 +0.6	
TRI	comp=Z,97nm,0.9s				
KBA	Koelbrenspers 43.42 303	iP	P	12 07 13.2 +0.1	
KBA	comp=Z,81nm,1.1s,SNR=19				
COP	Copenhagen 43.48 315	iP	P	12 07 13.7 +0.5	
COP	comp=Z,357nm,1.0s				
COP	Copenhagen 43.48 315	iP	P	12 17 01.0	
COP		iP	pmax	12 07 13.7 +0.5	
MSEY	Mahe Island 43.49 203	iP	P	12 07 14.6 +0.9	
MSEY	SNR=15				
MSEY	Mahe Island 43.49 203	iP	P	12 07 15.1 +1.3	
MSEY	Mahe Island 43.49 203	iP	P	12 07 14.7 +0.9	
MSEY	comp=Z,89nm,0.8s				
MSEY	Mahe Island 43.49 203	P	P	12 07 14.7 +0.9	
MSEY	SNR=11				
LLD	Lille Linde 43.60 315	iP	P	12 07 15.4 +1.3	
LLD	comp=Z,54nm,1.0s				
LLD	Lille Linde 43.60 315	iP	pmax	12 07 15.4 +1.3	
LLD			pmax		
LLD	comp=Z,500nm,1.0s				
NKC	Novy Kostel 43.67 307	eP	pP	12 07 15.5 +0.7	
NKC		eP	pP	12 08 02.0 +1.5	
NKC		eX	X	12 08 26.3	
NKC	Novy Kostel 43.67 307	eP	pP	12 08 59.8 -1.2	
NKC		eS	SS	12 12 25.1 -3.2	
NKC		e'PP	pP	12 07 15.5 +0.7	
NKC		e		12 08 02.8 +1.5	
NKC		e		12 08 26.3	
DKAR	Diego Garcia 43.71 178	eP	P	12 07 13.4 -2.0	
DKAR	Diego Garcia 43.71 178	eP	P	12 07 15.9 +0.5	
DKAR	comp=Z,234nm,1.0s				
INCN	Inchon 43.82 71	eP	P	12 07 17.1 +1.0	
MOR	Mol Rana 43.84 331	eP	IAMB	12 07 15.6 -0.4	
MOR	comp=Z,111nm,1.1s		IAMB	12 07 17.5	
YAK	comp=Z,1um,0.7s				
YAK	Yakutsk 43.92 35	P	P	12 07 17.0 +0.4	
YAK	comp=Z,260nm,0.6s,baz=336,slow=0.5,SNR=85				
YAK	Yakutsk 43.92 35	iP	pP	12 07 16.5 0.0	
YAK		e'PP	pP	12 08 04.4 +1.4	
YAK		e		12 08 59.0	
YAK		e		12 09 04.5	
YAK		eS	SS	12 13 31.3 +0.4	
YAK		e'SS	sS	12 14 52.5 -0.4	
YAK		pmax	pmax		
YAK	comp=Z,176nm,0.8s				
YAK	comp=E,77nm,1.0s		pmax		
YAK	comp=N,27nm,1.1s		pmax		
YAK	comp=Z,234nm,1.5s		pmax		
YAK	comp=N,28nm,0.9s		pmax		
YAK	comp=E,197nm,1.2s		pmax		
YAK	comp=N,462nm,2.0s		smax		
YAK	comp=E,136nm,1.6s		smax		
YAK	Yakutsk 43.92 35	eP	P	12 07 16.8 +0.2	
YAK	comp=E,316nm,0.7s				
YAK	STEI 44.00 333	eS	S	12 13 32.5 +1.6	
STEI	Steigen 44.00 333	eP	IAMB	12 07 17.6 +0.5	
STEI		eP	IAMB	12 07 19.4	
ABTA	Abfaltersbach 44.03 302	iP	P	12 07 18.5 +0.7	
ABTA	comp=Z,312nm,0.8s				
ABTA	comp=Z,33nm,0.8s,SNR=11				
NC40S	NORSAR Array S 44.18 323	eP	P	12 07 18.6 -0.1	
AQU	L'Aquila 44.20 296	eP	pmax	12 07 20.9 +1.7	
AQU	comp=Z,110nm,1.1s				
AQU	L'Aquila 44.20 296	eP	P	12 07 19.8 +0.6	
AQU	comp=Z,111nm,1.1s				
NC60Z	NORSAR Array S 44.23 323	eP	P	12 07 18.7 -0.4	
MDJ	Mudanjiang 44.34 61	P	P	12 07 20.1 -0.1	
MDJ		pP	pP	12 08 02.3 -4.4	
MDJ		pP	pP	12 08 25.9 -5.4	
MDJ		pP	pP	12 09 09.3 +1.2	
MDJ		S	S	12 13 35.5 -1.9	
MDJ		sS	sS	12 14 55.1 -4.5	
MDJ		SS	SS	12 17 01.9 +0.1	
MDJ	comp=Z,29nm,0.9s		pmax		
MDJ	comp=Z,120nm,2.6s		pmax		
MDJ	Mudanjiang 44.34 61	eP	P	12 07 21.2 +1.1	
MDJ	comp=Z,266nm,1.9s				
NC30Z	NORSAR Array S 44.36 323	eP	P	12 07 20.0 -0.1	
NB201	NORSAR Array S 44.38 323	eP	P	12 07 20.2 -0.2	
NB2	NORSAR Subarra 44.42 323	P	P	12 07 20.3 -0.3	
NB2	comp=Z,454nm,0.7s,baz=95,slow=7.9				
NB2	NORSAR Subarra 44.42 323	P	P	12 07 20.3 -0.3	
NB2	baz=95,slow=7.9				
NOA	NORSAR Array B 44.42 323	P	P	12 07 20.5 -0.1	
NOA	comp=Z,788nm,1.0s,baz=96,slow=7.8,SNR=493				
NOA		pP	pP	12 08 07.7 +0.5	
NOA	comp=Z,69nm,0.7s,baz=96,slow=7.9,SNR=2.6				
NOA	comp=Z,53nm,0.8s,baz=102,slow=8.3,SNR=4.8				
YHNB	Yeheng 44.42 91	eP	P	12 07 21.0 -0.2	
YHNB		eP	P	12 09 02.0 +1.1	
KONS	Konsvik 44.44 331	eP	IAMB	12 07 20.9 +0.3	
KONS	comp=Z,304nm,0.6s		IAMB	12 07 22.7	
STOK	Stokkvaengen 44.44 331	eP	IAMB	12 07 22.0 +1.4	
STOK		IAMB	IAMB	12 07 27.8	
TPUB	comp=N,91nm,0.7s				
TPUB	Te-pu 44.47 93	eP	P	12 07 21.4 -0.1	
TPUB	comp=N,73nm,1.1s				
SSLB	Suangleung 44.49 92	eP	P	12 07 23.6 +1.9	
SSLB	comp=N,99nm,0.8s				
GRFO	Grafenberg 44.51 307	eP	pmax	12 07 23.3 +1.8	
GRFO	comp=Z,280nm,1.3s				
GRFO	Grafenberg 44.51 307	eP	P	12 07 23.3 +1.8	
GRFO	comp=Z,282nm,1.3s				
NSS	Namsos 44.53 328	eP	IAMB	12 07 21.5 +0.2	
NSS		IAMB	IAMB	12 07 22.9	
WTTA	Wattenberg 44.55 303	iP	P	12 07 21.5 -0.5	
WTTA	comp=Z,107nm,1.1s,SNR=15				
NA001	NORSAR Array S 44.56 323	eP	P	12 07 21.5 -0.2	
OSL	Oslo 44.57 321	eP	IAMB	12 07 22.2 +0.5	
OSL		IAMB			







Table with columns: PPT, Papeete, 139.53 73, PKHKP, PKPpre, 12 18 27.3, etc. Includes stations like PPT, PPT2, PAE, PAE2, VAH, VAH2, ATAH, ATAH2, TIAR, TIAR2, TVO, TVO2, PMSA, PMSA2, etc.

Table with columns: MNAS, 1.3nm, 0.3s, fS, Sg, 12 31 41.7 +2.6, etc. Includes stations like MNAS, KK31, KK312, AML, AML2, MRKS, MRKS2, SFK, SFK2, EKS2, EKS22, ARLS, ARLS2, AAK, AAK2, AAK3, AAK4, AAK5, AAK6, AAK7, AAK8, AAK9, AAK10.

MAN 07 12:33:56, 13°53'N, 120°28'E, h33km, mb3.8, ML2.5, MS2.1. Table with columns: Code, Station Name, Az, Phase ID, Time, Res.

DDA 07 12:48:50.8, 38°69'N, 43°21'E, h7km, Md2.8
ISK 07 12:48:50.4, 38°69'N, 43°17'E, h9km, Md2.8
ISCJB 07 12:48:51.0, 38°69'N, 0°03:43:23E, 0°04, h22km, 6km, Error ellipse: s-maj=5.2km s-min=4.6km az=11.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VANB, VANB2, VANB3, VANB4, TVAN, TVAN2, TVAN3, TVAN4, ADCV, ADCV2, ADCV3, ADCV4, VMUR, VMUR2, VMUR3, VMUR4, GEVA, GEVA2, GEVA3, GEVA4, CLDR, CLDR2, CLDR3, CLDR4, TUTA, TUTA2, TUTA3, TUTA4, HAKT, HAKT2, HAKT3, HAKT4, HAKT5, HAKT6, HAKT7, HAKT8, HAKT9, HAKT10.

NEIC 07 12:06:50.7, 0.0, 52.93N, 164.66W, h45km, ML2.7(AEIC), After AEIC... South of Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AKSA, AKSA2, AKSA3, AKSA4, AKSA5, AKSA6, AKSA7, AKSA8, AKSA9, AKSA10, AKSA11, AKSA12, AKSA13, AKSA14, AKSA15, AKSA16, AKSA17, AKSA18, AKSA19, AKSA20.

ISK 07 12:23:05.6, 38°79'N, 43°53'E, h5km, Md2.6
ISCJB 07 12:23:06.4, 1.2, 38°79'N, 0°04:43:60E, 0.09, h2km, 6km, Error ellipse: s-maj=12.8km s-min=5.7km az=22.3
CSEM 07 12:23:06.9, 0.3, 38°84'N, 43°22'E, h5km, Md2.4, Error ellipse: s-maj=9.8km s-min=5.9km az=108.0
DDA 07 12:23:07.5, 38°79'N, 43°53'E, h7km, Md2.4
ISC 07 12:23:07.5, 1.3, 38°82'N, 0°03:43:51E, 0.04, h17km, 8km, n15, c1928/28, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VMUR, VMUR2, VMUR3, VMUR4, VANB, VANB2, VANB3, VANB4, TVAN, TVAN2, TVAN3, TVAN4, CLDR, CLDR2, CLDR3, CLDR4, GEVA, GEVA2, GEVA3, GEVA4, TUTA, TUTA2, TUTA3, TUTA4, HAKT, HAKT2, HAKT3, HAKT4, HAKT5, HAKT6, HAKT7, HAKT8, HAKT9, HAKT10, RAO, RAO2, RAO3, RAO4, RAO5, RAO6, RAO7, RAO8, RAO9, RAO10, RAO11, RAO12, RAO13, RAO14, RAO15, RAO16, RAO17, RAO18, RAO19, RAO20.

KRNET 07 12:30:47.7, 0.1, 41°40'N, 70.93E, mb2.5
SOME 07 12:30:48.3, 41°15'N, 71°15E, h5km
NMC 07 12:30:52.6, 8.3, 41°43'N, 71°00E, h0km, mb2.8, mpv2.6, Error ellipse: s-maj=78.6km s-min=37.7km az=8.0
ISC 07 12:30:49.8, 1.6, 41°30'N, 0°04:71:21E, 0.04, h6km, 14km, n12, c1930/24, 13C-6D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IUG, IUG2, IUG3, IUG4, IUG5, IUG6, IUG7, IUG8, IUG9, IUG10, IUG11, IUG12, IUG13, IUG14, IUG15, IUG16, IUG17, IUG18, IUG19, IUG20.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SIMA, SIMA2, SIMA3, SIMA4, SIMA5, SIMA6, SIMA7, SIMA8, SIMA9, SIMA10, SIMA11, SIMA12, SIMA13, SIMA14, SIMA15, SIMA16, SIMA17, SIMA18, SIMA19, SIMA20.

IDC 07 12:49:22.8, 1.2, 31°18'S, 177°58W, h0km, mb4.4/5, mb1 4.5/9, mb1mx4 1/51, mbtmp4 4/9, ML4.24, MS3.1/1, Ms1 3.1/1, ms1mx2 7/48, Error ellipse: s-maj=30,6km s-min=19,8km az=119.0
ISCJB 07 12:49:24.7, 0.6, 31°18'S, 0°05:17:78W, 0°1, h18km, mb4.7/12, Error ellipse: s-maj=13.5km s-min=5.5km az=17.5

NEIC 07 12:49:24.8, 0.6, 31°18'S, 177°58W, h10km, mb4.7/9, Error ellipse: s-maj=15.4km s-min=7.9km az=112.0
ISC 07 12:49:26.1, 0.7, 31°17'S, 0°06:17:79W, 0°1, h18km, n47, c208/52, mb4.6/11, 1C-1D, Kermaed Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RAO, RAO2, RAO3, RAO4, RAO5, RAO6, RAO7, RAO8, RAO9, RAO10, RAO11, RAO12, RAO13, RAO14, RAO15, RAO16, RAO17, RAO18, RAO19, RAO20.

Table with columns: CTA, 1.6nm, 0.3s, baz=268, slow=7.1, SNR=4.0, 34.17 281 P, 12 56 12.5 +2.1, etc. Includes stations like CTA, CTA2, CTA3, CTA4, CTA5, CTA6, CTA7, CTA8, CTA9, CTA10, CTA11, CTA12, CTA13, CTA14, CTA15, CTA16, CTA17, CTA18, CTA19, CTA20.

ISK 07 12:53:55.6, 39°11'N, 29°07'E, h6km, Md2.7
DDA 07 12:53:56.0, 39°11'N, 29°08'E, h7km, MI3.0
ISCJB 07 12:53:56.0, 0.3, 39°12'N, 0°02:29:09E, 0°03, h1km, 4km, Error ellipse: s-maj=3.8km s-min=3.4km az=140.5
CSEM 07 12:53:56.2, 0.1, 39°10'N, 29°09'E, h5km, Md2.7, Error ellipse: s-maj=2.0km s-min=1.9km az=129.0
ISC 07 12:53:56.3, 0.9, 39°12'N, 0°02:29:07E, 0°02, h8km, 7km, n49, c051174, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SIMA, SIMA2, SIMA3, SIMA4, SIMA5, SIMA6, SIMA7, SIMA8, SIMA9, SIMA10, SIMA11, SIMA12, SIMA13, SIMA14, SIMA15, SIMA16, SIMA17, SIMA18, SIMA19, SIMA20.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SIMA, SIMA2, SIMA3, SIMA4, SIMA5, SIMA6, SIMA7, SIMA8, SIMA9, SIMA10, SIMA11, SIMA12, SIMA13, SIMA14, SIMA15, SIMA16, SIMA17, SIMA18, SIMA19, SIMA20.

ISC 07 13:00:00, 38°00'N, 144°10'E, h5km, Mw4.1, Best double couple: M=1.55000x10^15, NPE=29.00000, B=23.00000, z=113.00000. NP2=234.00000, 669.00000, -1.000000.
IDC 07 13:00:00, 39°03'N, 8.0, 6.3, 37°82'N, 144°25'E, h0km, mb4 1/20, mb1 4.2/26, mb1mx4 1/81, mbtmp4 1/26, ML3.9/4, MS2.7/3, Ms1 2.7/3, ms1mx2 5/76, Error ellipse: s-maj=15.5km s-min=12.2km az=116.0
ISCJB 07 13:00:01.4, 7.1, 37°91'N, 0°03:14:13E, 0°04, h2km, 10km, mb4 1/22, MS4.6/1, Error ellipse: s-maj=5.5km s-min=2.5km az=138.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GEMT, GEMT2, GEMT3, GEMT4, GEMT5, GEMT6, GEMT7, GEMT8, GEMT9, GEMT10, GEMT11, GEMT12, GEMT13, GEMT14, GEMT15, GEMT16, GEMT17, GEMT18, GEMT19, GEMT20.

NEIC 07 13:00:01.4, 2.0, 37°84'N, 144°29'E, h10km, mb4.5/2, Error ellipse: s-maj=7.8km s-min=5.6km az=122.0
JMA 07 13:00:43.7, 0.2, 37°97'N, 144°07'E, h4km, M4.5
ISC 07 13:00:43.8, 3.5, 37°95'N, 0°05:14:18E, 0°07, h26km, 25km, n62, c219/77, mb4.2/22, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GEMT, GEMT2, GEMT3, GEMT4, GEMT5, GEMT6, GEMT7, GEMT8, GEMT9, GEMT10, GEMT11, GEMT12, GEMT13, GEMT14, GEMT15, GEMT16, GEMT17, GEMT18, GEMT19, GEMT20.



Table with columns: OFUJ, OFUJ, Oufunato, 2.27 301, P, Pn, 13 01 18.7 -0.9, etc.

Table with columns: WEL 07:13:17:58.9-0.5, 36.775x176.71E, h200km, ML3.8/21, etc.

Table with columns: TWGZ, RWZ, PUK, Ruaketihi, 1.79 137, AML, AML, 13 09 08.9, etc.

CSEM 07 13:21:16.8:0.6, 68.68N:43.26E, h10km, MD2.5, Error ellipse: s-maj=16.9km s-min=12.4km az=42.0

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

DDA 07 13:34:08.2, 38.72N:43.55E, h7km, MI3.2, Turkey

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

AZER 07 13:34:32.5:0.4, 37.89N:43.18E, h45km, 120km, Error ellipse: s-maj=35.1km s-min=24.9km az=41.0

CSEM 07 13:34:37.8:0.7, 38.75N:43.55E, h5km, ML3.9, Error ellipse: s-maj=5.7km s-min=4.1km az=106.0

DDA 07 13:35:21.4, 38.72N:43.64E, h5km, MI3.9

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

Table with columns: BASK, DYDN, Diyadin, 0.81 9, i, S, Sb, 13 35 06.4 -0.1, etc.

BUI 07 13:56:20.5, 14.71S:167.42E, h112km, mb4.6/33, mB4.9/24

NEIC 07 13:56:22.5:0.3, 15.01S:167.39E, mb4.8/17, Error ellipse: s-maj=9.1km s-min=7.6km az=67.0

IDC 07 13:56:22.3:0.9, 15.05S:167.46E, h131km, 7km, mb4.2/16, mb1.4/3/18, mb1mx1.1/38, mbtmp4.6/18, MS3.4/2, Ms1.3/4/2, ms1mx2.8/23, Error ellipse: s-maj=13.8km s-min=11.0km az=72.0

ISCJB 07 13:56:23.0:3.0, 15.15S:0.0:167.37E:0.05, h150km, mb4.7/4, Error ellipse: s-maj=6.9km s-min=5.3km

ISC 07 13:56:24.7:0.4, 15.16S:0.06:167.38E:0.08, h150km, n80, c1869.92, mb4.7/42, LC, Vanuatu Islands

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



7d 14h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like IPOC Station P, Minye Minye, Antofagasta, etc.

JMA 07 14:34:30.3±0.2, 24°82'N; 121°96'E, h90km±3km, M2.9
ISCJB 07 14:34:31.5±0.5, 24°85'N; 03°122.02'E±0.02, h84km±4km,
Error ellipse: s-maj=4.7km s-min=2.5km az=159.2

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Santiao Chiao, Ilan, Suao, etc.

2011 NOV

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like NSK, NNS, NCU, PCYT, etc.

400

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

ISK 07 14:37:01.4, 38°59'N; 43°71'E, h24km, ML2.3
ISCJB 07 14:37:02.9±1.4, 38°69'N; 06°43'57E±0.09, h26km±9km,
Error ellipse: s-maj=13.6km s-min=7.6km az=30.7

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

NIED 07 14:37:00.38±0.30N; 144°60'E, h5km, Mw3.7 Best double
couple: M3.54000°1014 NP1±27.00000°, 824.00000°,
λ=80.00000°; NP2±196.00000°, 867.00000°,
λ=94.00000°

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

ISCJB 07 14:37:13.1±0.1, 38°30'N; 144°57E, h47km, M3.8
JMA 07 14:37:12.2±1.4, 38°32'N; 06°144.74E±0.09, h29km, n26,
±27.0040, Off east coast of Honshu

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

IDC 07 14:38:52.0±4.4, 3°10'S; 148°73E, h0km, mb3.3/2,
mb1.3/7.2, mb1mx3.2/29, mbtmp3.4/2, Error ellipse:
s-maj=168.6km s-min=48.0km az=107.0, Bismarck Sea

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

NIED 07 14:41:00.36±0.90N; 139°40'E, h5km, Mw4.4 Best double
couple: M4.17000x1015 NP1±251.00000°, 854.00000°,
λ=158.00000°; NP2±355.00000°, 872.00000°, λ=38.90000°



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Miyakonagasawa, Ouri, Ichinoseki, Ohasama, Nango, Otama, Matsushiro Arr, Kunming, Asahikawa, Hachijo jima 2, etc.

ISCJB 07 15:27:29.1-1.7, 36.93S-0.05:73.64W-0.09, h9km, 8km, mb3.4/2, Error ellipse: s-maj=12.2km s-min=7.3km

IDC 07 15:07:29.2-1.9, 36.84S:73.79W, h0km, mb3.4/2, mb1.8/3, mb1mx3.6/19, mbmtmp3.5/3, ML3.5/1, MS3.3/2, Ms1.3/2, ms1mx2.9/12, Error ellipse: s-maj=81.5km s-min=21.1km az=64.0

ISC 07 15:07:30.5-0.7, 36.94S:73.60W, h9km, 3km, ML3.9

GUC 07 15:07:30.7-2.4, 36.90S-0.06:73.6W-0.11, h14km, 12km, n9, c075/13, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like San Pedro de C, Cobquecura, Chillan, Temuco, Hualae, Paso Flores, Villa Florida, La Paz, Lajitas Array, etc.

ISCJB 07 15:15:53.1-0.6, 36.94N-0.03:33.92E-0.04, h10km, 6km, Error ellipse: s-maj=6.6km s-min=4.7km az=40.3

CSEM 07 15:15:53.4-0.2, 36.94N:33.91E, h10km, ML3.0, Error ellipse: s-maj=4.2km s-min=2.5km az=133.0

DDA 07 15:15:53.6, 36.94N:33.99E, h7km, ML3.0

ISK 07 15:15:53.0, 36.93N:33.91E, h10km, ML2.2

ISC 07 15:15:52.8-1.1, 36.97N:0.03:33.94E-0.03, h9km, 10km, n31, c152/42, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Konya-Eregli, Mersin, Keben-Mersin, Silifke-Mersin, Teve, DED, Gulek, Isikli, Bereket-Mersin, Akku, ERMK, ERMK, TEKE, YUREGIR, CEYT, KOZT, etc.

ISCJB 07 15:17:22.6-0.8, 25.55N-0.08:105.72E-0.06, h10km, mb3.6/7, Error ellipse: s-maj=13.1km s-min=4.9km az=152.7

IDC 07 15:17:23.5-1.0, 25.68N:106.05E, h0km, mb3.7/7,

mb1.3/7.8, mb1mx3.5/32, mbmtmp3.6/8, ML3.2/1, Error ellipse: s-maj=27.6km s-min=17.4km az=74.0

BUJ 07 15:17:24.2, 25.48N:105.73E, h8km, ML3.7/11

ISC 07 15:17:24.6-1.0, 25.55N-0.1:105.75E-0.07, h10km, n12, c123/15, mb3.4/7, 1C, Southeastern China

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Guiyang, Kunming, Matanchi Array, Zalesovo Beam, GEYT, WRA, ASAR, FINES, etc.

ISK 07 15:21:12.6, 38.60N:43.53E, h27km, MD2.5

ISCJB 07 15:21:14.7, 0.4, 38.74N:0.03:43.36E-0.06, h12km, 6km, Error ellipse: s-maj=7.8km s-min=3.8km az=21.3

CSEM 07 15:21:14.0-0.2, 38.74N:43.34E, h10km, ML2.9, Error ellipse: s-maj=5.9km s-min=4.2km az=111.0

DDA 07 15:21:14.3, 38.74N:43.32E, h7km, ML2.9

ISC 07 15:21:14.5-0.8, 38.73N:0.02:43.34E-0.03, h15km, 6km, n24, c102/44, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Van, Muradiye, Caldiran, Tutak, Hanur-Agry, HAKKARI, etc.

ISK 07 15:23:26.5, 38.64N:43.38E, h27km, MD2.8

CSEM 07 15:23:27.8-0.3, 38.71N:0.03:43.36E-0.06, h20km, MD2.8, Error ellipse: s-maj=8.1km s-min=5.4km az=110.0

ISCJB 07 15:23:28.0-0.7, 38.70N:0.03:43.40E-0.06, h22km, 7km, Error ellipse: s-maj=7.7km s-min=4.5km az=18.7

DDA 07 15:23:28.1, 38.73N:43.33E, h7km, ML2.9

ISC 07 15:23:28.0-0.9, 38.73N:0.03:43.45E-0.04, h24km, 6km, n24, c143/43, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Van, Muradiye, Caldiran, Tutak, Hanur-Agry, HAKKARI, etc.

SRTM Siirt\_Merkez 1.41 239 P Sb 15 24 14.0 +0.2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DDA 07 15:26:20.4, 38.56N-43.33E, h23km, MD2.1, Turkey

CSEM 07 15:37:58.9, 38.75N-43.22E, h7km, ML2.6

DDA 07 15:37:58.9, 38.75N:43.22E, h7km, ML2.6, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Van, Muradiye, Gevas, Tutak, etc.

IDC 07 15:38:59.5-3.5, 17.62S:175.79W, h0km, mb4.1/3, mb1.4/2.4, mb1mx3.8/26, mbmtmp3.1/4, ML4.1/1, Error ellipse: s-maj=190.5km s-min=31.5km az=146.0, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AFI, STKA, WRA, ASAR, etc.

DDA 07 15:42:42.8, 38.90N:43.55E, h4km, ML2.8

ISK 07 15:42:42.4, 38.95N:43.59E, h5km, ML2.3

ISCJB 07 15:42:43.7-0.6, 38.95N:0.03:43.59E-0.06, h11km, 4km, Error ellipse: s-maj=7.8km s-min=5.3km az=177.9

CSEM 07 15:42:43.1-0.3, 38.95N:43.58E, h10km, ML2.8, Error ellipse: s-maj=6.6km s-min=5.4km az=90.0

ISC 07 15:42:43.3-0.9, 38.96N:0.03:43.58E-0.03, h8km, 5km, n18, c150/33, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Van-Muradiye, Caldiran, Van, Hanur-Agry, HAKKARI, etc.

IDC 07 15:43:28.4-748.0, 53.20N:2.59E, h0km, Error ellipse: s-maj=391.0km s-min=161.3km az=109.0, North Sea

I26DE FREYUNG INFRAS 8.25 117 i 16 35 50.0

I43RU DUBNA INFRAS02.06 66 i 17 48 10.0

I31KZ AKTYUBINSK INF 33.68 72 i 19 11 00.0

MAN 07 15:47:04, 13.09N:120.80E, h25km, mb4.0, ML2.8, MS2.4, 1C, Mindoro

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Puerto Galera, San Jose, Lubang, Tagaytay City, Boac, Coron, Odiongan, El Nido, etc.

IDC 07 15:51:27.9-587.0, 53.33N:1.59E, h0km, Error ellipse: s-maj=326.9km s-min=170.6km az=108.0, North Sea

I26DE FREYUNG INFRAS 8.85 116 i 16 45 30.0

I43RU DUBNA INFRAS02.05 66 i 17 57 40.0

I31KZ AKTYUBINSK INF 34.21 72 i 19 23 20.0

DDA 07 15:53:32.7, 38.70N:43.59E, h7km, ML3.3

CSEM 07 15:53:32.7, 38.70N:43.59E, h7km, ML3.3

ISCJB 07 15:53:33.1-0.6, 38.70N:0.03:43.64E-0.05, h12km, 5km, Error ellipse: s-maj=6.9km s-min=4.9km az=10.8

ISC 07 15:53:40.5-1.1, 38.54N:43.68E, h0km, ML4.7

Table with columns: Station Name, Az, El, P, S, and various frequency/ID codes. Includes stations like VMUR Van-Muradiye, TVAN Van, CLDR Caldiran, etc.

AZER 07 15:53:46.5, 0.2, 38°08'N, 43°43'E, h5km, 4km, Error ellipse: s-maj=5.1km s-min=1.2km az=59.0

BJJ 07 15:53:51.2, 38°50'N, 43°30'E, h10km, mb4.7, 7.07, mB4.9/16, Ms4.4/7, Ms7.4/3.6

IDC 07 15:53:51.3, 38°69'N, 43°54'E, h0km, mb4.2/24, mb1.4/3/30, mb1mx4.2/46, mbtmp4.2/30, ML3.6/6, MS3.8/28, Mb1.3/8/28, ms1mx3.7/44, Error ellipse: s-maj=9.2km s-min=7.6km az=164.0

ISK 07 15:53:51.3, 38°68'N, 43°66'E, h6km, ML4.7, ISCJB 07 15:53:51.8, 0.4, 38°63'N, 02°43'62E, 0.02, h10km, 2km, mb4.5/71, MS3.8/23, Error ellipse: s-maj=2.7km s-min=2.0km az=161.9

NEIC 07 15:53:51.3, 38°69'N, 43°63'E, h4km, mb4.8/29, ML4.5/DDA, ML4.7/ISK, After ISK MOS 07 15:53:52.3, 1.6, 38°66'N, 43°69'E, h13km, mb4.7/37, Error ellipse: s-maj=4.8km s-min=3.6km az=99.6

CSEM 07 15:53:52.0, 0.1, 38°66'N, 43°63'E, h5km, mb4.8/32, Error ellipse: s-maj=3.5km s-min=2.7km az=165.0 DSN 07 15:53:53.8, 0.9, 38°60'N, 43°49'E, h15km, mb4.7/2, Error ellipse: s-maj=19.6km s-min=8.1km az=69.0

NSSC 07 15:53:56.1, 1.7, 39°54'N, 42°38'E, h38km, 999km, ML3.6 DDA 07 15:54:48.4, 38°66'N, 43°63'E, h4km, ML4.8

ISC 07 15:53:52.8, 0.8, 38°67'N, 01°43'61E, 0.01, h9km, 5km, n577, az=01/655, mb4.6/75, MS3.9/24, 80C-43D, Turkey

Main station list table with columns: Code, Station Name, Az, El, P, S, and various frequency/ID codes. Includes stations like VANB Van, CLDR Caldiran, GEVA Gevas, etc.

Main station list table with columns: Station Name, Az, El, P, S, and various frequency/ID codes. Includes stations like GNI Garni, DIGO Digo, KARS Kars, etc.

Main station list table with columns: Station Name, Az, El, P, S, and various frequency/ID codes. Includes stations like XNQ Khinaliq, XNQ Khinaliq, ALIB & Aumi, etc.

7d 15h

Table with columns: MLR, Muntele Rosu, 14.77 303 Pn, Pn, 15 57 24.1 +2.2, etc.

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Table with columns: OJC, Ojcow, 20.45 312 eP, P, 15 58 31.0 +0.5, etc.

404

Table with columns: GERES, GERESS Array B, 23.74 305 P, P, 15 59 05.5 +0.2, etc.





Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like GNI, DIGO, Kars, Varto-Mus, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like GOBA, GOBU, Khabaz, NDR, etc.

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



7d 16h

MSLI	comp=Z,3um,18.0s	Meulaboh, Aceh	86.96 286	P		17 04 20.9	+10
HPAH	comp=Z,3um,20.0s	Hawaii Prepara	86.98 31	PFAKE	LR	17 04 20.0	+9.2
H08S2	comp=Z,3um,20.0s	Diego Garcia H	87.11 259	T	T	18 40 52.0	
H08S1	baz=153,slow=76,SNR=281	Diego Garcia H	87.11 259	T	T	18 40 52.7	
H08S3	baz=153,slow=76,SNR=172	Diego Garcia H	87.13 259	T	T	18 40 53.5	
ABPO	comp=Z,47nm,1.4s	Ambohimpalom	87.14 232	eP	P	17 04 13.6	+1.6
ABPO	comp=Z,2um,18.0s	Ambohimpalom	87.14 232	eP	P	17 04 13.6	+1.6
ABPO	comp=Z,47nm,1.4s	Ambohimpalom	87.14 232	eP	P	17 04 13.6	+1.6
DGAR	comp=Z,2um,18.0s	Diego Garcia	87.33 259	PFAKE	LR	17 04 20.0	+7.3
DGAR	comp=Z,2um,20.0s	Lhok Sumawe	87.58 286	PFAKE	LR	17 04 20.0	+6.2
LHMI	comp=Z,2um,19.0s	Lobatsse	87.92 211	eP	P	17 04 16.1	+0.5
LHMI	comp=Z,23nm,1.4s	Lobatsse	87.92 211	eP	P	17 04 16.1	+0.5
LBTB	comp=Z,1um,18.0s	La Paz	88.50 124	P	P	17 04 17.5	-1.5
LBTB	comp=Z,23nm,1.0s	La Paz	88.50 124	P	P	17 04 17.5	-1.5
SPB	comp=Z,1um,18.0s	La Paz	88.50 124	P	P	17 04 17.5	-1.5
SPB	comp=Z,23nm,1.0s	La Paz	88.50 124	P	P	17 04 17.5	-1.5
LPAZ	comp=Z,1um,21.6s	La Paz	88.50 124	P	P	17 04 17.2	-1.9
LPAZ	comp=Z,2um,18.0s	La Paz	88.50 124	eP	P	17 04 17.2	-1.9
LPAZ	comp=Z,65nm,1.3s	La Paz	88.50 124	eP	P	17 04 17.2	-1.9
NNA	comp=Z,3um,20.0s	Qiongzong	94.77 304	P	P	17 04 43.9	-3.2
QIZ	comp=Z,890nm,17.6s	Qiongzong	94.77 304	P	P	17 04 43.9	-3.2
QIZ	comp=Z,950nm,25.9s	Qiongzong	94.77 304	P	P	17 04 43.9	-3.2
BDFB	comp=Z,1um,19.9s	Brasilia	95.70 142	LR	LR	17 45 13.1	
YHNB	comp=Z,2um,21.0s	Yeheng	95.97 316	PFAKE	LR	17 05 00.0	+7.4
YHNB	comp=Z,2um,21.0s	Yeheng	95.97 316	PFAKE	LR	17 05 00.0	+7.4
PALK	comp=Z,2um,19.0s	Pallekele	96.63 273	PFAKE	LR	17 05 10.0	+1.4
PALK	comp=Z,2um,19.0s	Pallekele	96.63 273	PFAKE	LR	17 05 10.0	+1.4
MSEY	comp=Z,900nm,18.0s	Mihae Island	97.07 245	PFAKE	LR	17 05 10.0	+1.2
MSEY	comp=Z,13nm,1.3s	Mihae Island	97.07 245	PFAKE	LR	17 05 10.0	+1.2
SAML	comp=Z,500nm,18.0s	Samuel	97.08 126	eP	P	17 04 55.3	-2.6
SAML	comp=Z,13nm,1.3s	Samuel	97.08 126	eP	P	17 04 55.3	-2.6
CM01	comp=Z,0.9nm,1.0s	Chiang Mai Arr	98.54 294	eP	P	17 05 02.8	-1.4
CMAR	baz=183,slow=5.0,SNR=5.1	Chiang Mai Arr	98.54 294	eP	P	17 05 04.1	-0.4
CMAR	comp=Z,828nm,19.9s	Chiang Mai	98.89 294	PFAKE	LR	17 05 03.2	
CHTO	comp=Z,1um,22.0s	Chiang Mai	98.89 294	PFAKE	LR	17 05 20.0	+1.4
CHTO	comp=Z,2um,21.0s	Otavalo	99.30 108	PFAKE	LR	17 05 20.0	+1.2
OTAV	comp=Z,2um,21.0s	Otavalo	99.30 108	PFAKE	LR	17 05 20.0	+1.2
TUMC	comp=Z,2um,18.0s	Tumaco	100.61 107	PFAKE	LR	17 05 30.0	+1.6
TUMC	comp=Z,2um,18.0s	Tumaco	100.61 107	PFAKE	LR	17 05 30.0	+1.6
H06S1	comp=Z,2um,18.0s	SOCORRO T	101.23 71	T	T	18 58 20.5	
H06S1	SNR=6	SOCORRO T	101.23 71	T	T	18 58 20.5	
H06S1	SNR=84	SOCORRO T-PHABD	101.95 332	PFAKE	LR	17 05 30.0	+1.1
INU	comp=Z,800nm,22.0s	Inuyama	101.95 332	PFAKE	LR	17 05 30.0	+1.1
YGA	comp=Z,30nm,1.0s	Guiyang	102.72 304	P	P	17 05 25.0	+2.2
YGA	comp=Z,160nm,6.4s	Guiyang	102.72 304	P	P	17 05 25.0	+2.2
YGA	comp=Z,440nm,20.4s	Guiyang	102.72 304	P	P	17 05 25.0	+2.2
YGA	comp=Z,310nm,21.2s	Guiyang	102.72 304	P	P	17 05 25.0	+2.2
KMI	comp=Z,420nm,20.5s	Kunming	103.02 300	P	P	17 05 26.2	+1.9
KMI	comp=Z,3.0nm,0.5s	Kunming	103.02 300	P	P	17 05 26.2	+1.9
KMI	comp=Z,130nm,5.2s	Kunming	103.02 300	P	P	17 05 26.2	+1.9
KMI	comp=Z,980nm,21.4s	Kunming	103.02 300	P	P	17 05 26.2	+1.9
KMI	comp=Z,490nm,21.4s	Kunming	103.02 300	P	P	17 05 26.2	+1.9
KMI	comp=Z,1um,20.6s	Kunming	103.02 300	P	P	17 05 26.2	+1.9
PRAC	comp=Z,2um,18.0s	Prado	103.95 110	PFAKE	LR	17 05 40.0	+1.1
HDC	comp=Z,3um,19.0s	Heredia	105.51 99	PFAKE	LR	17 10 00.0	
TLIG	comp=Z,2um,19.0s	Tiapa	105.65 82	PFAKE	LR	17 10 00.0	
PTGA	comp=Z,1um,21.0s	Pitinga	105.84 126	PFAKE	LR	17 10 00.0	
PTGA	comp=Z,1um,21.0s	Pitinga	105.84 126	PFAKE	LR	17 10 00.0	
HELIC	comp=Z,2um,22.0s	Morelia	106.33 79	PFAKE	LR	17 10 00.0	
MOIG	comp=Z,1um,19.0s	Serv Nac Est T	106.46 92	PFAKE	LR	17 10 00.0	
SNET	comp=Z,1um,18.0s	Isla Barro Col	106.67 103	PFAKE	LR	17 10 00.0	
BCIP	comp=Z,3um,22.0s	Universidad Na	106.92 81	PFAKE	LR	17 10 00.0	
UNM	comp=Z,2um,20.0s	Erimo	107.25 339	PFAKE	LR	17 10 00.0	
ERM	comp=Z,2um,20.0s	Erimo	107.25 339	PFAKE	LR	17 10 00.0	
CCIG	comp=Z,2um,22.0s	Comitan	107.42 88	PFAKE	LR	17 10 00.0	
CCIG	comp=Z,1um,22.0s	Teguigalpa,Un	107.67 94	PFAKE	LR	17 10 00.0	
TGUH	comp=Z,1um,22.0s	Chengdu	107.82 304	Pdif	Pdif	17 05 46.0	+0.7
CD2	comp=Z,940nm,20.8s	Chengdu	107.82 304	Pdif	Pdif	17 17 54.0	+4.0
CD2	comp=Z,2um,18.0s	Chengdu	107.82 304	Pdif	Pdif	17 25 30.2	+4.1
CD2	comp=Z,2um,18.0s	Chengdu	107.82 304	Pdif	Pdif	17 25 30.2	+4.1
TUIG	comp=Z,2um,18.0s	Tuzandem	107.93 86	PFAKE	LR	17 10 10.0	
TUIG	comp=Z,2um,18.0s	Tuzandem	107.93 86	PFAKE	LR	17 10 10.0	
RCBR	comp=Z,2um,18.0s	Riachuelo	108.14 152	PFAKE	LR	17 10 10.0	
RCBR	comp=Z,2um,18.0s	Riachuelo	108.14 152	PFAKE	LR	17 10 10.0	

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SRIG	comp=Z,2um,21.0s	Santa Rosalia	108.30 66	PFAKE	LR	17 10 10.0	
SRIG	comp=Z,2um,20.0s	Zacatecas	108.43 76	PFAKE	LR	17 10 10.0	
ZAIG	comp=Z,2um,19.0s	Laguna Verde	108.50 83	PFAKE	LR	17 10 10.0	
LVIG	comp=Z,1um,21.0s	Xi'an	108.75 309	Pdif	Pdif	17 05 50.2	+0.8
LVIG	comp=Z,260nm,24.0s	Xi'an	108.75 309	Pdif	Pdif	17 18 01.1	+3.5
XAN	comp=Z,440nm,23.3s	Xi'an	108.75 309	Pdif	Pdif	17 25 34.1	-4.6
XAN	comp=Z,1um,20.4s	Dalian	109.17 321	ePdif	Pdif	17 05 45.1	-5.9
DL2	comp=Z,230nm,4.9s	Dalian	109.17 321	SS	SS	17 10 22.3	-1.8
DL2	comp=N,630nm,22.4s	Dalian	109.17 321	SS	SS	17 25 44.3	+0.3
DL2	comp=E,590nm,20.4s	Dalian	109.17 321	SS	SS	17 25 44.3	+0.3
DL2	comp=Z,740nm,23.0s	Dalian	109.17 321	SS	SS	17 25 44.3	+0.3
MBAR	comp=Z,500nm,20.0s	Mbarara	109.84 223	PFAKE	LR	17 10 10.0	
MBAR	comp=Z,1um,18.0s	Mbarara	109.84 223	PFAKE	LR	17 10 10.0	
SCIG	comp=Z,1um,18.0s	Sabancuy	110.20 88	PFAKE	LR	17 10 10.0	
SCIG	comp=Z,1um,18.0s	Sabancuy	110.20 88	PFAKE	LR	17 10 10.0	
HPIG	comp=Z,2um,18.0s	Linares	111.66 78	PFAKE	LR	17 10 10.0	
HPIG	comp=Z,1um,19.0s	Linares	111.66 78	PFAKE	LR	17 10 10.0	
BJI	comp=Z,330nm,5.5s	Beijing	111.82 317	SS	SS	17 26 23.0	+3.4
BJI	comp=N,620nm,22.4s	Beijing	111.82 317	SS	SS	17 26 23.0	+3.4
BJI	comp=E,510nm,21.5s	Beijing	111.82 317	SS	SS	17 26 23.0	+3.4
YSS	comp=Z,1um,24.1s	Yuzh-Sakhalins	112.13 339	PFAKE	LR	17 10 10.0	
YSS	comp=Z,800nm,22.0s	Yuzh-Sakhalins	112.13 339	PFAKE	LR	17 10 10.0	
PFO	comp=Z,2um,20.0s	Pinyon Flats O	112.16 59	PFAKE	LR	17 10 10.0	
PFO	comp=Z,2um,20.0s	Pinyon Flats O	112.16 59	PFAKE	LR	17 10 10.0	
XPFO	comp=Z,2um,20.0s	Pison Flat	112.16 59	PFAKE	LR	17 10 10.0	
XPFO	comp=Z,2um,20.0s	Pison Flat	112.16 59	PFAKE	LR	17 10 10.0	
GLA	comp=Z,1um,18.0s	Glamis	112.30 61	PFAKE	LR	17 10 10.0	
GLA	comp=Z,1um,18.0s	Glamis	112.30 61	PFAKE	LR	17 10 10.0	
LZH	comp=Z,1um,20.2s	Lanzhou	112.41 306	ePKP	PKIKP	17 10 00.4	-0.9
LZH	comp=Z,1um,20.2s	Lanzhou	112.41 306	ePKP	PKIKP	17 10 00.4	-0.9
LZH	comp=Z,1um,20.2s	Lanzhou	112.41 306	ePKP	PKIKP	17 10 52.5	+4.7
LZH	comp=Z,1um,20.2s	Lanzhou	112.41 306	ePKP	PKIKP	17 17 14.2	+1.1
LZH	comp=Z,1um,20.2s	Lanzhou	112.41 306	ePKP	PKIKP	17 17 43.1	+6.2
LZH	comp=Z,180nm,7.6s	Lanzhou	112.41 306	ePKP	PKIKP	17 26 28.0	+0.1
LZH	comp=Z,570nm,17.3s	Lanzhou	112.41 306	ePKP	PKIKP	17 26 28.0	+0.1
LZH	comp=Z,860nm,17.4s	Lanzhou	112.41 306	ePKP	PKIKP	17 26 28.0	+0.1
113A	comp=Z,2um,19.0s	Mohawk Valley	112.47 62	PFAKE	LR	17 10 10.0	
113A	comp=Z,2um,19.0s	Mohawk Valley	112.47 62	PFAKE	LR	17 10 10.0	
PMPB	comp=Z,2um,20.0s	Monarch Peak	112.82 54	PFAKE	LR	17 10 10.0	
PMPB	comp=Z,2um,20.0s	Monarch Peak	112.82 54	PFAKE	LR	17 10 10.0	
Y12C	comp=Z,2um,18.0s	Blythe	113.04 61	PFAKE	LR	17 10 10.0	
Y12C	comp=Z,2um,18.0s	Blythe	113.04 61	PFAKE	LR	17 10 10.0	
ISA	comp=Z,1um,20.0s	Isabella, Lake	113.19 57	PFAKE	LR	17 10 10.0	
ISA	comp=Z,1um,20.0s	Isabella, Lake	113.19 57	PFAKE	LR	17 10 10.0	
TUC	comp=Z,2um,19.0s	Tucson	113.28 64	PFAKE	LR	17 10 20.0	
TUC	comp=Z,2um,19.0s	Tucson	113.28 64	PFAKE	LR	17 10 20.0	
MCCM	comp=Z,2um,19.0s	Marconi Confer	113.78 52	PFAKE	LR	17 10 20.0	
MCCM	comp=Z,2um,19.0s	Marconi Confer	113.78 52	PFAKE	LR	17 10 20.0	
Y14A	comp=Z,6um,19.0s	Wickenburg	113.80 62	PFAKE	LR	17 10 20.0	
Y14A	comp=Z,6um,19.0s	Wickenburg	113.80 62	PFAKE	LR	17 10 20.0	
LDFC	comp=Z,1um,18.0s	Landfair	113.97 60	PFAKE	LR	17 10 20.0	
LDFC	comp=Z,1um,18.0s	Landfair	113.97 60	PFAKE	LR	17 10 20.0	
HHC	comp=Z,2um,20.0s	Hu-ho-hao-te	114.02 314	ePKP	PKIKP	17 10 03.2	-0.9
HHC	comp=Z,2um,20.0s	Hu-ho-hao-te	114.02 314	ePKP	PKIKP	17 10 03.2	-0.9
GDXM	comp=Z,2um,20.0s	Geysers	114.40 52	P			







Table with columns: EVR, comp=N, 155µm, 0.5s, AML, AML, 17 59 36.6, Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h m s ISC. Lists various astronomical observations with coordinates and identifiers.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h m s ISC. Lists astronomical observations with coordinates and identifiers.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h m s ISC. Lists astronomical observations with coordinates and identifiers.

CSEM 07 18:15:20.0, 38.71N, 144.63E, h5km, ML3.1, Error ellipse: s-maj=5.3km s-min=3.5km az=103.0

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC. Lists astronomical observations with coordinates and identifiers.

ISC/JB 07 18:23:02.0, 4.0, 62.97S, 0.06, 170.8E, 0.3, h10km, mb4.5/18, MS4.3/12, Error ellipse: s-maj=17.4km

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h m s ISC. Lists astronomical observations with coordinates and identifiers.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h m s ISC. Lists astronomical observations with coordinates and identifiers.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h m s ISC. Lists astronomical observations with coordinates and identifiers.

NIED 07 18:19:00, 38.30N, 144.60E, h8km, Mw4.0 Best double couple: M1.06000, 1.015, NP1=22.00000, 827.00000, A=82.00000, NP2=193.00000, 363.00000, A=94.00000

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC. Lists astronomical observations with coordinates and identifiers.

ISC/JB 07 18:23:03.0, 6.0, 62.79S, 171.18E, h12km, Mw5.1/63, Moment Tensor Solution. s22,c26; s63,c81; Duration: 0 Moment tensor: Scale 10^19Nm; Mrr=4.65E-14; Mth=2.44E-14; Mtt=2.21E-16; Mtt=1.52E-16; Mtt=0.92E-16; Mtt=4.48E-14; Best double couple: M5.81200x10^16





7d 19h

Table with columns: SRMT, Siirt\_Merkez, 1.58 235, i P, Pb, 18 38 12.5 -0.8, MK32 Makanchi Array, 41.96 312, e P, 18 58 57.6 -0.6, LUWI Luwuk, 7.60 297, P, Pn, 19 19 36.7 -0.8

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Table with columns: MK32 Makanchi Array, 41.96 312, e P, 18 58 57.6 -0.6, LUWI Luwuk, 7.60 297, P, Pn, 19 19 36.7 -0.8

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Table with columns: LUWI Luwuk, 7.60 297, P, Pn, 19 19 36.7 -0.8, Code Station Name, Az, Az2, Phase ID, Time Res, ISC

NIED 07 18:51:00.26,00N:128:60E,h14km,Mw4.2, Best double couple: M2.290000,1015 NP1.2214,000000,641,000000,1.79,000000, NP2.248,000000,550,000000,1.99,000000,0.00

ISCJ 07 18:51:06.20,0.8,26:07N:128:54E,h0km,mb4.1/1.8, mb1 4.2/1.9,mb1mx4.0/4.4,mbtmp4.1/1.9,ML2.9/1,Error ellipse: s-maj=23.8km s-min=16.6km az=77.0

ISCJ 07 18:51:08.5,1.0,25:36N:128:54E,0.0,4,h31km,6km, mb4.1/2.8,Error ellipse: s-maj=7.2km s-min=3.5km az=135.2

NEIC 07 18:51:09.9,2.2,26:05N:128:51E,h24km,16km,mb4.4/9, Error ellipse: s-maj=8.6km s-min=6.1km az=60.0

JMA 07 18:51:09.2,0.3,25:98N:128:57E,h43km,M3.8, ISC 07 18:51:07.9,1.7,25:93N:128:57E,0.04,h16km,10km, n80,c1524/93,mb4.2/2.8,Ryukyu Islands

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

DDA 07 18:52:22.8,38:61N:39:59E,h19km,M3.3, ISK 07 18:52:22.5,38:59N:39:61E,h3km,MD3.1, ISCJ 07 18:52:20.5,38:61N:02:39:61E,0.02,h2km,4km, Error ellipse: s-maj=3.9km s-min=3.1km az=23.9, CSEM 07 18:52:23.5,0.1,38:62N:39:62E,h5km,MD3.1, Error ellipse: s-maj=3.8km s-min=2.8km az=33.0, ISC 07 18:52:23.1,1.0,38:61N:02:39:62E,0.02,h7km,10km, n45,c0817/22,Turkey

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

ISCJ 07 19:18:44.1,0.4,17:93S:174:67W,h0km,mb4.2/9, mb1 4.4/1.0,mb1mx4.1/2.8,mbtmp4.2/1.0,ML3.8/1,MS3.7/10, Ms1 3.7/1.0,ms1mx3.5/3.2,Error ellipse: s-maj=44.1km s-min=19.5km az=140.0, ISCJ 07 19:18:38.4,0.4,18:05S:0.1x174:78W,0.10,h35km, mb4.5/2.3,MS3.8/8,Error ellipse: s-maj=20.0km s-min=9.2km az=145.2, NEIC 07 19:18:39.0,0.4,17:89S:174:75W,h35km,mb4.7/14, Error ellipse: s-maj=18.8km s-min=8.1km az=143.0, ISC 07 19:18:39.7,0.7,17:85S:0.1x174:76W,0.2,h35km,n57,c1364/43,mb4.6/2.3,MS3.8/8,Tonga Islands

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





Table with columns: GEVA, Gevas, 0.51 202, P, Pb, 21 20 21.6 -0.1, etc.

IDC 07 21:20:14.5:10.0,50:34N:114:24W,h0km,mb1 4.0/1, mb1mx3.1/46,mbtmp3.6/1,ML3.2/1,Error ellipse: s-maj=143.5km s-min=60.4km az=44.0,Alberia

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

ISK 07 21:44:16.4,38:57N:43:10E,h5km,MD2.8 CSEM 07 21:44:17.0:0.3,38:51N:43:19E,h15km,MD2.4,Error ellipse: s-maj=8.7km s-min=7.2km az=165.0

ISK 07 21:44:18.0,38:66N:43:15E,h7km,MD2.4

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

MAN 07 21:49:53,11.08N:124.46E,h7km,mb4.1,ML2.9,MS2.6, 2C-1D, Leyte

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

MEX 07 21:51:30.0:0.7,17:30N:96:04W,h130km,7km,MD3.6, Oaxaca

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

IDC 07 22:04:27.0:0.6,7:96S:117:16E,h0km,mb4.4/16, mb1 4.4/17,mb1mx2.5/50,mbttmp4.4/17,ML3.6/11,MS3.6/11,MS1 3.6/11,ms1mx3.6/50,Error ellipse: s-maj=27.5km s-min=12.3km az=63.0

ISC:JB 07 22:04:30.1:0.2,7:93S:0:03:117:36E:0:02,h33km, mb4.5/36,MS3.7/15,Error ellipse: s-maj=4.2km s-min=2.9km az=27.9

DJA 07 22:04:30.2:1.3,8:5:2:11:7E:1,h22km,13km,M4.9/17, mb5.0/6,mb5.3/3,MLV4.9/17,MW(m)B4.7/3

NEIC 07 22:04:31.4:1.8,7:95S:117:34E,h31km,14km,mb4.5/13, Error ellipse: s-maj=8.1km s-min=5.4km az=214.0

ISC 07 22:04:32.6:0.4,8:05S:0:04:117:32E:0:04,h35km,n114, c253/123,mb4.5/36,MS3.5/15,1C-1D,Sumbawa region

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

Table with columns: CGJI, Cibinong, 11.62 276, P, Pn, 22 07 15.9 -0.1, etc.

Table with columns: WRA, Warramunga Arr, 20.29 127, P, P, 22 09 05.2 -0.3, etc.

Table with columns: WRA, Warramunga Arr, 20.29 127, P, P, 22 09 05.2 -0.3, etc.

Table with columns: WRA, Warramunga Arr, 20.29 127, P, P, 22 09 05.2 -0.3, etc.

Table with columns: WRA, Warramunga Arr, 20.29 127, P, P, 22 09 05.2 -0.3, etc.

Table with columns: WRA, Warramunga Arr, 20.29 127, P, P, 22 09 05.2 -0.3, etc.

Table with columns: WRA, Warramunga Arr, 20.29 127, P, P, 22 09 05.2 -0.3, etc.

Table with columns: WRA, Warramunga Arr, 20.29 127, P, P, 22 09 05.2 -0.3, etc.

Table with columns: WRA, Warramunga Arr, 20.29 127, P, P, 22 09 05.2 -0.3, etc.

Table with columns: WRA, Warramunga Arr, 20.29 127, P, P, 22 09 05.2 -0.3, etc.

Table with columns: WRA, Warramunga Arr, 20.29 127, P, P, 22 09 05.2 -0.3, etc.

Table with columns: WRA, Warramunga Arr, 20.29 127, P, P, 22 09 05.2 -0.3, etc.

Table with columns: WRA, Warramunga Arr, 20.29 127, P, P, 22 09 05.2 -0.3, etc.

Table with columns: WRA, Warramunga Arr, 20.29 127, P, P, 22 09 05.2 -0.3, etc.

Table with columns: WRA, Warramunga Arr, 20.29 127, P, P, 22 09 05.2 -0.3, etc.

Table with columns: GTA, comp=Z,70nm,5.6s, pmax, pmax, 22 07 32.9 -0.1, etc.

Table with columns: CN2, Changchun, 52.13 7, eP, P, 22 13 38.6 -0.9, etc.

Table with columns: USRK, Ussuriysk Arr, 53.68 13, P, P, 22 13 50.0 -0.8, etc.

Table with columns: SONM, Songino Array, 56.48 351, P, P, 22 14 09.0 -2.2, etc.

Table with columns: ASAJ, Asahikawa, 56.74 22, P, P, 22 14 14.0 +1.0, etc.

Table with columns: WMQ, Urumqi, 58.19 335, P, P, 22 14 23.7 +0.4, etc.

Table with columns: WMQ, Kurchatov Arr, 58.13 137, P, P, 22 14 26.8 +0.4, etc.

Table with columns: WMQ, Kurchatov Arr, 58.13 137, P, P, 22 14 26.8 +0.4, etc.

Table with columns: WMQ, Kurchatov Arr, 58.13 137, P, P, 22 14 26.8 +0.4, etc.

Table with columns: WMQ, Kurchatov Arr, 58.13 137, P, P, 22 14 26.8 +0.4, etc.

Table with columns: WMQ, Kurchatov Arr, 58.13 137, P, P, 22 14 26.8 +0.4, etc.

Table with columns: WMQ, Kurchatov Arr, 58.13 137, P, P, 22 14 26.8 +0.4, etc.

Table with columns: WMQ, Kurchatov Arr, 58.13 137, P, P, 22 14 26.8 +0.4, etc.

Table with columns: WMQ, Kurchatov Arr, 58.13 137, P, P, 22 14 26.8 +0.4, etc.

Table with columns: WMQ, Kurchatov Arr, 58.13 137, P, P, 22 14 26.8 +0.4, etc.







Scale 10<sup>18</sup>Nm; Mr1.17; Mw0.36; Mo0.82; Me0.25; Mm0.68; Mu-0.75; Best double couple: M1.50000x10<sup>18</sup> NP1<sub>3</sub>=154.00000°, δ61.00000°, λ100.00000°. NP2: φ=314.00000°, δ30.00000°, λ72.00000°. Principal axes: T 1.4200, Plg2.0000°, Azm87.0000°; N 0.0900, Plg9.0000°, Azm329.0000°; P -1.5200, Plg16.0000°, Azm237.0000°; NEIC Felt [III] at San Juan del Sur and [II] at Managua. Felt [V] at Liberia; [IV] at Jaco and Sardinia; [III] at Alajuela, Atenas, San Ramon, Santa Ana, Santa Cruz and Tilaran, Costa Rica. Felt widely in western Nicaragua and in much of northwestern and central Costa Rica. Also felt at Tegucigalpa, Honduras and at Santiago Nonualco, El Salvador.

ISCJB 07 22:35:25.4-0.1, 11°66'N-0°02'-85°82'W, 0.02, h188km±1km, mb5.8/48.4 Error ellipse: s-maj=3.3km s-min=1.7km az=38.7

IDC 07 22:35:25.9-0.4, 11°80'N-85°64'W, h176km±3km, mb5.2/40, mb1.5/340, mb1mx5.2/44, mbtmp5.6/40, MS4.7/13, Ms1.4/7.13, ms1mx4.5/35, Error ellipse: s-maj=11.0km s-min=5.8km az=61.0

NEIC 07 22:35:27.0-0.1, 11°63'N-85°90'W, h180km Best double couple: NP1<sub>3</sub>=151.00000°, δ69.00000°, λ98.00000°. NP2<sub>3</sub>=308.00000°, δ22.00000°, λ69.00000°. Principal axes: T 1.2400, Plg64.0000°, Azm74.0000°; N 0.3600, Plg7.0000°, Azm328.0000°; P -1.1800, Plg23.0000°, Azm234.0000°;

BUJ 07 22:35:27.1, 11°65'N-85°90'W, h190km, mb5.8/28 MOS 07 22:35:28.6-0.9, 11°80'N-85°73'W, h211km, mb5.7/84, Error ellipse: s-maj=6.4km s-min=4.0km az=104.3

NEIC 07 22:35:41.5-0.0, 11°97'N-85°66'W, h190km Best double couple: NP1<sub>3</sub>=145.00000°, δ69.00000°, λ88.00000°. NP2<sub>3</sub>=330.00000°, δ21.00000°, λ95.00000°. Principal axes: T 1.1300, Plg66.0000°, Azm51.0000°; N -0.1700, Plg2.0000°, Azm145.0000°; P -0.9600, Plg24.0000°, Azm232.0000°;

ISC 07 22:35:25.3-0.2, 11°169'N-0°03'-85°78'W, 0.03, h177km±1km, h177km±pp-P, n1803, c168/2441, mb5.7/501, 117C-22D, Nicaragua

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
				ISC Op	h m s	h m s
CRZ1	La Cruz	0.63 167	eP	Pn	22 35 49.0	-1.5
XAVN	Gruta Xavier	0.70 311	eP	Pn	22 35 49.9	-0.9
GOVN	Copales	0.93 107	eP	Pn	22 35 50.0	1.9
APPA	Casa Miquinas	1.02 156	eP	Pn	22 35 52.8	-0.2
APPA	APPA		eS	Sn	22 36 13.1	-1.2
GP3S	Bodega del ICE	1.02 156	eP	Pn	22 35 52.5	-0.5
MOMN	Momotombo	1.03 314	iP	Pn	22 35 51.7	-1.3
MOMN	MOMN		eS	Sn	22 36 16.6	-4.8
MESS	Mesas	1.11 148	eP	Pn	22 35 53.4	-0.3
LIM1	Limalon	1.12 152	eP	Pn	22 35 53.4	-0.4
COLC	Colonia	1.17 151	eP	Pn	22 35 53.9	-0.3
COLC	COLC		eS	Sn	22 36 16.6	+0.2
CUIP	Cuipilapa	1.19 149	eP	Pn	22 35 54.4	0.0
CHPA	Chiripa	1.51 145	eP	Pn	22 36 14.8	-7.2
CHPA	CHPA		eS	Sn	22 36 14.8	-7.2
VCR	Vista de Mar	1.56 174	eP	Pn	22 35 56.5	-1.3
ARE1	Arenal	1.61 139	eP	Pn	22 35 58.7	+0.5
CGA2	Cerro Gallo 2	2.11 142	eP	Pn	22 36 03.8	+0.2
TRT1	Tortuguero	2.32 118	eP	Pn	22 36 06.7	+1.0
HDC	Heredia	2.35 136	eP	Pn	22 36 16.4	+0.1
HDC	HDC		eS	Sn	22 36 38.7	+0.6
SJS	Escuela Geolog	2.43 136	eP	Pn	22 36 08.1	+0.8
CVTR	Volcan Turrial	2.59 130	eP	Pn	22 36 10.1	+0.7
VTR0	Volcan Turrial	2.59 130	eP	Pn	22 36 10.1	+0.7
LCR2	La Lucha 2	2.61 138	eP	Pn	22 36 04.6	+0.2
LCR2	LCR2		IAML		22 36 48.4	
URSC	Urasca	2.70 133	eP	Pn	22 36 11.5	+1.1
QCRI	Quepas	2.76 145	eP	Pn	22 36 11.3	+0.4
TGUH	Tegucigalpa,Un	2.76 328	eP	Pn	22 36 12.2	+1.3
TGUH	TGUH		eS	Sn	22 36 40.1	-6.3
BUS	Buena Vista	2.91 337	eP	Pn	22 36 14.7	+1.4
LYM	San Miguel	2.98 306	eP	Pn	22 36 13.2	-0.7
VCY	Lacayo	3.00 305	iP	Pn	22 36 13.2	-0.7
PACA	Pacayal	3.04 306	eP	Pn	22 36 13.9	-0.6
CAHU	Cacacatuque	3.14 311	eP	Pn	22 36 05.4	-0.4
CAHU	CAHU		eS	Sn	22 36 51.8	-3.4
SNVI	San Vicente	3.54 303	eP	Pn	22 36 19.6	-1.1
LFRS	El Faro	3.73 301	iP	Pn	22 36 22.2	-0.9
LBRS	Las Brisas	3.77 303	eP	Pn	22 36 23.0	-0.6
SOYA	Soyapango	3.85 302	eP	Pn	22 36 23.2	-1.2
SOYA	SOYA		eS	Sn	22 37 04.9	-0.4
CUSC	San Salvador	3.89 302	eP	Pn	22 36 24.8	-0.3
OPAM	San Salvador	3.90 301	eP	Pn	22 36 24.8	-0.3
OPAM	OPAM		AML	AML	22 37 13.4	
SERV	Serv Nac Est T	3.91 301	eP	Pn	22 36 24.5	-0.7
SNET	SNET		eS	Sn	22 37 01.4	-1.1
SNET	Serv Nac Est T	3.91 301	AML	AML	22 37 16.0	
COLS	Collinas	3.95 300	eP	Pn	22 36 25.2	-0.7
BOQS	Boqueson	3.97 301	eP	Pn	22 36 26.0	0.2
PTJ1	Puerto Jim'ne	3.98 142	eP	Pn	22 36 27.7	+1.6
BRU2	Volcan	4.19 133	eP	Pn	22 36 30.0	+1.0
TBS2	TBS2	4.21 133	eP	Pn	22 36 30.9	+1.6
SNJE	San Jose	4.31 301	eP	Pn	22 36 29.8	-0.8
SBL5	San Blas	4.31 300	eP	Pn	22 36 30.0	-0.6
SBL5	Santa Ana	4.33 302	AML	AML	22 37 26.3	
MONT	Ecomonataea	4.34 300	eP	Pn	22 36 30.2	-0.8
APOP	Alto Boquete	4.35 132	eP	Pn	22 36 24.9	-6.1
APOP	APOP		AML	AML	22 37 24.5	
RTR	El Retiro	4.26 301	eP	Pn	22 36 30.7	-0.4
RBDL	Robledal	4.50 303	eP	Pn	22 36 32.2	-0.7
CUS1	Cusmapa	4.62 299	eP	Pn	22 36 33.7	-0.7
ICCO	Coco Island	6.24 192	eP	Pn	22 36 54.7	-0.7
BCIP	Isla Barro Col	6.37 113	eP	Pn	22 37 53.9	-2.3
BCIP	BCIP		eS	Sn	22 37 53.0	-1.6
CCIG	Comitan	7.67 307	eP	Pn	22 37 15.7	+1.2
CCIG	CCIG		eS	Sn	22 38 36.7	-4.1
MAPC	Maipelo	8.69 151	eP	Pn	22 37 29.8	+2.0
CAPC	Capurgana	8.84 109	eP	Pn	22 37 29.9	+0.1
SABANCY	Sabancuy	8.91 325	eP	Pn	22 38 58.9	-1.1
SCIG	SCIG		eS	Sn	22 38 58.9	-1.1
SOLC	Bahia Solano	9.89 123	eP	Pn	22 37 39.0	-4.6
MCJ	Malvern	9.98 51	eP	Pn	22 37 48.9	+4.1
MTDJ	Mount Denham	10.28 50	eP	Pn	22 37 51.8	+3.1
MTDJ	MTDJ		eS	Sn	22 39 39.3	-3.8
PCJ	Portland Cotta	10.28 53	iP	Pn	22 37 53.1	-4.2
CMIG	Matias Romero	10.32 302	P	P	22 37 47.8	-1.4
CMIG	comp-Z,4.4nm,0.3s,baz=103,slow=8.6,SNR=189					
CMIG	comp-Z,1.7nm,0.3s,baz=28,slow=14,SNR=6.8				22 39 32.5	-1.1
MOTC	Monterea, Cord	10.37 105	eP	Pn	22 37 49.8	-0.1
TUIG	Tuzandepetl	10.46 308	eP	Pn	22 37 51.8	+0.8
DBCC	Dabeiba	10.53 115	eP	Pn	22 37 56.0	+4.0
SJCC	San Jacinto, C	10.57 99	eP	Pn	22 37 54.7	+2.2
GBJ	Bamboo Saint A	10.58 50	iP	Pn	22 37 57.3	-3.9
HJ	Hope	10.58 51	iP	Pn	22 37 57.3	-3.9
HJ	HJ		eS	Sn	22 38 02.2	-1.9
CMJ	Castle Mountai	11.12 54	iP	Pn	22 38 10.3	+3.6
GRGC	Isla de Gorgon	11.47 138	eP	Pn	22 38 06.5	+2.5
HEL3	Santa Helena	11.51 117	eP	Pn	22 38 06.5	+1.6
HEL3	HEL3		eS	Sn	22 38 23.2	-2.2
ZARC	Zaragoza, Cauc	11.55 110	eP	Pn	22 38 05.5	+0.3
PLMC	San Jos' del	11.57 125	eP	Pn	22 38 07.1	+1.7
TUMC	Tumaco	12.05 144	eP	Pn	22 38 14.5	-2.5
TUMC	Tumaco	12.05 144	eP	Pn	22 38 14.7	-2.3
GUYC	Guayana, Colomb	12.12 121	eP	Pn	22 38 16.2	-2.2
CODC	Agust' Codaz	12.15 97	eP	Pn	22 38 16.2	-2.1
NORC	Norcasia	12.39 119	eP	Pn	22 38 18.5	-2.3
TOLC	Tolima	12.53 123	eP	Pn	22 38 21.4	-1.3
OCAC	Ocana	12.75 104	eP	Pn	22 38 22.0	+1.3
BRRC	Barranca, Sant	12.75 110	eP	Pn	22 38 22.9	-1.9
POPC	Popayan, Colomb	12.81 135	eP	Pn	22 38 23.2	-1.9
LVYG	Laguna Verde	12.98 309	eP	Pn	22 38 24.2	+0.8
PAYG	Puerto Ayora	13.07 200	eP	Pn	22 38 28.0	-0.4
GTBY	Guantanamo Bay	13.13 50	eP	Pn	22 38 29.5	+0.6
ROSC	El Rosal	13.23 120	P	P	22 38 31.4	+0.9
ROSC	El Rosal	13.23 120	eP	Pn	22 38 31.1	+0.5
ROSC	El Rosal	13.23 120	eP	Pn	22 38 31.2	+0.7
CMBC	Cumbal	13.29 143	eP	Pn	22 38 30.0	-1.2
CRUC	La Cruz	13.34 138	eP	Pn	22 38 31.4	-0.4
PRAC	Prado	13.39 125	eP	Pn	22 38 30.8	-1.2

PRAC	Prado	13.39 125	eP	P	22 38 31.5	-0.5
BARC	Barichara	13.43 111	eP	P	22 38 32.0	-0.7
URIC	Uribia, Colomb	13.51 89	eP	P	22 38 32.0	-1.2
OTAV	Otavalo	13.51 147	eP	P	22 38 33.0	-0.7
OTAV	Otavalo	13.51 147	eP	P	22 38 33.3	+0.5
OTAV	OTAV		eS	Sn	22 41 11.0	+0.5
PAMC	Pamplona, Colo	13.61 107	eP	P	22 38 33.9	-1.0
BETC	Betania	13.61 130	eP	P	22 38 34.8	+0.3
TLIG	Tiapa	13.67 297	eP	P	22 38 34.0	-1.2
RUSC	La Rusia	13.81 114	eP	P	22 38 36.6	-0.5
RUSC	La Rusia	13.81 114	eP	P	22 38 37.4	+0.3
RUSC	RUSC		eS	Sn	22 41 11.0	+0.5
VILC	Villavicencio,	14.14 121	eP	P	22 38 42.1	+1.7
YOPC	Yopal, Colombi	14.63 114	eP	P	22 38 46.6	+0.8
UNM	Universidad Na	14.97 302	eP	P	22 38 50.3	+3.3
UNM	Universidad Na	14.97 302	eP	P	22 38 51.4	+1.7
SDV	Santo Domingo	15.17 99	eP	P	22 38 53.4	+1.6
SDV	SDV		eS	S	22 41 11.0	+0.5
SDDR	Presa de Saban	15.74 61	eP	Pn	22 39 01.8	+3.8
GUDC	San Jose del G	15.90 124	eP	Pn	22 39 01.3	+1.6
SDV	Santo Domingo	16.73 64	eP	Pn	22 39 13.7	+4.1
SDV	SDV		eS	S	22 41 11.0	+0.5
SDD	Morelia	16.81 300	eS	Sn	22 42 22.1	+4.7
MOIG	Morelia	16.81 300	eS	Sn	22 39 13.9	+3.0
DWPF	Disney Wilders	16.84 13	eP	Pn	22 39 13.7	+2.9
DWPF	DWPF		eS	Sn	22 42 19.1	-0.7
GRTK	Grand Turk	17.09 53	eP	Pn	22 39 17.5	+3.7
646A	Port Sulphur	18.20 349	P	Pn	22 39 29.5	+2.6
645A	Chauvin	18.24 346	P	Pn	22 39 28.8	+1.4
LNIG	Linares	18.45 317	eP	P	22 39 28.6	+0.9
LNIG	LNIG		eS	S	22 42 48.6	-0.4
035Z	Hargill	18.70 324	P	Pn	22 39 31.6	-1.2
545A	Edgard	18.78 347	P	Pn	22 39 35.2	+1.6
546A	Silid	18.81 349	P	Pn	22 39 35.3	+1.3
IDE	Isa Descecho	18.89 67	eP	Pn	22 39 35.2	+0.1
544A	White Castle	19.00 346	P	Pn	22 39 36.9	+0.7
035A	Enecho	19.09 324	P	Pn	22 39 36.1	-1.3
MPR	Mayaguez	19.14 68	eP	Pn	22 39 37.8	-0.3
543A	St. Martinville	19.15 344	P	Pn	22 39 38.9	+0.8
AGP	Aguadilla	19.19 67	eP	Pn	22 39 39.3	+0.6
447A	Lucedale	19.20 352	P	Pn	22 39 39.4	+0.8
448A	Bay Minette	19.24 355	P	Pn	22 39 39.9	+0.7
446A	Poplarville	19.29 351	P	Pn	22 39 40.3	+0.5
445A	Amite	19.41 348	P	Pn	22 39 41.0	-0.1
BRAL	Brewton	19.42 357	eP	Pn	22 39 41.8	+0.6
ZAIG	Zacatecas	19.43 307	eP	Pn	22 39 41.2	-0.5
KVXT	Kingsville	19.44 326	eP	Pn	22 39 40.3	-1.2
KVXT	KVXT		eS	S	22 43 13.3	+4.8
444A	Pine Grove	19.48 347	P	Pn	22 39 41.6	-0.4
034A	Hebronville	19.52 323	P	Pn	22 39 41.3	-1.2





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Table with columns: ID, Name, Location, Date, Time, and other details. Includes entries like N45A Kentland, N46A Monticello, HSIG comp=Z,29nm,1.2s, etc.

2011 NOV

Table with columns: ID, Name, Location, Date, Time, and other details. Includes entries like M35A Neola, L38A Oak Wood Farm, K43A Burlington, etc.

7d 22h

Table with columns: ID, Name, Location, Date, Time, and other details. Includes entries like I37A Lemond, Waseca, J33A Davis, etc.

VT1	Waterbury	34.40	17	eP	P	22 41 57.9 +2.2
F37A	Hinrichs Farm, comp=Z,985nm,1.4s	34.41	352	P	P	22 41 55.5 -0.2
H31A	Wolsey, comp=Z,158,SNR=27	34.45	344	P	P	22 41 55.7 -0.4
G34A	Benson, comp=Z,163	34.48	348	P	P	22 41 56.1 -0.2
MNMC	Minnye Minnye, comp=Z,924nm,1.2s	34.53	152	eP	P	22 41 59.2 +1.8
MNMC				ePP	PnPn	22 43 21.8 +2.2
MNMC				ePcP	PcP	22 44 29.3 +1.0
W13A	Hualapai Mount, comp=Z,229nm,1.2s	34.54	317	eP	P	22 41 59.0 +1.8
W13A				ePcP	PcP	22 44 30.1 +2.1
F38A	Pierce - Schro, comp=Z,229nm,1.2s	34.54	352	P	P	22 41 56.6 -0.2
SUSD	Miller, comp=Z,157,SNR=10	34.55	343	P	P	22 41 56.6 -0.3
E45A	Wooded Hills, comp=Z,181,SNR=17	34.55	1	P	P	22 41 57.7 +0.9
LBNH	Lisbon, comp=Z,2um,1.6s	34.56	18	eP	Pmax	22 41 59.7 +2.7
LBNH				eP	P	22 41 59.7 +2.7
E04A	Lone Tree Farm, comp=Z,2um,1.6s	34.58	359	P	P	22 41 57.7 +0.6
E42A	White River Ci, comp=Z,139,SNR=50	34.59	329	P	P	22 41 58.9 +0.9
O20A	White River Ci, comp=Z,222nm,1.3s	34.59	329	eP	P	22 41 59.0 +1.5
O20A				ePcP	PcP	22 44 29.6 +1.5
G33A	Ortonville, comp=Z,162,SNR=14	34.61	347	P	P	22 41 57.3 -0.1
FRNY	Flat Rock, comp=Z,1um,1.5s	34.65	15	eP	P	22 41 59.7 +2.0
FRNY				ePP	PP	22 43 17.3 -2.7
E42A	Champion, comp=Z,176,SNR=45	34.67	357	P	P	22 41 58.3 +0.4
F36A	Milaca, comp=Z,167,SNR=142	34.69	350	P	P	22 41 57.7 -0.4
SWSC	Sam W. Stewart, comp=Z,121,SNR=44	34.70	312	P	P	22 42 00.3 +2.0
E41A	Kenton, comp=Z,175,SNR=28	34.76	356	P	P	22 41 58.5 -0.2
IKP	In-Ko-Pah, Jac, comp=Z,120,SNR=35	34.78	312	P	P	22 42 01.3 +2.2
E39A	Mellen, comp=Z,172,SNR=110	34.81	354	P	P	22 41 59.4 +0.3
E40A	Wakelief, comp=Z,173,SNR=83	34.81	355	P	P	22 41 59.4 +0.3
E43A	Grand Marais A, comp=Z,180,SNR=17	34.81	360	P	P	22 42 00.3 +1.2
BC4	Big Chickadee, comp=Z,122,SNR=71	34.82	314	P	P	22 42 01.3 +1.8
NEE2	Needles Airport, comp=Z,125,SNR=13	34.84	316	P	P	22 42 01.4 +1.8
F35A	Swanville, comp=Z,155,SNR=22	34.86	349	P	P	22 41 59.5 0.0
IRM	Iron Mountain, comp=Z,123,SNR=45	34.87	315	P	P	22 42 01.8 +1.9
G32A	Webster, comp=Z,160,SNR=35	34.92	345	P	P	22 41 59.9 -0.1
F34A	Alexandria, comp=Z,164,SNR=14	34.93	348	P	P	22 42 00.1 -0.1
PKCU	Pink Cliffs, comp=Z,332nm,1.2s	34.97	322	eP	P	22 42 03.1 +2.1
KNB	Kanab, comp=Z,270nm,1.2s	35.01	321	eP	Pmax	22 42 02.8 +1.6
KNB				eP	Pmax	22 42 03.7 +2.5
KNB				ePcP	PcP	22 44 28.9 -0.5
SRU	San Rafael Sae, comp=Z,268nm,1.2s	35.05	325	eP	Pmax	22 42 02.7 +1.2
SRU				eP	P	22 42 02.7 +1.2
SRU				ePcP	PcP	22 44 31.0 +1.6
PB11	IPOC Station P, comp=Z,1um,1.7s	35.06	153	eP	P	22 42 03.4 +1.7
PB11				ePcP	PcP	22 44 30.3 +0.7
G31A	Conde, comp=Z,159	35.07	345	P	P	22 42 00.7 -0.6
MONP2	Monument Peak, comp=Z,120,SNR=26	35.12	312	P	P	22 42 04.2 +1.9
F38A	The Farm, Brul, comp=Z,170,SNR=44	35.14	353	P	P	22 42 02.0 +0.1
E36A	5 Mile Ranch, comp=Z,162,SNR=20	35.19	347	P	P	22 42 02.1 -0.3
BAR	Barrett, comp=Z,62nm,1.2s	35.20	311	eP	P	22 42 04.5 +1.8
BAR				ePcP	PcP	22 44 31.7 +1.9
E37A	Wrenshall, comp=Z,167nm,1.3s	35.21	352	P	P	22 42 02.6 +0.1
P18A	Preston Nutter, comp=Z,157nm,1.3s	35.27	326	eP	P	22 42 04.6 +1.1
P18A				ePcP	PcP	22 44 31.9 +1.7
LCMT	Little Creek M, comp=Z,441nm,1.9s	35.27	320	eP	P	22 42 04.8 +1.3
LCMT				ePcP	PcP	22 44 32.1 +2.0
RWWY	Rawlins, comp=Z,226nm,1.1s	35.28	332	eP	P	22 42 04.8 +1.3
RWWY				ePcP	PcP	22 44 30.6 +0.5
Q16A	Castle Valley, comp=Z,312nm,1.7s	35.28	325	eP	P	22 42 05.0 +1.5
E36A	McGregor, comp=Z,168,SNR=63	35.28	351	P	P	22 42 03.0 -0.2
MTPU	Mount Pierson, comp=Z,413nm,1.7s	35.28	323	eP	P	22 42 05.6 +1.9
MTPU				ePcP	PcP	22 44 31.6 +1.3
D41A	Chassel, comp=Z,175,SNR=20	35.33	357	P	P	22 42 04.0 +0.5
LDFO	Landfair, comp=Z,240nm,1.0s	35.35	316	eP	P	22 42 06.5 +2.4
LDFO				ePP	PP	22 43 24.9 -3.1
LDFO				ePcP	PcP	22 44 32.3 +2.0
LDFO				ePcP	PcP	22 42 06.2 +1.8
BELC	Belle Mtn. Jos, comp=Z,122,SNR=101	35.38	314	P	P	22 42 03.6 -0.6
F32A	Veblen, comp=Z,161	35.41	346	P	P	22 42 06.0 +1.3
P17A	Butcher Ranch, comp=Z,151nm,1.1s	35.43	326	eP	P	22 42 06.0 +1.3
P17A				ePcP	PcP	22 44 31.9 +1.4
TPFO	Pinon Flats, comp=Z,165,SNR=22	35.51	313	P	P	22 42 07.3 +1.9
E35A	Pequot Lakes, comp=Z,180nm,1.0s	35.51	350	P	P	22 42 05.1 0.0
XPFO	Pion Flat, comp=Z,190nm,1.0s	35.51	313	eP	P	22 42 07.4 +2.0
XPFO				ePcP	PcP	22 44 32.5 +1.7
PFO	Pinyon Flats O, comp=Z,137nm,1.0s, comp=Z,107,slow=6.5,SNR=72	35.51	313	P	P	22 42 07.4 +2.0
PFO				ePcP	PcP	22 44 32.2 +1.3
PFO				eP	P	22 48 01.9 +1.8
PFO				eP	P	22 42 07.5 +2.0
PFO				ePcP	PcP	22 42 07.5 +2.0
PFO				ePcP	PcP	22 44 32.5 +1.7
PFO				ePcP	PcP	22 48 03.0 +2.8
SZCU	Shurtz Canyon, comp=Z,155nm,1.1s	35.54	321	eP	P	22 42 07.7 +1.9
SZCU				ePcP	PcP	22 44 33.2 +2.2
SZCU				ePcP	PcP	22 48 02.8 +2.5
TMUT	Trail Mountain, comp=Z,215nm,1.4s	35.56	325	eP	P	22 42 07.5 +1.4
TMUT				ePcP	PcP	22 44 32.9 +1.8
TMUT				ePcP	PcP	22 48 02.5 +2.0
ARGU	Argyle Ridge, comp=Z,2um,1.5s	35.56	326	eP	P	22 42 07.7 +1.6
GMRC	Granite Mounta, comp=Z,123,SNR=39	35.57	315	P	P	22 42 07.8 +1.9
WVL	Waterville, comp=Z,2um,1.5s	35.57	349	P	P	22 42 09.0 +3.4
E34A	Wadena, comp=Z,164,SNR=11	35.61	349	P	P	22 42 06.0 +0.1
109C	Camp Elliot, M, comp=Z,119,SNR=13	35.62	311	P	P	22 42 08.0 +1.8
F31A	Hecla, comp=Z,159	35.67	345	P	P	22 42 05.5 -1.0
CCUT	Cedar City, comp=Z,100nm,1.1s	35.68	321	eP	P	22 42 09.2 +2.2

CCUT				ePcP	PcP	22 44 33.2 +1.8
CCUT				ePcP	ScP	22 48 04.0 +3.1
TRQ	Mont Tremblant, comp=Z,137nm,1.0s	35.71	13	eP	P	22 42 08.6 +1.7
SGU	Westby DABS, E, comp=Z,163,SNR=17	35.73	325	eP	P	22 42 09.2 +1.8
K22A	Gasper, comp=Z,144,SNR=34	35.73	333	P	P	22 42 08.2 +0.9
K22A				eP	P	22 42 08.3 +1.1
E33A	Casper, comp=Z,137nm,1.0s	35.73	333	eP	P	22 42 08.3 +1.1
E33A				P	P	22 42 06.7 -0.5
D37A	Cotton, comp=Z,169,SNR=48	35.79	352	P	P	22 42 07.5 0.0
TCRU	Three Creeks R, comp=Z,217nm,1.2s	35.81	323	eP	P	22 42 09.6 +1.5
TCRU				ePcP	PcP	22 44 32.5 +0.7
TCRU				ePcP	ScP	22 48 04.2 +2.8
D36A	Goodland, comp=Z,163,SNR=44	35.91	351	P	P	22 42 08.0 -0.5
RSSD	Black Hills, comp=Z,149	35.94	337	P	P	22 42 10.2 +1.1
RSSD				eP	Pmax	22 42 10.2 +1.1
RSSD				eP	Pmax	22 42 10.2 +1.1
RSSD				ePcP	PcP	22 44 31.7 -0.3
D35A	Remer, comp=Z,166,SNR=37	35.96	350	P	P	22 42 08.2 -0.7
MURC	Murrieta, comp=Z,120,SNR=65	36.04	312	P	P	22 42 11.9 +2.1
HEC	Hector,Ludlow, comp=Z,123,SNR=52	36.06	315	P	P	22 42 12.0 +2.0
E32A	Graten, Kindr, comp=Z,161	36.08	347	P	P	22 42 09.5 -0.4
TUQ	Turquoise Moun, comp=Z,124,SNR=7.0	36.10	316	P	P	22 42 13.2 +1.8
D34A	Park Rapids, comp=Z,164,SNR=53	36.16	349	P	P	22 42 10.3 -0.4
FLU	Fool Peak, comp=Z,121,SNR=13	36.17	324	eP	P	22 42 12.7 +1.7
BBRC	Big Bear Solar, comp=Z,173,SNR=50	36.17	313	P	P	22 42 13.6 +2.3
BBRC				eP	P	22 42 14.7 +3.5
C39A	Grand Marais, comp=Z,173,SNR=14	36.19	355	P	P	22 42 10.2 -0.6
SHPR	Sheep Range, comp=Z,243nm,1.5s	36.20	318	eP	P	22 42 13.4 +2.1
SHPR				ePcP	PcP	22 44 35.2 +2.3
SHPR				ePcP	ScP	22 48 05.6 +3.0
C38A	Sawbill Land, comp=Z,171,SNR=83	36.20	354	P	P	22 42 10.1 -0.9
E31A	Nome, comp=Z,160,SNR=6	36.23	346	P	P	22 42 10.9 -0.3
PB01	IPOC Station P, comp=Z,571nm,1.4s	36.26	154	eP	P	22 42 13.6 +1.8
PB01				eP	P	22 42 51.8 +2.4
PB01				eP	P	22 43 25.0 +2.5
PB01				ePcP	PcP	22 44 33.3 +0.2
PB01				ePcP	ScP	22 48 04.0 +1.1
MPU	Maple Canyon, comp=Z,229nm,1.5s	36.30	326	eP	P	22 42 13.4 +1.3
MPU				ePcP	PcP	22 44 35.0 +1.9
MPU				ePcP	ScP	22 48 05.5 +2.5
PKME	Peaks-Kenny Pk, comp=Z,1um,1.3s	36.31	20	eP	P	22 42 14.8 +2.9
C37A	Embarrass, comp=Z,1um,1.3s	36.32	353	P	P	22 42 11.8 -0.1
D33A	AnnSam, Waubun, comp=Z,163,SNR=22	36.34	348	P	P	22 42 11.8 -0.4
C36A	Pine Crest Far, comp=Z,168,SNR=39	36.44	352	P	P	22 42 12.8 -0.1
EYMN	Ely, comp=Z,171,SNR=28	36.45	354	P	P	22 42 12.7 -0.4
EYMN				eP	P	22 42 12.5 -0.6
EYMN				ePP	PP	22 43 34.5 -5.4
EMMW	East Machias, comp=Z,1um,1.5s	36.47	22	eP	P	22 42 16.1 +2.9
NLU	North Lily Min, comp=Z,222nm,1.6s	36.50	325	eP	P	22 42 15.3 +1.4
NLU				ePcP	PcP	22 44 36.1 +2.3
RRX	Edison Barstow, comp=Z,122	36.55	314	P	P	22 42 16.2 +2.2
C35A	Jirik Farms, M, comp=Z,167,SNR=112	36.55	351	P	P	22 42 13.5 -0.4
D32A	Dogwood Acres, comp=Z,162,SNR=6.2	36.58	347	P	P	22 42 13.6 -0.6
SHOC	Shoshone, Teco, comp=Z,124,SNR=7.0	36.60	316	P	P	22 42 16.8 +2.3
PSUT	Pine Spring, comp=Z,118nm,1.0s	36.60	322	eP	P	22 42 16.3 +1.5
PSUT				ePcP	PcP	22 44 36.4 +2.3
PSUT				ePcP	ScP	22 48 05.9 +1.7
JLU	Jordanelle, comp=Z,134nm,1.5s	36.61	326	eP	P	22 42 15.9 +1.1
JLU				ePP	PnPn	22 43 45.3 +1.1
JLU				ePcP	PcP	22 44 36.9 +1.9
JLU				ePcP	ScP	22 48 06.3 +2.2
GSC	Goldstone, Bar, comp=Z,123,SNR=71	36.64	315	P	P	22 42 16.9 +1.9
GSC				e	Pmax	22 44 35.9
GSC				eP	Pmax	22 42 16.9 +1.9
GSC				ePcP	PcP	22 44 35.9 +1.8
GSC				ePcP	ScP	22 48 06.6 +2.4
C34A	RKJ Ranch, Bem, comp=Z,165,SNR=38	36.66	350	P	P	22 42 14.2 -0.6
D31A	Mcclellin, Tow, comp=Z,160,SNR=10.0	36.66	346	P	P	22 42 14.5 -0.3
BFSC	Mount Baldy Ra, comp=Z,120,SNR=40	36.69	313	P	P	22 42 17.1 +1.6
SC12	San Clemente I, comp=Z,118,SNR=6.9	36.73	310	P	P	22 42 17.5 +1.8
SIV	San Ignacio, comp=Z,2um,0.5s, comp=Z,315,slow=8.6,SNR=247	36.80	138	P	P	22 42 17.3 +0.8
SIV				ScP	ScP	22 48 07.2 +2.2
CIS	Catalina Islan, comp=Z,21nm,0.9s, comp=Z,336,slow=7.6,SNR=4.9	36.83	311	P	P	22 42 18.6 +2.0
CTU	Camp Tracy, comp=Z,158nm,1.3s	36.83	326	eP	P	22 42 17.9 +1.3
CTU						

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like Indian Meadow, Rector, Farmer, Simmler, Red Lodge, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like Wovor, Oroville, Marconi Confer, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like Laurance Lake, Schefferville, etc.





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GOPC	GO Pecny, Ondr	87.85	39f	eP	P	22 47 54.6	-0.1
GOPC				eP	P	22 47 54.0	+1.1
GOPC				eP	P	22 51 21.7	-1.3
GOPC				eSKS	SKSac	22 58 06.4	+0.1
GOPC				e	AMS	23 22 00.0	
comp=Z,2um,17.8s							
GOPC	GO Pecny, Ondr	87.85	39	eP	P	22 47 54.6	-0.1
GOPC				e		22 51 21.7	
GOPC				e		22 58 06.4	
GOPC				e	MLR	22 59 24.2	
comp=Z,2um,18.9s							
MYKA	Terra Mystica	87.97	43	iP	P	22 47 55.1	-0.3
MYKA				iP	P	22 48 40.9	+1.3
MYKA				iPKKPbc	PKKPbc	23 05 40.3	-1.4
MOA	Molin	88.07	42	iP	P	22 47 55.1	-0.7
MOA				iP	P	22 48 41.4	+1.5
MOA				iPKKPbc	PKKPbc	23 05 39.8	-1.6
CADS	Cadrg	88.14	43f	iP	P	22 47 55.4	-0.8
CADS				eP	P	22 48 40.0	-0.4
CADS				e		22 58 23.0	
CADS				e		22 59 41.1	
TRI	Trieste	88.29	44	eP	P	22 47 56.2	-0.7
TRI				e	pmax	22 51 23.2	
TRI				eP	P	22 47 56.1	-0.7
TRI				eP	P	22 48 40.9	-0.1
TRI				eP	P	22 51 23.2	-3.4
TRI				eP	P	22 47 57.5	+0.4
GKP	Gorka Klasztor	88.37	36	eP	P	22 48 42.4	+1.1
GKP				eS	S	22 58 26.8	-0.4
GKP				eS	S	22 47 57.5	+0.4
GKP				eS	S	22 58 26.8	-0.4
UPC	Upice	88.45	39	eP	P	22 47 57.4	-0.1
UPC				e		22 51 25.3	
UPC				e		22 58 07.3	
UPC				e		22 59 33.2	
comp=Z,2um,18.4s							
TREC	Trest	88.46	40	eP	P	22 47 57.2	-0.4
TREC				e	MLR	22 51 25.3	
comp=Z,2um,20.1s							
KSP	Ksiaz	88.52	38	eP	P	22 47 57.8	-0.1
KSP				eP	P	22 48 43.3	+1.3
KSP				eP	P	22 51 32.0	+3.8
KSP				e		22 47 57.8	-0.1
KSP				e		22 51 32.0	
OBKA	Obir	88.61	43	iP	P	22 47 58.1	-0.4
OBKA				iP	P	22 48 44.0	+1.3
OBKA				iPKKPbc	PKKPbc	23 05 37.4	-2.7
DPC	Dobruska-Polom	88.68	39f	iP	P	22 47 58.6	-0.1
DPC				eP	P	22 48 44.2	+1.3
DPC				e		22 48 54.8	
DPC				eP	P	22 51 29.2	-0.4
DPC				eSKS	SKSac	22 58 10.8	-0.5
DPC				eP	P	22 59 31.2	
DPC				ePKKPbc	PKKPbc	23 05 39.4	-0.7
DPC				ePKPKP	P'P'df	23 12 42.1	-5.4
DPC				eAMS	AMS	23 22 40.0	
comp=Z,1um,19.0s							
DPC	Dobruska-Polom	88.68	39f	iP	P	22 47 58.6	-0.1
DPC				e		22 49 54.4	
DPC				e		22 58 10.8	
DPC				e		22 59 31.2	
DPC				e	MLR		
comp=Z,1um,19.0s							
LJU	Ljubljana	88.72	43f	iP	P	22 47 58.7	-0.2
LJU				eP	P	22 48 42.6	-0.5
LJU				eP	P	22 51 36.3	+6.3
LJU				e		22 58 24.9	
LJU				e		22 59 44.3	
SOKA	Soboth	88.89	43	iP	P	22 47 58.8	-1.0
SOKA				iP	P	22 48 45.2	+1.2
SOKA				iPKKPbc	PKKPbc	23 05 38.5	-0.9
AFI	Afiamal	88.95	256	eP	P	22 48 00.8	+0.2
AFI				eP	P	22 48 02.3	+1.7
AFI				e	pmax		
AFI				eP	P	22 48 02.3	+1.7
AFI				eP	P	22 47 58.9	-1.2
PERS	Pernice	88.95	43f	iP	P	22 48 03.5	+0.5
PERS				eP	P	22 51 36.2	+4.4
KRLC	Kraliky	89.04	39f	eP	P	22 48 00.5	+0.1
KRLC				eP	P	22 48 46.0	+1.4
KRLC				eP	P	22 48 00.5	+0.1
ARSA	Arzberg	89.05	42	iP	P	22 47 59.7	-0.8
ARSA				iP	P	22 48 45.2	+0.5
ARSA				iPKKPbc	PKKPbc	23 05 37.9	-1.1
ARSA				iPKKPbc	PKKPbc	23 05 37.9	-1.1
CONA	Conrad Observa	89.08	41	iP	P	22 48 00.5	-0.2
CONA				iP	P	22 48 44.1	+0.8
CONA				iPKKPbc	PKKPbc	23 05 37.3	-1.7
VRAC	Vranov	89.15	40	PP	P	22 51 30.7	-2.6
VRAC				PP	P	22 48 00.6	-0.2
VRAC				PP	P	22 48 02.5	-0.5
SOP	Sopron	89.60	41f	eP	P	22 48 47.5	
SOP				e		22 48 03.0	0.0
MORC	Moravsky Berou	89.60	39	eP	P	22 48 02.9	0.0
MORC				eP	P	22 48 02.9	0.0
MORC				e	pmax		
MORC				eP	P	22 48 02.9	0.0
MORC				eP	P	22 48 48.4	+1.2
KOGS	Kog	89.76	43f	iP	P	22 48 03.2	-0.5
KOGS				eP	P	22 48 46.7	-1.2
FIAO	FINESS Array S	89.92	26	eP	P	22 48 03.7	-0.5
FIAO				e		22 51 37.5	
FIAO				eP	P	22 48 03.6	-0.5
FIAO				eP	P	22 51 37.5	-1.4
FIAO				eP	P	22 05 35.5	-1.9
FIAO				eP	P	22 48 03.6	-0.5
FINES	FINESS Array B	89.92	26	eP	P	22 51 37.5	-1.4
FINES				eP	P	22 48 03.6	-0.5
FINES				eP	P	22 51 37.5	-1.4
FINES				eP	P	22 48 03.6	-0.5
FIA1	FINESS Array S	89.92	26	eP	P	22 48 03.5	-1.8
FIA1				eP	P	22 48 03.1	-1.0
FIA1				eP	P	22 51 36.7	-2.2
OKC	Ostrava-Krasne	89.96	39f	eP	P	22 48 04.5	-0.1
OKC				eP	P	22 48 50.3	+1.5
OKC				eP	P	22 51 35.6	-4.0
OKC				eP	P	22 05 36.6	-0.2
OKC				eP	P	23 13 42.7	-2.3
OKC				e	AMS	23 23 30.0	
OKC				e	MLR		
OKC				e	MLR		
LVZ	Lovozero	90.08	19c	eP	P	22 48 03.9	-0.9
LVZ				eP	P	22 48 03.9	-0.9
BEHE	Bechsey	90.10	42f	eP	P	22 48 05.2	-0.1
BEHE				eP	P	22 48 48.1	+1.5
CSKK	Cs'kako	90.80	41f	eP	P	22 48 08.1	-0.4
CSKK				e		22 48 53.3	
VYHS	Vyhne	90.81	40	eP	P	22 48 08.6	0.0

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VYHS				e		22 51 46.5	
VYHS				e	pmax		
VYHS				e	pmax		
VYHS	Vyhne	90.81	40	eP	P	22 48 08.6	0.0
VYHS				eP	P	22 48 53.3	
VYHS				eP	P	22 51 46.5	+0.1
OJC	Ojcow	90.84	38	eP	P	22 48 08.6	-0.1
OJC				eP	P	22 48 53.9	+1.0
OJC				eP	P	22 51 52.8	+6.2
OJC				eSKS	SKSac	22 58 22.0	-1.8
OJC				e		22 48 08.6	-0.1
OJC				e		22 51 52.8	
OJC				e		22 58 22.0	
OJC				e		22 48 08.4	-0.3
OJC				eP	P	22 48 53.3	+0.4
OJC				eP	P	22 48 09.1	+0.2
OJC				eP	P	22 48 53.5	+0.2
OJC				eP	P	22 51 43.9	-3.2
OJC				eP	P	22 48 09.1	+0.3
OJC				eP	P	22 48 54.5	+1.4
OJC				eP	P	22 51 47.9	+1.1
OJC				eP	P	22 48 09.1	+0.3
OJC				e		22 51 47.9	
OJC				e		22 48 10.4	+0.9
OJC				eP	P	22 51 51.9	
OJC				eP	P	22 48 10.4	+0.9
OJC				eP	P	22 48 10.3	-1.1
OJC				eP	P	22 51 51.9	+0.4
OJC				eP	P	22 48 10.2	-0.4
OJC				eP	P	22 48 09.7	-1.3
OJC				eP	P	22 48 54.4	-0.9
OJC				eP	P	22 48 11.6	+0.2
OJC				eP	P	22 48 57.6	+1.9
OJC				eP	P	22 51 55.2	+4.0
OJC				eP	P	22 58 53.3	-2.2
OJC				eP	P	22 48 11.6	+0.2
OJC				eS	S	22 58 53.3	-2.2
OJC				eS	S	22 48 10.2	-1.1
OJC				eS	S	22 48 55.7	+0.1
OJC				eP	P	22 51 53.0	+1.8
OJC				eP	P	22 48 10.3	-1.1
OJC				eP	P	22 51 53.0	
OJC				eP	P	22 48 10.6	-0.8
OJC				eP	P	22 48 11.6	-1.0
OJC				eP	P	22 48 12.9	+0.3
OJC				eP	P	22 48 13.1	+0.5
OJC				eP	P	22 48 12.9	+0.3
OJC				eP	P	22 48 57.1	+0.2
OJC				eP	P	22 48 12.9	+0.3
OJC				eP	P	22 48 12.9	+0.3
OJC				eP	P	22 48 13.4	0.0
OJC				eP	P	22 48 13.4	0.0
OJC				eP	P	22 48 13.4	0.0
OJC							

Table with columns: ZAK, ZAK, comp, Songino Array, 117.68 353, ePKIKP, pmax, PKPdf, 22 53 48.4 -2.2, KSH, Kashi, 126.30 17, ePKP, PKPdf, 22 54 08.2 +0.7, BHPH, Bhopal, 141.59 25, eP, PKPdf, 22 54 35.5 +0.9

Table with columns: KSH, Kashi, 126.30 17, ePKP, PKPdf, 22 54 08.2 +0.7, BHPH, Bhopal, 141.59 25, eP, PKPdf, 22 54 35.5 +0.9

Table with columns: BHPH, Bhopal, 141.59 25, eP, PKPdf, 22 54 35.5 +0.9, SHL, Shillong, 142.90 3, eP, PKPdf, 22 54 38.0 -0.8





Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station Name. Includes stations like PRA Prague, GOPC GO Pecny, Ondr, and MORC Moravsky Berou.

ISK 07 23:38:51.3, 38 71'N: 43 03'E, h8km, MD2.7
ISCJB 07 23:38:52.4, 0.5, 38 76'N: 02 43 03'E: 0.03, h2km, 6km,
Error ellipse: s-maj=4.4km s-min=3.5km az=177.8

CSEM 07 23:38:52.2, 0.2, 38 75'N: 43 03'E, h5km, MD2.7, Error
ellipse: s-maj=3.8km s-min=3.0km az=103.0
DDA 07 23:38:52.3, 38 74'N: 43 07'E, h7km, MD2.7

ISC 07 23:38:52.5, 1.0, 38 73'N: 02 43 05'E: 0.03, h10km, gkm,
n36, c099/61, Turkey

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station Name. Includes stations like VANB Van, ERVC ERCIS-VAN, and WRA Warramunga Arr.

DDA 07 23:44:42.8, 38 71'N: 43 30'E, h7km, MI3.5
ISK 07 23:44:42.1, 38 73'N: 43 39'E, h5km, ML3.0
ISCJB 07 23:44:43.0, 0.4, 38 72'N: 02 43 45'E: 0.05, h12km, 3km,
Error ellipse: s-maj=6.5km s-min=3.6km az=19.2
CSEM 07 23:44:43.2, 0.3, 38 75'N: 43 39'E, h2km, ML3.0, E, Error
ellipse: s-maj=7.2km s-min=5.1km az=106.0
ISC 07 23:44:43.3, 0.8, 38 68'N: 02 43 47'E: 0.03, h17km, 5km,
n50, c146/73, Turkey

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station Name. Includes stations like TUTA Tutak, TABS TABSURUN-IGDIR, and SENK Senkaya-Erzuru.

CSEM 07 23:45:50.4, 38 85'N: 43 59'E, h7km, MD2.7
DDA 07 23:45:50.4, 38 85'N: 43 59'E, h7km, MD2.7, Turkey

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station Name. Includes stations like VMUR Van-Muradiye, TVAN Van, and STKA Stephens Creek.

ISC 07 23:45:50.6, 60.0, 20 09'S: 179 92'E, h0km, mb4.1/3,
mb1.4/3, mb1mx3.8/20, mbtmp4.1/3, Error ellipse:
s-maj=1078.0km s-min=150.8km az=81.0, South of Fiji

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station Name. Includes stations like STKA Stephens Creek, ASAR Alice Springs, and WRA Warramunga Arr.

BKK 07 23:52:14.8, 1.8, 21 16'N: 9 98'E, h25km, 22km, MA3.3/10,
mb4.1/2, mb4.6/2, MLV4.4/10, Mw(MB)3.9/2, Myanmar

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station Name. Includes stations like CMAI Chiengmai, CHTO Chiang mai, and UTHA Uthaitani.

CSEM 07 23:58:12.8, 0.1, 39 57'N: 24 28'E, h20km, ML2.4, Error
ellipse: s-maj=3.3km s-min=3.0km az=140.0
ATH 07 23:58:12.0, 39 56'N: 24 28'E, h32km, 1km, ML2.4/6, Error
ellipse: s-maj=1.2km s-min=0.8km az=51.0, Aegean Sea

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station Name. Includes stations like PAIG Paliouri, PAIG comp=N,217um,0.2s, and SKIA Skios Island.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station Name. Includes stations like LIA Limnos Island, OUR Ouranopolis, and NEO Neokhori.

ISCJB 08 00:02:10.6, 3.0, 20 93'S: 169 27'E, h0km, mb3.8/4,
mb1.4/0.5, mb1mx3.7/30, mbtmp3.7/5, ML3.1/1, Error
ellipse: s-maj=127.1km s-min=25.3km az=145.0,
Vanuatu Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station Name. Includes stations like DZM Mont Dzumak, STKA Stephens Creek, and WRA Warramunga Arr.

DDA 08 00:03:01.9, 38 86'N: 43 41'E, h7km, MD2.7
ISK 08 00:03:01.8, 38 84'N: 43 63'E, h10km, ML2.3
ISCJB 08 00:03:02.3, 0.7, 38 86'N: 03 43 64'E: 0.07, h13km, 6km,
Error ellipse: s-maj=8.9km s-min=4.6km az=11.5
CSEM 08 00:03:02.1, 0.3, 38 86'N: 43 64'E, h10km, MD2.7, Error
ellipse: s-maj=7.6km s-min=4.8km az=107.0
ISC 08 00:03:01.8, 1.3, 38 79'N: 04 43 62'E: 0.04, h3km, 13km,
n19, c0874/32, Turkey

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station Name. Includes stations like VMUR Van-Muradiye, WRA Warramunga Arr, and VANB Van.

DDA 08 00:04:59.0, 0.6, 38 91'N: 03 43 52'E: 0.06, h15km, 5km,
Error ellipse: s-maj=8.4km s-min=5.0km az=18.5
CSEM 08 00:04:58.7, 0.3, 38 91'N: 43 54'E, h10km, MD2.7, Error

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station Name. Includes stations like VMUR Van-Muradiye, WRA Warramunga Arr, and VANB Van.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, H0S2 Diego Garcia, H0S3 Stephens Creek, H0S1 Diego Garcia, STKA Stephens Creek, MKAR Makanchi Array, ZALV Zalesovo Beam, BRTR Keskin Array, TXAR Lajlas Array.

ISK 08 00:52:47.5, 38.86N, 43.57E, h5km, ML2.5
DDA 08 00:52:47.6, 38.86N, 43.53E, h7km, MD3.0
CSEM 08 00:52:48.0, 38.87N, 43.58E, h5km, MD3.0, Error ellipse: s-maj=7.3km s-min=4.6km az=117.0

ISCJB 08 00:52:49.2, 0.5, 38.90N, 0.03, 43.58E, 0.06, h11km, 4km, Error ellipse: s-maj=7.7km s-min=4.3km az=21.5
ISC 08 00:52:48.6, 0.38, 38.88N, 0.02, 43.57E, 0.03, h12km, 6km, n28, c087/42, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VMUR Van-Muradiye, ERVC ERGIS-VAN, VANS Van, VNB Van, VNB Van, VNB Van, TVAN Van, TVAN Van, TVAN Van, CLDR Caldiran, CLDR Caldiran, CLDR Caldiran, CLDR Caldiran, CLDR Caldiran, DYDN Diyadin, DYDN Diyadin, DYDN Diyadin, AGRB Hanur-Agry, AGRB Hanur-Agry, TASS TABSURUN-IGDIR, TASS TABSURUN-IGDIR, TASS TABSURUN-IGDIR, CUKT Kukurca, CUKT Kukurca, VRTB Varto-Mus, VRTB Varto-Mus, SENK Senkaya-Erzuru, SENK Senkaya-Erzuru, BNGB Bing'li, BINT Bingol, YEDI Yedisu-Bingol, YEDI Yedisu-Bingol.

ISK 08 00:58:13.7, 38.84N, 43.43E, h15km, MD2.6
DDA 08 00:58:13.4, 38.86N, 43.44E, h7km, MD2.8
CSEM 08 00:58:13.7, 0.3, 38.87N, 0.03, 43.50E, h12km, MD2.8, Error ellipse: s-maj=9.7km s-min=5.8km az=106.0

ISCJB 08 00:58:14.2, 0.7, 38.87N, 0.04, 43.48E, 0.08, h18km, 8km, Error ellipse: s-maj=10.7km s-min=5.3km az=15.7
ISC 08 00:58:14.0, 0.9, 38.85N, 0.03, 43.49E, 0.04, h12km, 7km, n18, c101/30, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VMUR Van-Muradiye, ERVC ERGIS-VAN, VANS Van, VNB Van, VNB Van, TVAN Van, TVAN Van, TVAN Van, CLDR Caldiran, CLDR Caldiran, CLDR Caldiran, CLDR Caldiran, CLDR Caldiran, DYDN Diyadin, DYDN Diyadin, DYDN Diyadin, AGRB Hanur-Agry, AGRB Hanur-Agry, TASS TABSURUN-IGDIR, TASS TABSURUN-IGDIR, TASS TABSURUN-IGDIR, CUKT Kukurca, CUKT Kukurca.

ISK 08 01:10:51.6, 38.89N, 43.59E, h5km, MD2.9
CSEM 08 01:10:52.9, 0.2, 38.92N, 43.60E, h8km, MD2.8, Error ellipse: s-maj=6.3km s-min=4.7km az=108.0

DDA 08 01:10:52.8, 38.92N, 43.51E, h7km, MD2.8
ISCJB 08 01:10:53.2, 0.6, 38.91N, 0.04, 43.58E, 0.06, h10km, 4km, Error ellipse: s-maj=7.6km s-min=5.5km az=24.6
ISC 08 01:10:52.8, 0.9, 38.90N, 0.03, 43.61E, 0.04, h10km, 7km, n25, c073/34, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VMUR Van-Muradiye, ERVC ERGIS-VAN, VANS Van, VNB Van, VNB Van, TVAN Van, TVAN Van, TVAN Van, CLDR Caldiran, CLDR Caldiran, CLDR Caldiran, CLDR Caldiran, CLDR Caldiran, DYDN Diyadin, DYDN Diyadin, DYDN Diyadin, AGRB Hanur-Agry, AGRB Hanur-Agry, TASS TABSURUN-IGDIR, TASS TABSURUN-IGDIR, TASS TABSURUN-IGDIR, CUKT Kukurca, CUKT Kukurca, VRTB Varto-Mus, VRTB Varto-Mus, SENK Senkaya-Erzuru, SENK Senkaya-Erzuru.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BNGB Bing'li, BINT Bingol, YEDI Yedisu-Bingol, YEDI Yedisu-Bingol.

NIED 08 01:21:00.25, 90N, 128.50E, h11km, Mw4.0 Best double couple: M1.070000, 1015, NP1=3.0, NP2=0.0, NP3=0.0, NP4=0.0, NP5=0.0, NP6=0.0, NP7=0.0, NP8=0.0, NP9=0.0, NP10=0.0, NP11=0.0, NP12=0.0, NP13=0.0, NP14=0.0, NP15=0.0, NP16=0.0, NP17=0.0, NP18=0.0, NP19=0.0, NP20=0.0, NP21=0.0, NP22=0.0, NP23=0.0, NP24=0.0, NP25=0.0, NP26=0.0, NP27=0.0, NP28=0.0, NP29=0.0, NP30=0.0, NP31=0.0, NP32=0.0, NP33=0.0, NP34=0.0, NP35=0.0, NP36=0.0, NP37=0.0, NP38=0.0, NP39=0.0, NP40=0.0, NP41=0.0, NP42=0.0, NP43=0.0, NP44=0.0, NP45=0.0, NP46=0.0, NP47=0.0, NP48=0.0, NP49=0.0, NP50=0.0, NP51=0.0, NP52=0.0, NP53=0.0, NP54=0.0, NP55=0.0, NP56=0.0, NP57=0.0, NP58=0.0, NP59=0.0, NP60=0.0, NP61=0.0, NP62=0.0, NP63=0.0, NP64=0.0, NP65=0.0, NP66=0.0, NP67=0.0, NP68=0.0, NP69=0.0, NP70=0.0, NP71=0.0, NP72=0.0, NP73=0.0, NP74=0.0, NP75=0.0, NP76=0.0, NP77=0.0, NP78=0.0, NP79=0.0, NP80=0.0, NP81=0.0, NP82=0.0, NP83=0.0, NP84=0.0, NP85=0.0, NP86=0.0, NP87=0.0, NP88=0.0, NP89=0.0, NP90=0.0, NP91=0.0, NP92=0.0, NP93=0.0, NP94=0.0, NP95=0.0, NP96=0.0, NP97=0.0, NP98=0.0, NP99=0.0, NP100=0.0

ISCJB 08 01:21:14.5, 0.8, 25.88N, 0.03, 128.43E, 0.03, h29km, 5km, mb4.2/26, MS3.6/4, Error ellipse: s-maj=5.5km s-min=3.6km az=43.9
NEIC 08 01:21:14.2, 1.6, 25.88N, 128.31E, h10km, 9km, mb4.6/11, Error ellipse: s-maj=11.6km s-min=7.1km az=67.0
JMA 08 01:21:15.1, 0.3, 25.91N, 128.45E, h47km, 5km, M3.6
IDC 08 01:21:20.0, 4.7, 25.86N, 128.26E, h54km, 43km, mb3.8/18, mb1.4/0.19, mb1mx3.8/53, mbtmp4.1/19, ML3.0/2, MS3.5/5, Ms1.3/5, ms1mx2.9/56, Error ellipse: s-maj=24.2km s-min=13.6km az=73.0

ISC 08 01:21:13.4, 1.5, 25.38N, 0.04, 128.47E, 0.04, h10km, 9km, n78, c137/90, mb4.3/26, MS3.6/4, 2C, Ruyuku Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JJT2 Tamagusuku 2, JJT2 Nagatoyohara, JOW Kunigami, JOW Kunigami, JOW Iheya, JIH Aguni-jima, JAGN Aguni-jima, JAGN Okinoerabujima, JOKE JOKE, JOKE Kume jima 2, JTK Tokunoshima, JAMN Amaminishikomi, JAMN Minamidaito 2, JMZ Amami Oshima, JAM Amami Oshima, JAM Amami Oshima, JZK Kaikashima, JZK Kaikashima, JIK Ikekajima, JIK Ikekajima, JIRB Iwabujima, JIRB Iwabujima, JTAJ Takarajima, JTAJ Tarama, JTK Ishigakijima, JTK Ishigakijima, YNCB Ninganchiao, YNCB Ninganchiao, YULB Yeheng, YULB Yeheng, SSSL Suanglung, SSSL Suanglung, JNU Nakatsu, JNU Nakatsu, KRSR Korea Array, KRSR Korea Array, JSRS Mitsune, JSRS Mitsune, CBJ Chichi jima, CBJ Chichi jima, MJAR Matsushiro Arr, MJAR Matsushiro Arr, BJT Baijiatuu, BJT Baijiatuu.

USRK Uursiysk Arr, 18.52 8 P 0.3mm, 0.3s, baz=162, slow=5.5, SNR=8.8
DAV Davao City (W), 18.89 189 eP 303mm, 0.4s

SONA Songoing Array, 27.98 327 eP 3.2mm, 1.0s
SONM Songoing Array, 27.98 327 eP 1.4mm, 0.7s, baz=139, slow=1.1, SNR=12

SONM Songoing Array, 27.98 327 eP 4.4mm, 0.7s, baz=161, slow=4.0
SONM Songoing Array, 27.98 327 eP 2.9mm, 0.5s, baz=109, slow=8.5, SNR=3.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SNAI Chiang Mai Arr, MK01 Makanchi Array, MK01 Makanchi Array, MK02 Makanchi Array, MK02 Makanchi Array, MK03 Makanchi Array, MK03 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, ZALV Zalesovo Beam, ZAA1 Zalesovo Array, KURK Kurchatov, KURB Kurchatov Arr, TIXI Tikai, WRI Warrungarra Arr, WRA Warrungarra Arr, WBA Warrungarra Arr, ASAR Alice Springs, ASO1 Alice Springs, BRVK Borovoye, KBL Kabul, STKA Stephens Creek, STKA Stephens Creek, IMAR Indian Mountain, MDM Murphy Dome, WRH Wood River Hill, ILAR Eielson Array, ILB Eielson Array, INK Inuvik, KBZ Khabaz, FIAO FINESS Array, FINES FINESS Array, AKASE Malin Array, AKAB Malin Array, BR101 Keskin Array, BRTR Keskin Array, HFS Hagfors, HFS Hagfors, BURB Bucovina Array, BURB Bucovina Array, CN2 Changchun, CN2 Changchun, NB200 NORSAR Array, NB200 NORSAR Array, NB200 NORSAR Array, RAR Rarotonga, RAR Rarotonga, GERES GERES Array, GERES GERES Array, PD31 Pinedale Array, PDAR Pinedale Array.

ASAR Alice Springs, 49.51 173 P 2.9mm, 0.5s, baz=36, slow=8.5, SNR=30

ASO1 Alice Springs, 49.52 173 eP 1.6mm, 0.6s, baz=272, slow=8.0, SNR=7.1

BRVK Borovoye, 50.76 319 eP 7.8mm, 1.2s

KBL Kabul, 51.45 295 eP 2.4mm, 0.6s

STKA Stephens Creek, 58.76 167 eP 1.5mm, 0.7s, baz=38, slow=16, SNR=4.8

STKA Stephens Creek, 58.76 167 eP 4.9mm, 0.5s, baz=67, slow=6.1, SNR=5.1

IMAR Indian Mountain, 61.72 27 eP 19m, 1.7s

MDM Murphy Dome, 64.07 28 eP 19m, 1.7s

WRH Wood River Hill, 64.18 29 eP 19m, 1.7s

ILAR Eielson Array, 64.66 28 P 0.9mm, 0.3s, baz=274, slow=5.2, SNR=5.1

ILB Eielson Array, 64.66 28 eP 0.9mm, 0.3s, baz=274, slow=5.2, SNR=5.1

INK Inuvik, 69.15 23 P 0.6s, baz=314, 81.04, 7.7SNR=6.4

KBZ Khabaz, 69.56 310 P 2.9mm, 0.8s, baz=145, slow=6.4, SNR=6.3

FIAO FINESS Array, 73.29 331 eP 4.8mm, 1.0s, baz=96, slow=4.8, SNR=8.0

FINES FINESS Array, 73.29 331 eP 4.8mm, 1.0s, baz=96, slow=4.8, SNR=8.0

AKASE Malin Array, 75.95 320 eP 1.1mm, 1.4s

AKAB Malin Array, 75.95 320 eP 1.1mm, 1.4s

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, ASAR Alice Springs, WRA Warrungarra Arr.

IDC 08 01:32:48.2, 1.6, 37.39S, 78.26E, h0km, mb3.9/4, mb1.4/2.4, mb1mx3.6/46, mbtmp3.9/4, MS3.8/15, Ms1.3/5, ms1mx3.5/47, Error ellipse: s-maj=50.5km s-min=29.4km az=128.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H01W2 Cape Leeuwin H, H01W3 Cape Leeuwin H, H01W2 Cape Leeuwin H, H0S1 Diego Garcia H, H0S1 Diego Garcia H, MAW Mawson, NWAO Nitrogen (SRD), FITZ Fitzroy Cross, MATP Matopo, SUR Sutherland, ASAR Alice Springs, ASAR Alice Springs, LSZ Lusaka, WRA Warrungarra Arr, WRA Warrungarra Arr, STKA Stephens Creek, STKA Stephens Creek, KMBO Kilima Bogoo, SNAK Sanae, MBAR Mbarara, CMAR Chiang Mai Arr, ATD Arta Tunnel, TORO Torodi Arr, DBIC Dimbrok, KEST Kesra.

NIED 08 01:37:00.26, 60N, 127.80E, h41km, Mw4.0 Best double couple: M9.85000, 1014, NP1=2.3, NP2=0.0000, NP3=0.0000, NP4=0.0000, NP5=0.0000, NP6=0.0000, NP7=0.0000, NP8=0.0000, NP9=0.0000, NP10=0.0000, NP11=0.0000, NP12=0.0000, NP13=0.0000, NP14=0.0000, NP15=0.0000, NP16=0.0000, NP17=0.0000, NP18=0.0000, NP19=0.0000, NP20=0.0000, NP21=0.0000, NP22=0.0000, NP23=0.0000, NP24=0.0000, NP25=0.0000, NP26=0.0000, NP27=0.0000, NP28=0.0000, NP29=0.0000, NP30=0.0000, NP31=0.0000, NP32=0.0000, NP33=0.0000, NP34=0.0000, NP35=0.0000, NP36=0.0000, NP37=0.0000, NP38=0.0000, NP39=0.0000, NP40=0.0000, NP41=0.0000, NP42=0.0000, NP43=0.0000, NP44=0.0000, NP45=0.0000, NP46=0.0000, NP47=0.0000, NP48=0.0000, NP49=0.0000, NP50=0.0000, NP51=0.0000, NP52=0.0000, NP53=0.0000, NP54=0.0000, NP55=0.0000, NP56=0.0000, NP57=0.0000, NP58=0.0000, NP59=0.0000, NP60=0.0000, NP61=0.0000, NP62=0.0000, NP63=0.0000, NP64=0.0000, NP65=0.0000, NP66=0.0000, NP67=0.0000, NP68=0.0000, NP69=0.0000, NP70=0.0000, NP71=0.0000, NP72=0.0000, NP73=0.0000, NP74=0.0000, NP75=0.0000, NP76=0.0000, NP77=0.0000, NP78=0.0000, NP79=0.0000, NP80=0.0000, NP81=0.0000, NP82=0.0000, NP83=0.0000, NP84=0.0000, NP85=0.0000, NP86=0.0000, NP87=0.0000, NP88=0.0000, NP89=0.0000, NP90=0.0000, NP91=0.0000, NP92=0.0000, NP93=0.0000, NP94=0.0000, NP95=0.0000, NP96=0.0000, NP97=0.0000, NP98=0.0000, NP99=0.0000, NP100=0.0000

ISCJB 08 01:37:25.0, 2.6, 60N, 0.03, 127.81E, 0.03, h57km, 2km, mb4.3/27, MS3.7/5, Error ellipse: s-maj=6.2km s-min=3.4km az=137.2

JMA 08 01:37:26.0, 2.6, 63N, 127.77E, h44km, 3km, M3.9 JMA Felt II J1

NEIC 08 01:37:27.1, 0.6, 26.64N, 127.81E, h55km, 6km, mb4.6/12, Error ellipse: s-maj=8.4km s-min=7.2km az=12.1

NEIC Felt (III) at Okinawa and (II) at Chitan. Also felt at Ginowan, Gushikawa, Ishikawa, Naha and Yonitan. Recorded (2 JMA) at Okinawa.

IDC 08 01:37:37.6, 4.4, 26.42N, 127.26E, h146km, 43km, mb3.6/13, mb1.3/7.14, mb1mx3.4/53, mbtmp3.9/4, MS3.5/5, Ms1.3/5, ms1mx3.0/41, Error ellipse: s-maj=35.5km s-min=11.0km az=70.0

ISC 08 01:37:26.0, 2.6, 59N, 0.04, 127.83E, 0.04, h55km, 5km, n86, c1947/101, mb4.3/27, MS3.6/5, Ruyuku Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JNTH Nagatoyohara, JNTH Nagatoyohara, JJT2 Tamagusuku 2, JJT2 Tamagusuku 2, JIH Iheya, JOW Kunigami, JOW Kunigami, JOW Kunigami, JAGN Aguni-jima, JAGN Aguni-jima, JOKE Okinoerabujima, JOKE Okinoerabujima, JTK Tokunoshima, JTK Tokunoshima, JAMN Amaminishikomi, JAMN Amaminishikomi, JAMN Amami Oshima, JAMN Amami Oshima, JZK Kaikashima, JZK Kaikashima, JTAJ Takarajima, JTAJ Takarajima, JIKM Ikekajima, JIKM Ikekajima, JIRB Iwabujima, JIRB Iwabujima, JIMZ Minamidaito 2, JIMZ Minamidaito 2, JTK Tarama, JTK Tarama, JNN Nakanoshima, JNSG Ishigakijima, JNSG Ishigakijima, JIKS Kurchatov, JIKS Kurchatov, YON Yonaguni jima, YON Yonaguni jima, JACB Ninganchiao, JACB Ninganchiao, SSSL Suanglung, SSSL Suanglung, JNU Nakatsu, JNU Nakatsu, TPUB Ta-pu, TPUB Ta-pu, NJ2 Nanjing, NJ2 Nanjing, KRSR Korea Array, KRSR Korea Array, CN2 Changchun, CN2 Changchun, XAN Xi'an, XAN Xi'an, XAN Xi'an, MDJ Mudanjiang, MDJ Mudanjiang, MDJ Mudanjiang, GYA Guiyang, GYA Guiyang, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te.

IDC 08 01:24:36.0, 61.0, 20.26S, 179.81E, h0km, mb3.8/3, mb1.4/0.3, mb1mx3.5/37, mbtmp3.8/3, Error ellipse:



MMRI	Maumere	0.94 338	P	Pn	02 42 11.9 +2.8
MMRI	Maumere	0.94 338	ePn	Sn	02 42 25.8 +3.5
MMRI	Maumere	0.94 338	eSn	Pn	02 42 11.9 +2.8
EDFI	Ende, Flores	1.17 311	P	Sn	02 42 23.9 +1.6
SOEI	Soe	1.67 98	P	Pn	02 42 14.0 +1.9
SOEI	Soe	1.67 98	S	Pn	02 42 22.5 +3.7
SOEI	Soe	1.67 98	Pn	Sn	02 42 22.5 +3.7
SOEI	Soe	1.67 98	eSn	Pn	02 42 19.2 +0.4
SOEI	Soe	1.67 98	Pn	Sn	02 42 41.2 +1.7
BASI	Bau, Sumba	2.10 250	P	Pn	02 42 26.1 +1.7
BASI	Bau, Sumba	2.10 250	P	Sn	02 42 55.2 +4.9
WSI	Waingapu	2.26 286	P	Pn	02 42 28.5 +1.9
WSI	Bau Bau, Buton	3.94 328	P	Pn	02 42 55.7 +2.2
BSSI	Bau Bau	4.00 360	P	Pn	02 43 38.7 +4.2
BSSI	Bau Bau	4.00 360	P	Sn	02 43 55.2 +4.9
PLAI	Pampang	4.00 278	P	Pn	02 43 03.1 +1.9
PLAI	Pampang	4.00 278	P	Sn	02 43 55.0 -0.5
KDI	Kendari	5.52 0	P	Pn	02 43 15.6 +4.5
BNSI	Bone	5.52 0	P	Pn	02 43 18.3 +5.5
TWSI	Taliwang, Sumb	5.69 277	P	Pn	02 43 15.3 +2.0
TWSI	Taliwang, Sumb	5.69 277	P	Sn	02 44 17.3 0.0
SPSI	Sidrap Palu	6.18 333	P	Pn	02 43 24.9 +4.8
TNSI	Tana Toraja	6.99 337	P	Pn	02 43 40.4 +9.2
DNP	Denpasar	7.33 276	P	Pn	02 43 47.4 +1.2
SGBI	Singaraja	7.43 280	P	Pn	02 43 47.9 +0.7
NLAI	Namlea	7.68 36	P	Pn	02 43 47.9 +7.3
NLAI	Namlea	7.68 36	S	Pn	02 45 17.0 +1.1
AAI	Ambon	8.03 44	P	Pn	02 43 56.3 +1.1
SANI	Sanana	8.15 25	P	Pn	02 43 52.3 +5.3
JAGI	Jajag, Banyuw	8.40 276	P	Pn	02 43 48.7 -1.7
JAGI	Jajag, Banyuw	8.40 276	S	Pn	02 45 18.9 +4.8
JAGI	Jajag, Banyuw	8.40 276	ePn	Pn	02 43 48.2 -2.2
JAGI	Jajag, Banyuw	8.40 276	eSn	Pn	02 45 22.5 -1.2
LUWI	Luwuk	8.42 1	P	Pn	02 43 56.4 +5.7
LUWI	Luwuk	8.42 1	Pn	Pn	02 43 47.9 -2.8
AFSI	Ampang	8.60 354	P	Pn	02 43 58.2 +5.1
SAJU	Saumlaki	8.74 81	ePn	Pn	02 43 51.4 +3.6
SAJU	Saumlaki	8.74 81	eSn	Pn	02 44 03.6 -1.6
MSAI	Masohi	8.79 46	P	Pn	02 44 03.3 +7.6
KMMI	Kaliangton	8.88 285	P	Pn	02 43 59.7 +2.8
MTN	Manton Dam	9.01 112	P	Pn	02 43 57.9 -0.9
MTN	Manton Dam	9.01 112	ePn	Pn	02 43 58.1 -0.7
MTN	Manton Dam	9.01 112	eSn	Pn	02 45 31.7 -7.0
FITZ	Fitzroy Crossi	9.04 161	Pn	Pn	02 43 57.2 -1.9
FITZ	Fitzroy Crossi	9.04 161	Pn	Sn	02 45 31.1 -8.2
FITZ	Fitzroy Crossi	9.04 161	Pn	Sn	02 44 18.0 +6.4
FITZ	Fitzroy Crossi	9.04 161	Pn	Sn	02 44 19.0 +5.6
FITZ	Fitzroy Crossi	9.04 161	Pn	Sn	02 44 19.5 +5.2
FITZ	Fitzroy Crossi	9.04 161	Pn	Sn	02 44 14.8 -0.2
MRSI	Marisa	9.95 356	P	Pn	02 44 18.1 +7.0
LBMI	Labuha	10.08 29	P	Pn	02 44 19.0 +5.6
MPSI	Mapaga	10.15 345	P	Pn	02 44 19.5 +5.2
KDU	Kakadu	10.20 109	P	Pn	02 44 14.8 -0.2
MTKI	Muara Tehew, K	11.45 318	P	Pn	02 44 39.1 +7.0
FAKI	Fak Fak	11.62 56	P	Pn	02 44 30.7 +2.5
FAKI	Fak Fak	11.62 56	ePn	Pn	02 44 35.5 +1.0
FAKI	Fak Fak	11.62 56	eSn	Pn	02 45 42.7 +0.1
MBWA	Marble Bar	11.90 193	ePn	Pn	02 44 35.4 -2.8
MBWA	Marble Bar	11.90 193	eSn	Pn	02 46 40.4 -8.9
UGM	Wanagama	12.03 277	P	Pn	02 44 39.4 +0.7
UGM	Wanagama	12.03 277	ePn	Pn	02 44 38.9 -1.2
UGM	Wanagama	12.03 277	eSn	Pn	02 46 41.0 -1.2
UGM	Wanagama	12.03 277	P	Pn	02 45 40.0 -1.0
TSM	Tawau	14.50 341	P	Pn	02 45 18.9 +1.1
STKI	Sintang	14.59 310	P	Pn	02 45 21.7 +2.9
CISI	Cisompot, Garu	14.74 276	ePn	Pn	02 45 15.1 -1.1
CISI	Cisompot, Garu	14.74 276	eSn	Pn	02 45 13.4 -2.8
CISI	Cisompot, Garu	14.74 276	Pn	Sn	02 47 53.8 -4.8
CISI	Cisompot, Garu	14.74 276	Pn	Sn	02 45 20.6 -0.9
MYLDM	Lahad Datu	15.15 344	ePn	Pn	02 45 28.8 +3.7
MYLDM	Lahad Datu	15.15 344	P	Pn	02 45 21.6 -1.9
GIRL	Giralla	15.31 211	P	Pn	02 45 19.9 -4.4
WRA	Warramunga Arr	15.37 134	Pn	Pn	02 47 57.3 -1.6
WRA	Warramunga Arr	15.37 134	Pn	Sn	02 52 31.6
WRA	Warramunga Arr	15.37 134	Pn	LR	02 52 31.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 19.9 -4.4
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 47 57.3 -1.6
WRA	Warramunga Arr	15.37 134	Pn	Pn	02 52 31.6
WRA	Warramunga Arr	15.37 134	Pn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	Pn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	02 45 20.7 -3.6
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 47 59.5 -1.4
WRA	Warramunga Arr	15.37 134	ePn	Pn	02 45 20.0 -4.3
WRA	Warramunga Arr	15.37 134	eSn	Pn	











8d 2h

2011 NOV

Table with columns for station name, frequency, power, and other technical details. Includes stations like SONM, SONM1, SONM2, etc.

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

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



Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like WSAR Wadi Sarin, WSAW Wadi Sarin, WSAW Wadi Sarin, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like COLA College, CCB Clear Creek Bu, CCB Seward, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like KIV SNR=317, KIV SNR=317, KIV SNR=317, etc.









Table with columns: DRUM, IAMS\_20, IAMS\_20, 03 49 36.2, and various horse names and statistics.

Table with columns: YBH, Yreka Blue Hor, 86.73 44 eP, P, 03 11 27.5 +0.4, and various horse names and statistics.

Table with columns: ORV, Oroville, 88.72 45 eP, P, 03 11 35.9 -0.6, and various horse names and statistics.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like BOZ Bozeman (W), BOZ Bozeman (W), BOZ comp-Z, 2um, 1.6s, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like GZU Grizzly Peak, PPT Papeete, PPT Papeete, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like HEC Hector, Ludlow, WCU Willow Creek, WCU SNO, etc.

Table with columns: ID, Name, Date, Time, Az, El, Status, and other details. Includes entries like Red Feather La, AnnSam, Waubun, Hecla, Paradox Valley, etc.

Table with columns: ID, Name, Date, Time, Az, El, Status, and other details. Includes entries like EROS Data Cent, EROS Data Cent, St. Michael, Hinrichs Farm, etc.

Table with columns: ID, Name, Date, Time, Az, El, Status, and other details. Includes entries like Cedar Bluff, Lincoln, Norwalk, Decorah, Hebron, Beja, etc.

R35A	baz=315,SNR=10.0	103.87	33	P	Pdfl	03 12 44.9	-0.3
N40A	Mertquaque, Sal baz=326,SNR=6.7	103.88	28	P	Pdfl	03 12 44.4	-0.8
M14A	Milan	103.91	27	P	Pdfl	03 12 44.6	-0.7
S34A	Willow Spring baz=327,SNR=7.2	103.92	34	P	Pdfl	03 12 45.1	-0.3
L43A	Garden Prairie baz=329	103.94	26	P	Pdfl	03 12 44.0	-1.4
U32A	Winter Ranch, baz=320	103.97	36	P	Pdfl	03 12 45.3	-0.4
O39A	Kirkville baz=326,SNR=8.5	103.99	29	P	Pdfl	03 12 45.4	-0.3
P38A	Dawn baz=325,SNR=7.4	104.07	30	P	Pdfl	03 12 45.3	-0.7
M42A	Sheffield baz=328	104.16	27	P	Pdfl	03 12 44.9	-1.5
R36A	Gordon, Harris baz=323,SNR=7.5	104.20	32	P	Pdfl	03 12 46.4	-0.3
Q37A	Longview Farm, baz=324	104.26	31	P	Pdfl	03 12 45.4	-1.5
L44A	Lake County Fo baz=330	104.25	26	P	Pdfl	03 12 45.6	-1.2
S35A	Otter Creek Ra baz=323,SNR=5.6	104.32	33	P	Pdfl	03 12 46.6	-0.7
N41A	Harden Midland baz=327,SNR=6.1	104.33	28	P	Pdfl	03 12 46.3	-0.9
O40A	La Belle baz=326,SNR=16	104.39	29	P	Pdfl	03 12 46.8	-0.6
T34A	McCleary Farm baz=322	104.41	34	P	Pdfl	03 12 46.9	-0.7
M43A	Waltham Townsh baz=322	104.49	26	P	Pdfl	03 12 46.6	-1.3
P39B	Salisbury baz=329,SNR=7.1	104.53	30	P	Pdfl	03 12 47.5	-0.5
R37A	Teagarden Farm baz=324	104.53	32	P	Pdfl	03 12 46.6	-1.5
Q38A	Cooks Store, C baz=325,SNR=19	104.57	31	P	Pdfl	03 12 47.8	-0.5
N42A	Yates City baz=328,SNR=6.1	104.57	27	P	Pdfl	03 12 46.7	-1.6
S36A	Lake Cedric, C baz=323	104.64	33	P	Pdfl	03 12 48.0	-0.7
Q39A	Willow Grove F baz=325,SNR=9.3	104.79	30	P	Pdfl	03 12 48.8	-0.5
P40A	Paris baz=326,SNR=8.0	104.80	29	P	Pdfl	03 12 49.1	-0.3
SADO	Sadowa comp=Z,1.9nm,0.8s,baz=282,slow=22,SNR=5.6	104.81	18	Sdiff	PKISac	03 23 06.7	-0.3
SADO					PKKbPbc	03 28 31.8	-0.7
O41A	Passleys Farm, baz=327,SNR=8.1	104.82	28	P	Pdfl	03 12 48.9	-0.4
T35A	Sooner Cattle baz=322	104.83	34	P	Pdfl	03 12 48.9	-0.6
M44A	Midewin, Midew baz=329	104.89	26	P	Pdfl	03 12 49.3	-0.3
S37A	Fort Scott baz=323	104.97	32	P	Pdfl	03 12 49.4	-0.8
T36A	Boogs Farm, Ca baz=322,SNR=7.8	105.02	33	P	Pdfl	03 12 49.9	-0.5
BLWY	Blulaway baz=324	105.04	255	i	PKIKP	03 17 04.8	+0.5
BLWY					iVmb_BB	03 17 06.0	
R38A	Fenwick Farm, baz=324	105.06	31	P	Pdfl	03 12 49.6	-0.9
O42A	Bath baz=328	105.08	28	P	Pdfl	03 12 49.7	-0.8
HDIL	Hopedale baz=328	105.10	27	P	Pdfl	03 12 49.5	-1.1
P41A	Barry, Barry baz=327,SNR=7.7	105.11	29	P	Pdfl	03 12 50.5	-0.2
U35A	Pawnee baz=322	105.14	34	P	Pdfl	03 12 50.2	-0.7
M45A	Boulex Farms S baz=330	105.19	25	P	Pdfl	03 12 50.1	-0.8
Q40A	Lair Farm, Aux baz=326	105.23	30	P	Pdfl	03 12 50.1	-1.1
MATP	Matopo 105.25 255			i	PKIKP	03 17 05.5	+0.7
MATP					iAML	03 17 07.4	
MATP					ADfl	03 12 50.4	-1.3
MATP	comp=Z,41nm,0.9s,baz=56,slow=3.8,SNR=6.2				PKIKP	03 17 06.0	+1.3
MATP	comp=Z,20nm,0.5s,baz=34,slow=1.3,SNR=19				Sdiff	03 23 10.1	
MATP	comp=Z,8.6nm,0.9s,baz=241,slow=22,SNR=15				PKKbPbc	03 28 32.2	+1.6
O43A	Sugar Creek Fa baz=328	105.32	27	P	Pdfl	03 12 50.9	-0.8
WMOK	Wichita Mounta baz=320,SNR=8.3	105.34	37	P	Pdfl	03 12 51.9	+0.1
N44A	Piper City baz=329,SNR=7.2	105.36	26	P	Pdfl	03 12 51.2	-0.6
R39A	Chumby, Stover baz=325	105.36	31	P	Pdfl	03 12 50.5	-1.3
MAW	Mawson comp=Z,34nm,1.0s,baz=34,slow=6.3,SNR=16	105.37	201	Pdfl	PKIKP	03 12 52.3	+1.4
MAW					PKKbPbc	03 17 05.6	+2.3
MAW	comp=Z,20nm,0.7s,baz=49,slow=2.0,SNR=10				PKKbPbc	03 28 29.8	-2.0
MAW	comp=Z,104nm,1.1s,baz=249,slow=4.8,SNR=14				P'Pdfl	03 36 52.2	+2.0
MAW	comp=Z,7.2nm,1.0s,baz=344,slow=2.0,SNR=5.5				eP	03 12 52.2	+1.3
MAW					ePdif	03 12 52.2	+1.3
MAW					ePKIKP	03 17 06.7	+3.3
MAW					ePKIKP	03 28 26.5	-3.2
MAW					eP'Pdfl	03 12 51.4	-0.8
T37A	Cheneyville 18 baz=323,SNR=15	105.44	33	P	Pdfl	03 12 51.0	-1.4
P42A	Winchester baz=323,SNR=5.8	105.49	28	P	Pdfl	03 12 51.6	-0.8
M46A	Old House Fiel baz=331	105.51	24	P	Pdfl	03 12 51.6	-0.8
S38A	Stockton baz=324	105.51	32	P	Pdfl	03 12 51.1	-1.5
N45A	Kentland baz=330,SNR=8.8	105.55	26	P	Pdfl	03 12 52.3	-0.4
V35A	Meyer Ranch, C baz=322	105.56	35	P	Pdfl	03 12 51.8	-0.9
U36A	Oologah baz=322	105.62	34	P	Pdfl	03 12 51.9	-1.1
Q41A	Truxton baz=326,SNR=9.3	105.64	29	P	Pdfl	03 12 52.7	-0.3
R40A	Maddies Statio baz=325,SNR=5.9	105.73	30	P	Pdfl	03 12 52.2	-1.2
S39A	Bolivar baz=325	105.74	31	P	Pdfl	03 12 52.4	-1.1
O44A	Mansfield baz=329	105.78	27	P	Pdfl	03 12 52.9	-0.8
P43A	Skaggs, Pawnee baz=328	105.78	28	P	Pdfl	03 12 52.6	-1.1
N46A	Monticello baz=330	105.81	25	P	Pdfl	03 12 53.0	-0.7
T38A	Diamond baz=324	105.81	32	P	Pdfl	03 12 52.8	-1.1
U37A	Salina baz=323	105.92	33	P	Pdfl	03 12 53.0	-1.4
Q42A	Golden Eagle baz=327,SNR=7.2	105.97	29	P	Pdfl	03 12 54.2	-0.3
TUL1	Leonard baz=322	105.97	34	P	Pdfl	03 12 54.0	-0.6
O45A	Potomac baz=330,SNR=16	105.99	26	P	Pdfl	03 12 53.9	-0.6
V36A	Jenks baz=322	106.00	34	P	Pdfl	03 12 53.9	-0.6
W35A	Tecumseh baz=321	106.02	35	P	Pdfl	03 12 54.0	-0.8
R41A	Rosebud baz=326,SNR=6.7	106.11	30	P	Pdfl	03 12 53.9	-1.3
SFIN	Lafayette baz=330	106.12	26	P	Pdfl	03 12 53.9	-1.3
S40A	Lebanon baz=325	106.19	31	P	Pdfl	03 12 54.7	-0.8
U38A	Gravette baz=324	106.24	33	P	Pdfl	03 12 55.1	-0.7
T39A	Cleveland baz=324	106.25	32	P	Pdfl	03 12 54.2	-1.6
P44A	Sand Creek, Wi baz=329	106.30	27	P	Pdfl	03 12 55.2	-0.8
Q43A	New Douglas baz=328	106.30	28	P	Pdfl	03 12 55.3	-0.7
V37A	Hubert baz=323,SNR=6.5	106.32	34	P	Pdfl	03 12 55.6	-0.5
W36A	Wetumka baz=322	106.36	35	P	Pdfl	03 12 55.8	-0.5
R42A	Luebbering baz=327,SNR=8.0	106.39	29	P	Pdfl	03 12 55.7	-0.6
TX31	Lajitas Ar. Si	106.50	44	ePdif	Pdfl	03 12 57.9	+0.7
LTX	Lajitas	106.50	44	ePdif	Pdfl	03 12 57.5	+0.3
LTX	Lajitas	106.50	44	ePKIKP	PKIKP	03 17 07.4	+0.5
LTX	Lajitas			ePKIKP	PKIKPbc	03 28 28.5	+1.5
LTX	Lajitas			eP'Pdfl	P'Pdfl	03 36 45.9	-6.9
TXAR	Lajitas Array comp=Z,11nm,0.7s,baz=290,slow=3.1,SNR=16.5	106.50	44	Pdfl	PKIKP	03 12 57.5	+0.3
TXAR					PKIKP	03 17 07.4	+0.5
TXAR	comp=Z,48nm,1.0s,baz=204,slow=1.9,SNR=33				PKKbPbc	03 28 28.5	+1.5
TXAR	comp=Z,24nm,1.0s,baz=144,slow=4.5,SNR=12				P'Pdfl	03 36 45.9	-6.9
TXAR	comp=Z,1.6nm,1.0s,baz=157,slow=3.5,SNR=8.8				P'Pdfl	03 36 45.9	-6.9
S41A	Jillico Farms, baz=326	106.54	30	P	Pdfl	03 12 56.6	-0.6
T40A	Mansfield baz=325	106.55	31	P	Pdfl	03 12 56.6	-0.5
X35A	Drake baz=321	106.56	36	P	Pdfl	03 12 56.9	-0.3
O47A	Sheridan baz=328	106.59	25	P	Pdfl	03 12 55.7	-1.5
Q44A	Meyer Farm, Va baz=328	106.62	28	P	Pdfl	03 12 56.2	-1.1
V38A	Canehill baz=323,SNR=8.4	106.69	33	P	Pdfl	03 12 57.0	-0.8
U39A	Green Forest baz=324	106.72	32	P	Pdfl	03 12 57.3	-0.6
P46A	Rosedale baz=330	106.73	26	P	Pdfl	03 12 57.4	-0.5
X36A	Centrahoma baz=322	106.74	35	P	Pdfl	03 12 57.4	-0.7
VNDA	Vanda comp=Z,1.5nm,0.3s,baz=313,slow=6.0,SNR=11	106.75	172	Pdfl	PKIKP	03 12 57.6	+0.7
VNDA					PKIKP	03 17 08.2	+2.4
VNDA	comp=Z,1.8nm,0.4s,baz=318,slow=3.5,SNR=9.5				PKKbPbc	03 28 26.9	-0.8
VNDA	comp=Z,15nm,1.0s,baz=203,slow=1.2,SNR=12				SKKbPbc	03 31 50.2	-1.1
VNDA	comp=Z,5.5nm,0.8s,baz=240,slow=3.1,SNR=5.5				SKKbPbc	03 31 50.2	-1.1
VNDA	Vanda 106.75 172			ePdif	Pdfl	03 12 59.1	+2.2
VNDA	Vanda 106.75 172			ePdif	Pdfl	03 12 59.1	+2.2
R43A	Red Bud baz=327	106.76	29	P	Pdfl	03 12 57.7	-0.4
W37B	Quinton baz=322	106.76	34	P	Pdfl	03 12 57.9	-0.2
S42A	Caledonia baz=327,SNR=9.4	106.81	30	P	Pdfl	03 12 57.9	-0.4
Y35A	Marietta baz=321	106.90	36	P	Pdfl	03 12 58.8	+0.1
T41A	Mountain View baz=326	106.98	31	P	Pdfl	03 12 58.2	-0.9
U40A	Yellville baz=325,SNR=9.0	107.04	32	P	Pdfl	03 12 58.0	-1.3
V39A	Pettigrew baz=324	107.08	33	P	Pdfl	03 12 58.7	-0.9
R44A	Waltonville baz=328	107.14	28	P	Pdfl	03 12 59.5	-0.2
P47A	Martinsville baz=331	107.21	25	P	Pdfl	03 12 59.0	-1.0
X37A	Clayton baz=322	107.23	35	P	Pdfl	03 12 59.2	-1.0
W38A	Poteau baz=323	107.27	34	P	Pdfl	03 12 59.6	-0.8
S43A	Fulton Ridge, baz=327	107.29	29	P	Pdfl	03 12 59.6	-0.8
Y36A	Durant baz=322	107.30	36	P	Pdfl	03 13 00.2	-0.3
X38A	Whitesboro baz=323	107.44	34	P	Pdfl	03 12 59.3	-1.8
U41A	Viola baz=326	107.48	31	P	Pdfl	03 12 59.6	-1.7
V40A	Witts Springs baz=325	107.50	32	P	Pdfl	03 13 00.6	-0.9
W39A	Magazine baz=322	107.53	33	P	Pdfl	03 13 00.8	-0.7
S44A	Carbondale baz=328,SNR=9.6	107.54	28	P	Pdfl	03 13 00.8	-0.7



SSLB Suanglung	comp=Z,160nm,1.5s	20.34 253 eP	P	03 18 26.1 +0.3
SSLB TWG	comp=Z,75nm,1.0s	20.69 251 eP	S Pn	03 22 10.5 -2.1 03 18 35.0 +2.9
TPUB Ta-pu	comp=Z,703nm,1.6s	20.83 252 eP	P	03 18 29.9 -1.2
TPUB BJJ	comp=Z,116nm,1.3s	22.79 299 eP	pP	03 18 38.6 +0.2
BJT Baijiatatau	comp=Z,62nm,2.5s	22.79 299 eP	P	03 18 52.1 +0.1
BJT	comp=Z,83nm,1.2s	22.79 299 eP	P	03 18 53.9 +1.9
BJT Baijiatatau	comp=Z,83nm,1.2s	22.79 299 eP	P	03 18 53.9 +1.9
H11N2 WAKE ISLAND Hy 25.03 112	baz=290,slow=74,SNR=1	T	T	03 44 59.5
H11N1 WAKE ISLAND Hy 25.03 112	baz=290,slow=74,SNR=12	T	T	03 45 04.1
H11N3 WAKE ISLAND Hy 25.05 112	baz=290,slow=74,SNR=14	T	T	03 44 57.5
H11S3 WAKE ISLAND Hy 25.55 115	baz=292,slow=75,SNR=12	T	T	03 45 37.5
H11S1 WAKE ISLAND Hy 25.55 114	baz=292,slow=75,SNR=12	T	T	03 45 36.9
H11S2 WAKE ISLAND Hy 25.56 114	baz=292,slow=75,SNR=14	T	T	03 45 35.8
HHC Hu-ho-hao-te	comp=Z,28nm,1.6s	26.40 299 eP	P	03 19 28.0 +2.1
HHC Xi'an	comp=Z,28nm,1.6s	28.10 284 pP	pP	03 19 41.8 +0.7 03 19 50.5 +1.5
XAN Ulanabaatar	comp=Z,46nm,2.1s	31.36 312 eP	pP	03 20 11.8 +1.9
ULN	comp=Z,72nm,2.5s	31.36 312 eP	pP	03 20 11.8 +1.9
GYA Guiyang	comp=Z,27nm,2.5s	31.45 270 eP	pP	03 20 12.0 +1.0 03 20 21.6 -0.6 03 21 15.8 +1.6 03 23 05.0 +1.1 03 25 14.2 -3.3 03 25 33.4 +2.9 03 26 44.8 -0.4 03 27 04.0 +1.2
GYA	comp=Z,20nm,0.8s	31.45 270 eP	pP	03 20 12.0 +1.0 03 20 21.6 -0.6 03 21 15.8 +1.6 03 23 05.0 +1.1 03 25 14.2 -3.3 03 25 33.4 +2.9 03 26 44.8 -0.4 03 27 04.0 +1.2
GYA	comp=Z,570nm,17.4s	31.45 270 eP	pP	03 20 12.0 +1.0 03 20 21.6 -0.6 03 21 15.8 +1.6 03 23 05.0 +1.1 03 25 14.2 -3.3 03 25 33.4 +2.9 03 26 44.8 -0.4 03 27 04.0 +1.2
YAK Yakutsk	comp=Z,510nm,17.2s	31.68 349 eP	pP	03 20 12.2 -0.2 03 21 14.8 03 21 25.7 03 23 05.9 03 25 23.7 +3.8
YAK	comp=Z,37nm,1.1s	31.68 349 eP	pP	03 20 12.2 -0.2 03 21 14.8 03 21 25.7 03 23 05.9 03 25 23.7 +3.8
YAK	comp=E,12nm,1.2s	31.68 349 eP	pP	03 20 12.2 -0.2 03 21 14.8 03 21 25.7 03 23 05.9 03 25 23.7 +3.8
YAK	comp=N,19nm,1.4s	31.68 349 eP	pP	03 20 12.2 -0.2 03 21 14.8 03 21 25.7 03 23 05.9 03 25 23.7 +3.8
YAK	comp=Z,18nm,0.6s	31.68 349 eP	pP	03 20 12.2 -0.2 03 21 14.8 03 21 25.7 03 23 05.9 03 25 23.7 +3.8
YAK	comp=N,14nm,0.5s	31.68 349 eP	pP	03 20 12.2 -0.2 03 21 14.8 03 21 25.7 03 23 05.9 03 25 23.7 +3.8
YAK	comp=E,42nm,0.6s	31.68 349 eP	pP	03 20 12.2 -0.2 03 21 14.8 03 21 25.7 03 23 05.9 03 25 23.7 +3.8
YAK	comp=N,8.0nm,0.6s	31.68 349 eP	pP	03 20 12.2 -0.2 03 21 14.8 03 21 25.7 03 23 05.9 03 25 23.7 +3.8
YAK	comp=E,35nm,0.6s	31.68 349 eP	pP	03 20 12.2 -0.2 03 21 14.8 03 21 25.7 03 23 05.9 03 25 23.7 +3.8
YAK	comp=Z,9nm,15.0s	31.68 349 eP	pP	03 20 12.2 -0.2 03 21 14.8 03 21 25.7 03 23 05.9 03 25 23.7 +3.8
YAK	comp=N,12nm,15.0s	31.68 349 eP	pP	03 20 12.2 -0.2 03 21 14.8 03 21 25.7 03 23 05.9 03 25 23.7 +3.8
SONA1 Songino Array	comp=E,5um,15.0s	31.77 311 eP	P	03 20 13.9 +0.4
SONA0 Songino Array	comp=E,17nm,1.0s	31.77 311 eP	P	03 20 14.5 +1.0
SONA0 Songino Array	comp=E,17nm,1.0s	31.77 311 eP	P	03 20 14.5 +1.0
SONM Songino Array	comp=E,5.3nm,0.7s, baz=1179,slow=8.5,SNR=13	31.77 311 eP	P	03 20 03.3 -1.1 03 20 14.5 +1.0
SOMN Songino Array	comp=E,5.3nm,0.7s, baz=1179,slow=8.5,SNR=13	31.77 311 eP	P	03 20 03.3 -1.1 03 20 14.5 +1.0
LZH Lanzhou	comp=E,3.8nm,1.1s, baz=114,slow=3.6,SNR=3.2	32.13 289 eP	pP	03 20 19.0 +2.1 03 20 28.2 +0.1 03 21 08.9 +1.1 03 21 26.0 +3.1
LZH	comp=E,17nm,1.1s	32.13 289 eP	pP	03 20 19.0 +2.1 03 20 28.2 +0.1 03 21 08.9 +1.1 03 21 26.0 +3.1
LZH	comp=E,10um,11.8s	32.13 289 eP	pP	03 20 19.0 +2.1 03 20 28.2 +0.1 03 21 08.9 +1.1 03 21 26.0 +3.1
LZH	comp=E,12um,13.9s	32.13 289 eP	pP	03 20 19.0 +2.1 03 20 28.2 +0.1 03 21 08.9 +1.1 03 21 26.0 +3.1
LZH	comp=E,13um,15.1s	32.13 289 eP	pP	03 20 19.0 +2.1 03 20 28.2 +0.1 03 21 08.9 +1.1 03 21 26.0 +3.1
SEY Seymchan	comp=E,7.2nm,0.8s, baz=203,slow=18,SNR=4.1	32.17 9 eP	P	03 20 17.1 +0.3
CD2 Chengdu	comp=E,7.2nm,0.8s, baz=203,slow=18,SNR=4.1	32.84 279 eP	P	03 20 22.4 -0.6
MYLDM Lahad Datu	comp=E,145nm,1.3s	34.34 225 eP	P	03 20 37.4 +1.3
BILL Bilibino	comp=Z,32nm,2.4s	39.23 14j eP	P	03 21 18.0 +0.8 03 22 50.0 03 27 05.0 -1.1
BILL	comp=Z,32nm,2.4s	39.23 14j eP	P	03 21 18.0 +0.8 03 22 50.0 03 27 05.0 -1.1
BILL	comp=Z,32nm,2.4s	39.23 14j eP	P	03 21 18.0 +0.8 03 22 50.0 03 27 05.0 -1.1
CM31 Chiang Mai Arr	comp=Z,6um,20.0s	41.10 262 eP	P	03 21 32.5 -0.7
CMAR Chiang Mai Arr	comp=Z,6um,20.0s	41.10 262 eP	P	03 21 32.5 -0.7
CM01 Chiang Mai Arr	comp=Z,6um,20.0s	41.10 262 eP	P	03 21 32.5 -0.7
WMQ Urumqi	comp=Z,2.3nm,0.9s, baz=50,slow=7.3,SNR=7.9	44.21 302 eP	pP	03 21 29.8 -3.4 03 22 00.3 +2.0 03 22 10.8 +1.1 03 22 15.0 +8.5
WMQ	comp=Z,2.3nm,0.9s, baz=50,slow=7.3,SNR=7.9	44.21 302 eP	pP	03 21 29.8 -3.4 03 22 00.3 +2.0 03 22 10.8 +1.1 03 22 15.0 +8.5
WMQ	comp=Z,86nm,2.1s	44.21 302 eP	pP	03 21 29.8 -3.4 03 22 00.3 +2.0 03 22 10.8 +1.1 03 22 15.0 +8.5
WMQ	comp=Z,2um,16.7s	44.21 302 eP	pP	03 21 29.8 -3.4 03 22 00.3 +2.0 03 22 10.8 +1.1 03 22 15.0 +8.5
WMQ	comp=Z,3um,14.3s	44.21 302 eP	pP	03 21 29.8 -3.4 03 22 00.3 +2.0 03 22 10.8 +1.1 03 22 15.0 +8.5
COEN Coen	comp=Z,2um,16.3s	45.14 179 eP	P	03 22 06.2 +0.4
ZAA1 Zalesovo Array	comp=Z,46nm,1.1s	46.33 316 eP	P	03 22 16.1 +1.2
ZALV Zalesovo Beam	comp=Z,3.7nm,0.5s, baz=97,slow=5.9,SNR=4.3	46.33 316 eP	P	03 22 49.5 -0.3 03 22 16.1 +1.2
ZALV	comp=Z,3.7nm,0.5s, baz=97,slow=5.9,SNR=4.3	46.33 316 eP	P	03 22 49.5 -0.3 03 22 16.1 +1.2
MK01 Makanchi Array	comp=Z,6.4nm,0.7s, baz=99,slow=3.7,SNR=6.1	47.85 307 eP	P	03 22 27.2 +0.3
MK31 Makanchi Array	comp=Z,6.4nm,0.7s, baz=99,slow=3.7,SNR=6.1	47.85 307 eP	P	03 22 27.2 +0.3
MK31 Makanchi Array	comp=Z,6.4nm,0.7s, baz=99,slow=3.7,SNR=6.1	47.85 307 eP	P	03 22 27.2 +0.3
MK32 Makanchi Array	comp=Z,6.4nm,0.7s, baz=99,slow=3.7,SNR=6.1	47.85 307 eP	P	03 22 27.2 +0.3
MKAR Makanchi Array	comp=Z,6.7nm,0.6s, baz=87,slow=9.4,SNR=34	47.86 307 eP	P	03 22 27.6 +0.6
MAKZ Makanchi	comp=Z,63nm,0.9s	48.07 307 eP	P	03 22 29.0 +0.4
MAKZ	comp=Z,99nm,1.8s	48.07 307 eP	P	03 22 29.0 +0.4
RAMN Ramite	comp=Z,99nm,1.8s	48.37 280 eP	P	03 22 30.0 -1.5
JIRN Jiri	comp=Z,82nm,1.1s	48.48 281 eP	P	03 22 32.7 +0.2
GUN Gumba	comp=Z,112nm,1.0s	48.67 281 eP	P	03 22 34.0 +0.2
PKI Pulchoki	comp=Z,142nm,1.2s	49.17 281 eP	P	03 22 37.3 -0.4
PKIN Pulchoki	comp=Z,142nm,1.2s	49.18 281 eP	P	03 22 37.0 -0.7
BKNI Bangkinang	comp=Z,259nm,0.4s	49.77 284 eP	P	03 22 39.0 -3.0
KURK Kurchatov	comp=Z,439nm,1.7s	50.07 312 eP	P	03 22 42.9 -0.9
KURK Kurchatov	comp=Z,439nm,1.7s	50.07 312 eP	P	03 22 42.9 -0.9
KURB Kurchatov Arra	comp=Z,1.4nm,0.8s, baz=87,slow=7.1,SNR=28	50.13 312 eP	P	03 22 44.5 +0.2
KOLN Koldanda	comp=Z,1.4nm,0.8s, baz=87,slow=7.1,SNR=28	50.62 282 eP	P	03 22 48.6 0.0
KODAK Kodiak Island	comp=Z,41nm,1.0s	50.90 39 eP	P	03 22 49.0 -0.9
KDKAK Kodiak Island	comp=Z,2.0nm,0.9s, baz=304,slow=3.3,SNR=5.9	50.90 39 eP	P	03 22 48.8 -1.2 03 22 48.9 -1.2
KDKAK Kodiak Island	comp=Z,2.0nm,0.9s, baz=304,slow=3.3,SNR=5.9	50.90 39 eP	P	03 22 48.8 -1.2 03 22 48.9 -1.2
PYUN Pyuthan	comp=Z,150nm,1.0s	51.02 282 eP	P	03 22 51.9 +0.3
IMAR Indian Mountain	comp=Z,150nm,1.0s	51.18 28 eP	P	03 22 52.5 +0.6
WPLA Purkeypile	comp=Z,97nm,1.6s	51.44 32 eP	P	03 22 56.0 +1.9
WRAB Tennant Creek	comp=Z,97nm,1.6s	51.65 190 eP	P	03 22 54.3 -1.5
WRAB Tennant Creek	comp=Z,129nm,1.7s	51.63 190 eP	P	03 22 54.8 -1.0
WRAB Tennant Creek	comp=Z,129nm,1.7s	51.63 190 eP	P	03 22 54.8 -1.0
WB2 Warramunga Arr	comp=Z,68nm,0.9s	51.64 190 eP	P	03 22 55.2 -0.7
WR1 Warramunga Arr	comp=Z,68nm,0.9s	51.65 190 eP	P	03 22 54.7 -1.2
WRA Warramunga Arr	comp=Z,42nm,0.9s, baz=8.5,slow=7.9,SNR=62	51.65 190 eP	P	03 22 54.7 -1.2
WRA Warramunga Arr	comp=Z,42nm,0.9s, baz=8.5,slow=7.9,SNR=62	51.65 190 eP	P	03 22 54.7 -1.2
KTH Kantishna Hill	comp=Z,43nm,0.9s	52.07 31 eP	P	03 22 59.4 +0.7
MLY Manley	comp=Z,28nm,1.2s	52.29 30 eP	P	03 23 00.9 +0.5
TOLK Toolik Lake	comp=Z,28nm,1.2s	53.18 25 eP	P	03 23 08.1 +1.2
MDM Murphy Dome	comp=Z,39nm,1.2s	53.35 30 eP	P	03 23 08.0 -0.1
WRH Wood River Hill	comp=Z,35nm,1.7s	53.38 30 eP	P	03 23 08.8 +0.5
KSH Kashi	comp=Z,43nm,1.3s	53.50 298 eP	pP	03 23 13.9 +4.1 03 23 23.9 +2.6 03 23 27.7 +1.0 03 24 19.2 +2.7 03 25 16.3 +6.0 03 28 16.2 +0.6 03 30 43.8 +2.7 03 32 57.0 -0.7 03 34 20.4 +0.3
SCM Sheep Creek Mo	comp=Z,43nm,1.3s	53.64 34 eP	P	03 23 10.7 +0.3
SCM Sheep Creek Mo	comp=Z,48nm,1.1s	53.64 34 eP	P	03 23 10.7 +0.3
IL1 Eielson Array	comp=Z,48nm,1.1s	53.91 30 eP	P	03 23 11.5 -0.7
ILAR Eielson Array	comp=Z,1.1nm,1.0s, baz=293,slow=5.6,SNR=20	53.91 30 eP	P	03 23 11.8 -0.4
ILB Eielson Array	comp=Z,1.1nm,1.0s, baz=293,slow=5.6,SNR=20	53.91 30 eP	P	03 23 11.8 -0.4
AAK Ala-Archa	comp=Z,6.8nm,0.8s, baz=79,slow=5.4,SNR=6.0	53.92 302 eP	P	03 23 13.4 +0.6
AAK Ala-Archa	comp=Z,6.8nm,0.8s, baz=79,slow=5.4,SNR=6.0	53.92 302 eP	P	03 23 13.4 +0.6
AAK Ala-Archa	comp=Z,6.1nm,1.7s	53.92 302 eP	P	03 23 13.1 +0.3
AAK Ala-Archa	comp=Z,6.1nm,1.7s	53.92 302 eP	P	03 23 13.1 +0.3
BVAR Borovoye Array	comp=Z,1.1nm,0.9s	54.96 315 eP	P	03 23 20.1 +0.1
BVAR Borovoye Array	comp=Z,6.9nm,0.9s, baz=79,slow=7.7,SNR=11	54.96 315 eP	P	03 24 21.6 0.0
BRVK Borovoye	comp=Z,5.3nm,0.8s, baz=100,slow=3.3,SNR=3.9	55.02 316 eP	pP	03 23 20.3 -0.1
BRVK Borovoye	comp=Z,5.3nm,0.8s, baz=100,slow=3.3,SNR=3.9	55.02 316 eP	pP	03 23 20.3 -0.1
MENT Mentasta	comp=Z,93nm,1.7s	55.31 32 eP	P	03 23 21.7 -0.8
AS01 Alice Springs	comp=Z,28nm,1.3s	55.36 189 eP	P	03 23 21.9 -1.2
AS31 Alice Springs	comp=Z,28nm,1.3s	55.37 189 eP	P	03 23 22.4 -0.9
ASAR Alice Springs	comp=Z,3.6nm,0.6s	55.37 189 eP	P	03 23 22.1 -1.1
EGAG Eagle	comp=Z,9.9nm,1.1s, baz=10.0,slow=7.1,SNR=29	56.36 30 eP	P	03 23 29.9 0.0
MBWA Marble Bar	comp=Z,29nm,1.6s	56.58 205 eP	P	03 23 31.9 0.0
KKAR Karatay Array	comp=Z,7.1nm,1.8s	56.67 304 eP	pP	03 23 33.6 +1.1
KKAR Karatay Array	comp=Z,7.5nm,0.8s	56.67 304 eP	pP	03 23 33.6 +1.1
KKAR Karatay Array	comp=Z,7.5nm,0.8s	56.67 304 eP	pP	03 23 33.6 +1.1
DZMW Dawson	comp=Z,7.7nm,1.4s	57.18 31 eP	P	03 23 37.0 +1.2
DZMW Dawson	comp=Z,26nm,1.0s, baz=8.4,slow=12,SNR=5.5	58.03 153 eP	P	03 23 43.4 +1.2
DZM Mont Dzumac	comp=Z,26nm,1.0s, baz=8.4,slow=12,SNR=5.5	58.03 153 eP	P	03 23 43.4 +1.2
DZM Mont Dzumac	comp=Z,42nm,1.1s	58.03 153 eP	P	03 23 44.0 +1.8
INK Inuvik	comp=Z,9.2nm,0.9s, baz=29,slow=6.3,SNR=6.1	59.08 26 eP	P	03 23 49.3 +0.4
SVE Sverdlovsk	comp=Z,29nm,1.6s	59.87 321 eP	P	03 23 55.2 +0.6
KBL Kabul	comp=Z,7.1nm,1.8s	60.22 294 eP	P	03 23 58.3 +0.7
KBL Kabul	comp=Z,33nm,1.1s	60.22 294 eP	P	03 23 58.3 +0.7
ARU Arti	comp=Z,33nm,1.1s	61.08 321 eP	P	03 24 02.4 -0.4

Table with columns: LVV, comp, E, 1µm, 13.0s, MLR, MLR, P, 03 26 13.6 +1.7, etc. Lists various astronomical objects and their properties.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC, etc. Lists astronomical objects with detailed coordinates and identifiers.

Table with columns: MOCO, Biccari, m-te, Pg, Pb, 03 38 13.6 +0.5, etc. Lists astronomical objects with specific identifiers and coordinates.

Table with columns: OBKA, SOKA, ZAGS, ZAPS, ARSA, ABTA, ABTA, MOA, MOA, WATA, WATA, DAVA, DAVA. Includes station names, coordinates, and status.

IDC 08 03:38:52.8±0.2, 17.48S; 174.87W, h227km, 20km, mb3.8/8, ...
ISCJB 08 03:38:54.0±0.4, 17.39S; 174.95W, 0.09, h256km, ...
NEIC 08 03:38:53.0±1.0, 17.39S; 174.97W, h228km, 10km, ...

Main table for station 453 with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various stations like AFI, DZM, OUZ, etc.

HEL 08 03:39:01.2±0.7, 67.61N; 13.0E, h0km, ML1.9, Explosion
NAO 08 03:39:01.8±1.8, 67.54N; 13.94E, ML2.2
CSEM 08 03:39:03.0±0.7, 67.43N; 13.36E, h2km, ML2.2, Error ellipse: s-maj=14.5km s-min=6.4km az=110.0, Mining explosion.

Table for station 453 with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like APZ9, APZ9, etc.

Main table for station 2011 NOV with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like APA0, KU6, KU6, etc.

ISK 08 03:40:04.9±0.3, 38.68N; 43.16E, h5km, MD2.8, ML2.6
DDA 08 03:40:05.9±0.3, 38.71N; 43.23E, h7km, MD2.6
ISCJB 08 03:40:06.3±0.6, 38.69N; 0.03; 43.21E, 0.05, h17km, 11km, ...

Table for station 2011 NOV with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like VANB, VANB, etc.

DDA 08 03:48:46.8±38.95N; 43.50E, h7km, MD2.6
ISCJB 08 03:48:47.2±0.7, 39.01N; 0.04; 43.53E; 0.04, h14km, 5km, ...
CSEM 08 03:48:47.1±0.3, 38.98N; 43.53E, h8km, MD2.6, Error ellipse: s-maj=7.2km s-min=6.3km az=148.0

Table for station 2011 NOV with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like VMUR, VMUR, etc.

DDA 08 03:50:45.6±38.97N; 43.08E, h7km, MD2.6
ISK 08 03:50:49.8±38.87N; 43.56E, h7km, MD2.6
ISCJB 08 03:50:50.5±0.8, 38.86N; 0.04; 43.60E; 0.08, h19km, 9km, ...

Table for station 8d 3h with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like VMUR, VMUR, etc.

ISCJB 08 03:57:21.3±0.3, 27.08N; 0.05; 125.78E; 0.05, h27km, 4km, mb3.8/19, Error ellipse: s-maj=10.6km, ...
JMA 08 03:57:22.3±0.3, 27.28N; 125.62E, h206km, 6.4
IDC 08 03:57:24.4±1.9, 27.23N; 125.75E, h241km, 17km, ...

Main table for station 8d 3h with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like JKE, JAGN, etc.

IDC 08 03:58:30.5±0.8, 55.95S; 27.73W, h0km, mb4.0/5, ...
ISCJB 08 03:58:43.1±0.8, 56.1S; 0.1; 27.7W; 0.4, h121km, mb3.8/5,





Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like TVAN, Van, DYDN, Diyyadin, TUTA, Hanur-Agry.

ISC 08:05:48:19.4:2.6, 5.97S:130.56E, h0km, mb4.0/1, mb1 3.6/3, mb1mx3.3/39, mbmp3.5/3, ML3.3/2, Error ellipse: s-maj=170.9km s-min=30.9km az=71.0, Banda Sea

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

ISC 08:05:55:18.2:1.7, 3.84S:150.45E, h0km, mb4.0/8, mb1 4.3/8, mb1mx3.9/40, mbmp4.0/8, MS4.1/1, Ms1 1.1, Ms1mx3.3/32, Error ellipse: s-maj=56.2km s-min=20.6km az=114.0

ISCJB 08:05:55:22.1:1.6, 3.8S:0.2:150.3E:0.3, h33km, mb3.9/8, MS4.2/1, Error ellipse: s-maj=50.5km s-min=17.7km az=22.9

ISC 08:05:55:23.1:1.8, 3.9S:0.2:150.5E:0.4, h35km, n16, a1527/9, mb3.9/8, New Ireland region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like WRA, ASAR, H1S3, H1S2, H1S1, FITZ, H1N1, H1N3, H1N2, CMAR, PETK, SONM, ZALV, ILAR, BVAR, TORD.

ISC 08:06:04:39.7:2.2, 17.41S:178.90W, h518km, 30km, mb3.4/7, mb1 3.7/8, mb1mx3.2/37, mbmp4.3/8, Error ellipse: s-maj=76.3km s-min=14.4km az=151.0

ISCJB 08:06:04:40.2:1.1, 17.7S:0.5:178.7W:0.3, h547km, mb3.9/7, Error ellipse: s-maj=71.0km s-min=14.5km az=151.3

ISC 08:06:04:41.2:1.2, 17.7S:0.5:178.8W:0.3, h547km, n10, a1522/10, mb3.9/7, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like AFI, DZM, STKA, WRA, ASAR, ILAR, TXAR, PDAR, INK, GERES.

ISCJB 08:06:11:42.9:0.2, 10.64S:0.04:166.05E:0.05, h150km, mb4.5/68, Error ellipse: s-maj=7.9km s-min=5.5km az=31.4

ISC 08:06:11:44.7:1.1, 10.61S:166.19E, h157km, 8km, mb4.3/14, mb1 4.4/15, mb1mx4.0/40, mbmp4.7/15, MS4.2/2, Ms1 4.2/2, ms1mx3.3/28, Error ellipse: s-maj=16.2km s-min=13.5km az=139.0

NEIC 08:06:11:48.2:1.1, 10.62S:166.03E, h187km, 10km, mb4.5/50, Error ellipse: s-maj=7.0km s-min=5.8km az=119.0

ISC 08:06:11:43.8:0.5, 10.68S:0.06:166.30E:0.07, h150km, n100, a1830/107, mb4.6/68, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like HNR, HNR, HNR, DZM, DZM, DZM, PMG, PMG, EIDS, CTA, CTA, RAO, ARMA, URZ, BKZ, H1N1, H1N3, H1N2, STKA.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like STKA, BFZ, WBR, WRA, WRA, LTZ, OXZ, RPZ, ASO1, ASO1, ASAR, ASAR, BBOO, FITZ, NJ2, CN2, BJI, XAN, KMI, HHC, CMAR, LZH, YAK, GSPA, WRH, CDB, MCB, HDA, COLA, ILAR, ILB, DOT, YBH, ORV, HUMO, AFDM, CMB, BEKR, WAKR, EGAK, PAHR, MOD, DAWY, PFO, I07A, WVOR, GLA, J08A, LDFO, HAWA, SHPR, R11A, BMO, MFID, LCMT, CCUT, SZBU, KNC, WMQ, WMQ, WMQ, U15A, HLD, X16A, TUC, MTP, MCMT, DLMT.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like FWXY, BOZ, HRY, PDAR, PDAR, MKAR, TXAR, KSH, ARCES, LPAZ, CPUR, BOSA, ESDC, ESDC, TORD.

ISCJB 08:06:28:31.9:0.9, 29.64S:0.09:179.2W:0.1, h315km, mb3.4/2, Error ellipse: s-maj=16.6km s-min=11.5km az=23.4

ISC 08:06:28:31.7:0.7, 29.46S:179.02W, h324km, 9km, mb3.3/2, mb1 3.5/3, mb1mx3.1/24, mbmp4.0/3, Error ellipse: s-maj=33.0km s-min=27.2km az=164.0

ISC 08:06:28:31.9:0.9, 29.7S:0.1:179.2W:0.1, h315km, n8, a1545/10, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like RAO, RAO, URZ, DZM, ASAR, WRA, FINES, AKAS, TORD.

ISK 08:06:35:19.3:38.70N:43.30E, h5km, ML2.9, CSEM 08:06:35:20.5:0.2, 38.69N:43.28E, h2km, ML2.9, Error ellipse: s-maj=5.6km s-min=4.3km az=98.0

DDA 08:06:35:20.7:38.70N:43.29E, h7km, M2.9, ISCJB 08:06:35:21.0:0.5, 38.71N:0.02:43.28E:0.05, h7km, 8km, Error ellipse: s-maj=7.1km s-min=3.9km az=3.9

ISC 08:06:35:21.0:0.9, 38.68N:0.03:43.28E:0.03, h14km, 7km, n22, a099/39, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like VANB, VANB, VANB, TVAN, TVAN, VMUR, VMUR, GEVA, GEVA, CLDR, CLDR, TUTA, TUTA, TATV, TATV, AGRB, AGRB, AGRB, EATA, EATA, CUKT, CUKT, SVAN, SVAN.

ISC 08:06:35:30.7:1.8, 57.43S:147.00E, h0km, mb3.7/5, mb1 3.9/5, mb1mx3.9/18, mbmp3.8/5, MS4.0/4, Ms1 4.0/4, ms1mx3.4/24, Error ellipse: s-maj=113.1km s-min=23.8km az=79.0, West of Macquarie Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like VANDA, VANDA, STKA, URZ, H01W1, H01W2, ASAR, MAW, WRA, FITZ, PMG, H08S2, H08S1, H08S3, H08N1, H08N3, H08N2, FINES, GERES.

8d 8h

2011 NOV

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VMUR Van-Muradiye, VANB Van, TVAN Van, CLDR Caldiran, GEVA Gevas, AGRB Hanur-Agry, MKAR Makanchi Array.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, WARR Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array.

ISC/JB 08 07:22:39.7-0.8, 49.99N-0.03-75E:0.1, h0km, Error ellipse: s-maj=9.8km s-min=4.4km az=174.1, NNC 08 07:22:40.9-0.4, 50.09N-78.93E, h0km, mb3.1, mpv2.7, Error ellipse: s-maj=11.4km s-min=2.0km az=64.0, Suspected Mining explosion.

ISC 08 07:22:41.9-1.2, 50.02N-78.77E, h0km, mb1 2.9/3, mb1mx2.9/38, mbtmp2.9/3, ML2 7/3, Error ellipse: s-maj=23.3km s-min=10.7km az=43.0, ISC 08 07:22:41.5-1.0, 50.03N-0.05-78.65E:0.08, h0km, n17, o54/26, 13C-12D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KUR07 Kurchatov Arra, KUR06 Kurchatov Arra, KUR14 Kurchatov Arra, KUR15 Kurchatov Arra, KUR16 Kurchatov Arra, KUR17 Kurchatov Arra, KUR05 Kurchatov Arra, KUR04 Kurchatov Arra, KURK Kurchatov, MAK2 Makanchi, MK31 Makanchi Array, MK31 Zalesovo Beam, BVAR Borovoye Array, PDGK Podgornoye.

ISC 08 07:27:52.1-9.0, 55.59N-85.44E, h0km, Error ellipse: s-maj=50.7km s-min=30.2km az=13.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, I34MN SONGINO INFRA.

ISC/JB 08 07:34:54.4-1.4, 37.63N-0.04-141.79E:0.09, h27km, 6km, mb3.4/3, Error ellipse: s-maj=12.3km s-min=6.3km az=20.2, JMA 08 07:34:55.0, 37.63N-141.76E, h43km, 2km, M3.5, IDC 08 07:34:55.5-1.3, 36.47N-141.83E, h0km, mb3.3/3, mb1 3.7/4, mb1mx3.4/34, mbtmp3.4/4, ML2.6/1, Error ellipse: s-maj=42.4km s-min=27.4km az=115.0, ISC 08 07:34:52.7-1.9, 37.50N-0.05-141.99E:0.09, h27km, 12km, n15, o82/24, mb3.3/3, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JFK Kawauchi, JYK Furukawa, JMM Muramori, JIO Ouri, ONAJ Iwakimizuishi, JOU Okura, JFT Otama, JMK Ichinoseki, JYS Shirataki, JFY Yanaizu, JYK Kaneyama, JYK Kaneyama.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JYA Atsumi, MJAR Matushishiro Arr, ILAR Eielson Array, WRA Warramunga Arr, ASAR Alice Springs.

IDC 08 07:47:45.4-4.6, 3.23S-152.39E, h0km, mb3.2/2, mb1 3.5/2, mb1mx3.3/22, mbtmp3.2/2, Error ellipse: s-maj=223.8km s-min=48.9km az=116.0, New Ireland region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WARR Warramunga Arr, ASAR Alice Springs, TORO Torodi Arr, Bea.

IDC 08 07:59:38.5-8.2, 55.47N-85.46E, h0km, Error ellipse: s-maj=48.3km s-min=27.1km az=14.0, Southeastern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, I34MN SONGINO INFRA.

ISC 08 08:23:56.2, 38.57N-43.01E, h19km, ML2.4, CSEM 08 08:23:57.0-6.3, 38.63N-42.93E, h10km, MD2.5, Error ellipse: s-maj=11.8km s-min=11.5km az=52.0, DDA 08 08:23:59.5, 38.65N-43.13E, h7km, MD2.5, ISC 08 08:23:59.5-1.1, 38.65N-0.03-43.13E:0.05, h15km, 9km, n13, o15/14/21, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VANB Van, VANB Van, VANB Van, TVAN Van, TVAN Van, TVAN Van, GEVA Gevas, GEVA Gevas, VMUR Van-Muradiye, VMUR Van-Muradiye, VMUR Van-Muradiye, AGRB Hanur-Agry, AGRB Hanur-Agry, AGRB Hanur-Agry, EATA Eleskirt, EATA Eleskirt, SVAN Silvan-Diyarba, SVAN Silvan-Diyarba.

NIED 08 08:34:00.38-0.0N-143.80E, h14km, Mw4.6 Best double couple: M7.53000x1015 N1P1a334.00000°, 874.00000°, 1.75.00000°. NP2a6.65.00000°, 885.00000°, 1.16.00000°. ISC/JB 08 08:34:55.8-1.1, 37.77N-0.03-143.86E:0.03, h6km, 6km, mb4.7/97, MS4.0/14, Error ellipse: s-maj=5.3km s-min=3.3km az=159.4, IDC 08 08:34:56.6-0.6, 37.68N-144.05E, h0km, mb4.2/19, mb1 4.4/24, mb1mx4.3/40, mbtmp4.3/24, ML3.3/3, MS3.6/9, Ms1 3.6/9, ms1mx3.2/39, Error ellipse: s-maj=17.0km s-min=12.4km az=110.0, JMA 08 08:34:59.2-0.1, 38.00N-143.78E, h29km, M4.7, BJI 08 08:34:59.9, 38.00N-143.90E, h28km, mb4.7/46, MB4.9/28, Ms4.3/30, Ms7.4/0/27, MOS 08 08:34:59.9, 1.1, 37.59N-143.95E, h39km, mb4.8/34, Error ellipse: s-maj=9.0km s-min=7.4km az=100.4, NEIC 08 08:34:59.7, 1.8, 37.65N-143.96E, h22km, 13km, mb5.0/56, Error ellipse: s-maj=6.1km s-min=4.1km az=126.0, NEIC Recorded [1] JMA in Fukushima and Miyagi.

ISC 08 08:34:57.1-8.7, 37.82N-0.04-143.99E:0.04, h7km, 10km, n199, o25/22/3, mb4.8/97, MS4.0/14, 8C-9D, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JIO Ouri, JIO Ofunato, OFUJ Ofunato, MINJ Miyakonagasawa, MINJ Miyakonagasawa, JMK Ichinoseki, JMK Ichinoseki, JOM Ohasama, JOM Ohasama, JFT Otama, JFT Otama, JYK Kaneyama, JYK Kaneyama, JYK Nango, JYK Nango, JANS Jang, JANS Jang, JNS Sasagawa, JNS Sasagawa, JAW Asa shima, JAW Asa shima, JOT Ohata, JOT Ohata, JOT Ohata, JKB Kayabe, JKB Kayabe, MJAR Matushishiro Arr, MJAR Matushishiro Arr.

MJAR 23nm, 0.3s, baz=45, slow=15, SNR=6, S1 Pn 08 37 04.7 -1.4, MAJO Matushishiro 4.79 256/12 Pn 08 36 09.9 -0.4, MAJO Matushishiro 4.79 256 ePn Pn 08 36 10.4 +0.1, MAJO Matushishiro 4.79 256 eS Pn 08 37 04.0 -2.1, MAT Matushishiro 4.79 256 Pn 08 36 10.0 -0.3, MAT Matushishiro 4.79 256 S Pn 08 37 04.0 -2.1, MJBS Matsu-Tunnel 4.79 256 S Pn 08 36 10.4 -0.1, MJBS Matsu-Tunnel 4.79 256 eS Pn 08 37 04.0 -2.2, JOSM Okushiri-Mats 4.99 322 Pn 08 36 18.2 -1.7, JHJ Mitsune 5.80 217 ePn Pn 08 36 22.6 -1.7, JHJ Hachijo jima 2 5.81 217 Pn 08 36 22.5 -1.9, JHJ Hachijo jima 2 5.81 217 S Pn 08 37 22.1 -9.1, INU Inuyama 6.13 248 ePn Pn 08 36 28.7 0.0, YUK Yuzh-Kuril'sk 6.37 120 iP Pn 08 36 28.7 -3.2, YUK comp=N, 302nm, 0.4s pmax pmax, YUK comp=E, 383nm, 0.4s pmax pmax, YUK comp=Z, 552nm, 0.4s pmax pmax, YUK comp=Z, 775nm, 12.0s MLR MLR, ASAJ Asahikawa 6.38 351 Pn Pn 08 36 30.9 -1.1, ASAJ Asahikawa 6.38 351 Pn Pn 08 37 37.2 -7.9, ASAJ Asahikawa 6.38 351 Pn Pn 08 36 30.8 -1.3, ASAJ Asahikawa 6.38 351 ePn Pn 08 37 41.2 -3.8, SHO Shikotan 6.41 190 iP Pn 08 36 28.7 -3.8, SHO comp=Z, 405nm, 0.9s pmax pmax, SHO comp=N, 158nm, 0.7s pmax pmax

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SHO comp=E, 201nm, 0.4s pmax pmax, KUR Kuril'sk 7.95 20 eP Pn 08 36 50.5 -3.2, KUR comp=N, 19nm, 0.5s pmax pmax, KUR comp=Z, 54nm, 0.5s pmax pmax, KUR comp=E, 40nm, 0.6s pmax pmax, YSS Yuzh-Sakhalins 9.17 355/1 eP MLR Pn 08 37 09.1 -1.3, YSS comp=Z, 700nm, 15.0s MLR MLR, YSS comp=N, 500nm, 16.0s MLR MLR, YSS Yuzh-Sakhalins 9.17 355 ePn Pn 08 37 08.2 -2.2, CBJ Chizhi jima 10.80 189 ePn Pn 08 37 29.0 -3.8, CBJ Chizhi jima 10.80 189 eS Pn 08 39 20.5 -1.4, USUR Ussuriysk Ar. 11.07 309 Pn Pn 08 37 36.2 -0.2, USUR comp=N, 1.6nm, 0.3s, baz=115, slow=16, SNR=25 LR 08 41 36.0, USUR comp=N, 291nm, 18.7s, baz=112, slow=36 LR 08 41 36.0, HABR Khabarovsk 12.47 331 eP Pn 08 37 54.0 -1.6, HABR Khabarovsk 12.47 331 eS Pn 08 40 14.9 +0.2, HABR comp=Z, 13nm, 1.4s pmax pmax, HABR comp=Z, 13nm, 1.5s pmax pmax, HABR comp=Z, 20nm, 1.6s pmax pmax, HABR comp=E, 16nm, 0.9s pmax pmax, HABR comp=N, 24nm, 1.5s pmax pmax, HABR comp=Z, 136nm, 11.0s MLR MLR, KSRS Korea Arr 12.74 273 Pn Pn 08 38 00.7 +1.3, KSRS comp=Z, 0.3nm, 0.3s, baz=83, slow=13, SNR=8.1 LR 08 42 25.3, KSRS comp=Z, 222nm, 19.2s, baz=62, slow=35 LR 08 42 25.3, KSAR Wonju Array Be 12.78 273 Pn Pn 08 38 00.7 +0.9, KSAR Wonju Array Be 12.78 273 P Pn 08 38 00.7 +0.9, MDJ Mudanjiang 12.78 307 S S 08 40 57.5 -1.3, MDJ S S 08 40 57.1 -5.1, MDJ comp=Z, 24nm, 1.2s LR LR, MDJ comp=Z, 450nm, 16.3s LR LR, MDJ comp=Z, 440nm, 18.3s LR LR, MDJ Mudanjiang 12.78 307 ePn Pn 08 37 59.8 +0.1, KLR Kul'dur 14.43 326 Pn Pn 08 38 19.8 -2.5, KLR comp=Z, 0.1nm, 0.3s, baz=128, slow=13, SNR=19 LR 08 43 49.9, KLR comp=Z, 24nm, 20.6s, baz=144, slow=37 LR 08 43 49.9, CN2 Changchun 15.24 299 eP S 08 38 37.3 -1.0, CN2 S S 08 41 27.2 -1.2, CN2 comp=Z, 10.0nm, 0.6s pmax pmax, CN2 comp=Z, 1.00nm, 3.0s LR LR, CN2 comp=Z, 1.1um, 13.0s LR LR, CN2 comp=Z, 900nm, 13.0s LR LR, CN2 comp=Z, 1.1um, 14.0s LR LR, PEAOB Petropavlovsk 18.01 28 ePn Pn 08 39 10.7 +1.8, PEAOB Petropavlovsk 18.01 28 P P 08 39 09.7 +0.8, PETK Petropavlovsk 18.01 28 P P 08 39 10.7 +1.8, PETK Petropavlovsk 18.01 28 ePn Pn 08 39 10.7 +1.8, HIA Hailar 20.87 311 eP Pmax pmax, HIA comp=Z, 5.0nm, 0.5s pmax pmax, NJ2 Nanjing 21.36 262 eP Pmax pmax, NJ2 comp=Z, 24nm, 0.6s pmax pmax, BJI Beijing 21.72 285 P S 08 39 49.2 -0.2, BJI S S 08 40 53.0 +0.4, BJI comp=Z, 24nm, 1.0s LR LR, BJI comp=Z, 150nm, 12.4s LR LR, BJI comp=Z, 330nm, 11.1s LR LR, BJT Baijiatou 21.73 284 eP Pmax pmax, BJT comp=Z, 42nm, 1.3s LR LR, BJT Baijiatou 21.73 284 eP P 08 39 49.4 -0.1, MA2 Magadan 22.20 9 P P 08 39 58.2 +3.8, MA2 comp=Z, 6.8nm, 0.6s, baz=207, slow=18, SNR=3.4 LR LR, MA2 comp=Z, 69nm, 20.8s, baz=165, slow=32 LR LR, CLNS Chul'man 22.86 332 eP Pmax pmax, CLNS comp=E, 5.0nm, 1.0s pmax pmax, CLNS comp=N, 8.0nm, 0.9s pmax pmax, CLNS comp=Z, 18nm, 0.8s pmax pmax, GUMO Gumo 24.15 178 eP Pmax pmax, GUMO comp=Z, 348nm, 1.4s pmax pmax, GUMO Guam 24.15 178 eP P 08 40 10.1 -4.4, YUL Yu-li 24.17 240 eP P 08 40 12.0 -2.7, TPUB Ta-pu 24.69 241 eP P 08 40 18.0 -1.4, HHC Hu-ho-hao-te 25.18 287 eP Pn Pn 08 40 24.4 +0.5, HHC HHC 25.18 287 eP Pn Pn 08 41 03.8 +6.2, HHC HHC 25.18 287 eS S 08 44 46.6 -2.8, HHC HHC 25.18 287 eS S 08 44 56.4 +3.5, HHC HHC 25.18 287 eS S 08 45 47.4 +8.4, HHC comp=Z, 15nm, 1.4s pmax pmax, HHC comp=Z, 90nm, 4.8s pmax pmax, HHC comp=Z, 230nm, 12.4s LR LR, HHC comp=Z, 250nm, 14.9s LR LR, HHC comp=Z, 230nm, 13.7s LR LR, WHN Wuyan 25.50 262 P P 08 40 29.6 +2.9, SEY Seymchan 25.66 9 P P 08 40 28.7 +0.9, SEY comp=Z, 6.0nm, 0.8s, baz=195, slow=12, SNR=6.5 P P 08 40 28.2 +0.4, YAK Yakutsk 25.80 344 P P 08 40 31.5 +2.5, YAK comp=Z, 10nm, 0.4s, baz=259, slow=0.4, SNR=2.8 P P 08 40 36.3 +7.2, YAK YAK 25.80 344 eP P 08 40 42.4 +1.0, YAK YAK 25.80 344 eS S 08 40 54.1 +0.1, YAK comp=Z, 12nm, 1.1s pmax pmax, YAK comp=E, 6.0nm, 1.1s pmax pmax, YAK comp=N, 6.0nm, 1.3s pmax pmax, YAK comp=Z, 28nm, 0.8s pmax pmax, YAK comp=N, 52nm, 1.1s pmax pmax, YAK comp=E, 35nm, 1.5s pmax pmax, YAK comp=Z, 237nm, 15.0s MLR MLR, YAK comp=N, 336nm, 16.0s MLR MLR, YAK comp=E, 140nm, 13.0s MLR MLR, H1N2 WAKE ISLAND HY 26.86 126 T T 08 08 52.1, H1N2 WAKE ISLAND HY 26.86 126 T T 08 09 05.9, H1N1 WAKE ISLAND HY 26.87 126 T T 08 08 59.2, H1N3 WAKE ISLAND HY 26.88 126 T T 08 08 51.8 +2.8, BOD Bodaibo 28.00 325 eP Pmax pmax, BOD comp=Z, 17nm, 1.1s 28.54 273 P P 08 40 55.2 +1.1





Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like ETW, D05A, B08A, ULM, LPAZ, etc.

PGC 08:09:14:10.0:2.0,50.87N-130.62W, h10km, ML.SN3.2/17, Mw3.8/17.224km, Wsw of Bella Bella, Bc Vancouver Island, Canada Region, Vancouver Island region

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

IDC 08:09:18:21.5:9.1,55.65N-85.40E, h0km, Error ellipse: s-maj=50.8km s-min=29.1km az=11.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like I46RU, ZALV, ZALV, etc.

I34MM SONGINO INFRAS 15.10 112 i, baz=313,slow=329,SNR=0.6

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

ISCJCB 08:09:34:06.4:0.0,29.42S:0.06:138.31E:0.08, h10km, Error ellipse: s-maj=9.8km s-min=8.0km az=153.1

AUST 08:09:34:11.9:0.0,29.66S:138.28E, h150km, Error ellipse: s-maj=0.6km s-min=0.2km az=294.0

ISC 08:09:34:07.9:1.0,29.42S:138.21E:0.08, h10km, n8, s-maj=173.12, South Australia

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

ISCJCB 08:09:47:16.6:0.2,60.37N:0.02:153.02W:0.05, h142km, 2km, mb4.0/11, Error ellipse: s-maj=4.3km s-min=3.4km az=139.1

IDC 08:09:47:16.1:1.6,60.37N:153.36W, h116km, 21km, mb3.9/9, mb1.4/0.14, mb1mx3.6/42, mbtmp4.3/14, Error ellipse: s-maj=20.9km s-min=15.5km az=117.0

NEIC 08:09:47:18.5:0.0,60.37N:153.02W, h135km, mb4.1/2, After AEIC

ISC 08:09:47:18.0:0.7,60.36N:0.04:153.01W:0.04, h138km, 5km, n109, c1903/131, mb4.1/11, Southern Alaska

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

IDC 08:10:17:24.3:1.8,17.90S:178.56W, h530km, 21km, mb4.0/10, mb1.4/3.12, mb1mx3.9/24, mbtmp4.9/12, Error ellipse: s-maj=18.7km s-min=12.2km az=131.0

NEIC 08:10:17:27.5:0.7,17.93S:178.71W, h566km, 7km, mb4.2/35, Error ellipse: s-maj=12.3km s-min=6.1km az=134.0

ISC 08:10:17:28.3:0.5,17.91S:0.09:178.66W:0.09, h579km, n125, c1502/127, mb4.2/56, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like I46RU, ZALV, ZALV, etc.

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

IDC 08:10:15:39.2:9.2,55.59N-85.47E, h0km, Error ellipse: s-maj=52.1km s-min=27.5km az=13.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like I46RU, ZALV, ZALV, etc.

IDC 08:10:17:24.3:1.8,17.90S:178.56W, h530km, 21km, mb4.0/10, mb1.4/3.12, mb1mx3.9/24, mbtmp4.9/12, Error ellipse: s-maj=18.7km s-min=12.2km az=131.0

NEIC 08:10:17:27.5:0.7,17.93S:178.71W, h566km, 7km, mb4.2/35, Error ellipse: s-maj=12.3km s-min=6.1km az=134.0

ISC 08:10:17:28.3:0.5,17.91S:0.09:178.66W:0.09, h579km, n125, c1502/127, mb4.2/56, Fiji Islands region

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



Error ellipse: s-maj=12.2km s-min=5.0km az=27.5
CSEM 08 11:50:06.8,0.6,38.68N-43.71E,h5km,ML2.5,Error
ellipse: s-maj=14.6km s-min=5.3km az=119.0

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

ISK 08 11:02:56.7,38.58N-43.10E,h5km,ML2.3
DDA 08 11:02:57.6,38.54N-43.27E,h26km,Md2.7
CSEM 08 11:02:57.2,0.4,38.58N-43.11E,h10km,MD2.7,Error
ellipse: s-maj=10.0km s-min=7.4km az=89.0

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

ISCJB 08 11:08:10.5,0.6,18.2S:0.1,175.4W:0.1,h200km,
mb4.0/11,Error ellipse: s-maj=20.3km s-min=9.0km
az=42.0

IDC 08 11:08:10.7,2.6,18.37S:175.55W,h170km,29km,mb3.8/8,
mb1.3/9,mb1mx3.6/39,mbtmp4.3/9,Error ellipse:
s-maj=30.4km s-min=20.2km az=111.0

NEIC 08 11:08:11.1,1.4,18.40S:175.46W,h181km,1.7km,mb4.3/4,
Error ellipse: s-maj=15.0km s-min=10.1km az=106.1

ISC 08 11:08:11.9,0.7,18.2S:0.1,175.3W:0.1,h200km,n15,
c1919.16,mb3.9/11,Tonga Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like AFI Afiamalu, URZ Urewera, CTA Charters Tower, etc.

IDC 08 11:11:51.4,9.3,55.59N-85.56E,h0km,Error ellipse:
s-maj=52.3km s-min=30.4km az=15.0,Southwestern
Siberia

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

ISCJB 08 11:13:38.4,0.6,51.90N:0.08:174.92E:0.09,h39km,
mb4.1/29,MS3.0/1,Error ellipse: s-maj=11.5km
s-min=7.8km az=5.3

NEIC 08 11:13:43.9,1.3,52.14N:174.82E,h60km,1.0km,mb4.2/10,
Error ellipse: s-maj=16.7km s-min=7.4km az=164.0

IDC 08 11:13:44.1,3.9,52.20N:174.87E,h64km,3.5km,mb3.8/20,
mb1.3/9,mb1mx3.7/6,mbtmp4.1/2,ML3.8/2,MS2.9/2,
Ms1.3/0.2,ms1mx2.6/50,Error ellipse: s-maj=21.5km
s-min=13.3km az=172.0

ISC 08 11:13:40.7,0.7,52.0N:0.1:174.96E:0.08,h39km,n40,
c1920/34,mb4.2/29,Near Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SMY Shemya, PETK Petropavlovsk, KDAK Kodiak Island, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PPLA Purkaypille, SEW Seward, MCK McKinley, etc.

ISCJB 08 11:15:11.7,0.7,37.12S:0.08:176.4E:0.1,h429km,9km,
mb3.9/3,Error ellipse: s-maj=20.6km s-min=9.8km
az=27.6

IDC 08 11:15:11.6,2.6,37.13S:176.36E,h412km,29km,mb3.5/3,
mb1.3/6,5,mb1mx3.2/33,mbtmp4.3/5,Error ellipse:
s-maj=76.6km s-min=30.2km az=104.0

NEIC 08 11:15:13.2,0.0,36.82S:176.40E,h400km,MG4.5(WEL),
After WEL

WEL 08 11:15:14.3,0.4,37.02S:176.56E,h401km,3km,ML4.6/45,
Error ellipse: s-maj=9.0km s-min=7.8km az=0.0

ISC 08 11:15:11.9,1.1,37.16S:0.09:176.5E:0.1,h426km,9km,
n142,c1968/148,mb4.0/3,7,19D,Orth Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like HPRZ Ohinepanea, HAZ Te Kaha, URZ Urewera, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like WTVZ West Tongariro, TWVZ West Tongariro, etc.

ISCJB 08 11:15:11.7,0.7,37.12S:0.08:176.4E:0.1,h429km,9km,
mb3.9/3,Error ellipse: s-maj=20.6km s-min=9.8km
az=27.6

IDC 08 11:15:11.6,2.6,37.13S:176.36E,h412km,29km,mb3.5/3,
mb1.3/6,5,mb1mx3.2/33,mbtmp4.3/5,Error ellipse:
s-maj=76.6km s-min=30.2km az=104.0

NEIC 08 11:15:13.2,0.0,36.82S:176.40E,h400km,MG4.5(WEL),
After WEL

WEL 08 11:15:14.3,0.4,37.02S:176.56E,h401km,3km,ML4.6/45,
Error ellipse: s-maj=9.0km s-min=7.8km az=0.0

ISC 08 11:15:11.9,1.1,37.16S:0.09:176.5E:0.1,h426km,9km,
n142,c1968/148,mb4.0/3,7,19D,Orth Islands

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



8d 11h

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

MAN 08 11:17:24.0, 11.04N, 122.76E, h28km, mb4.6, ML3.5, MS3.4, 1C-1D, Panay

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GUIM, RCP, JAP, LLL, OTRP, SJMP, MSPL, BUSP, ENPP.

ISK 08 11:17:19.1, 38.59N, 43.10E, h8km, ML2.7

CSEM 08 11:17:20.0, 2.38.59N, 43.15E, h10km, MD2.7, Error ellipse: s-maj=4.8km s-min=3.9km az=8.0

DDA 08 11:17:21.0, 38.59N, 43.16E, h7km, MD2.7

ISCJB 08 11:17:21.0, 0.5, 38.62N, 0.03, 43.16E, 0.03, h13km, 4km, Error ellipse: s-maj=4.8km s-min=4.4km az=35.2

ISC 08 11:17:20.9, 38.60N, 0.02, 43.16E, 0.02, h14km, 7km, n22, 0.66/41, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VANB, TVAN, GEVA, ADCV, VMUR, TATV, CLDR, BASK, EATA, SVAN.

IDC 08 11:17:21.1, 99.0, 44.63N, 44.70E, h0km, Error ellipse: s-maj=4425.0km s-min=229.1km az=54.0, Ukraine-Moldova-Southwestern Russia region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I31KZ, I46RU, I34MN, I45RU.

SKHL 08 11:18:56.7, 1.2, 45.03N, 151.46E, h55km, 5km, mb4.3/3

ISCJB 08 11:19:00.3, 0.8, 45.7N, 0.1, 150.3E, 0.2, h200km, mb3.2/8, Error ellipse: s-maj=25.2km s-min=5.1km az=141.9

JMA 08 11:19:01.6, 0.4, 45.64N, 150.24E, h186km, M3.6

IDC 08 11:19:03.6, 0.1, 46.65N, 149.17E, h196km, 30km, mb3.1/8, mb1.3/9, mb1mx3.1/64, mb1mx3.6/9, Error ellipse: s-maj=25.9km s-min=16.5km az=136.0

ISC 08 11:19:01.1, 0.9, 45.8N, 0.2, 150.2E, 0.1, h200km, n26, 0.157/28, mb3.4/8, 1C, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KUR, SHO, YUK, NEM2, JAK, YSS, JOB, HRK, JK2, ASAJ, JCH, MYR, SKR, JEM, JNBK, TYV, USRK, EKMR, ILAR, MKAR.

2011 NOV

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

IDC 08 11:30:24.0, 1.8, 34.41N, 138.71E, h0km, mb3.3/2, mb1.3/9, mb1mx3.3/44, mb1mx3.3/4, ML3.3/1, Error ellipse: s-maj=1.8km s-min=0.2km az=85.0

ISCJB 08 11:30:26.5, 0.7, 34.88N, 0.06, 139.99E, 0.05, h67km, 5km, mb3.4/2, Error ellipse: s-maj=10.2km s-min=6.7km az=23.2

JMA 08 11:30:27.0, 0.1, 34.96N, 139.98E, h64km, 2km, M2.8

ISC 08 11:30:27.6, 1.1, 34.90N, 0.07, 139.97E, 0.05, h60km, 7km, n14, 0.657/23, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TATJ, BS04, KTR, JYO, BS03, JIM2, JOD2, BS01, JIZS, JYN, MJAR, MAT, WRA, ASAR.

CSEM 08 11:44:09.0, 0.3, 38.96N, 43.54E, h10km, MD2.8, Error ellipse: s-maj=6.9km s-min=5.2km az=107.0

ISK 08 11:44:09.2, 38.98N, 43.52E, h5km, ML2.7

ISCJB 08 11:44:10.3, 0.6, 38.97N, 0.03, 43.52E, 0.06, h10km, 6km, Error ellipse: s-maj=8.1km s-min=4.9km az=16.1

DDA 08 11:44:10.4, 38.98N, 43.50E, h3km, MD2.8

ISC 08 11:44:09.9, 1.0, 38.98N, 0.02, 43.54E, 0.03, h9km, 5km, n17, 0.676/34, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VMUR, CLDR, BASK, EATA, SVAN, DYDN, ADCV, TUTA, AGRB.

JMA 08 11:46:39.9, 0.2, 23.07N, 122.76E, h46km, M2.6

ISC 08 11:46:42.0, 2.3, 06N, 122.59E, h76km, 1km, ML3.2, D

ISC 08 11:46:36.1, 1.5, 23.06N, 0.05, 122.77E, 0.03, h2km, 11km, n43, 0.204/67, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CHKT, HATJ, YULI, TWF1, EHY, YOJ, ESL, TWD, LAY, TTN, IRIF, TWG, TWF2, HATJ, YULI, TWF1, EHY, YOJ, ESL, TWD, LAY, TTN, IRIF, TWG, TWF2, HATJ, YULI, TWF1, EHY, YOJ, ESL, TWD, LAY, TTN, IRIF, TWG, TWF2.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ALS, NNS, EAST, EAST, SMLT, SMLT, ENT, ENT, ENT, TWE, TWE, TYC, WTP, CHNS, CHNS, SSD, SSS, SGST, CHN4, NSK, NSK, CHN1, JISG, TSEB, SCZT, TWK, HEN, TWM1, TWM1, TWQ1, TWQ1, NSTT, JTJ, JTJ, JIRB.

BEO 08 11:47:04.0, 2.4, 32.29N, 21.03E, h9km, 2km, M3.4/2

PDG 08 11:47:04.0, 0.4, 43.32N, 21.00E, h17km, MD3.4/3, ML3.3/10, Error ellipse: s-maj=0.5km s-min=0.5km az=0.0

CSEM 08 11:47:04.0, 6.0, 43.33N, 21.02E, h5km, ML3.4, Ms3.6, Error ellipse: s-maj=1.8km s-min=1.6km az=168.0

ISCJB 08 11:47:05.6, 0.3, 43.36N, 0.01, 21.04E, 0.02, h20km, 3km, Error ellipse: s-maj=2.1km s-min=1.9km az=162.0

PRU 08 11:47:05.1, 43.49N, 21.43E, h0km

THE 08 11:47:06.8, 43.26N, 21.10E, h10km, 9km, ML3.4/6, Error ellipse: s-maj=13.1km s-min=10.4km az=338.0

VIE 08 11:47:11.1, 0.8, 43.89N, 20.84E, h4km, mb3.4/11, ML3.0/3, Ms3.6/8, Error ellipse: s-maj=17.5km s-min=7.6km az=38.0

ISC 08 11:47:04.5, 1.0, 43.33N, 0.01, 21.02E, 0.1, h9km, 8km, n183, 0.199/282, 56C-42D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SELS, BOVS, BOVS, BOVS, BOVS, GRUS, GRUS, GRUS, IVAS, IVAS, IVAS, SJSJ, SJSJ, BARS, BARS, BARS, BEY, BEY, BEY, IVA, IVA, SVIS, SVIS, SVIS, TRUS, TRUS, TRUS, ZAGS, ZAGS, ZAGS, ZAGS, ZAGS, DIVS, DIVS, DIVS, DIVS, PVY, PVY, PVY, ZAPS, ZAPS, ZAPS, KUBS, KUBS, KUBS, PLE, PLE, PLE, PLE, KOME, KOME, KOME, KOME, BBLs, BBLs, BBLs, SKO, SKO, SKO, BEO, BEO, MDVR, MDVR, UNAC, UNAC, UNAC, NKY.

PKY		eSg	Sg	11 47 54.8 -0.2	
NKY	Niksic	1.57 251 l/Pg	Pn	11 47 33.0 +0.3	
NKY		eSg	Sb	11 47 54.8 -0.2	
PDG	Podgorica	1.58 236 e/Pg	Pn	11 47 33.0 +0.3	
PDG	Podgorica	1.58 236 l/P	Pn	11 47 33.0 +0.3	
PDG	Podgorica	1.59 236 e/S	Pn	11 47 33.0 +0.3	
PDG	Podgorica	1.58 236 l/P	Pn	11 47 33.0 +0.3	
PDG		eSg	Sb	11 47 54.1 +0.2	
TTG	Podgorica	1.58 236 l/Pg	Pn	11 47 32.9 +0.3	
TTG		eSg	Sb	11 47 54.8 +0.9	
NKME	Niksic	1.61 250 l/Pn	Pn	11 47 33.4 +0.1	
NKME		eSg	Sb	11 47 54.8 +0.9	
NKME	Niksic	1.61 250 l/Pn	Pn	11 47 33.4 +0.1	
NKME		eSg	Sb	11 47 54.8 +0.9	
TEKS	Tekeris	1.62 319 e/Pg	Pn	11 47 33.6 +0.1	
TEKS		eSg	Sg	11 47 58.8 +2.0	
TEKS	Tekeris	1.62 319 l/Pn	Pn	11 47 33.5 +0.1	
TEKS		eSg	Sg	11 47 58.8 +2.0	
TEKS		eSg	Sg	11 47 58.8 +2.0	
HAPS	Han Pijesak, BI	1.68 297 e/Pn	Pb	11 47 35.5 -0.2	
HAPS		eSg	Sg	11 47 58.1 -0.4	
DJES	Djerdap	1.72 39 e/Pn	Pb	11 47 37.1 -0.4	
DJES		eSg	Sg	11 47 57.9 -0.2	
CEME	Cevo	1.73 244 l/Pn	Pn	11 47 35.2 +0.3	
CEME		eSg	Sb	11 47 58.5 +0.1	
CEME	Cevo	1.73 244 l/Pn	Pn	11 47 35.2 +0.3	
CEME		eSg	Sb	11 47 58.5 +0.1	
DRME	Dracevica, Mon	1.77 230 l/Pn	Pn	11 47 36.0 +0.6	
DRME		eSg	Sb	11 47 58.9 +0.9	
DRME	Dracevica, Mon	1.77 230 l/Pn	Pn	11 47 36.0 +0.6	
DRME		eSg	Sb	11 47 58.9 +0.9	
VTS	Vitoshia	1.77 114 l/Pg	Pn	11 47 36.0 +0.5	
VTS		eSg	Sg	11 47 58.5 +0.2	
VTS	Vitoshia	1.77 114 l/Pg	Pn	11 47 36.0 +0.5	
VTS		eSg	Sg	11 47 58.5 +0.2	
VTS	Vitoshia	1.77 114 l/Pg	Pn	11 47 36.0 +0.5	
VTS		eSg	Sg	11 47 58.5 +0.2	
HERR	Herculane	1.85 33 l/Pn	Pn	11 47 36.1 -0.4	
HERR		eSg	Sb	11 47 59.1 -0.4	
HERR	Herculane	1.85 33 l/Pn	Pn	11 47 36.1 -0.4	
HERR		eSg	Sb	11 47 59.1 -0.4	
BRAT	Bratogost	1.86 258 l/Pn	Pn	11 47 37.0 +0.2	
BRAT		eSg	Sb	11 48 02.0 -0.4	
BRY	Bratogost	1.86 258 l/Pn	Pn	11 47 37.0 +0.2	
BRY		eSg	Sb	11 48 02.0 -0.4	
BUM	Brajci-Budva	1.87 237 l/Pn	Pn	11 47 37.5 +0.7	
BUM		eSg	Sb	11 48 02.2 -0.3	
BUM	Brajci-Budva	1.87 237 l/Pn	Pn	11 47 37.5 +0.7	
BUM		eSg	Sb	11 48 02.2 -0.3	
ULC	Ulcinj	1.89 224 l/Pn	Pn	11 47 38.2 +1.1	
ULC		eSg	Sb	11 48 02.9 -0.1	
ULC	Ulcinj	1.89 224 l/Pn	Pn	11 47 38.2 +1.1	
ULC		eSg	Sb	11 48 02.9 -0.1	
KRUS	Krusevo	1.97 175 l/Pn	Pn	11 47 38.3 +0.1	
KRUS		eSg	Sb	11 47 38.2 +0.1	
FGSL	Fruska Gora	2.02 335 l/Pn	Pn	11 47 38.6 -0.3	
FRGS	Fruska Gora	2.02 335 l/Pn	Pn	11 47 38.6 -0.3	
TREB	Trebinje	2.05 254 e/Pn	Pb	11 47 40.8 -1.2	
TREB		eSg	Sb	11 48 03.9 +0.7	
TREB	Trebinje	2.05 254 e/Pn	Pb	11 47 40.3 +1.1	
TREB		eSg	Sb	11 48 07.0 -0.6	
TREB		eSg	Sb	11 48 08.3 +0.7	
BANR	Banloc	2.05 2 l/P	Pn	11 47 39.1 -0.2	
BANR		eSg	Sb	11 47 39.1 -0.2	
BANR	Banloc	2.05 2 l/P	Pn	11 47 39.1 -0.2	
BANR		eSg	Sb	11 47 39.1 -0.2	
HCY	Herceg Novi	2.05 245 l/Pn	Pn	11 47 40.2 +0.9	
HCY		eSg	Sb	11 48 06.6 -1.1	
HCY	Herceg Novi	2.05 245 e/Pn	Pn	11 47 39.6 +0.3	
HCY		eSg	Sb	11 48 06.1 +1.1	
SRE	Strehaia	2.06 49 l/P	Pn	11 47 40.1 +1.2	
SRE		eSg	Sb	11 47 40.7 +1.2	
SRE	Strehaia	2.06 49 l/P	Pn	11 47 40.1 +1.2	
SRE		eSg	Sb	11 47 40.7 +1.2	
TIR	Tirane	2.16 204 l/Pn	Pn	11 48 05.5 +0.2	
TIR		eSg	Sb	11 47 42.9 -0.9	
TIR	Tirane	2.16 204 l/Pn	Pn	11 48 08.8 +1.2	
TIR		eSg	Sb	11 47 42.9 -0.9	
OHR	Ohrid	2.22 184 l/Pn	Pn	11 47 42.2 +0.5	
OHR		eSg	Sb	11 47 42.2 +0.5	
VAY	Valandovo	2.31 150 l/Pn	Pn	11 47 42.9 0.0	
VAY		ePn	Pn	11 47 42.9 0.0	
VAY	Valandovo	2.31 150 l/Pn	Pn	11 47 42.9 0.0	
VAY		ePn	Pn	11 47 42.9 0.0	
VAY		eSg	Sb	11 48 11.5 +0.1	
VAY	Valandovo	2.31 150 l/Pn	Pn	11 48 11.5 +0.1	
VAY		eSg	Sb	11 48 11.5 +0.1	
BIA	Bitola	2.32 174 l/Pn	Pn	11 47 48.9 -0.1	
BIA		eSg	Sb	11 47 43.2 +0.2	
BIA	Bitola	2.32 174 l/Pn	Pn	11 47 48.9 -0.1	
BIA		eSg	Sb	11 47 43.2 +0.2	
BZS	Buzias	2.33 10 l/Pn	Pn	11 47 43.2 +0.2	
BZS		eSg	Sb	11 48 11.8 0.0	
BZS	Buzias	2.33 10 l/Pn	Pn	11 47 42.5 -0.5	
BZS		eSg	Sb	11 47 42.2 -0.8	
BZS	Buzias	2.33 10 l/Pn	Pn	11 47 42.5 -0.5	
BZS		eSg	Sb	11 47 42.5 -0.5	
FNA	Florina	2.56 174 l/Pn	Pn	11 47 47.4 +1.1	
FNA		eSg	Sb	11 48 18.2 +0.6	
FNA	Florina	2.56 174 l/Pn	Pn	11 47 47.4 +1.1	
FNA		eSg	Sb	11 48 18.2 +0.6	
KNT	Kendrikon	2.58 147 l/Pn	Pn	11 47 46.6 +0.1	
KNT		eSg	Sb	11 48 17.9 -0.1	
KNT	Kendrikon	2.58 147 l/Pn	Pn	11 47 46.6 +0.1	
KNT		eSg	Sb	11 48 17.9 -0.1	
GRG	Griva	2.58 156 l/Pn	Pn	11 47 47.0 +0.4	
GRG		eSg	Sb	11 48 18.5 +0.3	
GRG	Griva	2.58 156 l/Pn	Pn	11 47 47.0 +0.4	
GRG		eSg	Sb	11 48 18.5 +0.3	
NVR	Nevrokopi	2.89 132 l/Pn	Pn	11 47 51.2 +0.4	
NVR		eSg	Sb	11 48 26.7 +0.9	
NVR	Nevrokopi	2.89 132 l/Pn	Pn	11 47 51.2 +0.4	
NVR		eSg	Sb	11 48 26.7 +0.9	
LOT	Lotru	2.89 42 l/Pn	Pn	11 47 51.7 +0.7	
LOT		eSg	Sb	11 47 51.7 +0.7	
LOT	Lotru	2.89 42 l/Pn	Pn	11 47 51.7 +0.7	
LOT		eSg	Sb	11 47 51.7 +0.7	
SRR	Serrai	2.92 138 l/Pn	Pn	11 47 51.0 -0.3	
SRR		eSg	Sb	11 48 26.0 -0.5	
SRR	Serrai	2.92 138 l/Pn	Pn	11 47 51.0 -0.3	
SRR		eSg	Sb	11 48 26.0 -0.5	
SIRR	Siria	2.97 9 l/Pn	Pn	11 47 52.3 +0.4	
SIRR		eSg	Sb	11 48 25.7 -2.0	
SIRR	Siria	2.97 9 l/Pn	Pn	11 47 52.3 +0.4	
SIRR		eSg	Sb	11 48 25.7 -2.0	
SOH	Sokhos	3.05 144 l/Pn	Pn	11 47 53.1 +0.1	
SOH		eSg	Sb	11 48 30.5 +0.8	
SOH	Sokhos	3.05 144 l/Pn	Pn	11 47 53.1 +0.1	
SOH		eSg	Sb	11 48 30.5 +0.8	
HUMR	Humele	3.10 66 l/Pn	Pn	11 48 03.1 -0.9	
BLY	Banja Luka	3.11 298 l/Pn	Pn	11 47 54.4 +0.6	
BLY		eSg	Sb	11 48 32.8 +1.8	
ZIMR	Zim	3.18 83 l/Pn	Pn	11 48 36.0 +3.2	
ZIMR		eSg	Sb	11 48 36.0 +3.2	
ARR	Arges	3.30 51 l/Pn	Pn	11 47 58.2 +1.7	
ARR		eSg	Sb	11 47 58.2 +1.7	
ARR	Arges	3.30 51 l/Pn	Pn	11 47 58.2 +1.7	
ARR		eSg	Sb	11 47 58.2 +1.7	
VOIR	Voiron	3.58 53 l/Pn	Pn	11 48 01.7 +1.4	
VOIR		eSg	Sb	11 48 11.7 +1.4	
DRGR	Drigr	3.66 19 l/Pn	Pn	11 48 00.4 -1.1	
DRGR		eSg	Sb	11 48 00.4 -1.1	
DRGR	Drigr	3.66 19 l/Pn	Pn	11 48 00.4 -1.1	
DRGR		eSg	Sb	11 48 00.4 -1.1	
SGRR	Singureni	3.70 74 l/Pn	Pn	11 48 47.9 +2.3	
SGRR		eSg	Sb	11 48 47.9 +2.3	
SGRR	Singureni	3.70 74 l/Pn	Pn	11 48 47.9 +2.3	
SGRR		eSg	Sb	11 48 47.9 +2.3	
CJR	Ciu-Napoca	3.85 28 l/Pn	Pn	11 48 03.5 -0.5	
CJR		eSg	Sb	11 48 03.5 -0.5	
CJR	Ciu-Napoca	3.85 28 l/Pn	Pn	11 48 03.5 -0.5	
CJR		eSg	Sb	11 48 03.5 -0.5	
RDO	Rodhopi	4.00 122 l/Pn	Pn	11 48 06.5 +0.4	
RDO		eSg	Sb	11 48 06.5 +0.4	
RDO	Rodhopi	4.00 122 l/Pn	Pn	11 48 06.5 +0.4	
RDO		eSg	Sb	11 48 06.5 +0.4	
DOPR	Dopca	4.08 48 l/Pn	Pn	11 48 08.5 +1.3	
DOPR		eSg	Sb	11 48 08.5 +1.3	
DOPR	Dopca	4.08 48 l/Pn	Pn	11 48 08.5 +1.3	
DOPR		eSg	Sb	11 48 08.5 +1.3	
MLR	Muntele Rosu	4.14 57 l/Pn	Pn	11 48 09.6 +1.5	
MLR		eSg	Sb	11 48 09.6 +1.5	
MLR	Muntele Rosu	4.14 57 l/Pn	Pn	11 48 09.6 +1.5	
MLR		eSg	Sb	11 48 09.6 +1.5	
BEHE	Becsehely	4.35 318 l/Pn	Pn	11 48 11.5 +0.6	
BEHE		eSg	Sb	11 48 11.5 +0.6	
BEHE	Becsehely	4.35 318 l/Pn	Pn	11 48 11.5 +0.6	
BEHE		eSg	Sb	11 48 11.5 +0.6	
ISR	Istrita	4.36 64 l/Pn	Pn	11 48 02.1 +0.4	
ISR		eSg	Sb	11 48 13.2 +2.2	
ISR	Istrita	4.36 64 l/Pn	Pn	11 48 02.1 +0.4	
ISR		eSg	Sb	11 48 13.2 +2.2	
OZLJ	Ozalj	4.58 302 e/Pn	Pn	11 48 15.0 +0.9	
OZLJ		eSg	Sb	11 49 03.6 -3.7	
OZLJ	Ozalj	4.58 302 e/Pn	Pn	11 48 15.0 +0.9	
OZLJ		eSg	Sb	11 49 03.6 -3.7	
OZLJ	Novajia	4.61 288 l/Pn	Pn	11 48 15.0 +0.7	
OZLJ		eSg	Sb	11 48 15.0 +0.7	
OZLJ	Novajia	4.61 288 l/Pn	Pn	11 48 15.0 +0.7	
OZLJ		eSg	Sb	11 48 15.0 +0.7	
PSZ	Piszkesteto	4.66 351 l/Pn	Pn	11 48 15.0 -0.1	
PSZ		eSg	Sb	11 48 15.0 -0.1	
PSZ	Piszkesteto	4.66 351 l/Pn	Pn	11 48 15.0 -0.1	
PSZ		eSg	Sb	11 48 15.0 -0.1	
GOLS	Golise	4.69 307 l/Pn	Pn	11 48 16.3 +0.8	
GOLS		eSg	Sb	11 48 16.3 +0.8	
GOLS	Golise	4.69 307 l/Pn	Pn	11 48 16.3 +0.8	
GOLS		eSg	Sb	11 48 16.3 +0.8	
CRES	Cresnev	4.69 304 l/Pn	Pn	11 48 16.2 +0.7	

CRES	Cresnev	4.69 304 e/Pn	Pn	11 48 16.1 +0.6	
CRES		eSg	Sb	11 49 10.5 +0.4	
PLOR	Plostina	4.75 56 l/Pn	Pn	11 48 17.9 +1.6	
PLOR		eSg	Sb	11 48 17.9 +1.6	
VRI	Vriocioia	4.75 56 l/Pn	Pn	11 48 17.9 +1.6	
VRI		eSg	Sb	11 48 17.9 +1.6	
VRI	Vriocioia	4.75 56 l/Pn	Pn	11 48 17.9 +1.6	
VRI		eSg	Sb	11 48 17.9 +1.6	
DOBS	Dobrina	4.85 307 l/Pn	Pn	11 48 18.4 +0.6	
DOBS		eSg	Sb	11 48 18.4 +0.6	
DOBS	Dobrina	4.85 307 l/Pn	Pn	11 48 18.4 +0.6	
DOBS		eSg	Sb	11 48 18.4 +0.6	
VISS	Visnje	5.06 301 l/Pn	Pn	11 48 21.7 +1.1	
VISS		eSg	Sb	11 48 21.7 +1.1	
VISS	Visnje	5.06 301 l/Pn	Pn	11 48 21.7 +1.1	
VISS		eSg	Sb	11 48 21.7 +1.1	
PDKS	Podkum	5.09 305 l/Pn	Pn	11 48 21.8 +0.8	
PDKS		eSg	Sb	11 48 21.8 +0.8	
PDKS	Podkum	5.09 305 l/Pn	Pn	11 48 21.8 +0.8	
PDKS		eSg	Sb	11 48 21.8 +0.8	
PDKS	Podkum	5.09 305 l/Pn	Pn	11 48 21.8 +0.8	
PDKS		eSg	Sb	11 48 21.8 +0.8	







Table with columns: Station Name, Frequency, Power, Band, Azimuth, Elevation, SNR, and other technical details. Includes stations like IVIS, IGHG, GZT, GOBA, KBZ, etc.

Table with columns: Station Name, Frequency, Power, Band, Azimuth, Elevation, SNR, and other technical details. Includes stations like NIE, NIE, WSAR, ARU, etc.

Table with columns: Station Name, Frequency, Power, Band, Azimuth, Elevation, SNR, and other technical details. Includes stations like NVS, NVS, NVS, NVS, etc.



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

ISK 08 16:42:10.0, 38.67N:43.20E, h5km, MD2.7
CSEM 08 16:42:11.6, 0.2, 38.69N:43.21E, h5km, MD2.7, Error ellipse: s-maj=4.3km s-min=3.8km az=121.0

DDA 08 16:42:11.4, 38.67N:43.21E, h7km, MI3.1
ISC 08 16:42:11.2, 0.9, 38.67N:02.4323E:0.02, h18km, 2km, n31, c055/53, Turkey

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

BINT Bingol 2.15 276 ePn Pn 16 42 46.6 +0.4

CSEM 08 16:43:29.8:0.4, 38.74N:43.67E, h8km, MD2.8, Error ellipse: s-maj=10.3km s-min=5.1km az=108.0
ISK 08 16:43:29.7, 38.76N:43.65E, h8km, MD2.8
DDA 08 16:43:29.3, 38.71N:43.74E, h7km, MI2.8
ISC 08 16:43:29.3, 1.4, 38.73N:0.03:43.74E:0.04, h3km, 12km, n21, c112/37, Turkey

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

IDC 08 17:00:50.7:11.0, 31.35S:178.64W, h0km, mb3.6/3, mb1 3.8/3, mb1mx3.6/20, mbtmp3.5/3, Error ellipse: s-maj=446.1km s-min=49.2km az=155.0, Kermadec Islands region

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

ISC/JB 08 17:14:43.9:0.5, 37.65S:0.03:178.40E:0.06, h69km, 3km, mb4.6/9, Error ellipse: s-maj=7.9km s-min=5.1km az=165.2
NEIC 08 17:14:43.0:0.0, 37.41S:178.52E, h51km, mb4.8/5, ML4.5(WEL), After WEL.

WEL 08 17:14:45.3:0.4, 37.50S:178.34E, h44km, 2km, ML4.3/52, Mw4.0, Error ellipse: s-maj=2.9km s-min=2.6km az=90.0
WEL Fell from Gisborne to Bay of Plenty, maximum reported intensity MM 4.

IDC 08 17:14:45.3:4.0, 38.33S:178.59E, h78km, 22km, mb3.9/2, mb1 4.1/3, mb1mx3.6/26, mbtmp4.2/3, Error ellipse: s-maj=41.7km s-min=29.3km az=98.0
ISC 08 17:14:44.4:0.9, 37.60S:0.05:178.43E:0.06, h59km, 5km, n170, c28/08/165, mb4.8/9, 17C-11D, 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, WMGZ Waiomatatini S, PKGZ Pakihiroa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KARZ Kaharoa, PRRZ Kaharoa Road, ALRZ Allen Road, etc.



8d 17h

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Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
BHW		AML	AML		17 16 42.5					
BHW		AML	AML		17 16 43.9					
SNZO	South Karori	4.70 217	ePn	Pn	17 15 49.1 -3.5					
SNZO		eS	S	S	17 16 41.4 -4.3					
TCW	Tory Channel	4.83 220	ePn	Pn	17 15 51.4 -3.1					
TCW	Tory Channel	4.83 220	Pn	Pn	17 16 47.4 -3.1					
TCW		AML	AML		17 16 47.6					
TUWZ	Tuamarina	5.16 221	Pn	Pn	17 15 55.9 -3.1					
TUWZ		AML	AML		17 16 54.3					
NIWZ	Nelson	5.32 226	Pn	Pn	17 15 56.6					
BSWZ	Blackbirch Sta	5.41 219	Pn	Pn	17 15 58.9 -3.5					
QRZ	Quartz Range	5.60 233	Pn	Pn	17 16 02.5 -2.5					
THZ	Tophouse	5.95 224	ePn	Pn	17 16 06.8 -3.2					
THZ		eS	S	S	17 17 11.7 -5.0					
KHZ	Kahutara	6.02 225	Pn	Pn	17 16 06.4 -3.5					
KHZ		eS	S	S	17 16 07.9 -4.0					
KHZ	Kahutara	6.10 216	Pn	Pn	17 16 07.2 -1.2					
KHZ		Pn	Pn	Pn	17 16 07.6 -4.3					
DSZ	Denniston Nort	6.58 229	ePn	Pn	17 16 28.0 +1.0					
LTZ	Lake Taylor	7.00 220	Pn	Pn	17 16 20.1 -4.1					
LTZ		Pn	Pn	Pn	17 16 19.6 -4.6					
CTZ	Chatham Island	7.19 150	Pn	Pn	17 16 28.2 +1.4					
INZ	Inchbonnie	7.40 224	Pn	Pn	17 16 25.1 -4.6					
CRZL	Canterbury Las	7.42 215	ePn	Pn	17 16 26.0 -4.0					
CRZL	Canterbury Las	7.42 215	Pn	Pn	17 16 25.7 -4.3					
OXZ	Oxford	7.51 218	ePn	Pn	17 16 26.9 -4.3					
OXZ		Pn	Pn	Pn	17 17 03.3 -1.5					
OXZ	Oxford	7.51 218	Pn	Pn	17 16 26.1 -5.1					
MOZ	McQueen's Vall	7.51 214	ePn	Pn	17 16 27.4 -4.5					
MOZ		eS	S	S	17 17 42.4 -1.2					
MOZ	McQueen's Vall	7.51 214	Pn	Pn	17 16 25.7 -5.6					
WVZ	Waikaha Valley	8.02 225	Pn	Pn	17 16 36.6 -1.6					
RPZ	Rata Peaks	8.29 220	Pn	Pn	17 16 37.2 -4.7					
RPZ		S	S	S	17 18 03.7 -1.0					
RPZ	2.6nm,0.3s,baz=316,slow=2,SNR=17									
RPZ	Rata Peaks	8.29 220	Pn	Pn	17 16 38.1 -3.8					
FOZ	Fox Glacier	8.83 225	Pn	Pn	17 16 45.2 -4.1					
FOZ		Pn	Pn	Pn	17 16 45.2 -4.1					
FBZ	Fox Glacier	8.83 225	Pn	Pn	17 16 45.2 -4.1					
LBZ	Lake Benmore	9.21 220	ePn	Pn	17 16 52.0 -4.2					
LBZ		Pn	Pn	Pn	17 16 49.1 -5.3					
ODZ	Otauhu Downs	9.46 216	ePn	Pn	17 16 52.8 -5.1					
ODZ		Pn	Pn	Pn	17 16 52.2 -5.1					
WKZ	Wanaka	10.12 222	ePn	Pn	17 17 01.2 -5.7					
MLZ	Manora Lakes	10.95 222	ePn	Pn	17 17 13.3 -4.9					
BBOO	Buckleboe	34.74 265	eP	P	17 21 30.4 +1.5					
COEN	Coen	39.17 297	eP	P	17 22 08.1 +1.5					
AS01	Alice Springs	40.35 277	eP	P	17 22 17.4 +1.0					
AS31	Alice Springs	40.39 277	eP	P	17 22 17.5 +0.8					
ASAR	Alice Springs	40.39 277	P	P	17 22 17.6 +0.9					
ASAR		P	P	P	17 22 17.6 +0.9					
VNDA	Vanda	40.66 185	eP	sP	17 22 45.9 +5.8					
WB2	Warramunga Arr	42.04 282	eP	P	17 22 30.2 -0.1					
WRAB	Tennant Creek	42.04 282	eP	P	17 22 31.5 +1.2					
WR1	Warramunga Arr	42.04 282	eP	P	17 22 31.2 +0.8					
WRA	Warramunga Arr	42.04 282	P	P	17 22 31.2 +0.8					
WRA		P	P	P	17 22 31.2 +0.8					
XMAS	Kiritimati	45.34 35	eP	P	17 22 57.6 +0.9					
MTN	Manton Dam	48.74 288	eP	P	17 23 23.4 +0.1					
SYO	Syowa Base	69.43 195f	eP	P	17 25 45.0 -0.7					
FAIO	FINES Array S	150.57 333	ePKPbc	PKPbc	17 34 28.5 -0.1					
FINES	FINES Array B	150.57 333	ePKPbc	PKPbc	17 34 28.5 -0.1					
FINES		P	P	P	17 34 28.5 -0.1					
<p>ISK 08 17:14:53.8,37:75N-25:67E,h12km,ML3.2                  ATH 08 17:14:54.5,37:70N-25:85E,h30km,1km,ML3.3/13,Error                  ellipse: s-maj=1.5km s-min=0.6km az=103.0                  DDA 08 17:14:54.8,37:69N-25:85E,h4km,ML3.5                  ISCJB 08 17:14:54.3,37:72N-0:01-25:80E:0.02,h7km,4km,                  Error ellipse: s-maj=2.4km s-min=2.1km az=150.1                  CSEM 08 17:14:55.0,37:70N-25:81E,h10km,ML3.3,Error                  ellipse: s-maj=2.3km s-min=2.1km az=130.0                  THE 08 17:14:55.5,37:69N-25:87E,h12km,1km,ML3.5/12,Error                  ellipse: s-maj=1.1km s-min=0.4km az=84.0                  ISC 08 17:14:54.9,1.0,37:69N-0:01-25:84E:0.01,h13km,9km,                  #251,0.90/317,Dodecanese Islands</p>										
Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
APE	Apeiranthos	0.66 202	eP	Pg	17 15 06.9 -0.9					
APE		eS	S	S	17 15 18.2 +0.7					
APE	Apeiranthos	0.66 202	P	P	17 15 07.1 -0.7					
APE		S	S	S	17 15 18.2 +0.7					
APE		AML	AML		17 15 20.2					
APE	comp=N,3257um,0.3s									
APE		AML	AML		17 15 21.5					
APE	comp=E,3298um,0.4s									
APE	Apeiranthos	0.66 202	eP	Pg	17 15 06.9 -0.9					
APE		P	P	P	17 15 07.6 -0.2					
APE		S	S	S	17 15 17.9 +0.4					
APE		eS	S	S	17 15 18.2 +0.7					
APE	Apeiranthos	0.66 202	P	P	17 15 07.6 -0.2					
APE		S	S	S	17 15 17.9 +0.4					
APE		eS	S	S	17 15 18.2 +0.7					
APE		P	P	P	17 15 07.6 -0.2					
APE		S	S	S	17 15 17.9 +0.4					
APE		eS	S	S	17 15 18.2 +0.7					
APE	Apeiranthos	0.66 202	P	P	17 15 07.6 -0.2					
APE		S	S	S	17 15 17.9 +0.4					
APE		eS	S	S	17 15 18.2 +0.7					
APE		P	P	P	17 15 07.6 -0.2					
APE		S	S	S	17 15 17.9 +0.4					
APE		eS	S	S	17 15 18.2 +0.7					
APE	Apeiranthos	0.66 202	P	P	17 15 07.6 -0.2					
APE		S	S	S	17 15 17.9 +0.4					
APE		eS	S	S	17 15 18.2 +0.7					
APE		P	P	P	17 15 07.6 -0.2					
APE		S	S	S	17 15 17.9 +0.4					
APE		eS	S	S	17 15 18.2 +0.7					
APE	Apeiranthos	0.66 202	P	P	17 15 07.6 -0.2					
APE		S	S	S	17 15 17.9 +0.4					
APE		eS	S	S	17 15 18.2 +0.7					
APE		P	P	P	17 15 07.6 -0.2					
APE		S	S	S	17 15 17.9 +0.4					
APE		eS	S	S	17 15 18.2 +0.7					
APE	Apeiranthos	0.66 202	P	P	17 15 07.6 -0.2					
APE		S	S	S	17 15 17.9 +0.4					
APE		eS	S	S	17 15 18.2 +0.7					
APE		P	P	P	17 15 07.6 -0.2					
APE		S	S	S	17 15 17.9 +0.4					
APE		eS	S	S	17 15 18.2 +0.7					
APE	Apeiranthos	0.66 202	P	P	17 15 07.6 -0.2					
APE		S	S	S	17 15 17.9 +0.4					
APE		eS	S	S	17 15 18.2 +0.7					
APE		P	P	P	17 15 07.6 -0.2					
APE		S	S	S	17 15 17.9 +0.4					
APE		eS	S	S	17 15 18.2 +0.7					
APE	Apeiranthos	0.66 202	P	P	17 15 07.6 -0.2					
APE		S	S	S	17 15 17.9 +0.4					
APE		eS	S	S	17 15 18.2 +0.7					
APE		P	P	P	17 15 07.6 -0.2					
APE		S	S	S	17 15 17.9 +0.4					
APE		eS	S	S	17 15 18.2 +0.7					
APE	Apeiranthos	0.66 202	P	P	17 15 07.6 -0.2					
APE		S	S	S	17 15 17.9 +0.4					
APE		eS	S	S	17 15 18.2 +0.7					
APE		P	P	P	17 15 07.6 -0.2					
APE		S	S	S	17 15 17.9 +0.4					
APE		eS	S	S	17 15 18.2 +0.7					
APE	Apeiranthos	0.66 202	P	P	17 15 07.6 -0.2					
APE		S	S	S	17 15 17.9 +0.4					
APE		eS	S	S	17 15 18.2 +0.7					
APE		P	P	P	17 15 07.6 -0.2					
APE		S	S	S	17 15 17.9 +0.4					
APE		eS	S	S	17 15 18.2 +0.7					
APE	Apeiranthos	0.66 202	P	P	17 15 07.6 -0.2					

Table with columns: Code, Station Name, Az, El, P, S, Pg, Time, Res. Includes stations like GEVA, ADCV, BITLIS, Van-Muradiye, etc.

Table with columns: Code, Station Name, Az, El, P, S, Pg, Time, Res. Includes stations like CPUP, Villa Florida, CPUP, Villa Florida, etc.

Table with columns: Code, Station Name, Az, El, P, S, Pg, Time, Res. Includes stations like RKT, Rikitea, QSPA, South Pole Qui, etc.

SJA 08 17:18:01.7-0.3,34:17Sx73:00W,h1km,3km,ML5.3,MW4.9

IDC 08 17:18:09.4-0.3,34:18Sx72:04W,h0km,mb4.9/21,mb1.5/0.23,mb1mx5.0/28,mbtms.0/23,ML5.0/2,MS4.7/23,MS1.4/7.23,ms1mx4.6/28,Error ellipse: s-maj=17.0km s-min=8.8km az=96.0

GCMT 08 17:18:11.7-0.2,34:16Sx72:45W,h29km,MW5.3/81, Moment Tensor Solution. s59,c84; s81,c117; Duration: 1s1 Moment tensor: Scale 10^17Nm; Mrr:0.66t;0.3; Mss:0.08t;0.2; Mss:0.74t;0.2; Mss:0.22t;0.3; Mss:0.07t;0.1; Mss:0.77t;0.4; Best double couple: M1:0.06500x10^17 NP1:0.166,00000,0.689,00000,1.83,00000,0. NP2: 0.6,00000,0.322,00000,1.108,00000 Principal axes: T 1.0300,Plg65.0000,Azm1.0690,N 0.0690,Plg7.0000,Azm169.00000,P -1.0990,Plg24.0000,Azm262.00000; nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface waves, cutoff=50s.

ISCJB 08 17:18:11.5-0.6,34:16Sx02:72.25W,0.03,h25km,4km,mb5.2/23,MS4.7/23 Error ellipse: s-maj=4.2km s-min=3.3km az=16.0

BUI 08 17:18:11.7,34:10Sx72:10W,h11km,mb5.3/20,MS5.5/18,MS7.5/19

NEIC 08 17:18:11.7-0.9,34:14Sx71:95W,h16km,5km,mb5.3/217,ML5.2(GUC), Error ellipse: s-maj=4.5km s-min=2.7km az=81.0

NEIC Feil [V] at Curico, Linares, Longavi, Pelarco, Pichilemu, Romeral and San Clemente; [IV] at Chacapa, Constitución, Graneros, Molina, Navidad, Paredones, Parral, Pencoche, Flanquera, Rengo, San Fernando and Santa Cruz. Feil widely in central Chile from Vina del Mar to Talca.

GUC 08 17:18:12.1-0.7,34:19Sx72:20W,h26km,4km,ML5.2

MOS 08 17:18:14.1-1.0,34:01Sx72:12W,h37km,mb5.3/53,MS4.6/7, Error ellipse: s-maj=14.7km s-min=7.1km az=96.9

ISC 08 17:18:09.5-0.5,34:13Sx02:72.21W,0.03,h4km,2km,ns5km;P-P,n953,01920/985,mb5.3/235,MS4.7/24,10C-18D, Near coast of central Chile

Table with columns: Code, Station Name, Az, El, P, S, Pg, Time, Res. Includes stations like CHPI, G005, G005, G005, etc.

Table with columns: Code, Station Name, Az, El, P, S, Pg, Time, Res. Includes stations like CPUP, Villa Florida, CPUP, Villa Florida, etc.

Table with columns: Code, Station Name, Az, El, P, S, Pg, Time, Res. Includes stations like RKT, Rikitea, QSPA, South Pole Qui, etc.

8d 17h

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238A	Jacksonville	69.22 339	P	P	17 29 18.7 +1.4
474A	UCPARC, Winfie	69.24 346	P	P	17 29 18.3 +0.8
243A	Armstrong Fami	69.33 343	P	P	17 29 18.5 +0.6
JCT	Junction City	69.34 335	P	P	17 29 19.2 +1.1
JCT	Junction City	69.34 335	eP	pmax	17 29 18.9 +0.7
JCT	Junction City	69.34 335	eP	P	17 29 18.9 +0.7
140A	Cam and Jess,	69.39 341	P	P	17 29 19.9 +1.6
237A	Washetta, Mont	69.43 339	P	P	17 29 20.2 +1.5
Y46A	Houston	69.43 345	P	P	17 29 19.3 +0.7
KMSC	Kings Mountain	69.44 352	P	P	17 29 19.2 +0.6
KMSC	Kings Mountain	69.44 352	eP	P	17 29 18.9 +0.3
BG3	Lake Jocassee	69.49 351	eP	P	17 29 19.5 +0.6
Z42A	Norrel Spur, H	69.56 342	P	P	17 29 20.6 +1.2
Y45A	Yeager Farm, C	69.55 345	P	P	17 29 20.9 +1.4
236A	Katherine and	69.65 338	P	P	17 29 21.2 +1.2
139A	Bunkhouse Ranc	69.65 340	P	P	17 29 21.5 +1.6
Z41A	Richland Creek	69.76 342	P	P	17 29 22.2 +1.5
LTX	Lajitas	69.77 331	eP	P	17 29 22.4 +1.4
LTX	Lajitas	69.77 331	eP	P	17 29 22.4 +1.4
TX31	Lajitas Ar. Si	69.77 331	eP	P	17 29 21.6 +0.6
TXAR	Lajitas Array	69.77 331	eP	P	17 29 22.4 +1.4
TXAR	LR				17 55 52.1
138A	Matatal Enter	69.83 340	P	P	17 29 22.6 +1.5
Y43A	Makayla and Ka	69.92 343	P	P	17 29 22.9 +1.3
Z40A	Long Farm, Mag	69.92 341	P	P	17 29 23.2 +1.6
WHXT	Lake Whitney,	69.93 337	P	P	17 29 22.9 +1.2
WHXT	Lake Whitney,	69.93 337	eP	P	17 29 22.9 +1.2
137A	Heron Place, G	69.97 339	P	P	17 29 23.6 +1.6
Y42A	Garnett, Star	70.06 343	P	P	17 29 23.7 +1.3
X45A	UM Field Stati	70.07 345	P	P	17 29 23.1 +0.6
PPT2	Papeete2	70.07 262	eS	S	17 38 30.1 -4.9
PPT2	Papeete2	70.07 262	eLR	LR	17 50 51.0
PPT	Papeete1	70.08 262	P	P	17 29 24.8 +1.6
PPT	LR				17 54 21.7
136A	Ennis	70.09 338	P	P	17 29 24.0 +1.3
Z39A	Irene McRaven,	70.12 341	P	P	17 29 24.3 +1.4
CCAR	Cane Creek	70.13 343	eP	P	17 29 23.5 +0.6
OXF	Oxford	70.16 345	eP	pmax	17 29 23.9 +0.8
OXF	LR				17 29 23.9 +0.8
OXF	Oxford	70.16 345	eP	P	17 29 23.9 +0.8
CPCT	Cooper Cave	70.17 349	eP	P	17 29 23.7 +0.6
SWET	Sewanee	70.17 348	eP	P	17 29 23.9 +0.7
WLAR	White Oak Lake	70.25 342	eP	P	17 29 25.4 +1.7
TKL	Tuckaleechee C	70.26 350	eP	pmax	17 29 24.1 +0.4
TKL	TKL				17 29 24.1 +0.4
TKL	Tuckaleechee C	70.26 350	eP	P	17 29 24.1 +0.4
X44A	Crenshaw	70.31 344	P	P	17 29 25.9 +2.0
Y41A	Eagleite Beard	70.31 342	P	P	17 29 25.3 +1.3
PLAL	Pickwick Lake	70.33 346	eP	P	17 29 24.3 +0.1
Z38A	Nit. Pleasant	70.36 340	P	P	17 29 25.8 +1.5
Z37A	Pogue Cattle C	70.49 339	P	P	17 29 26.3 +1.1
X43A	Marvell	70.49 344	P	P	17 29 26.1 +1.0
Y40A	Okolona	70.60 342	P	P	17 29 26.7 +0.9
X42A	Stuttgart	70.70 343	P	P	17 29 27.3 +0.9
W45A	Hickory Valley	70.73 345	P	P	17 29 27.5 +0.9
Y39A	Lockesburg	70.75 341	P	P	17 29 27.9 +1.1
Z36A	Blue Ridge	70.80 339	P	P	17 29 27.8 +0.8
W44A	Shelby Farms P	70.85 345	P	P	17 29 27.8 +0.6
MET	Memphis-Engin	70.86 345	eP	P	17 29 29.1 +1.8
X41A	Kaden, Bauxite	70.86 342	P	P	17 29 28.3 +0.9
Y38A	Idabel	70.92 340	P	P	17 29 28.9 +1.1
X40A	Basin Creek Fa	70.94 342	P	P	17 29 28.5 +0.6
W43A	Forest City	71.00 344	P	P	17 29 28.9 +0.8
UALR	University of	71.09 343	eP	P	17 29 29.2 +0.5
MIAR	Mount Ida	71.19 341	P	P	17 29 30.0 +0.6
MIAR	Mount Ida	71.19 341	eP	pmax	17 29 30.0 +0.6
MIAR	Mount Ida	71.19 341	eP	P	17 29 29.9 +0.6
Y37A	Hugo	71.22 340	P	P	17 29 30.6 +1.0
ABTX	Ablene, Hawle	71.23 336	P	P	17 29 30.5 +0.7
ABTX	Ablene, Hawle	71.23 336	eP	P	17 29 30.8 +1.0
V45A	Humboldt	71.25 346	P	P	17 29 29.9 +0.2
X39A	Fountain Ranch	71.30 341	P	P	17 29 31.1 +1.0
Y36A	Durant	71.34 339	P	P	17 29 31.2 +0.9
W42A	Bald Knob	71.36 343	P	P	17 29 30.6 +0.2
WVCC	Virginia Weste	71.38 353	eP	P	17 29 31.5 +1.1
BLA	Blacksburg	71.38 353	eP	pmax	17 29 31.3 +0.8
BLA	Blacksburg	71.38 353	eP	P	17 29 31.3 +0.8
WVT	Waverly	71.40 347	eP	pmax	17 29 30.6 0.0
WVT	Waverly	71.40 347	eP	P	17 29 30.6 0.0
WVT	Waverly	71.40 347	eP	P	17 29 30.6 0.0
W41B	Gary Mavity, V	71.44 343	P	P	17 29 31.5 +0.7
URVA	University of	71.50 356	eP	P	17 29 31.9 +0.7
X301	Greenbrier Sit	71.54 343	eP	P	17 29 32.1 +0.6
WHAR	Woolly Hollow	71.56 343	eP	P	17 29 32.4 +0.7
Y35A	Marietta	71.57 338	P	P	17 29 32.8 +1.1
X38A	Whitesboro	71.64 340	P	P	17 29 33.0 +0.9

JSRW	J. Sargeant Re	71.65 355	eP	P	17 29 33.0 +1.0
W40A	Ferguson Farm,	71.67 342	P	P	17 29 33.3 +1.1
W40A	Ferguson Farm,	71.67 342	eP	P	17 29 33.0 +0.8
X37A	Clayton	71.72 340	P	P	17 29 33.2 +0.6
X37A	Clayton	71.72 340	eP	P	17 29 33.1 +0.5
U45A	Rockin' P Farm,	71.79 346	P	P	17 29 33.5 +0.6
V42A	Cord	71.84 344	P	P	17 29 33.5 +0.2
W39A	Megazine	71.86 342	P	P	17 29 34.4 +1.1
IP07	Quail	71.88 355	eP	P	17 29 34.7 +1.2
IP06	Yanceyville	71.89 355	eP	P	17 29 34.6 +1.1
U44B	Burton Farm, H	71.90 346	P	P	17 29 34.6 +1.0
IP01	Cuckoo	71.91 355	eP	P	17 29 34.6 +1.0
W38A	Poteau	71.93 341	P	P	17 29 35.1 +1.2
IP03	Louisa	71.98 355	eP	P	17 29 35.0 +0.9
X36A	Centerville	71.98 339	P	P	17 29 34.1 0.0
V41A	Mountainview	72.00 343	P	P	17 29 34.5 +0.2
X35A	Drake	72.01 339	P	P	17 29 34.7 +0.4
CVRD	Centerville Ro	72.02 355	eP	P	17 29 35.5 +1.2
PTRD	Partlow Road	72.06 356	eP	P	17 29 35.1 +0.7
IP04	Greensprings	72.06 355	eP	P	17 29 35.8 +1.2
SPFD	Potsylvania F	72.06 356	eP	P	17 29 35.5 +0.9
U44A	Spotville	72.13 345	P	P	17 29 35.6 +0.6
U43A	Rector	72.16 345	P	P	17 29 35.4 +0.2
V40A	White Springs	72.19 343	P	P	17 29 35.6 +0.2
U42A	Reviden	72.33 344	P	P	17 29 36.4 +0.2
V39A	Petrew	72.43 342	P	P	17 29 37.4 +0.5
W36A	Wetumka	72.48 340	P	P	17 29 37.1 0.0
W36A	Wetumka	72.48 340	eP	P	17 29 36.5 -0.6
U41A	Viola	72.48 343	P	P	17 29 37.5 +0.4
MNTX	Cornudas Mount	72.55 331	P	P	17 29 37.6 0.0
MNTX	Cornudas Mount	72.55 331	eP	P	17 29 37.6 0.0
PBMO	Poplar Bluff	72.56 345	eP	P	17 29 37.7 +0.2
V38A	Garland	72.65 341	P	P	17 29 38.5 +0.3
T44A	Benton	72.67 346	P	P	17 29 38.5 +0.3
W35A	Tecumseh	72.68 339	P	P	17 29 38.5 +0.3
W35A	Tecumseh	72.68 339	eP	P	17 29 38.0 -0.3
HSIG	comp-Z,38nm,1.4s	72.71 325	eP	P	17 29 38.5 -0.1
U40A	Yellville	72.72 343	P	P	17 29 39.0 +0.4
T43A	Greenville	72.82 345	P	P	17 29 39.3 +0.2
V37A	Hubert	72.87 341	P	P	17 29 39.5 +0.1
WMOK	Wichita Mounta	72.89 337	P	P	17 29 39.7 +0.1
WMOK	Wichita Mounta	72.89 337	eP	P	17 29 39.5 -0.1
WMOK	Wichita Mounta	72.89 337	eP	P	17 29 39.5 -0.1
WMOK	Wichita Mounta	72.89 337	eP	P	17 29 39.9 -1.0
U39A	Green Forest	72.90 342	P	P	17 29 39.9 +0.2
HHAR	Hobbs	72.92 342	eP	P	17 29 40.1 +0.3
V36A	Jenks	73.00 340	P	P	17 29 40.7 +0.5
V36A	Jenks	73.00 340	eP	P	17 29 40.4 +0.2
S45A	Carrier Mills	73.04 346	P	P	17 29 40.5 +0.1
TUL1	Leonard	73.07 340	P	P	17 29 41.1 +0.4
TUL1	Leonard	73.07 340	P	P	17 29 40.9 +0.2
MAW	Mawson	73.10 164	P	P	17 29 40.9 +0.4
MAW	LR				18 04 34.5
T41A	Mountain View	73.11 344	P	P	17 29 41.2 +0.4
USIN	University of	73.15 347	eP	P	17 29 40.8 -0.3
U38A	Gravette	73.19 341	P	P	17 29 41.2 -0.1
S44A	Carbondale	73.19 346	P	P	17 29 41.3 0.0
V35A	Meyer Ranch, C	73.24 339	P	P	17 29 41.5 -0.1
V35A	Meyer Ranch, C	73.24 339	eP	P	17 29 42.0 +0.3
S43A	Fulton Ridge,	73.24 345	P	P	17 29 41.4 -0.2
SDMO	Soldier's Deli	73.29 356	eP	P	17 29 41.9 0.0
U37A	Salina	73.35 341	P	P	17 29 42.4 +0.2
T40A	Mansfield	73.39 343	P	P	17 29 42.4 -0.1
T39A	Cleaver	73.48 342	P	P	17 29 43.3 +0.3
U36A	Oologah	73.51 340	P	P	17 29 43.1 -0.1
MSTX	Muleshoe	73.56 334	P	P	17 29 43.8 +0.1
MSTX	Muleshoe	73.56 334	eP	P	17 29 44.2 +0.5
S42A	Caledonia	73.59 345	P	P	17 29 43.6 -0.1
S41A	Jillico Farms,	73.63 344	P	P	17 29 44.2 +0.4
R44A	Waltonville	73.69 346	P	P	17 29 43.8 -0.5
FVM	French Village	73.72 345	eP	pmax	17 29 44.5 +0.1
FVM	French Village	73.72 345	eP	P	17 29 44.5 +0.1
T38A	Diamond	73.73 342	P	P	17 29 44.8 +0.3
PSUB	Penn St. - Bra	73.75 357	eP	P	17 29 45.2 +0.7
U35A	Pawnee	73.77 340	P	P	17 29 45.3 +0.6
U35A	Pawnee	73.77 340	eP	P	17 29 45.2 +0.5
S40A	Lebanon	73.81 343	P	P	17 29 45.7 +0.7
MV1	Millersville	73.86 357	eP	P	17 29 46.0 +0.8
Q47A	Bedon North L	73.88 349	P	P	17 29 46.2 +0.8
R43A	Red Bud	73.89 346	P	P	17 29 45.3 -0.1
CCM	Cathedral Cave	73.96 344	eP	pmax	17 29 46.1 +0.3
CCM	Cathedral Cave	73.96 344	eP	P	17 29 46.1 +0.3
T37A	Cheneyville 18	73.97 341	P	P	17 29 46.0 +0.1
R42A	Lebanon	73.98 345	P	P	17 29 46.8 +0.3

N41A	Harden Midland baz=164,SNR=7.0	76.42 346	P	P	17 29 59.9	0.0
O38A	Galt baz=162	76.44 343	P	P	17 30 00.1	0.0
TRY	Troy comp=Z,36nm,0.9s	76.50 359	eP	P	17 30 01.4	+1.1
P35A	Duane Minner, baz=160,SNR=5.5	76.53 341	P	P	17 30 00.1	-0.5
M44A	Midewin, Midew baz=161	76.54 348	P	P	17 30 00.6	0.0
O37A	Wolven Farm, M baz=161,SNR=9.8	76.65 344	P	P	17 30 01.2	-0.1
MMNV	Mt. Morris Dam comp=Z,33nm,0.9s	76.66 356	eP	P	17 30 02.0	+0.7
N40A	Mertquake, Sal baz=163,SNR=5.5	76.75 345	P	P	17 30 01.4	-0.4
M43A	Waltham Townsh baz=166	76.75 347	P	P	17 30 01.8	+0.1
P34A	Walnut Farm, R baz=159,SNR=5.8	76.76 341	P	P	17 30 02.3	+0.4
O36A	Bolckow baz=161	76.82 342	P	P	17 30 01.9	-0.3
X18A	Snowflake comp=Z,12nm,1.0s	76.91 329	eP	P	17 30 04.9	+1.8
M42A	Sheffield baz=165	76.92 347	P	P	17 30 02.5	-0.2
CBKS	Cedar Bluff baz=161	76.93 338	P	P	17 30 03.6	+0.7
N39A	Derby Farms, D baz=163,SNR=15	76.94 344	P	P	17 30 02.7	-0.1
T25A	Trinidad baz=153	76.98 334	P	P	17 30 05.0	+1.5
T25A	Trinidad comp=Z,32nm,0.9s	76.98 334	eP	P	17 30 05.2	+1.7
M41A	Milan baz=164,SNR=6.2	77.00 346	P	P	17 30 02.9	-0.3
N38A	Joess South For baz=162	77.03 344	P	P	17 30 03.5	+0.1
MHTCO	State Highway comp=Z,25nm,0.8s	77.07 334	eP	P	17 30 05.8	+1.8
ACCN	Adirondack Com comp=Z,47nm,1.3s	77.15 359	eP	P	17 30 05.3	+1.4
O35A	Humboldt baz=160	77.19 342	P	P	17 30 03.8	-0.4
N37A	Lee Faris, Mou baz=161	77.22 343	P	P	17 30 04.7	+0.3
FFD	Franklin Falls comp=Z,40nm,0.9s	77.23 0 eP	P	P	17 30 05.9	+1.5
M40A	Post Highland baz=163	77.23 345	P	P	17 30 04.3	-0.1
L44A	Lake County Fo baz=166	77.29 348	P	P	17 30 04.9	+0.2
W18A	Petrified Fore baz=149	77.32 329	P	P	17 30 06.5	+1.1
W18A	Petrified Fore comp=Z,36nm,1.3s	77.32 329	eP	P	17 30 07.3	+1.9
O34A	Beatrice baz=159,SNR=5.1	77.32 341	P	P	17 30 05.1	+0.1
L42A	Oliver, Polo baz=165	77.44 347	P	P	17 30 05.7	0.0
L43A	Garden Prairie baz=166	77.44 347	P	P	17 30 05.8	+0.1
M39A	Webster baz=163	77.44 345	P	P	17 30 05.8	+0.1
HNH	Hanover comp=Z,28nm,0.6s	77.46 360	eP	P	17 30 07.1	+1.4
N36A	Muff Farm, Cl baz=161	77.46 343	P	P	17 30 06.0	+0.2
O33A	Hebron baz=158	77.46 340	P	P	17 30 06.3	+0.5
X16A	Lo Mia Camp, P comp=Z,20nm,1.1s	77.46 328	eP	P	17 30 08.2	+1.9
M38A	Pleasantville baz=162,SNR=11	77.61 344	P	P	17 30 06.6	0.0
L41A	Preston baz=164,SNR=7.2	77.67 346	P	P	17 30 06.7	-0.2
N35A	Tabor baz=160,SNR=7.0	77.68 342	P	P	17 30 07.1	+0.1
NCB	Newcomb comp=Z,0.2nm,1.0s	77.75 359	eP	P	17 30 08.4	+1.1
MDV	Middebury baz=163	77.76 359	eP	P	17 30 07.8	+0.4
M37A	Trindle baz=161,SNR=9.2	77.80 343	P	P	17 30 08.0	+0.4
L40A	Anamosa baz=164,SNR=7.2	77.80 346	P	P	17 30 07.7	0.0
N34A	Lincoln baz=159	77.88 341	P	P	17 30 08.6	+0.5
GLA	Glamis baz=145	77.90 324	P	P	17 30 09.9	+1.4
SDCO	Great Sand Dun baz=152	77.92 334	P	P	17 30 09.8	+1.0
SDCO	Great Sand Dun comp=Z,6.9nm,0.9s	77.92 334	eP	P	17 30 09.8	+1.0
LBNH	Lisbon comp=Z,31nm,0.9s	78.00 0 eP	P	P	17 30 10.0	+1.3
LBNH	Lisbon comp=Z,31nm,0.9s	78.00 0 eP	P	P	17 30 10.0	+1.3
L39A	Vinton baz=163	78.02 345	P	P	17 30 10.1	+1.2
M36A	Felix, Anita baz=161	78.03 343	P	P	17 30 09.6	+0.7
KSCO	Kaye Shedlock baz=154	78.04 336	P	P	17 30 10.2	+1.0
SCIA	State Center comp=Z,70nm,1.4s	78.08 344	eP	P	17 30 09.3	+0.1
K42A	Prairie Point, baz=165,SNR=8.9	78.13 347	P	P	17 30 09.6	+0.1
K41A	Shultsb baz=165,SNR=11	78.14 346	P	P	17 30 09.8	+0.3
L38A	Oak Wood Farm, baz=162,SNR=5.7	78.25 344	P	P	17 30 09.9	-0.2
M35A	Neola baz=160	78.26 342	P	P	17 30 10.8	+0.6
Y12C	Blythe baz=145	78.33 325	P	P	17 30 12.8	+2.0
Y12C	Blythe comp=Z,9.3nm,0.8s	78.33 325	eP	P	17 30 13.0	+2.2
WVL	Waterville comp=Z,29nm,0.9s	78.35 2 eP	P	P	17 30 12.0	+1.4
WUAZ	Wupatki baz=148	78.36 328	P	P	17 30 12.8	+1.7
WUAZ	Wupatki comp=Z,18nm,1.0s	78.36 328	eP	P	17 30 13.0	+1.8
K40A	Colesburg baz=164,SNR=5.8	78.39 346	P	P	17 30 10.9	-0.1
LONY	Lake Ozonia comp=Z,27nm,1.0s	78.41 359	eP	P	17 30 11.9	+0.4
L37A	Phoenix Point, baz=162	78.41 344	P	P	17 30 11.5	+0.4
S22A	4UR Ranch, Cre baz=151	78.42 333	P	P	17 30 12.7	+1.1
S22A	4UR Ranch, Cre comp=Z,21nm,1.5s	78.42 333	eP	P	17 30 12.8	+1.3
JFWS	Jewell Farm comp=Z,28nm,0.8s	78.43 347	eP	P	17 30 11.7	+0.6
JFWS	Jewell Farm comp=Z,28nm,0.8s	78.43 347	eP	P	17 30 11.7	+0.6
M34A	Aspy Farms, Fr baz=163	78.53 342	P	P	17 30 11.8	+0.1
J43A	Natural Harves baz=166	78.54 348	P	P	17 30 12.0	+0.2
K39A	Oelwein baz=163	78.56 345	P	P	17 30 11.9	+0.1
EMMW	East Machias comp=Z,44nm,0.9s	78.58 3 eP	P	P	17 30 14.0	+2.1
FRNY	Flat Rock comp=Z,29nm,0.9s	78.60 359	eP	P	17 30 12.6	+0.6
MVCO	Mesa Verde baz=150	78.60 331	eP	P	17 30 14.2	+1.6
L36A	Harm Buss Farm baz=161	78.61 343	P	P	17 30 12.2	+0.1
J42A	Columbus baz=166,SNR=6.9	78.61 347	P	P	17 30 12.3	+0.2
K38A	Parkersburg baz=163	78.69 345	P	P	17 30 12.7	+0.1
BC3	Big Chuckawall baz=144	78.69 324	P	P	17 30 14.5	+1.6
M33A	Taylor Creek F baz=159	78.75 341	P	P	17 30 12.9	-0.1
SADO	Sadowa comp=Z,104nm,21.8s	78.78 355	LR	LR	18 05 17.2	
SADO	Sadowa comp=Z,11nm,0.8s	78.78 355	eP	P	17 30 13.0	0.0
J41A	Loganville baz=162	78.82 347	P	P	17 30 13.4	+0.1

BGNE	Belgrade baz=165,SNR=5.9	78.86 340	P	P	17 30 14.2	+0.6
BGNE	Belgrade comp=Z,42nm,0.6s	78.86 340	eP	P	17 30 14.5	+0.9
Q24A	Divide baz=152	78.87 334	P	P	17 30 15.2	+1.1
Q24A	Divide comp=Z,19nm,0.8s	78.87 334	eP	P	17 30 15.4	+1.4
L34A	Svendsen Farm, baz=160	78.91 342	P	P	17 30 13.7	-0.1
IRM	Iron Mountain baz=145	78.96 325	P	P	17 30 16.2	+1.9
J40A	Soldiers Grove baz=164,SNR=10	78.99 346	P	P	17 30 14.0	-0.2
I43A	Langenfeld Bro baz=166	78.99 348	P	P	17 30 14.5	+0.3
K37A	Belmond baz=162	79.00 344	P	P	17 30 14.3	0.0
GGN	Saint George comp=Z,32nm,0.8s	79.02 4 eP	P	P	17 30 15.7	+1.4
K36A	Gilmore City baz=161	79.06 343	P	P	17 30 14.9	+0.3
PKME	Peaks-Kenny Pk comp=Z,30nm,0.8s	79.09 2 eP	P	P	17 30 16.0	+1.4
J39A	Decorah baz=154	79.12 346	P	P	17 30 14.9	0.0
I42A	Draeger Farm, baz=166	79.12 348	P	P	17 30 15.1	+0.2
W13A	Hualapai Mount comp=Z,8.7nm,0.9s	79.14 326	eP	P	17 30 17.4	+1.9
XFWO	Pisado Flat comp=Z,15nm,0.9s	79.15 324	eP	P	17 30 17.7	+2.2
PFO	Pinyon Flats O comp=Z,214nm,21.3s	79.15 324	LR	LR	17 58 21.2	
PFO	Pinyon Flats O baz=144	79.15 324	P	P	17 30 17.0	+1.5
PFO	Pinyon Flats O baz=161	79.15 324	eP	P	17 30 17.4	+1.9
PFO	Pinyon Flats O baz=161	79.15 324	eP	P	17 30 17.4	+1.9
PFO	Pinyon Flats O comp=Z,17nm,0.8s	79.15 324	eP	P	17 30 17.8	+0.6
J36A	Wedel Dairy, R baz=163	79.27 345	P	P	17 30 15.8	+0.1
TSUM	Tsumeb comp=Z,34nm,1.2s	79.32 106 eP	P	P	17 30 17.3	+0.4
L32A	Elgin baz=168	79.38 341	P	P	17 30 16.7	+0.4
PV01	Paradox Valley comp=Z,8.7nm,0.9s	79.43 332	eP	P	17 30 18.5	+1.5
I40A	Norwalk baz=164	79.44 347	P	P	17 30 16.8	+0.2
I41A	Arkdale baz=165	79.46 347	P	P	17 30 16.8	0.0
J37A	Redenvis Farm, baz=162	79.49 344	P	P	17 30 17.3	+0.3
H43A	Windswept, Lux baz=167	79.50 349	P	P	17 30 17.5	+0.6
K34A	Le Mars baz=160	79.51 342	P	P	17 30 17.3	+0.2
U15A	North Rim comp=Z,15nm,1.0s	79.53 328	eP	P	17 30 19.4	+1.7
I39A	Houston baz=164,SNR=7.8	79.58 346	P	P	17 30 17.3	-0.1
OGNE	Ogallala baz=155	79.59 337	P	P	17 30 18.6	+0.9
PV05	Paradox Valley baz=163	79.59 331 eP	P	P	17 30 19.4	+1.5
H42A	Shiocton baz=166	79.66 348	P	P	17 30 18.3	+0.5
J36A	Seneca 1, Swea baz=161	79.69 344	P	P	17 30 18.4	+0.3
GMRC	Granite Mounta baz=144	79.71 325	P	P	17 30 20.4	+1.8
SMCO	Snowmass comp=Z,19nm,1.0s	79.72 333	eP	P	17 30 20.8	+1.9
ISCO	Idaho Springs baz=152	79.78 334	P	P	17 30 19.9	+0.9
ISCO	Idaho Springs comp=Z,11nm,1.0s	79.78 334	eP	P	17 30 20.5	+1.5
ISCO	Idaho Springs comp=Z,11nm,1.0s	79.78 334	eP	P	17 30 20.5	+1.5
PV10	Paradox Valley LMN	79.82 331 eP	P	P	17 30 20.4	+1.2
LMN	Caledonia Moun comp=Z,29nm,0.9s	79.89 5 eP	P	P	17 30 20.0	+1.0
I38A	Scanlon Farm, baz=163,SNR=7.1	79.93 345	P	P	17 30 19.2	-0.1
J35A	Milford baz=161	79.93 343	P	P	17 30 19.4	0.0
H41A	Junction City baz=165	79.96 347	P	P	17 30 19.4	-0.1
PV09	Paradox Valley TRQ	79.97 331 eP	P	P	17 30 21.4	+1.4
TRQ	Mont Tremblant J34A	80.00 358 eP	P	P	17 30 20.8	+1.1
J34A	George baz=160	80.04 343	P	P	17 30 20.1	+0.1
HEC	Hector,Ludlow baz=144	80.07 324	P	P	17 30 22.3	+1.9
H40A	Chili baz=165	80.10 347	P	P	17 30 20.6	+0.3
I37A	Lemond, Waseca baz=162	80.13 345	P	P	17 30 21.3	+0.9
BOSA	Boshof comp=Z,34nm,0.9s	80.14 118 eP	P	P	17 30 21.7	+0.5
BOSA	Boshof comp=Z,238nm,18.1s	80.14 118 eP	LR	LR	18 03 52.8	
BOSA	Boshof comp=Z,238nm,18.1s	80.14 118 eP	P	P	17 30 21.3	0.0
BOSA	Boshof comp=Z,58nm,1.1s	80.14 118 eP	P	P	17 30 21.3	0.0
BOSA	Boshof comp=Z,58nm,1.1s	80.14 118 eP	P			

8d 17h

Table with columns: Call ID, Name, Azimuth, Elevation, P, S, Azimuth, Elevation, P, S. Includes stations like Grand Marais, Remer, Sawbill, Embarrass, Park Rapids, etc.

2011 NOV

Table with columns: Call ID, Name, Azimuth, Elevation, P, S, Azimuth, Elevation, P, S. Includes stations like Macdoel, Callahan, KHMH, YBHM, YBHM, BMO, BMO, BMO, etc.

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Table with columns: Call ID, Name, Azimuth, Elevation, P, S, Azimuth, Elevation, P, S. Includes stations like PDSI, MTKI, MTKI, Sintang, POona, BRVK, BRVK, KSM, etc.



8d 17h

Table with columns: ARU, comp, 20.53, 25, i, P, P, 17 29 31.6 +0.3, etc. Lists various radio stations and their frequencies.

2011 NOV

Table with columns: NEIC 08 17:31:30.7, 0.2, 25.01S, 70:21W, mb4.7/19, Error ellipse: s-maj=8.8km, s-min=4.8km, az=85.0, etc. Lists radio stations and their frequencies.

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Table with columns: SDCO Great Sand Dun 70.52 331 eP, SDCO Vanda 73.23 190 pP, SDCO Lo Mia Camp, P 70.70 325 eP, etc. Lists radio stations and their frequencies.

SJA 08 17:31:24.7, 0.8, 24.89S, 70:80W, h34km, 2.2km, ML4.7, MW4.4

ISCJB 08 17:31:29.3, 0.3, 24.99S, 0:02, 70:32W, 0:05, h61km, 3km, mb4.0/27, Error ellipse: s-maj=7.3km s-min=3.0km

IDC 08 17:42:45.2, 0.6, 9.66S, 129:11E, h0km, mb3.5/1,





8d 18h

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

IDC 08 18:30:35.5-1.1, 19.945x168.13E, h0km, mb3.9/5, mb1 4.1/19, mb1mx3.7/36, mbmt3.9/6, ML3.9/1, MS2.3/1, Ms1 2.3/1, ms1mx2.3/28, Error ellipse: s-maj=99.6km s-min=34.8km az=106.0, Vanuatu Islands

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

NIED 08 18:35:00, 37.70N, 144.00E, h5km, Mw4.3 Best double couple: M3.250000+1015, NP1.0+46.00000, S25.00000, L-03.00000, NP2.0+118.00000, S65.00000, L-1.93.00000

IDC 08 18:35:10.7-0.7, 37.54N, 144.26E, h0km, mb3.9/14, mb1 4.1/19, mb1mx4.0/44, mbmt3.9/19, ML3.9/4, MS3.6/7, Ms1 3.6/7, ms1mx3.2/51, Error ellipse: s-maj=20.4km s-min=14.0km az=98.0

JMA 08 18:35:13.8-0.2, 37.68N, 144.00E, h54km, M4.5 ISCJB 08 18:35:14.1-0.4, 37.60N, 0.03-143.97E, 0.03, h33km, mb4.2/22, MS4.0/4, Error ellipse: s-maj=4.8km s-min=3.7km az=153.6

NEIC 08 18:35:15.2-1.9, 37.57N, 144.18E, h29km, 14km, mb4.9/10, Error ellipse: s-maj=7.0km s-min=5.6km az=107.0

ISC 08 18:35:15.8-0.6, 37.58N, 0.04-144.07E, 0.07, h35km, n75, +2503/88, mb4.1/22, MS3.9/4, Off east coast of Honshu

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

2011 NOV

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MJB9, Churui, JCH, etc.

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az=157.6 NEIC 08 18:41:50.9-1.0, 2.84N, 126.24E, h82km, 10km, mb4.6/10, Error ellipse: s-maj=14.9km s-min=5.6km az=66.0

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

TRN 08 18:44:50.3, 17.16N, 62.23W, h12km, MD3.6, 1C, Leeward Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NEV, Hard Times, NEV, Boggy Peak, etc.

ISC 08 18:47:37.6, 39.07N, 29.10E, h5km, MD2.8 ISCJB 08 18:47:38.2-0.5, 39.06N, 0.03-29.07E, 0.03, h6km, 5km, Error ellipse: s-maj=5.5km s-min=3.9km az=149.3

CSEM 08 18:47:38.3-0.1, 39.09N, 29.06E, h5km, MD2.8, Error ellipse: s-maj=2.4km s-min=1.9km az=145.0

DDA 08 18:47:38.4, 39.08N, 29.05E, h7km, M2.4 ISC 08 18:47:38.4-0.9, 39.08N, 0.03-29.06E, 0.02, h7km, 7km, n31, 08/43/46, Turkey

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

IDC 08 18:41:41.2-0.9, 2.81N, 125.90E, h0km, mb3.9/7, mb1 4.1/7, mb1mx3.7/37, mbmt3.9/7, Error ellipse: s-maj=57.9km s-min=16.5km az=78.0

DJA 08 18:41:47.0-0.5, 3.1N, 4.12E, h10km, M4.4/6, mb4.9/2, mb4.8/2, M4.4/26, Mw(mB)4.2

ISCJB 08 18:41:48.1-0.4, 2.94N, 0.03-126.25E, 0.05, h72km, mb4.2/13, Error ellipse: s-maj=8.0km s-min=4.0km

Table with columns: STEP, STATION, NAME, AZ, PHASE, ID, TIME, RES. Includes stations like BALIKESIR\_Sava, Bursa, CAVUSKOV, etc.

IDC 08 18:54:41.9-0.5, 14:85S:173:81W, h0km, mb4.5/20, mb1 4.7/20, mb1mx4.6/35, mbtmp4.5/20, MS4.2/24, Ms1 4.2/24, ms1mx4.1/33, Error ellipse: s-maj=20.8km s-min=14.5km az=127.0

IS/CJB 08 18:54:45.6-0.1, 14:85S:0:04:173:91W:0:04, h35km, mb4.9/187, MS4.2/21, Error ellipse: s-maj=7.4km s-min=3.5km az=136.7

NEIC 08 18:54:47.2-0.1, 14:85S:173:89W, h35km, mb4.9/165, Error ellipse: s-maj=5.7km s-min=2.7km az=135.0

GCMT 08 18:54:47.2-0.3, 14:86S:0:08:173:81W:0:07, h35km, n327.0/697/306, mb4.9/187, MS4.1/22, 5C-11D, Samoa Islands region

Main table for station data, columns: Code, Station Name, AZ, PHASE, ID, TIME, RES. Lists numerous stations like AFI, AFU, AFU, etc.

Main table for station data, columns: TOOLING, STATION, NAME, AZ, PHASE, ID, TIME, RES. Lists stations like TOOLING, STKA, STKA, etc.

Main table for station data, columns: STATION, NAME, AZ, PHASE, ID, TIME, RES. Lists stations like SZCU, WUAZ, PKCU, etc.

Table with columns: ILAR, comp=, 5.6nm, 1.0s, baz=209, slow=5.9, SNR=27, LR, P, 19 36 44.8, etc.

VTS Vitoshia 148.72 335 ePKPbc PKPbc 19 14 31.9 +0.7, ES19 SONSECA Array 153.72 18 ePKPdf PKPpdf 19 14 35.4 +0.4, etc.

DDA 08 18:59:24.1, 37.53°N, 30.91°E, h7km, M1.2, ISCJB 08 18:59:25.3±0.6, 37.51°N, 0.07°E, h15km, 6km, Error ellipse: s-maj=12.0km s-min=5.4km az=166.4, etc.

Code Station Name Δ° AZ° Phase ID Time Res, SUTC Sutluce-Ispart 0.13 132 ePg Pg 18 59 28.3 -0.5, etc.

ISK 08 19:02:31.5, 38.65°N, 43.24°E, h4km, MD2.6, DDA 08 19:02:31.6, 38.65°N, 43.19°E, h7km, M1.6, etc.

Code Station Name Δ° AZ° Phase ID Time Res, VANB Van 0.19 123 ePg Pg 19 02 35.9 +0.3, etc.

ISCJB 08 19:05:17.9±0.3, 35.57°N, 0.01°E, h27km, 3km, mb3.0/1, Error ellipse: s-maj=2.2km s-min=1.9km az=1.8, etc.

Code Station Name Δ° AZ° Phase ID Time Res, V35A Meyer Ranch, C 0.22 344 P P 19 05 23.2 +0.3, etc.

Table with columns: W36A Wetumka 0.60 133 ePg Pg 19 05 29.4 -0.2, W36A Jenks 0.71 71 P P 19 05 35.2 -2.5, etc.

S39A	baz=222,SNR=105	3.50	51	P	Pn	19 06 13.6 +2.2
WLAR	White Oak Lake	3.54	121	ePn	Pn	19 06 13.4 +1.4
KSU1	Kansas State U	3.54	2	P	Pn	19 06 13.5 +1.4
KSU1	Kansas State U	3.54	2	ePn	Pn	19 06 13.7 +1.7
236A	Katherine and Arnold C. Orve	3.55	177	P	Pn	19 06 13.2 +1.1
Q36A	baz=197,SNR=40	3.56	17	P	Pn	19 06 13.9 +1.7
X301	Greenbrier Sit	3.58	94	ePn	Pn	19 06 14.4 +1.9
WHTX	Lake Whitney	3.60	189	P	Pn	19 06 13.9 +1.1
WHTX	Lake Whitney, Mag Long Farm, Mag Washetta, Mont	3.60	128	P	Pn	19 06 14.2 +1.4
237A	baz=348	3.63	167	P	Pn	19 06 14.1 +0.8
WHAR	Woolly Hollow	3.67	93	ePn	Pn	19 06 15.6 +1.9
UALR	University of Gary Mavity, V	3.70	101	ePn	Pn	19 06 16.2 +2.3
W41B	baz=277,SNR=69	3.71	95	P	Pn	19 06 16.2 +1.9
V41A	Mountainview	3.76	85	P	Pn	19 06 16.6 +1.6
ABTX	Abilene, Hawle	3.77	220	P	Pn	19 06 16.2 +1.0
ABTX	Abilene, Hawle	3.77	220	ePn	Pb	19 06 16.1 +0.9
ABTX	Abilene, Hawle	3.77	220	ePn	Pb	19 06 24.9 +0.9
T40A	Mansfield	3.78	64	P	Pn	19 06 17.4 +2.1
Q37A	Longview Farm, Jacksonovon	3.79	28	P	Pn	19 06 17.0 +1.5
238A	Jacksonovon	3.80	158	P	Pn	19 06 16.5 +1.0
Y41A	Eagleette Beard	3.81	115	P	Pn	19 06 17.3 +1.6
P34A	Walnut Farm, R	3.99	359	P	Pn	19 06 20.4 +2.2
U40A	Lebanon	3.99	58	P	Pn	19 06 20.3 +2.1
541A	Viola	4.01	77	P	Pn	19 06 19.9 +1.5
239A	Gary	4.01	151	P	Pn	19 06 19.3 +0.8
P35A	Duane Minner	4.01	8	P	Pn	19 06 20.0 +1.5
CBKS	Cedar Bluff	4.03	325	P	Pn	19 06 20.1 +1.4
CBKS	Cedar Bluff	4.03	325	ePn	Pn	19 06 20.2 +1.5
R39A	Chumby, Stover	4.06	26	P	Pn	19 06 21.0 +1.8
336A	Riesel	4.16	181	P	Pn	19 06 21.4 +1.0
NATX	Nacogdoches	4.17	155	ePn	Pn	19 06 20.1 -0.6
Q38A	Cooks Store, C	4.23	35	P	Pn	19 06 22.8 +1.4
P36A	Good Intent, A	4.24	16	P	Pn	19 06 23.5 +1.8
337A	Centerville	4.29	170	P	Pn	19 06 22.7 +0.4
T41A	Mountain View	4.30	68	P	Pn	19 06 24.4 +1.9
338A	Crockett	4.36	163	P	Pn	19 06 23.8 +0.6
V42A	Cord	4.38	85	P	Pn	19 06 24.8 +1.2
CCAR	Cane Creek	4.42	110	ePn	Pn	19 06 22.9 -1.2
P37A	Lathrop	4.46	25	P	Pn	19 06 26.5 +1.9
S41A	Jilco Farms, M	4.52	62	P	Pn	19 06 27.7 +2.2
R40A	Maddies Statio	4.52	51	P	Pn	19 06 27.7 +2.2
A42A	Revendens	4.55	78	P	Pn	19 06 27.1 +1.1
Q33A	Hebron	4.56	352	P	Pn	19 06 27.3 +1.3
Q39A	Willow Grove F	4.61	40	P	Pn	19 06 28.4 +1.6
Q34A	Beatrice	4.62	1	P	Pn	19 06 28.4 +1.5
Q35A	Humboldt	4.75	8	P	Pn	19 06 30.5 +1.9
O36A	Bolkow	4.79	17	P	Pn	19 06 30.3 +1.2
P38A	Dawn	4.81	31	P	Pn	19 06 30.8 +1.4
435B	Jarrell	4.81	188	P	Pn	19 06 30.0 +0.6
Q37A	Wolven Farm, M	5.05	23	P	Pn	19 06 34.3 +1.6
Q39A	Salisbury	5.06	38	P	Pn	19 06 34.6 +1.8
Q40A	Laux Farm, Aux	5.08	46	P	Pn	19 06 34.6 +1.5
CCM	Cathedral Cave	5.08	59	ePn	Pn	19 06 35.2 +2.0
R41A	Rosbud	5.11	56	P	Pn	19 06 35.4 +1.9
MSTX	Muleshoe	5.19	254	P	Pn	19 06 35.7 +0.9
MSTX	Muleshoe	5.19	254	ePn	Pn	19 06 35.0 +0.2
N33A	J Bar K, Exete	5.21	354	P	Pn	19 06 37.0 +2.1
U43A	Rector	5.22	79	P	Pn	19 06 36.5 +1.5
O38A	Galt	5.25	29	P	Pn	19 06 37.0 +1.5
PBMO	Poplar Bluff	5.27	75	ePn	Pn	19 06 36.1 +0.3
N34A	Lincoln	5.28	2	P	Pn	19 06 37.4 +1.5
S42A	Caledonia	5.28	64	P	Pn	19 06 37.6 +1.6
N35A	Tabor	5.37	9	P	Pn	19 06 38.6 +1.5
N36A	Muff Farm, Cia	5.44	15	P	Pn	19 06 39.8 +1.7
T43A	Greenville	5.45	72	P	Pn	19 06 39.9 +1.2
P40A	Paris	5.46	42	P	Pn	19 06 39.9 +1.5
R42A	Luebbering	5.50	59	P	Pn	19 06 40.9 +1.9
Q41A	Truxton	5.57	51	P	Pn	19 06 41.4 +1.6
N37A	Lea Ferris, Mou	5.57	20	P	Pn	19 06 41.4 +1.5
FVM	French Village	5.64	63	ePn	Pn	19 06 42.1 +1.3
HKT	Hockley	5.64	172	ePn	Pn	19 06 41.9 +1.0
JCT	Junction City	5.67	208	P	Pn	19 06 41.9 +0.6
JCT	Junction City	5.67	208	ePn	Pn	19 06 41.6 +0.4
S43A	Fulton Ridge	5.75	68	P	Pn	19 06 43.7 +1.0
O39A	Kirkville	5.76	34	P	Pn	19 06 44.0 +1.5
PVMO	Portageville	5.79	79	ePn	Pn	19 06 43.6 +0.7
KSC0	Kaye Shedlock	5.81	308	ePn	Pn	19 06 44.8 +1.5
M34A	Aspy Farms, Fr	5.94	1	P	Pn	19 06 46.6 +1.6
BGNE	Belgrade	5.95	350	P	Pn	19 06 46.1 +1.1
BGNE	Belgrade	5.95	350	ePn	Pn	19 06 46.2 +1.1
M35A	Neola	5.96	8	P	Pn	19 06 46.9 +1.6
O40A	La Belle	5.98	39	P	Pn	19 06 46.3 +0.8
SLM	Saint Louis	6.06	58	ePn	Sg	19 06 47.5 +0.9
SLM	Saint Louis	6.06	58	eSg	Sg	19 08 24.8 -7.3
M36A	Felix, Anita	6.09	14	P	Pn	19 06 48.4 +1.4
GLAT	Glass Barry	6.11	81	ePn	Pn	19 06 48.5 +1.2
P41A	Barry Barry	6.12	46	P	Pn	19 06 49.0 +1.6
OXF	Oxford	6.12	98	ePn	Pn	19 06 48.3 +0.8
M37A	Trindle Farm, M	6.21	19	P	Pn	19 06 50.5 +1.7
T25A	Trinidad	6.37	287	P	Pn	19 06 52.0 +1.0
T25A	Trinidad	6.37	287	ePn	Pn	19 06 52.1 +1.0
CPRX	Cap Rock	6.39	249	ePn	Pn	19 06 54.8 +3.4
UTMT	University of	6.46	81	ePn	Pn	19 06 52.3 +0.2
P42A	Winchester	6.50	50	P	Pn	19 06 54.0 +1.4
O41A	Passleys Farm, M	6.51	44	P	Pn	19 06 54.0 +1.2
HGTC0	Madrid Canyon	6.57	286	ePn	Pn	19 06 53.9 +0.1

MHTCO	State Highway	6.59	286	ePn	Pn	19 06 55.4 +1.3
735A	Kenedy	6.74	188	ePn	Pn	19 06 55.7 -0.2
L36A	Harm Buss Farm	6.74	13	P	Pn	19 06 57.2 +1.3
OGNE	Ogallala	6.79	324	P	Pn	19 06 58.3 +1.5
OGNE	Ogallala	6.79	324	ePn	Pn	19 06 58.5 +1.7
OGNE	Ogallala	6.79	324	eSg	Sg	19 08 50.6 -5.1
SCIA	State Center	6.92	23	ePn	Sg	19 06 57.9 -0.6
SCIA	State Center	6.92	23	eSg	Sg	19 06 58.5 -3.3
N41A	Harden Midland	6.94	40	P	Pn	19 07 00.4 +1.7
L37A	Phoenix Point, M	6.97	19	P	Pn	19 07 00.2 +1.1
P43A	Skaggs, Pawnee	7.05	52	P	Pn	19 07 01.7 +1.5
PLAL	Pickwick Lake	7.13	92	ePn	Pn	19 07 01.0 -0.4
K34A	Le Mars	7.14	4	P	Pn	19 07 03.2 +1.7
M40A	Post Highland	7.15	34	P	Pn	19 07 03.1 +1.6
K32A	Verdigris	7.16	353	P	Pn	19 07 03.4 +1.6
K31A	O'Neill	7.23	348	P	Pn	19 07 04.1 +1.5
WVT	Waverly	7.28	83	ePn	Pn	19 07 03.8 +0.5
K36A	Gilmore City	7.30	14	P	Pn	19 07 05.0 +1.4
SDCO	Great Sand Dun	7.36	290	P	Pn	19 07 06.4 +1.7
SDCO	Great Sand Dun	7.36	290	ePn	Pn	19 07 07.0 +2.3
N42A	Yates City	7.47	43	P	Pn	19 07 07.7 +1.7
Q24A	Divide	7.50	299	ePn	Pn	19 07 07.1 +0.3
L39A	Vinton	7.54	28	P	Pn	19 07 08.2 +1.3
833A	Chaparral WMA,	7.55	198	P	Pn	19 07 08.4 +1.4
M41A	Millen	7.59	38	P	Pn	19 07 09.1 +1.5
K37A	Belmond	7.60	18	P	Pn	19 07 09.3 +1.5
OLIN	Olney	7.61	63	eSg	Sg	19 09 12.3
USIN	University of	7.69	69	ePn	Pn	19 07 07.1 -1.9
HDIL	Hopedale	7.72	47	P	Pn	19 09 10.5 +1.2
HDIL	Hopedale	7.72	47	ePn	Pn	19 07 09.8 +0.4
K38A	Parkersburg	7.73	22	P	Pn	19 07 11.1 +1.5
J31A	Geddes	7.88	349	P	Pn	19 07 13.4 +1.8
Z48A	Northport	7.91	103	P	Pn	19 07 12.9 +0.9
ANMO	Albuquerque	7.95	268	Pn	Pn	19 07 14.3 +1.5
ANMO	Albuquerque	7.95	268	Pg	Pb	19 07 40.0 +4.7
ANMO	Albuquerque	7.95	268	Lg	Lg	19 09 21.3
ANMO	Albuquerque	7.95	268	LR	LR	19 10 27.8
ANMO	Albuquerque	7.95	268	Pg	Pb	19 07 13.5 +0.7
ANMO	Albuquerque	7.95	268	Pg	Pb	19 07 40.0 +4.7
ANMO	Albuquerque	7.95	268	eLg	Lg	19 09 21.3
ANMO	Albuquerque	7.95	268	Lg	Lg	19 10 27.8
N43A	Stutzman Famil	8.03	46	P	Pn	19 07 15.0 +1.3
KVXT	Kingsville	8.04	187	ePn	Pn	19 07 14.3 +0.5
L41A	Preston	8.14	35	P	Pn	19 07 16.2 +1.0
MNTX	Corpus Mount	8.15	244	ePn	Pn	19 07 15.0 -0.3
ECSD	EROS Data Cent	8.17	1	P	Pn	19 07 16.3 +0.7
ECSD	EROS Data Cent	8.17	1	ePn	Pn	19 07 16.1 +0.5
ISCO	Idaho Springs	8.20	304	ePn	Pn	19 07 18.5 +2.3
LNCH	Lincoln	8.20	265	ePn	Pn	19 07 17.9 +1.2
BNM	Barren Site	8.23	263	ePn	Pn	19 07 16.5 -0.1
S22A	4UR Ranch, Cre	8.38	288	ePn	Pn	19 07 21.0 +2.2
LRL	Lakeview Retre	8.46	104	ePn	Pn	19 07 20.5 +0.9
I33A	Coleman	8.48	360	P	Pn	19 07 20.3 +0.4
I34A	Hadley	8.50	4	P	Pn	19 07 20.4 +0.3
LTX	Lajitas	8.51	225	ePn	Lg	19 07 22.2 +1.8
LTX	Lajitas	8.51	225	eLg	Lg	19 09 42.5
TXAR	Lajitas Array	8.51	225	Pn	Pn	19 07 22.2 +1.8
TXAR	Lajitas Array	8.51	225	Lg	Lg	19 09 42.5
TX31	Lajitas Ar. Si	8.51	225	Pn	Pn	19 07 20.4 +0.1
LAZ	Lajitas	8.59	265	ePn	Pn	19 07 22.0 +4.0
J39A	Decorah	8.70	25	P	Pn	19 07 22.8
WCI	Wyandotte Cave	8.80	69	ePn	Pn	19 07 25.3 +1.1
I37A	LeMond, Waseca	8.84	16	P	Pn	19 07 25.8 +1.1
SWET	Swanew	8.85	89	ePn	Pn	19 07 26.2 +1.2
PHWY	Pilot Hill	8.91	313	ePn	Pn	19 07 24.3 -1.7
JFWS	Jewell Farm	8.92	33	ePn	Pn	19 07 26.0 +0.2
H32A	Carlson Farm,	8.96	357	P	Pn	19 07 27.5 +1.2
N23A	Red Feather La	8.98	309	P	Pn	19 07 28.6 +1.7
N23A	Red Feather La	8.98	309	ePn	Pn	19 07 29.0 +2.1
SFIN	Lafayette	9.03	505	ePn	Pn	19 07 29.5 +2.2
J40A	Soldiers	9.11	29	P	Pn	19 07 29.1 +0.6
H34A	Spellman Lake,	9.13	4	P	Pn	19 07 29.2 +0.4
I38A	Scanlon Farm,	9.13	21	P	Pn	19 07 28.5 -0.4
I39A	Houston	9.22	24	P	Pn	19 07 29.6 -0.4
BRAL	Brewton	9.22	116	ePn	Pn	19 07 29.5 -0.6
J41A	Loganville	9.32	32	P	Pn	19 07 32.1 -0.1
H40A	Norwalk	9.58	28	P	Pn	19 07 35.1 +0.2
G32A	Watkins	9.71	357	P	Pn	19 07 36.8 +0.1
G35A	Webster	9.81	9	P	Pn	19 07 38.9 +0.9
CPCT	Cooper Cave	9.98	87	ePn	Pn	19 07 41.3 +0.8
SPMN	Spencer on St.	10.01	28	ePn	Pn	19 07 42.0 +0.1
PV05	Paradox Hill	10.21	288	ePn	Pn	19 07 41.1 -2.6
RWWY	Rawlins	10.21	310	ePn	Pn	19 07 43.8
RSSD	Black Hills	10.22	329	ePn	Pn	19 07 46.8 +2.9
F33A						

8d 19h

Table with columns: WRA, ASAR, MKAR, Station Name, Time, Res, etc.

DDA 08 19:11:18.9,38.49N;42.21E, h7km, ML2.4
CSEM 08 19:11:19.4,0.3,38.54N;43.21E, h2km, ML2.4, Error
ellipse: s-maj=8.5km s-min=6.0km az=109.0

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

BUC 08 19:13:29.0,0.3,45.74N;26.77E, h77km, 3km, MD2.7/3,
6C-12D, Error ellipse: s-maj=3.2km s-min=2.0km
az=28.0, Romania

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

MEX 08 19:15:37.6,0.5,15.50N;93.45W, h84km, 5km, MD3.7,
Near coast of Chiapas

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

NIED 08 19:21:00,36.50N;140.70E, h47km, Mw3.6 Best double
couple: M3.3, 190000-1014, NP1:0.345, 00000, 023, 000000,
lambda=119.000000, NP2:0.196, 000000, 070, 000000,
lambda=78.000000

ISCJB 08 19:21:05.3,0.6,36.45N;140.72E, 0.06, h58km, 4km,
mb3.77, Error ellipse: s-maj=9.1km s-min=6.7km az=37.2

JMA 08 19:21:06.0,1.3,36.44N;140.63E, h58km, 1km, M3.6
Broadband fault plane solution: P waves. NP1:
0.190, 000000, 076, 000000, lambda=87.000000, NP2:
0.359, 000000, 014, 000000, lambda=101.000000, Principal axes:
T P1g31.00000, Azm278.00000, N P1g3.00000,
Azm10.00000, P P1g59.00000, Azm104.00000;

JMA Fell J1,
IDC 08 19:21:07.5,2.8,36.45N;140.69E, h62km, 24km, mb3.4/7,
mb1.3/9, mb1mx3.3/7, mbtmp3.7/9, ML3.3/2, Error
ellipse: s-maj=21.5km s-min=18.4km az=115.0

ISC 08 19:21:06.5,1.0,36.47N;140.69E, 0.06, h50km, 7km,
n26, 0.672/26, mb3.8/7, 4D, Near east coast of eastern
Honshu

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

2011 NOV

Table with columns: H11S3 WAKE ISLAND Hy 29.05 121 T, H11S2 WAKE ISLAND Hy 29.07 121 T, ZALV, MKAR, ILAR, BVAR, WRA, ASAR

IDC 08 19:25:21.3-1.5, 1.12N:124.36E, h0km, mb3.6/5,
mb1.3/7.6, mb1mx3.5/45, mbtmp3.6/6, ML3.6/1, Error
ellipse: s-maj=89.3km s-min=18.0km az=60.0,
Minahasan Peninsula, Sulawesi

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

IDC 08 19:27:24.8-4.5, 26.36S;178.01W, h0km, mb4.0/2,
mb1.4/2.2, mb1mx3.7/25, mbtmp4.0/2, MS3.4/3, Ms1.3.4/3,
ms1mx2.9/31, Error ellipse: s-maj=229.6km
s-min=41.0km az=156.0, South of Fiji Islands

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

NSSC 08 19:34:06.1,2.4, 41.30N;40.27E, h0km, 219km, ML3.6
AZER 08 19:34:17.9,0.5,38.31N;42.78E, h2km, 7km, Error ellipse:
s-maj=8.0km s-min=1.9km az=64.0

ISC 08 19:34:20.8,1.8,39.17N;43.60E, h0km, 87km, ML4.5
NEIC 08 19:34:25.4,0.0,38.80N;43.47E, h5km, mb4.5/32,
ML4.4(DDA), ML4.5(ISK), After ISK.

MOS 08 19:34:25.0,1.8,38.58N;43.43E, h8km, mb4.5/20, Error
ellipse: s-maj=6.4km s-min=4.2km az=101.8

IDC 08 19:34:25.0,0.8,38.68N;43.42E, h0km, mb4.0/15,
mb1.4/2.23, mb1mx3.9/44, mbtmp4.0/23, ML3.2/8, MS3.4/17,
Ms1.3/17, ms1mx3.2/30, Error ellipse: s-maj=13.3km
s-min=9.2km az=156.0

ISC 08 19:34:26.4,38.80N;43.46E, h5km, ML4.3
DDA 08 19:34:26.0,38.79N;43.40E, h16km, ML4.4
CSEM 08 19:34:26.7,0.1,38.78N;43.44E, h2km, mb4.5/35, Error
ellipse: s-maj=2.9km s-min=2.4km az=164.0

ISCJB 08 19:34:26.9,0.3,38.79N;0.01,43.46E, 0.02, h12km, 2km,
mb4.3/42, MS3.5/11, Error ellipse: s-maj=2.5km
s-min=2.0km az=153.1

TEH 08 19:34:41.0,38.75N;43.28E, h40km, ML4.1
ISC 08 19:34:27.5,0.8,38.80N;0.01,43.41E, 0.01, h12km, 5km,
ms1mx3.1/17, ms1mx3.4/11, MS3.4/11, 45C-53D, Turkey

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

Table with columns: CUKT, CUKUR, KARS, DIGO, NAX, NAKHCHIVAN, GNI, GARNI, BINGOL, MARAND, SHABESTAR, SVAN, Akyaka, Batman, Erzurum, Senkaya-Erzurum, Cat-ERZURUM, Cat-ERZURUM, Tuzluca, ITBZ, Tabriz, BINT, BINGOL, VEDI, Yedisu-Bingol, Yedisu-Diyarbakir, HANI, Diyarbakir-Han, HANI, Demirkent, DDEEM, DDEEM, DDEEM, BGD, Bogdanovka, BGD, DAGI, Agillar, MARD, Mardin, MARD, Mardin, MARD, Mardin, KOPT, Kop Dagli, KOPT, Kop Dagli, KOPT, Kop Dagli, AKH, Akhalkalaki, AKH, Akhalkalaki, AKH, Akhalkalaki, GDB, GEDABAY, GDB, GEDABAY, ARTV, Artvin, ARTV, Artvin, ARTV, Artvin, ARTV, Artvin, MAZI, Mazidag, MAZI, Mazidag, QZX, Qazax, Azerbai, QZX, Qazax, Azerbai, DIYA, Diyarbakir, DIYA, Diyarbakir, DBOC, Borcka, IHRS, Heris, IHRS, Heris, KBSD, Kabsdagh, KBSD, GANJ, Ganja, GANJ, Ganja, IBST, Bostanabad, IBST, Bostanabad, EUZM, Uzumlu, TNCL, Tunceli-Merkez, DGRG, David-gareji, DGRG, David-gareji, DGRG, David-gareji, TBLG, Delisi, TBLG, Delisi, TBLG, Delisi, PTG, Pertek, PTK, Pertek, SVRC, Sivrice-ELAZID, SVRC, Sivrice-ELAZID, BRDA, Brd, BRDA, Brd, DUS, Dusheti, DUS, Dusheti, MNGR, Mingechevir, A, MNGR, Mingechevir, A, MNGR, Mingechevir, A, MNGR, Mingechevir, A, MNGR, Kelkit, MACK, Trabzon, MACK, Trabzon, SFNV, Sufian, SFNV, Sufian, KTUT, Trabzon, KTUT, Trabzon, ZRD, Zardab, ZRD, Zardab, ZRD, Zardab, MZRK, Al-Mazaregh, MZRK, GUDC, Gudauri, ZKTA, Zakatala, ZKTA, Zakatala









8d 20h

Table with columns: YAK, comp, pmax, pmax, 20 16 03.8 -1.7, etc. Lists various stations and their parameters.

2011 NOV

Table with columns: TRF, Thorofare Moun, 55.02 30 eP, P, 20 18 45.8 +1.4, etc. Lists various stations and their parameters.

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Table with columns: GERES, GERESS Array B, 90.90 329 P, P, 20 22 16.7 -0.1, etc. Lists various stations and their parameters.

NNC 08 20:11:13.3-1.8, 37.96N:55.49E, h0km, mb4.1, Error ellipse: s-maj=18.3km s-min=6.7km az=40.0...

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

comp=Z,0.6nm,0.8s,baz=240,slow=11,SNR=3.5
AKASG Malin Array Be 22.85 313 P P 20 16 18.9 +2.1

DDA 08 20:13:28.9.38 73N.43.22E, h7km, M12.9
CSEM 08 20:13:29.0.4.38 73N.43.27E, h2km, MD2.9, Error
ellipse: s-maj=5.3km s-min=4.3km az=133.0

ISC 08 20:13:29.0.38,70N.43.41E, h4km, MD2.9

ISC 08 20:13:29.5.0.8,38.72N.0.02.43.25E,0.02,h15km,6km,
n46,c093/65,Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like VANB Van, TVAN Van, ERVU Van-Muradiye, etc.

IDC 08 20:22:33.5.1.4,43.12S.172.01E, h0km, mb3.5/2,
mb1.3.9/3,mb1mx3.6/22,mbtmp3.7/3,ML3.8/1, Error

ellipse: s-maj=31.8km s-min=11.5km az=132.0

ISC/JB 08 20:22:35.2.0.4,43.31S.0.03.172.12E,0.04,h29km,4km,
mb3.5/2, Error ellipse: s-maj=6.7km s-min=2.9km

az=135.7

WEL 08 20:22:36.1.0.1,43.28S.171.99E, h8km, ML4.1/56, Mw3.8,
Error ellipse: s-maj=0.6km s-min=0.6km az=90.0

WEL Felt in the Canterbury region, maximum reported intensity
MM 6.

NEIC 08 20:22:36.2.0.0,43.29S.172.01E, h10km, ML4.2(WEL),
After WEL.

NEIC Felt in Canterbury.

ISC 08 20:22:34.9.0.8,43.30S.0.03.172.08E,0.03,h13km,4km,
n121,c193/135,10C-5D,South Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like OXZ Oxford, CRXZ Canterbury Las, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like LBZ Otahua Downs, BSWZ Blackbirch Sta, CMWZ Cape Campbell, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like KRHZ Ngarurhoo, TWVZ Taurewa, etc.

ISC 08 20:43:22.6.38,62N.43.23E, h5km, MD2.8
CSEM 08 20:43:23.9.0.3,38.58N.43.24E, h8km, MD2.8, Error

ellipse: s-maj=6.8km s-min=5.9km az=149.0

ISC/JB 08 20:43:24.2.0.5,38.60N.0.03.43.20E,0.03,h4km,9km,
Error ellipse: s-maj=4.7km s-min=4.3km az=142.2

DDA 08 20:43:24.5.38,62N.43.15E, h7km, M12.7

ISC 08 20:43:23.8.0.8,38.62N.0.04.43.22E,0.03,h13km,6km,
n24,c197/43,Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like VANB Van, TVAN Van, etc.

ISC 08 20:46:16.3.38,76N.43.40E, h10km, MD2.7

ISC/JB 08 20:46:17.0.0.6,38.77N.0.04.43.50E,0.06,h9km,7km,
Error ellipse: s-maj=9.1km s-min=4.2km az=32.0

CSEM 08 20:46:17.1.0.3,38.78N.43.51E, h8km, ML2.4, Error
ellipse: s-maj=10.4km s-min=5.6km az=126.0

DDA 08 20:46:17.7.38,75N.43.48E, h7km, M12.4

ISC 08 20:46:17.2.1.0,38.75N.0.03.43.52E,0.04,h17km,8km,
n22,c1910/35,Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like VANB Van, TVAN Van, etc.

IDC 08 20:46:19.6.999.0,48.19N.73.10E, h0km, Error ellipse:
s-maj=1005.0km s-min=187.6km az=53.0, Central

Kazakhstan

Code Station Name Az AzZ Phase ID Time Res ISC

8d 21h

146RU ZALESOVO INFRA 9.36 48 i 21 46 00.0
bazz=237,slow=325,SNR=1.8
134MM SONGINO INFRA 22.20 78 i 23 03 20.0
bazz=282,slow=318,SNR=0.9

NNC 08 20:55:33.5:2.5,38:77N:70:34E,h10km,53km,mb3.8,
mpv3.5,Error ellipse: s-maj=53.6km s-min=9.9km az=15.0
KRNET 08 20:55:33.2:0.1,39:11N:70:38E,mb3.2
ISC 08 20:55:34.9:1.9,39:0N:01:70:37E,0.07,h17km,n23,
c256/39,18C-14D,Tajikistan

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various stations like Batken, Sufi-Kurgan, Arkit, etc.

DDA 08 21:09:60.0,38:80N:43:57E,h7km,M2.4
ISK 08 21:09:59.0,38:83N:43:55E,h5km,M2.6
ISCJB 08 21:10:00.6:0.6,38:84N:0:03:43:58E:0.06,h11km,6km,
Error ellipse: s-maj=7.7km s-min=5.1km az=17.2

CSEM 08 21:10:00.3:0.3,38:85N:43:56E,h10km,M2.4,Error
ellipse: s-maj=6.9km s-min=4.9km az=115.0
ISC 08 21:10:00.3:1.2,38:83N:0:03:43:57E:0.03,h11km,10km,
n24,c056/34,Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like Van-Muradiye, ERCSIS-VAN, etc.

IDC 08 21:10:21.9:1.0,6:45S:147:39E,h0km,ML3.9/9,
mb1.4,0/12,mb1mx3.9/37,mbtmp3.9/12,ML3.6/2,MS3.1/4,
Ms1.3,0/4,ms1mx2.8/25,Error ellipse: s-maj=28.5km
s-min=11.3km az=88.0

ISCJB 08 21:10:22.1:0.8,6:52S:0:07:147:3E:0.1,h10km,
mb3.9/10,MS3.0/3,Error ellipse: s-maj=21.4km,
s-min=9.9km az=2.0
NEIC 08 21:10:29.0:2.5,6:59S:147:26E,h50km,24km,mb4.2/2,
Error ellipse: s-maj=23.6km s-min=18.4km az=95.0
NEIC Felt at Lae.

ISC 08 21:10:23.3:0.9,6:48S:0:06:147:5E:0.2,h10km,n18,
c1562/20,mb3.9/10,MS3.1/3,Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like Port Moresby, WTA, etc.

2011 NOV

Table with columns: PMG, Port Moresby, Charters Tower, WRAB Tennant Creek, WRA Warramunga Arr, GUMO Guam, ASAR Alice Springs, ASAR, FITZ Fitzroy Crossi, FITZ, LUWI Luwuk, STKA Stephens Creek, STKA, KRSR Korea Array, KRSR, CSAR Chiang Mai Arr, CSAR, VMDA Vanda, VMDA, MKAR Makanchi Array, MKAR, ZALV Zalesovo Beam, ZALV, ILAR Eileison Array, ILAR, TORD Torodi Arr, TORD.

NIED 08 21:16:00.39:10N,141:80E,h56km,Mw3.6 Best double
couple: Ms2.41000:104,NP1:38117:00000\*,s27.00000\*,
t-66.00000\*,NP2:271.00000\*,s66.00000\*,
t-101.00000\*

ISCJB 08 21:16:36.8:0.7,39:04N:0:04:11:84E:0.09,h65km,5km,
mb3.6/3,Error ellipse: s-maj=11.6km s-min=6.0km
az=18.3
JMA 08 21:16:38.0,39:06N:141:79E,h60km,1km,M3.7
JMA Felt II Ji.

IDC 08 21:16:38.5:2.9,39:05N:141:90E,h68km,25km,mb3.3/3,
mb1.3,4/6,mb1mx3.1/38,mbtmp3.5/6,Error ellipse:
s-maj=34.7km s-min=21.5km az=86.0

ISC 08 21:16:37.5:1.1,38:35N:0:05:14:139E:0.08,h57km,7km,
n25,c155/29,mb3.6/3,4C-7D,Eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like Ofunato, Miyakonagasawa, Ichinoseki, etc.

TAP 08 21:22:11.9,23:78N:122:79E,h18km,1km,ML2.8,D
ISCJB 08 21:22:12.1:1.4,23:81N:0:04:122:73E:0.02,
h14km,10km,Error ellipse: s-maj=6.1km s-min=2.9km
az=167.0

JMA 08 21:22:12.9:0.1,23:96N:122:64E,h43km,M2.3
ISC 08 21:22:11.2:1.3,23:83N:0:05:122:75E:0.02,h13km,10km,
n24,c065/40,Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like YJNG Yonaganijimaku, HATJ Hateruma jima, etc.

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Table with columns: JISG, SMLT Sun Moon Lake, ELDTW Lidau, ELDTW, TYC Yuchr, ALS, ALS, JTJ, STYT Tauyuan, STYT, CHN4, EAST Anshuo.

CSEM 08 21:22:14.9:0.2,38:86N:43:37E,h10km,M2.8,Error
ellipse: s-maj=5.9km s-min=4.3km az=89.0
DDA 08 21:22:14.7,38:82N:43:38E,h7km,M2.5
ISK 08 21:22:14.2,38:82N:43:31E,h6km,M2.8
ISCJB 08 21:22:15.0:0.5,38:85N:0:03:43:32E:0.05,h14km,6km,
Error ellipse: s-maj=7.2km s-min=5.4km az=6.6
ISC 08 21:22:15.4:1.0,38:84N:0:03:43:36E:0.03,h14km,8km,
n22,c098/29,Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like ERCSIS-VAN, VMUR Van-Muradiye, etc.

IDC 08 21:22:45.9:4.6,30:48N:141:58E,h0km,mb3.4/2,
mb1.3/7/3,mb1mx3.2/29,mbtmp3.4/3,ML3.6/1,Error
ellipse: s-maj=173.6km s-min=28.5km az=72.0,
Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like MJAR Matsushiro Arr, MKAR Makanchi Array, etc.

ISK 08 21:33:32.6,38:71N:43:51E,h5km,M2.8
CSEM 08 21:33:33.4:0.2,38:72N:43:53E,h2km,M2.8,Error
ellipse: s-maj=5.0km s-min=3.4km az=102.0

DDA 08 21:33:33.1,38:72N:43:54E,h7km,M2.9
ISCJB 08 21:33:34.0:0.5,38:71N:0:02:43:53E:0.05,h11km,4km,
Error ellipse: s-maj=6.5km s-min=3.7km az=17.7
ISC 08 21:33:34.1:0.9,38:72N:0:02:43:50E:0.03,h16km,6km,
n50,c150/65,Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like VAN Van, TVAN Van, VMUR Van-Muradiye, etc.

CSEM 08 21:38:58.0,41:58N:141:40E,h5km,M2.2/4



ISK 08 22:05:50.7, 38°73'N, 43°09'E, h5km, ML5.4  
 NEIC 08 22:05:51.0, 0.1, 38°72'N, 43°19'E, h10km, mb5.6/288,  
 MS4.9/146, MW5.2, MW5.2, ML5.5(ISK), Error ellipse:  
 s-maj=3.0km s-min=2.0km az=180.0, Moment Tensor  
 Solution. s14 Moment tensor: Scale 10<sup>16</sup>Nm; Mr5.27;  
 Mw=5.90; Mw0.64; Mw4.63; Mw0.108; Mw0.08; Best  
 double couple: M7.40000x10<sup>16</sup> NP1<sub>2</sub>254.00000\*,  
 826.00000\*, 1.79.00000\*. NP2<sub>2</sub>87.00000\*, 865.00000\*,  
 1.95.00000\*. Principal axes: T 6.9500, Plg70.0000\*,  
 Azm8.0000\*; N 0.7500, Plg5.0000\*, Azm264.0000\*; P  
 -7.7000, Plg20.0000\*, Azm172.0000\*. Moment Tensor  
 Solution: s24 Moment tensor: Scale 10<sup>17</sup>Nm;  
 Mr=8.15; Mw=4.43; Mw3.72; Mw2.28; Mw0.05; Mw0.09;  
 Best double couple: M7.40000x10<sup>16</sup> NP1<sub>2</sub>33.00000\*,  
 855.00000\*, 1.90.00000\*. NP2<sub>2</sub>274.00000\*, 835.00000\*,  
 1.90.00000\*. Principal axes: T 8.5500, Plg80.0000\*,  
 Azm2.0000\*; N -3.7100, Plg0.0000\*, Azm93.0000\*; P  
 -4.8300, Plg10.0000\*, Azm183.0000\*.

NEIC Felt [V] at Van. Also felt at Tatvan. Felt at Yerevan,  
 Armenia.  
 GCMT 08 22:05:51.0, 0.1, 38°62'N, 43°08'E, h21km, MW5.3/110,  
 Moment Tensor Solution. s93, c148; s110, c210;  
 Duration: 1s2 Moment tensor: Scale 10<sup>17</sup>Nm;  
 Mr=1.20; Mw=1.27; Mw0.074; Mw0.10; Mw0.36; Mw0.03;  
 Mw0.31; Mw0.12; Mw0.03; Best double couple:  
 M1.32500x10<sup>17</sup> NP1<sub>2</sub>104.00000\*, 853.00000\*,  
 1.92.00000\*. NP2<sub>2</sub>280.00000\*, 837.00000\*, 8.7.00000\*.  
 Principal axes: T 1.2560, Plg82.0000\*, Azm26.0000\*; N  
 0.1390, Plg2.0000\*, Azm283.0000\*; P -1.3940, Plg8.0000\*,  
 Azm193.0000\*; nsta2 refers to body waves, cutoff=40s.  
 nsta2 refers to surface/mantle waves, cutoff=50s.

AZER 08 22:05:51.0, 0.4, 38°72'N, 43°13'E, h10km, 4km Error  
 ellipse: s-maj=4.4km s-min=1.1km az=65.0  
 ISCJb 08 22:05:51.0, 0.2, 38°71'N, 0°14'31.35E, 0.009,  
 h28km; 1km, mb5.3/428, MS4.9/219, Error ellipse:  
 s-maj=1.7km s-min=1.2km az=1.9  
 IDC 08 22:05:53.9, 1.8, 38°77'N, 43°08'E, h29km, 12km, mb5.0/41,  
 mb1.5/150, mb1mx5/151, mb1mp5/150, ML3.8/11,  
 MS4.6/38, Ms1.4/6/38, ms1mx4.5/51, Error ellipse:  
 s-maj=8.2km s-min=6.5km az=154.0

TEH 08 22:05:56.0, 38°90'N, 43°17'E, h42km, ML5.2  
 ISC 08 22:05:51.0, 0.4, 38°70'N, 0°14'31.0E, 0.01, h12km, 2km,  
 h12km; pP-P, n2286, c145/2448, mb5.6/467, MS4.9/219,  
 163C-76D, Turkey

Code	Station Name	Δ <sup>25</sup> AZ <sup>15</sup>	Op	ISC	Time	Res
					h	ISC
VANB	Van	0.25	115	PG	Pb	22 05 57.9 +0.3
VANB	Van	0.25	115	eSG	Sb	22 05 02.9 +3.0
VANB	Van	0.25	115	iPG	Pb	22 05 57.9 +0.3
VANB	Van	0.25	115	PG	Pb	22 05 57.9 +0.3
VANB	Van	0.25	115	eSG	Sb	22 05 02.9 +3.0
TVAN	Van	0.29	125	iPG	Pb	22 05 58.0 -0.4
TVAN	Van	0.29	125	iS	Sb	22 06 03.8 +0.5
TVAN	Van	0.29	125	P	Pb	22 05 58.0 -0.4
TVAN	Van	0.29	125	P	Sb	22 06 03.8 +0.5
ADCV	BITLIS_Adilcev	0.31	290	iPG	Pb	22 05 57.5 0.0
ADCV	ADCV	0.31	290	iS	Sb	22 06 03.1 -0.8
ADCV	BITLIS_Adilcev	0.31	290	P	Pb	22 05 57.5 0.0
ADCV	ADCV	0.31	290	P	Sb	22 06 03.1 -0.8
ERCV	ERCIS-VAN	0.37	30	ePG	Pb	22 05 58.3 -0.2
ERCV	ERCIS-VAN	0.37	30	eSG	Sb	22 06 04.1 +0.5
ERCV	ERCIS-VAN	0.37	30	ePG	Pb	22 05 58.3 -0.2
ERCV	ERCIS-VAN	0.37	30	eSG	Sb	22 06 04.1 +0.5
GEVA	Gevas	0.39	185	iPG	Pb	22 05 58.9 0.0
GEVA	Gevas	0.39	185	iS	Sb	22 06 06.2 +0.2
GEVA	Gevas	0.39	185	P	Pb	22 05 58.9 0.0
GEVA	Gevas	0.39	185	P	Sb	22 06 06.2 +0.2
VMUR	Van-Muradiye	0.47	52	iPG	Pb	22 06 00.4 +0.1
VMUR	VMUR	0.47	52	iS	Sb	22 06 07.7 -0.6
VMUR	Van-Muradiye	0.47	52	P	Pb	22 06 00.4 +0.1
VMUR	VMUR	0.47	52	P	Sb	22 06 07.7 -0.6
TATV	Tatvan	0.68	254	iPG	Pb	22 06 03.7 -0.6
TATV	Tatvan	0.68	254	iS	Sb	22 06 13.6 +0.3
TATV	Tatvan	0.68	254	P	Pb	22 06 03.7 -0.6
TATV	Tatvan	0.68	254	P	Sb	22 06 13.6 +0.3
TUTA	Tutak	0.74	342	iPG	Pb	22 06 04.5 -0.9
TUTA	Tutak	0.74	342	iS	Sb	22 06 14.7 -0.4
TUTA	Tutak	0.74	342	P	Pb	22 06 04.5 -0.9
TUTA	Tutak	0.74	342	P	Sb	22 06 14.7 -0.4
CLDR	Caldiran	0.78	55	ePG	Pb	22 06 05.8 -0.6
CLDR	CLDR	0.78	55	eSG	Sb	22 06 16.7 +0.4
CLDR	Caldiran	0.78	55	P	Pb	22 06 05.8 -0.6
CLDR	CLDR	0.78	55	P	Sb	22 06 16.7 +0.4
CLDR	Caldiran	0.78	55	iPG	Pb	22 06 05.3 -0.8
CLDR	CLDR	0.78	55	iS	Sb	22 06 17.3 +0.1
CLDR	Caldiran	0.78	55	P	Pb	22 06 05.3 -0.8
CLDR	CLDR	0.78	55	P	Sb	22 06 17.3 +0.1
AGR	Hanur-Agry	0.88	354	ePG	Pb	22 06 07.2 -0.9
AGR	AGR	0.88	354	eSG	Sb	22 06 19.3 -0.3
AGR	Hanur-Agry	0.88	354	P	Pb	22 06 07.2 -0.9
AGR	AGR	0.88	354	P	Sb	22 06 19.3 -0.3
AGR	Hanur-Agry	0.88	354	iPG	Pb	22 06 07.0 -1.1
AGR	AGR	0.88	354	iS	Sb	22 06 08.3 -1.3
DYDN	Diyadin	0.96	28	iPG	Pb	22 06 08.3 -1.3
DYDN	Diyadin	0.96	28	iS	Sb	22 06 23.9 -0.4
DYDN	Diyadin	0.96	28	P	Pb	22 06 08.3 -1.3
DYDN	Diyadin	0.96	28	P	Sb	22 06 23.9 -0.4
BASK	Baskale_VAN	0.96	132	iPG	Pb	22 06 09.1 -0.5
BASK	BASK	0.96	132	iS	Sb	22 06 23.6 -0.7
BASK	Baskale_VAN	0.96	132	P	Pb	22 06 09.1 -0.5
BASK	BASK	0.96	132	P	Sb	22 06 23.6 -0.7
BASK	Karacoban	0.98	305	iPG	Pb	22 06 09.5 -0.5
BASK	BASK	0.98	305	iS	Sb	22 06 12.9 -0.3
BASK	Karacoban	0.98	305	P	Pb	22 06 09.5 -0.5
BASK	BASK	0.98	305	P	Sb	22 06 12.9 -0.3
ERKAR	Karacoban	0.98	305	iPG	Pb	22 06 09.5 -0.5
ERKAR	ERKAR	0.98	305	iS	Sb	22 06 12.9 -0.3
ERKAR	Karacoban	0.98	305	P	Pb	22 06 09.5 -0.5
ERKAR	ERKAR	0.98	305	P	Sb	22 06 12.9 -0.3
SRMT	Siirt_Merkez	1.17	233	iPG	Pb	22 06 12.9 -0.3
SRMT	SRMT	1.17	233	iS	Sb	22 06 31.2 +1.9
EATA	Eleskirt	1.25	338	iPG	Pb	22 06 13.8 -1.0
EATA	EATA	1.25	338	iS	Sb	22 06 31.0 -1.1
EATA	Eleskirt	1.25	338	P	Pb	22 06 13.8 -1.0
EATA	EATA	1.25	338	P	Sb	22 06 31.0 -1.1
SIRN	S^-rnak	1.32	205	iPG	Pb	22 06 15.2 -0.2
SIRN	SIRN	1.32	205	iS	Sb	22 06 35.4 +1.9
SIRN	S^-rnak	1.32	205	P	Pb	22 06 15.2 -0.2
SIRN	SIRN	1.32	205	P	Sb	22 06 35.4 +1.9
VRTB	Varto-Mus	1.36	290	iPG	Pb	22 06 15.8 -0.3
VRTB	VRTB	1.36	290	iS	Sb	22 06 18.9 -0.1
VRTB	Varto-Mus	1.36	290	P	Pb	22 06 15.8 -0.3
VRTB	VRTB	1.36	290	P	Sb	22 06 18.9 -0.1
CUKT	Cukurca	1.50	164	ePG	Pb	22 06 18.8 -0.2
CUKT	CUKT	1.50	164	eSG	Sb	22 06 42.7 +3.2
CUKT	Cukurca	1.50	164	P	Pb	22 06 18.8 -0.2
CUKT	CUKT	1.50	164	P	Sb	22 06 42.7 +3.2
BINGOL	BINGOL	1.54	280	iPG	Pb	22 06 18.8 -0.2
BINGOL	BINGOL	1.54	280	iS	Sb	22 06 19.6 -0.1
BINGOL	BINGOL	1.54	280	P	Pb	22 06 18.8 -0.2
BINGOL	BINGOL	1.54	280	P	Sb	22 06 19.6 -0.1
TASB	TASBURUN-IGDIR	1.56	34	ePG	Pb	22 06 49.2 +8.3
TASB	TASB	1.56	34	eSG	Sb	22 06 19.5 -0.4
TASB	TASBURUN-IGDIR	1.56	34	P	Pb	22 06 49.2 +8.3
TASB	TASB	1.56	34	P	Sb	22 06 19.5 -0.4
SVAN	Silvan-Diyarba	1.59	250	ePG	Pb	22 06 20.5 +0.1
SVAN	SVAN	1.59	250	eSG	Sb	22 06 20.6 +0.1
SVAN	Silvan-Diyarba	1.59	250	P	Pb	22 06 20.5 +0.1
SVAN	SVAN	1.59	250	P	Sb	22 06 20.6 +0.1
SVAN	Silvan-Diyarba	1.59	250	iPG	Pb	22 06 20.5 +0.1
SVAN	SVAN	1.59	250	iS	Sb	22 06 42.1 -0.2
SVAN	Silvan-Diyarba	1.59	250	P	Pb	22 06 20.5 +0.1
SVAN	SVAN	1.59	250	P	Sb	22 06 42.1 -0.2
BTMN	Batman	1.65	241	iPG	Pb	22 06 21.4 -0.1
BTMN	BTMN	1.65	241	iS	Sb	22 06 45.3 +1.1
BTMN	Batman	1.65	241	P	Pb	22 06 21.4 -0.1
BTMN	BTMN	1.65	241	P	Sb	22 06 45.3 +1.1
BTMN	Kars	1.73	7	iPG	Pb	22 06 45.3 +1.1
DIGO	DIGO	1.73	7	iS	Sb	22 06 49.7 +3.1
DIGO	Kars	1.73	7	P	Pb	22 06 22.0 -0.9
ERZM	Erzurum	1.81	312	iPG	Pb	22 06 23.7 -0.6
ERZM	ERZM	1.81	312	iS	Sb	22 06 54.1 +4.9
ERZM	Erzurum	1.81	312	P	Pb	22 06 23.7 -0.6
ERZM	ERZM	1.81	312	P	Sb	22 06 54.1 +4.9
ECAT	Cat-ERZURUM	1.89	299	iPG	Pb	22 06 58.7 +7.0
ECAT	ECAT	1.89	299	iS	Sb	22 06 24.3 +1.0
ECAT	Cat-ERZURUM	1.89	299	P	Pb	22 06 58.7 +7.0
ECAT	ECAT	1.89	299	P	Sb	22 06 24.3 +1.0
BNGB	Bing'li	1.91	280	ePG	Pb	22 06 24.5 +0.9
BNGB	BNGB	1.91	280	eSG	Sb	22 06 24.5 +0.9
BNGB	Bing'li	1.91	280	P	Pb	22 06 24.5 +0.9
BNGB	BNGB	1.91	280	P	Sb	22 06 24.5 +0.9
GNI	Garni	1.93	41	ePG	Pb	22 06 25.2 -1.1
GNI	GNI	1.93	41	eS	Sb	22 06 55.6
GNI	Garni	1.93	41	ePG	Pb	22 06 25.2 -1.1
GNI	GNI	1.93	41	eS	Sb	22 06 55.6

GNI	Garni	1.93	41	ePG	Pb	22 06 25.1 -1.1
GNI	GNI	1.93	41	eS	Sb	22 06 55.6
GNI	GNI	1.93	41	Lg	Pn	22 06 55.6
GNI	Garni	1.93	41	Pn	Pb	22 06 25.3 -0.9
GNI	Garni	1.93	41	Pn	Pb	22 06 25.3 -0.9
NAX	Nakhchivan	1.93	75	iPG	Pb	22 06 23.5 -0.3
NAX	NAX	1.93	75	iS	Sb	22 06 48.3 +0.4
NAX	Nakhchivan	1.93	75	P	Pb	22 06 23.4 -0.3
NAX	NAX	1.93	75	P	Sb	22 06 23.5 -0.3
NAX	Nakhchivan	1.93	75	iPG	Pb	22 06 48.3 +0.4
NAX	NAX	1.93	75	iS	Sb	22 06 23.4 -0.3
NAX	Nakhchivan	1.93	75	P	Pb	22 06 23.4 -0.3
NAX	NAX	1.93	75	P	Sb	22 06 23.5 -0.3
NAX	Nakhchivan	1.93	75	iPG	Pb	22 06 48.3 +0.4
NAX	NAX	1.93	75	iS	Sb	22 06 23.4 -0.3
NAX	Nakhchivan	1.93	75	P	Pb	22 06 23.4 -0.3
NAX	NAX	1.93	75	P	Sb	22 06 23.5 -0.3
NAX	Nakhchivan	1.93	75	iPG	Pb	22 06 48.3 +0.4
NAX	NAX	1.93	75	iS	Sb	22 06 23.4 -0.3
NAX	Nakhchivan	1.93	75	P	Pb	22 06 23.4 -0.3
NAX	NAX	1.93	75	P	Sb	22 06 23.5 -0.3
NAX	Nakhchivan	1.93	75	iPG	Pb	22 06 48.3 +0.4
NAX	NAX	1.93	75	iS	Sb	22 06 23.4 -0.3
NAX	Nakhchivan	1.93	75	P	Pb	22 06 23.4 -0.3
NAX	NAX	1.93	75	P	Sb	22 06 23.5 -0.3
NAX	Nakhchivan	1.93	75	iPG	Pb	22 06 48.3 +0.4
NAX	NAX	1.93	75	iS	Sb	22 06 23.4 -0.3
NAX	Nakhchivan	1.93	75	P	Pb	22 06 23.4 -0.3
NAX	NAX	1.93	75	P	Sb	22 06 23.5 -0.3
NAX	Nakhchivan	1.93	75	iPG	Pb	22 06 48.3 +0.4
NAX	NAX	1.93	75	iS	Sb	22 06 23.4 -0.3
NAX	Nakhchivan	1.93	75	P	Pb	22 06 23.4 -0.3
NAX	NAX	1.93	75	P	Sb	22 06 23.5 -0.3
NAX	Nakhchivan	1.93	75	iPG	Pb	2

MAK	comp=Z,424nm,0.9s	MLR	MLR		
DRWC	comp=Z,26um,13.0s				
DRWC	DRouich	5.51 250	eP	Pn	22 07 14.8 +1.8
DRWC			eS	Sb	22 08 35.4 +2.0
			eS	AML	22 08 58.5
DRWC	comp=E,537nm,0.6s		AML	AML	22 09 12.3
DRWC	comp=N,484nm,0.7s		AML	AML	22 09 19.3
BHD	comp=Z,612nm,0.7s	5.52 169	ePn	Pn	22 07 12.0 -1.0
BHD	SNR=3.0		i/Sn	Sn	22 08 17.0 +0.6
IKOM	SNR=3.0	5.75 140	eP	Pn	22 07 20.1 +3.8
BTCH	Batrach	5.92 245	eP	Sb	22 07 20.2 +1.6
BTCH			eS	Sb	22 08 45.0 -0.1
BTCH			eS	AML	22 09 10.8
BTCH	comp=Z,563nm,0.8s		AML	AML	22 09 16.7
BTCH	comp=N,1um,0.6s		AML	AML	22 09 24.5
RTB	RTubah	6.09 203	ePn	Pn	22 07 20.0 -1.0
RTB	SNR=3.0		i/Sn	Sn	22 08 31.0 +0.3
IGZV	SNR=3.0	6.11 110	eP	Pn	22 07 23.6 +2.2
IGZV	Ghazvin	6.11 110	eP	Pn	22 07 23.6 +2.2
IGZV	Kufra	6.13 237	eP	Sb	22 07 25.3 +3.8
KFRA			eS	Sb	22 08 50.9 -0.2
KFRA			eS	AML	22 09 15.0
KFRA	comp=E,916nm,0.7s		AML	AML	22 09 20.3
KFRA	comp=N,2um,0.6s		AML	AML	22 09 24.6
ARNB	AI Arnab	6.35 246	eP	Pn	22 07 28.4 +3.8
ARNB			eS	Sb	22 08 57.1 -0.4
ARNB			eS	AML	22 09 24.2
ARNB	comp=N,717nm,0.8s		AML	AML	22 09 26.3
ARNB	comp=E,322nm,0.7s		AML	AML	22 09 50.7
ARNB	comp=Z,544nm,0.7s		AML	AML	22 09 50.7
GOF	Gofitskoye	6.35 360	eP	Pn	22 07 27.2 +2.7
GOF	comp=Z,167nm,1.6s		ePmax	Pnmax	
GOF	Gofitskoye	6.35 360	eP	Pn	22 07 27.2 +2.7
GOF	comp=Z,167nm,1.6s		eP	Pn	22 07 29.2 +2.5
ROOS	Il alroos	6.51 228	eP	Sb	22 08 58.1 -3.0
ROOS			eS	Sb	22 09 30.0
ROOS			eS	AML	22 09 37.1
ROOS	comp=E,616nm,0.7s		AML	AML	22 09 37.1
ROOS	comp=Z,864nm,0.7s		AML	AML	22 09 47.1
BIDA	Albida	6.56 238	eP	Pn	22 07 31.1 +3.6
BIDA			eS	Sb	22 09 01.0 -2.6
BIDA			eS	AML	22 09 26.3
BIDA	comp=Z,1um,0.6s		AML	AML	22 09 26.6
BIDA	comp=E,1um,0.5s		AML	AML	22 09 27.5
BIDA	comp=N,598nm,0.7s		AML	AML	22 09 27.5
IMHD	Mahdash	6.75 114	eP	Pn	22 07 32.8 +2.8
HAWK	Haweek	6.81 234	eP	Pn	22 07 33.1 +2.2
HAWK			eS	Sb	22 09 07.1 -3.6
HAWK			eS	AML	22 09 35.2
HAWK	comp=N,293nm,0.7s		AML	AML	22 09 35.6
HAWK	comp=Z,427nm,0.6s		AML	AML	22 09 36.3
HAWK	comp=E,292nm,0.6s		AML	AML	22 09 36.3
FKH	Fakeheh	6.99 233	eP	Pn	22 07 34.4 +1.1
MARH	Ras Al Marh	7.09 231	eP	Pn	22 07 36.5 +1.6
MARH			eS	Sb	22 09 13.9 -5.1
MARH			eS	AML	22 09 46.5
MARH	comp=N,491nm,0.7s		AML	AML	22 09 55.5
MARH	comp=Z,187nm,0.7s		AML	AML	22 10 02.8
HWQ	Hawqa	7.26 235	eP	Pn	22 07 38.6 +1.5
BR131	Keskin Array S	7.42 281	eP	Pn	22 07 41.0 +1.7
BR131	Keskin Array S	7.42 281	ePn	Pn	22 07 41.0 +1.7
BRTR	Keskin Array B	7.42 281	eP	Pn	22 07 41.3 +2.0
BRTR	comp=Z,0.5nm,0.3s,baz=110,slow=13,SNR=30		Lg	Lg	22 09 54.7
ANN	Anapa	7.42 327	eP	Pn	22 07 39.6 +0.5
ANN			eS	Sb	22 08 59.9 -3.3
ANN			eS	Pmax	
ANN	comp=Z,92nm,1.3s		MLR	MLR	
ANN	comp=E,9um,13.0s		MLR	MLR	
ANN	comp=Z,10um,13.0s		MLR	MLR	
ANN	comp=N,6um,13.0s		MLR	MLR	
ANN	Anapa	7.42 327	eP	Pn	22 07 39.6 +0.5
QASN	Qassioun	7.55 229	eP	Sb	22 07 44.3 +3.2
QASN			eS	Sb	22 09 25.6 -6.5
QASN			eS	AML	22 10 06.0
QASN	comp=E,211nm,0.8s		AML	AML	22 10 08.2
QASN	comp=N,551nm,0.6s		AML	AML	22 10 16.4
QASN	comp=Z,358nm,0.8s		AML	AML	22 10 16.4
ILGA	Ilgaz	7.59 291	ePn	Pn	22 07 47.6 +5.9
ILGA	Ilgaz	7.59 291	ePn	Pn	22 07 47.6 +5.9
BHL	Ghannes	7.68 234	eP	Pn	22 07 51.4 +8.5
IPRN	Peran	7.74 106	eP	Pn	22 07 47.0 +3.3
IDMV	Damavand	7.78 111	eP	Pn	22 07 48.0 +3.6
BRBR	Barbar	7.83 230	eP	Sb	22 07 47.5 +2.5
BRBR			eS	Sb	22 09 32.1 -8.2
BRBR			eS	AML	22 10 16.6
BRBR	comp=N,230nm,0.7s		AML	AML	22 10 17.2
BRBR	comp=Z,159nm,0.7s		AML	AML	22 10 23.2
BRBR	comp=E,276nm,0.7s		AML	AML	22 10 23.2
IVRN	Varamin	7.84 115	eP	Pn	22 07 49.1 +4.1
RCY	Rachaya	7.84 231	eP	Pn	22 07 47.4 +2.3
DQRL	Deir Qamar	7.87 233	eP	Pn	22 07 49.1 +3.8
SALA	Saia	7.91 223	eP	Sb	22 07 47.3 +1.3
SALA			eS	Sb	22 09 32.9 -9.4
SALA			eS	AML	22 10 18.7
SALA	comp=N,323nm,0.7s		AML	AML	22 10 18.8
SALA	comp=Z,222nm,0.7s		AML	AML	22 10 20.2
SALA	comp=E,28nm,0.7s		AML	AML	22 10 20.2
SHBL	Chebaa	8.00 230	eP	Pn	22 07 49.1 +1.8
NSR	Nassriya	8.07 161	ePn	Pn	22 07 47.0 -1.0
NSR	SNR=3.0		i/Sn	Sn	22 09 18.0 -1.2
ANTO	Ankara	8.08 282	eP	Pn	22 07 53.4 +5.1
ANTO	Ankara	8.08 282	ePn	Pn	22 07 53.4 +5.1
ANTO	Ankara	8.08 282	ePn	Pn	22 07 53.4 +5.1
ANTO	SNR=13				22 07 54.5 +6.2
ANTO	Ankara	8.08 282	eP	Pn	22 07 54.5 +6.2
BR231	Keskin MP Arra	8.09 281	ePn	Pn	22 07 46.6 -1.9
BR231	Keskin MP Arra	8.09 281	ePn	Pn	22 07 46.6 -1.9
IFAL	Alasht	8.16 106	eP	Pn	22 07 53.2 +3.6
IALR	Firoozkoo	8.29 109	eP	Pn	22 07 57.1 +5.8
QAM	Ghamsar	8.35 124	eP	Pn	22 07 55.5 +3.4
TCHB	Taichebab	8.36 226	eP	Sb	22 07 54.0 +2.9
TCHB			eS	Sb	22 09 43.1 -1.2
TCHB			eS	AML	22 10 35.8
TCHB	comp=E,290nm,0.8s		AML	AML	22 10 40.0
TCHB	comp=N,378nm,0.8s		AML	AML	22 11 05.8
TCHB	comp=Z,154nm,0.7s		AML	AML	22 11 05.8
MMAI	Mount Meron Ar	8.44 230	Pn	Pn	22 07 55.0 +1.9
MMAI	comp=Z,2.6nm,0.3s,baz=60,slow=14,SNR=17		Lg	Lg	22 10 25.5
MMAI	comp=Z,4.1nm,0.3s,baz=61,slow=19,SNR=3.6		Lg	Lg	22 10 25.5

MMAI	comp=Z,13um,19.9s,baz=45,slow=41	LR	LR		22 11 38.2
ISHM	Shahmirzad	8.62 106	eP	Pn	22 08 06.6 +4.7
CSS	Mathiatis	8.68 248	ePn	Pn	22 08 09.9 +4.5
CSS	Mathiatis	8.71 25	ePn	Pn	22 08 09.9 +4.5
IKLH	Kalatrood	8.71 25	eP	Pn	22 08 09.9 +4.5
IPIR	Pirpir	8.72 131	eP	Pn	22 08 00.0 +2.6
IGLO	Ghaloghah	8.79 101	eP	Pn	22 08 00.3 +2.1
SIM	Simferopol	9.16 316	eP	Sn	22 08 09.7 +6.7
SIM			S	Sn	22 09 57.0 +1.1
SIM			S	Pmax	
IANJ	Anjilo	9.22 107	eP	Pn	22 08 08.6 +4.5
IZEF	Zefreh	9.47 125	eP	Pn	22 08 11.7 +4.2
BOLV	Bolovadin	9.50 274	ePn	Pn	22 08 13.9 +6.1
ECUL	Evkul	9.50 274	ePn	Pn	22 08 13.9 +6.1
IRAM	Ramesheh	10.23 129	eP	Pn	22 08 20.5 +2.5
ISAD	Sadrabah	10.98 125	eP	Pn	22 08 32.6 +4.4
AKAS	Kas	11.01 261	ePn	Pn	22 08 35.3 +6.9
AKAS			eS	Sn	22 10 15.1 -1.6
AKAS			eS	Pn	22 08 35.3 +6.9
AKAS	Kas	11.01 261	ePn	Pn	22 08 35.3 +6.9
AKAS			eS	Sn	22 10 15.1 -1.6
AKAS			eS	Pmax	
EIL	comp=Z,0.2nm,0.3s,baz=26,slow=10,SNR=4.3	Lg	Lg		22 11 55.2
EIL	comp=Z,0.6nm,0.3s,baz=39,slow=23,SNR=2.9	Lg	LR		22 13 34.1
EIL	comp=Z,1.3um,18.1s,baz=46,slow=41	LR	LR		22 13 34.1
GEYT	Alibeck	11.82 89	Pn	Pn	22 08 39.1 -0.4
ISFR	Sayin	11.89 93	eP	Pn	22 08 43.3 +2.6
IMEH	Metyez	11.92 124	eP	Pn	22 08 44.5 +3.5
IPAR	Pars	12.06 134	eP	Pn	22 08 43.4 +0.3
IPAR	Pars	12.06 134	eP	Pn	22 08 43.4 +0.3
IMEM	Emangholi	12.33 91	eP	Pn	22 08 46.5 -0.2
IMEM	Emangholi	12.33 91	eP	Pn	22 08 46.5 -0.2
KIRD	Kardeh	12.36 94	eP	Pn	22 08 46.5 -0.2
TIRG	Tirgusor	12.41 302	i/P	Pn	22 08 49.4 +2.0
TIRR	Tirgusor	12.41 302	eP	Pn	22 08 48.6 +1.2
TIRR	Tirgusor	12.41 302	eP	Pn	22 08 48.6 +1.2
TIRR	Tirgusor	12.41 302	ePn	Pn	22 08 48.6 +1.2
ISAF	Bafgh	12.42 121	eP	Pn	22 08 50.9 +3.1
TLCR		12.45 306	i/P	Pn	22 09 19.7 -1.7
IJAL	Khelmad	12.59 95	eP	P	22 08 51.4 +1.2
PRD	Proviadia	12.69 296	eP	P	22 08 59.6 -3.0
ICOR	Ion Corvin	12.69 300	i/P	Pn	22 08 54.0 +2.7
HARR	Harsova	12.81 303	i/P	Pn	22 08 54.8 +1.8
VSR	Storozhevoje	12.82 349	eP	Pmax	22 08 54.1 +1.1
VSR	comp=Z,70nm,1.3s		Pmax	Pmax	
VSR	comp=Z,6um,11.0s		MLR	MLR	
VSR	Storozhevoje	12.82 349	eP	Pn	22 08 54.1 +1.1
VSR	comp=Z,6um,11.0s		MLR	MLR	
CFR	Carcaiu	12.88 305	i/P	Pn	22 08 55.8 +2.0
KARP	Karpatoth	13.11 261	ePn	Pn	22 08 58.0 +1.0
KARP	Karpatoth	13.11 261	ePn	Pn	22 08 58.0 +1.0
Meshad		13.22 95	eP	Pn	22 09 04.0 +1.2
VORR	Voronezh	13.26 349	i/P	Pn	22 09 01.0 +2.0
VORR	comp=Z,350nm,1.4s		Pmax	Pmax	
VORR	Voronezh	13.26 349	i/P	Pn	22 09 01.0 +2.0
VORR	comp=Z,350nm,1.4s		Pmax	Pmax	
KIS	Kishinev	13.35 313	eP	Pn	22 09 02.0 +1.7
KIS	Kishinev	13.35 313	i/PP	Pn	22 09 10.0 +0.1
KIS			eS	Sn	22 11 30.0 +1.5
KIS			LQ	LQ	22 14 25.0
KIS			eS	LRM	22 15 54.0
KIS	comp=Z,3um,15.0s		Pn	Pn	22 09 02.0 +1.7
KIS			eS	Sn	22 11 30.0 +1.5
KIS			eS	MLR	
KIS	comp=Z,4um,12.0s		MLR	MLR	
KIS	comp=N,2um,13.0s		MLR	MLR	
KIS	comp=E,3um,15.0s		MLR	MLR	
KIS	Kishinev	13.35 313	eP	Pn	22 09 02.0 +1.7
KIS			eS	Sn	22 11 30.0 +1.5
KIS			eS	MLR	
IMYA	Miami	13.70 95	eS	Sn	22 11 30.0 +1.5
SZ	Strazhnica	13.74 295	eP	Pn	22 09 08.0 +2.7
ODBI	Odobesti	13.81 306	i/P	Pn	22 09 09.3 +2.7
ISR	Istrita	13.93 301	i/P	Pn	22 09 10.4 +2.7
SULR		13.93 301	i/P	Pn	22 09 10.4 +2.3
ITEG	Tejag	13.95 110	eP	Pn	22 09 11.6 +2.8
APRE	Apreseni	13.97 299	i/P	Pn	22 09 16.5 +2.7
APRE	Apresianthos	13.98 269	i/P	Pn	22 09 14.6 -2.4
VRI	Vricina	14.06 306	i/P	Pn	22 09 14.4 +1.3
PIOR	Plostina	14.11 306	i/P	Pn	22 09 11.9 +1.2
PLOR	Secr	14.17 302	i/P	Pn	22 09 23.2 +4.1
LPSR	Galich ya Gora	14.20 350	eP	Pmax	22 09 11.9 0.0
LPSR			Pmax	Pmax	
SORM	Soroca	14.26 316	i/P	Pn	22 09 13.9 +1.3
TESR	Tescani	14.39 308	i/P	Pn	22 09 15.5 +0.9
MLR	Muntele Rosu	14.42 304	Pn	Pn	22 09 15.5 +0.5
MLR	comp=Z,0.1nm,0.3s				

Table with columns: OHR, Ohrid, 17.28 285, i P, P, 22 09 54.7 +1.1, NACGM Naroch, 19.60 331, eP, PM, 22 10 18.0 -1.0, MORC Moravsky Berou, 21.29 310, i/P, P, 22 10 38.2 +0.8

Table with columns: NACGM Naroch, 19.60 331, eP, PM, 22 10 18.0 -1.0, MORC Moravsky Berou, 21.29 310, eP, PM, 22 10 38.2 +0.8

Table with columns: MORC Moravsky Berou, 21.29 310, i/P, P, 22 10 38.2 +0.8, MORC Moravsky Berou, 21.29 310, eP, PM, 22 10 38.1 +0.7





Table with columns for station name, frequency, power, and other technical details. Includes stations like APA, MAKZ, DFRA, DOU, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MOR8, HYA, BER, ZAAO, etc.

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





COLA	College	comp=Z,103nm,0.9s	76.40	5	eP	P	22 17 40.5 +0.6
COLA	Clear Creek Bu	comp=Z,103nm,0.9s					
IL1	Eielson Array	comp=Z,599nm,19.0s	76.57	4	eP	P	22 17 40.4 -0.4
IL1	Eielson Array		76.57	4	eP	P	22 17 40.4 -0.4
ILAR	Eielson Array	comp=Z,1.1nm,1.0s,baz=328,slow=4.0,SNR=62	76.57	4	eP	P	22 17 40.7 -0.2
ILAR		comp=Z,1.1nm,1.0s,baz=359,slow=6.6,SNR=43					22 20 30.1 -2.0
ILAR		comp=Z,2.33nm,19.2s,baz=330,slow=39					22 55 50.2
ILAR	Eielson Array		76.57	4	eP	P	22 17 40.7 -0.2
ILAR							22 20 30.2
ILAR		comp=Z,10.0nm,1.0s					
ILAR		comp=Z,2.0nm,1.0s					
ILAR		comp=Z,2.33nm,19.2s					
ILB	Eielson Array		76.57	4	eP	P	22 17 41.0 +0.2
ILB	Eielson Array		76.57	4	eP	P	22 17 41.0 +0.2
CCB	Clear Creek Bu	comp=Z,81nm,1.1s	76.63	5	eP	P	22 17 41.3 +0.1
CCB	Clear Creek Bu	comp=Z,81nm,1.1s	76.63	5	eP	P	22 17 41.3 +0.1
PKME	Peaks-Kenny Pk	comp=Z,62nm,1.1s	76.68	318	eP	P	22 17 43.0 +1.2
PKME	Peaks-Kenny Pk	comp=Z,62nm,1.1s	76.68	318	eP	P	22 17 43.0 +1.2
PKME		comp=Z,398nm,21.0s					
WRH	Wood River Hill	comp=Z,7.1nm,1.2s	76.79	5	eP	P	22 17 42.0 -0.1
WRH	Wood River Hill	comp=Z,7.1nm,1.2s	76.79	5	eP	P	22 17 42.0 -0.1
EGAK	Eagle	comp=Z,95nm,1.0s	76.81	2	eP	P	22 17 42.5 +0.3
EGAK	Eagle	comp=Z,95nm,1.0s	76.81	2	eP	P	22 17 42.5 +0.3
EGAK		comp=Z,374nm,20.0s					
HDA	Harding Lake	comp=Z,65nm,0.9s	76.92	4	eP	P	22 17 42.6 -0.3
HDA	Harding Lake	comp=Z,65nm,0.9s	76.92	4	eP	P	22 17 42.6 -0.3
HDA		comp=Z,65nm,0.9s					
BPAW	Bear Paw Mtn.	comp=Z,152nm,1.3s	76.93	6	eP	PP	22 17 43.4 +0.5
BPAW	Bear Paw Mtn.	comp=Z,152nm,1.3s	76.93	6	eP	PP	22 17 43.4 +0.5
WVL	Waterville	comp=Z,1.9nm,0.9s	77.34	318	eP	P	22 17 46.3 +0.7
WVL	Waterville	comp=Z,1.9nm,0.9s	77.34	318	eP	P	22 17 46.3 +0.7
MCK	McKinley		77.46	5	eP	P	22 17 46.3 +0.3
MCK		comp=Z,150nm,1.2s	77.46	5	eP	P	22 17 46.2 +0.3
MCK	McKinley	comp=Z,146nm,1.2s	77.46	5	eP	P	22 17 46.2 +0.3
KTH	Kantishna Hill	comp=Z,94nm,1.0s	77.48	6	eP	P	22 17 46.2 +0.1
KTH	Kantishna Hill	comp=Z,94nm,1.0s	77.48	6	eP	P	22 17 46.2 +0.1
YKW3	Yellowknife Ar	comp=Z,54nm,1.0s	77.50	350	eP	P	22 17 46.1 0.0
YKW3	Yellowknife Ar	comp=Z,54nm,1.0s	77.50	350	eP	P	22 17 46.1 0.0
CAST	Castle Rocks	comp=Z,148nm,1.0s	77.50	7	eP	P	22 17 47.1 +0.9
CAST	Castle Rocks	comp=Z,148nm,1.0s	77.50	7	eP	P	22 17 47.1 +0.9
DAWY	Dawson	comp=Z,89nm,1.0s	77.56	1	eP	P	22 17 46.9 +0.4
DAWY	Dawson	comp=Z,89nm,1.0s	77.56	1	eP	P	22 17 46.9 +0.4
YKA	Yellowknife Ar	comp=Z,19nm,0.9s,baz=16,slow=6.4,SNR=19	77.56	350	eP	P	22 17 46.4 -0.1
YKA		comp=Z,60nm,21.2s,baz=0.0,slow=37					22 53 16.8
TRF	Thorofare Nun	comp=Z,85nm,1.3s	77.63	6	eP	P	22 17 47.3 +0.2
TRF	Thorofare Nun	comp=Z,85nm,1.3s	77.63	6	eP	P	22 17 47.3 +0.2
RND	Reindeer	comp=Z,77nm,1.0s	77.79	5	eP	P	22 17 47.6 -0.2
RND	Reindeer	comp=Z,77nm,1.0s	77.79	5	eP	P	22 17 47.6 -0.2
RND		comp=Z,77nm,1.0s					
RND	Dot Lake	comp=Z,291nm,1.1s	77.83	3	eP	PP	22 20 40.4 -2.1
DOT	Dot Lake	comp=Z,291nm,1.1s	77.83	3	eP	PP	22 17 48.8 +0.8
DOT	Dot Lake	comp=Z,291nm,1.1s	77.83	3	eP	PP	22 17 48.8 +0.8
PPLA	Purkeypile	comp=Z,107nm,1.2s	78.01	7	eP	P	22 17 49.5 +0.3
PPLA	Purkeypile	comp=Z,107nm,1.2s	78.01	7	eP	PP	22 20 46.6 +2.2
PPLA	Purkeypile	comp=Z,107nm,1.2s	78.01	7	eP	PP	22 17 49.5 +0.3
PPLA		comp=Z,107nm,1.2s					22 20 46.6 +2.2
DHY	Denali Highway	comp=Z,88nm,1.4s	78.22	5	eP	P	22 17 50.5 +0.2
DHY	Denali Highway	comp=Z,88nm,1.4s	78.22	5	eP	P	22 17 50.5 +0.2
PAX	Paxson	comp=Z,120nm,1.6s	78.44	4	eP	P	22 17 51.9 +0.4
PAX	Paxson	comp=Z,118nm,1.6s	78.44	4	eP	P	22 17 51.9 +0.4
PAX	Paxson	comp=Z,118nm,1.6s	78.44	4	eP	P	22 17 51.9 +0.4
MENT	Mentasta	comp=Z,88nm,1.0s	78.56	3	eP	P	22 17 52.9 +0.9
MENT	Mentasta	comp=Z,88nm,1.0s	78.56	3	eP	P	22 17 52.9 +0.9
TRQ	Mont Tremblant	comp=Z,61nm,0.9s	78.72	324	eP	P	22 17 53.2 0.0
TRQ	Mont Tremblant	comp=Z,61nm,0.9s	78.72	324	eP	P	22 17 53.2 0.0
VLDQ	Val d'Or	comp=Z,61nm,0.9s	78.72	324	eP	P	22 17 54.0 +0.9
VLDQ	Val d'Or	comp=Z,61nm,0.9s	78.72	324	eP	P	22 17 54.0 +0.9
LBNH	Lisbon	comp=Z,57nm,1.0s	78.76	318	eP	P	22 17 54.5 +1.0
LBNH	Lisbon	comp=Z,57nm,0.9s	78.76	318	eP	P	22 17 54.5 +1.0
LBNH	Lisbon	comp=Z,57nm,0.9s	78.76	318	eP	P	22 17 54.5 +1.0
HARP	HAARP	comp=Z,167nm,1.2s	79.02	4	eP	P	22 17 55.8 +1.2
HARP	HAARP	comp=Z,167nm,1.2s	79.02	4	eP	P	22 17 55.8 +1.2
VT1	Waterbury	comp=Z,29nm,0.8s	79.12	319	eP	P	22 17 55.7 +0.2
VT1	Waterbury	comp=Z,29nm,0.8s	79.12	319	eP	P	22 17 55.7 +0.2
FFD	Franklin Falls	comp=Z,74nm,0.3s	79.14	318	eP	P	22 17 56.7 +1.1
FFD	Franklin Falls	comp=Z,74nm,0.3s	79.14	318	eP	P	22 17 56.7 +1.1
FRNY	Flat Rock	comp=Z,33nm,0.9s	79.19	320	eP	P	22 17 56.0 +0.2
FRNY	Flat Rock	comp=Z,33nm,0.9s	79.19	320	eP	P	22 17 56.0 +0.2
HNH	Hanover	comp=Z,61nm,1.0s	79.31	318	eP	P	22 17 57.5 +1.0
HNH	Hanover	comp=Z,61nm,1.0s	79.31	318	eP	P	22 17 57.5 +1.0
SVW2	Sparrevoeh	comp=Z,160nm,1.4s	79.39	9	eP	P	22 17 57.7 +1.1
SVW2	Sparrevoeh	comp=Z,160nm,1.4s	79.39	9	eP	P	22 17 57.7 +1.1
SML	Sawmill	comp=Z,113nm,0.8s	79.41	5	eP	P	22 17 56.8 +0.1
SML	Sawmill	comp=Z,113nm,0.8s	79.41	5	eP	P	22 17 56.8 +0.1
SCM	Sheep Creek Mo	comp=Z,169nm,1.0s	79.46	5	eP	P	22 17 57.8 +0.8

SCM	Sheep Creek Mo	comp=Z,169nm,1.0s	79.46	5	eP	P	22 17 57.8 +0.8
SCM	Sheep Creek Mo	comp=Z,169nm,1.0s	79.46	5	eP	P	22 17 57.8 +0.8
SUA	Susitna One	comp=Z,120nm,0.9s	79.55	7	eP	P	22 17 58.2 +0.6
SUA	Susitna One	comp=Z,120nm,0.9s	79.55	7	eP	P	22 17 58.2 +0.6
PMR	Palmer	comp=Z,150nm,1.2s	79.56	6	eP	P	22 17 57.5 0.0
PMR	Palmer	comp=Z,149nm,1.3s	79.56	6	eP	P	22 17 57.5 0.0
PMR	Palmer	comp=Z,149nm,1.3s	79.56	6	eP	P	22 17 57.5 0.0
MDV	Middlebury	comp=Z,149nm,1.3s	79.57	319	eP	P	22 17 58.4 +0.5
MDV	Middlebury	comp=Z,149nm,1.3s	79.57	319	eP	P	22 17 58.4 +0.5
BCX	Boston College	comp=Z,43nm,0.3s	79.67	317	eP	P	22 17 58.4 -0.1
BCX	Boston College	comp=Z,43nm,0.3s	79.67	317	eP	P	22 17 58.4 -0.1
SPU	Mount Spurr	comp=Z,66nm,1.6s	79.70	7	eP	P	22 17 58.3 0.0
SPU	Mount Spurr	comp=Z,66nm,1.6s	79.70	7	eP	P	22 17 58.3 0.0
WES	Weston	comp=Z,66nm,1.6s	79.72	317	eP	P	22 17 58.9 +0.2
WES	Weston	comp=Z,66nm,1.6s	79.72	317	eP	P	22 17 58.9 +0.2
WES	Weston	comp=Z,66nm,1.6s	79.72	317	eP	P	22 17 58.9 +0.2
DAV	Davaco City (W)	comp=Z,260nm,20.0s	79.76	89	PFAKE	LR	22 18 10.0 +1.1
DAV	Davaco City (W)	comp=Z,260nm,20.0s	79.76	89	PFAKE	LR	22 18 10.0 +1.1
LONJ	Lake Ozonia	comp=Z,66nm,0.9s	79.85	320	eP	P	22 17 59.8 +0.4
LONJ	Lake Ozonia	comp=Z,66nm,0.9s	79.85	320	eP	P	22 17 59.8 +0.4
LONJ		comp=Z,437nm,19.0s					
KLU	Klutina	comp=Z,149nm,1.0s	79.89	4	eP	P	22 18 00.2 +0.8
KLU	Klutina	comp=Z,149nm,1.0s	79.89	4	eP	P	22 18 00.2 +0.8
RC01	Rabbit Creek A	comp=Z,113nm,1.0s	80.01	6	eP	P	22 18 00.3 +0.3
RC01	Rabbit Creek A	comp=Z,113nm,1.0s	80.01	6	eP	P	22 18 00.3 +0.3
RC01	Rabbit Creek A	comp=Z,113nm,1.0s	80.01	6	eP	P	22 18 00.3 +0.3
CBJJ	Chichi jima	comp=Z,400nm,22.0s	80.10	63	PFAKE	LR	22 18 10.0 +9.0
CBJJ	Chichi jima	comp=Z,400nm,22.0s	80.10	63	PFAKE	LR	22 18 10.0 +9.0
NCB	Newcomb	comp=Z,0.2nm,1.0s	80.13	319	eP	P	22 18 01.7 +0.7
NCB	Newcomb	comp=Z,0.2nm,1.0s	80.13	319	eP	P	22 18 01.7 +0.7
ACCN	Adirondack Com	comp=Z,60nm,1.0s	80.26	319	eP	P	22 18 02.1 +0.5
ACCN	Adirondack Com	comp=Z,60nm,1.0s	80.26	319	eP	P	22 18 02.1 +0.5
DIV	Divide	comp=Z,144nm,1.0s	80.26	4	eP	P	22 18 02.1 +0.7
DIV	Divide	comp=Z,144nm,1.0s	80.26	4	eP	P	22 18 02.1 +0.7
DIV		comp=Z,144nm,1.0s					
RSD	Redoubt South	comp=Z,83nm,0.8eP	80.33	8	eP	PP	22 18 02.2 +0.2
RSD	Redoubt South	comp=Z,83nm,0.8eP	80.33	8	eP	PP	22 21 06.1 +2.2
RSD	Redoubt South	comp=Z,83nm,0.8eP	80.33	8	eP	PP	22 18 02.2 +0.2
RSD	Redoubt South	comp=Z,83nm,0.8eP	80.33	8	eP	PP	22 21 06.1 +2.2
GLI	Glacier Island	comp=Z,78nm,1.0s	80.42	5	eP	PP	22 18 01.6 -0.6
GLI	Glacier Island	comp=Z,78nm,1.0s	80.42	5	eP	PP	22 18 01.6 -0.6
GLI	Glacier Island	comp=Z,78nm,1.0s	80.42	5	eP	PP	22 18 01.6 -0.6
BMRM	Bremner River	comp=Z,101nm,1.4s	80.48	4	eP	P	22 18 03.0 +0.4
BMRM	Bremner River	comp=Z,101nm,1.4s	80.48	4	eP	P	22 18 03.0 +0.4
BMRM	Bremner River	comp=Z,101nm,1.4s	80.48	4	eP	P	22 18 03.0 +0.4
BALM	Baldy	comp=Z,114nm,1.0s	80.52	3	eP	PP	22 18 03.7 +0.8
BALM	Baldy	comp=Z,114nm,1.0s	80.52	3	eP	PP	22 18 03.7 +0.8
BALM	Baldy	comp=Z,114nm,1.0s	80.52	3	eP	PP	22 21 07.6 +2.3
BALM	Baldy	comp=Z,114nm,1.0s	80.52	3	eP	PP	22 18 03.7 +0.8
BALM	Port Fidalgo	comp=Z,91nm,1.4s	80.59	5	eP	PP	22 18 07.6 +2.3
FID	Port Fidalgo	comp=Z,91nm,1.4s	80.59	5	eP	PP	22 18 04.3 +1.2
FID	Port Fidalgo	comp=Z,91nm,1.4s	80.59	5	eP	PP	22 18 04.3 +1.2
TRY	Troy	comp=Z,15nm,0.8s	80.72	318	eP	P	22 18 04.3 +0.2
TRY	Troy	comp=Z,15nm,0.8s	80.72	318	eP	P	22 18 04.3 +0.2
CRQM	Cirque	comp=Z,172nm,1.2s	80.76	3	eP	P	22 18 05.1 +0.8
CRQM	Cirque	comp=Z,172nm,1.2s	80.76	3	eP	P	22 18 05.1 +0.8
CRQM	Cirque	comp=Z,172nm,1.2s	80.76	3	eP	P	22 18 05.1 +0.8
HYT	Haines Junction	comp=Z,119nm,1.0s	80.83	0	eP	P	22 18 05.5 +1.0
HYT	Haines Junction	comp=Z,119nm,1.0s	80.83	0	eP	P	22 18 05.5 +1.0
HYT	Haines Junction	comp=Z,119nm,1.0s	80.83	0	eP	P	22 18 05.5 +1.0
EYAK	Cordova Ski Ar	comp=Z,151nm,1.1s	80.84	4	eP	P	22 18 05.3 +0.9
EYAK	Cordova Ski Ar	comp=Z,151nm,1.1s	80.84	4	eP	P	22 18 05.3 +0.9
EYAK	Cordova Ski Ar	comp=Z,151nm,1.1s	80.84	4	eP	P	22 18 05.3 +0.9
WHY	Whitehorse	comp=Z,38nm,1.3s	80.98	359	eP	P	22 18 05.3 0.0
WHY	Whitehorse	comp=Z,38nm,1.3s	80.98	359	eP	P	22 18 05.3

Table with columns: ID, Name, Az, El, SNR, P, R, Az, El, SNR, P, R. Includes rows like C37A Cotton, C35A Jirik Farms, E38A The Firm, F40A Park Falls, A31A Linda, St. Vin, CBN Corbin Frederi, B33A Robert and Kas, AAM Ann Arbor, D36A Goodland, AGMN Agassiz Nation, AGMN Agassiz Nation, AGMN Agassiz Nation, AGMN Spotsylvania F, SPFD Spotsylvania F, G41A Antigo, H43A Windswept, PTRD Partlow Road, PTRD Partlow Road, MCWV Mont Chateau, MCWV Mont Chateau, B32A Ashes, Strandq, F39A Loretta, E37A Wrenshall, C34A RKJ Ranch, Bem, CVRD Centerville Ro, CVRD Centerville Ro, H42A Shiocton, IP01 Cuckoo, IP01 Cuckoo, D35A Remer, G40A Rib Lake, C33A Trail, IP06 Yanceyville, IP06 Yanceyville, URVA University of, URVA University of, IP07 Quail, IP07 Quail, B31A Greenbush Farm, F38A Pierce - Schro, JSRW J. Sargeant Re, JSRW J. Sargeant Re, E36A McGregor, C32A Crookston, I43A Langenfeld Bro, H41A Junction City, G39A Holcombe, D34A Park Rapids, MMRI Maumere, MMRI Maumere, E35A Pequay Lakes, D33A AnnSam, Waubun, F37A Hinrichs Farm, I42A Draeger Farm, H40A Chill, C31A Landman Farms, G38A Ridgeland, J43A Natural Harves, F36A Milaca, ACSO Alum Creek Sta, ACSO Alum Creek Sta, ACSO Alum Creek Sta, E34A Wadena, I41A Arkdale, H39A Augusta, D32A Dogwood Acres, SPMN Marine on St., SPMN Marine on St., SPMN Marine on St., J42A Columbus, E33A Westby DABS, E, F35A Swanville, D31A McClaffin, Tow, H40A Norwalk, H38A Maiden Rock, G36A St. Michael, M46A Old House Fiel, J41A Loganville, F34A Alexandria, H37A Dierke Farm, C, I39A Houston, J40A Soldiers Grove, E31A Nome, BLA Blacksburg, BLA Blacksburg.

Table with columns: ID, Name, Az, El, SNR, P, R, Az, El, SNR, P, R. Includes rows like F33A 5 Mile Ranch, I38A Scanlan Farm, L43A Garden Prairie, CNNC Cliffs of the, JFWS Jewell Farm, DGMT Dagmar, DGMT Dagmar, DGMT Dagmar, H36A Jesseland, He, N46A Monticello, G34A Benson, J39A Decorch, K41A Shullsburg, M44A Midewin, Midew, H35A Sunnyside Ranc, I37A Lemond, Waseca, O47A Sheridan, G33A Ortonville, L42A Oliver, Polo, K40A Colesburg, J38A Wedel Dairy, R, I36A Fitzsimmons Fa, M43A Waltham Townsh, SFIN Lafayette, SFIN Lafayette, SFIN Lafayette, H34A Spellman Lake, L41A Preston, G32A Webster, N44A Piper City, SOEI Soe, SOEI Soe, K39A Oelwein, M42A Sheffield, P47A Martinsville, J37A Redenius Farm, H33A Prehn Over Nor, O45A Potomac, I35A Greenvew Farm, L40A Anamosa, N43A Stuman Famil, K38A Parkersburg, I34A Hadley, J36A Seneca 1, Swea, P46A Rosedale, BLO Bloomington, BLO Bloomington, BLO Bloomington, BLO Bloomington, L39A Vinton, M41A Milan, H32A Carlson Farm, O44A Mansfield, K37A Belmont, Q47A Bedord North L, HDIL Hopedale, HDIL Hopedale, HDIL Hopedale, J35A Milford, I33A Coleman, N42A Yates City, LLLB Lilloet, LLLB Lilloet, O43A Sugar Creek Fa, L38A Oak Wood Farm, ECSD EROS Data Cent, ECSD EROS Data Cent, ECSD EROS Data Cent, I32A Karley and Nic, WALA Waterton Lakes, WALA Waterton Lakes, K36A Gilmore City, KMSC Kings Mountain, KMSC Kings Mountain, KMSC Kings Mountain, EGMT Eagleton, EGMT Eagleton, EGMT Eagleton, J34A George, M39A Webster, WCI Wyandotte Cave.

Table with columns: ID, Name, Az, El, SNR, P, R, Az, El, SNR, P, R. Includes rows like WCI Wyandotte Cave, WCI Wyandotte Cave, SUSD Miller, SCIA State Center, SCIA State Center, N41A Harden Midland, L37A Phoenix Point, P44A San Creek, Wi, GUMO Guam, N40A Merguake, Sal, LAO LASA Array, LAO LASA Array, LAO LASA Array, LAO LASA Array, J33A Davy, P43A Skaggs, Pawnee, M38A Pleasantville, OLIL Olney, OLIL Olney, SMRT St. Maarten, SMRT St. Maarten, K34A Le Mars, O41A Passleys Farm, N39A Derby Farms, D, SKI Saint Kitts, SKI Saint Kitts, Q44A Meyer Farm, Va, P42A Winchester, TKL Tuckaleechee C, TKL Tuckaleechee C, TKL Tuckaleechee C, TKL Tuckaleechee C, L35A Bielov Farm, R, M37A Trindle Farm, NHSC New Hope, NHSC New Hope, USIN University of, USIN University of, BG3 Lake Jocassee, BG3 Lake Jocassee, BG3 Lake Jocassee, BG3 Lake Jocassee, SABA Saba, SABA Saba, BLMT Blacktail Moun, BLMT Blacktail Moun, O40A La Belle, N38A Joes South For, P41A Barry, Barry, Q43A New Douglas, YBMT Yellow Bay, YBMT Yellow Bay, HODGE Hodges, HODGE Hodges, O39A Kirksville, BSMT Bassoo Peak, BSMT Bassoo Peak, K32A Verdige, NEW Newport, NEW Newport, NEW Newport, NEW Newport, R44A Waltonville, CPCT Cooper Cave, CPCT Cooper Cave, SWMT Swartz Lake, SWMT Swartz Lake, L33A Hoskins, M35A Neola, Q42A Golden Eagle, N37A Lee Faris, Mou, SLM Saint Louis, SLM Saint Louis, SLM Saint Louis, SLMT Seeley Lake, SLMT Seeley Lake, SLMT Seeley Lake, B08A Colville Reser, B08A Colville Reser, S45A Carrier Mills, K31A O'Neill, P40A Paris, A04D Lummi Island, HRY Holter Resear, HRY Holter Resear, O38A Galt, R43A Red Bud, N36A Muff Farm, Cla, Q41A Truxton, M34A Aspy Farms, Fr, CHMT Chamberlain Mo, CHMT Chamberlain Mo, L32A Elgin, S44A Carbonade.

C09A	baz=35,SNR=11	92.29 348 eP	P	22 19 02.0 +1.0	QLMT Earthquake Lak	93.74 342 eP	P	22 19 09.3 +1.3	PDAR comp=Z,4.0nm,1.0s,baz=29,slow=3.4,SNR=17	PP	22 23 04.0 +0.4
C09A	Chrisman Ranch comp=Z,42nm,1.8s	92.29 348 eP	P	22 19 02.0 +1.0	QLMT Earthquake Lak	93.74 342 eP	P	22 19 09.3 +1.3	PDAR comp=Z,1.8nm,0.9s,baz=30,slow=6.8,SNR=3.7	PP	22 23 04.0 +0.4
P39B	Salisbury comp=Z,42nm,1.8s	92.30 327 P	P	22 19 00.7 -0.5	YHB Horse Butte comp=Z,34nm,1.5s	93.75 342 eP	P	22 19 09.2 +1.1	PDAR comp=Z,508nm,20.4s,baz=29,slow=3.6	LR	22 23 04.0
N35A	Tabor baz=31	92.31 330 P	P	22 19 00.9 -0.3	YHB Horse Butte comp=Z,34nm,1.5s	93.75 342 eP	P	22 19 09.2 +1.1	PDAR Pinedale Array 95.20 340 PP	PP	22 23 04.0 +0.5
RSSD	Black Hills baz=25	92.37 337 P	P	22 19 01.7 0.0	YHB Horse Butte comp=Z,34nm,1.5s	93.75 342 eP	P	22 19 09.2 +1.1	PDAR Cheneyville 18 95.20 328 P	P	22 19 13.4 -1.2
RSSD	Black Hills comp=Z,52nm,1.4s	92.37 337 eP	P	22 19 02.3 +0.6	S40A Lebanon comp=Z,600nm,21.0s	93.77 326 P	P	22 19 07.4 -0.6	U39A Green Forest baz=32	P	22 19 13.6 -1.1
RSSD	Black Hills comp=Z,52nm,1.4s	92.37 337 eP	P	22 19 02.3 +0.6	YMR Madison River comp=Z,40nm,1.4s	93.78 342 eP	P	22 19 09.9 +1.7	S35A Otter Creek Ra 95.31 329 P	P	22 19 14.2 -0.9
RSSD	Black Hills comp=Z,52nm,1.4s	92.37 337 eP	P	22 19 02.3 +0.6	YMR Madison River comp=Z,40nm,1.4s	93.78 342 eP	P	22 19 09.9 +1.7	Y45A Yeager Farm, C baz=31	P	22 19 14.9 -1.1
MSO	Missoula baz=18,SNR=7.0	92.41 344 eP	P	22 19 01.7 0.0	U43A Rector comp=Z,40nm,1.4s	93.85 324 P	P	22 19 07.4 -0.9	RWWY Rawlins comp=Z,19nm,1.2s	eP	22 19 16.3 -0.1
MSO	Missoula comp=Z,29nm,1.3s	92.41 344 eP	P	22 19 02.2 +0.5	Q36A Arnold C. Orve baz=31	93.86 329 P	P	22 19 07.4 -1.0	RWWY Rawlins comp=Z,19nm,1.2s	eP	22 19 16.3 -0.1
MSO	Missoula comp=Z,29nm,1.3s	92.41 344 eP	P	22 19 02.2 +0.5	HAWA Hanford comp=Z,21nm,1.3s	93.87 348 eP	P	22 19 08.0 -0.3	U38A Gravette baz=32,SNR=8.1	P	22 19 15.0 -1.2
B05A	Bryant baz=11	92.42 350 P	P	22 19 01.0 -0.6	HAWA Hanford comp=Z,21nm,1.3s	93.87 348 eP	P	22 19 08.0 -0.3	HLID Hailey comp=Z,476nm,21.0s	LR	22 19 30.0 +1.3
Q40A	Laux Farm, Aux baz=33,SNR=12	92.42 325 P	P	22 19 01.4 -0.6	HAWA Hanford comp=Z,21nm,1.3s	93.87 348 eP	P	22 19 08.0 -0.3	HLID Hailey comp=Z,476nm,21.0s	LR	22 19 30.0 +1.3
R42A	Luebering baz=34	92.51 328 P	P	22 19 01.6 -0.5	PLAL Pickwick Lake comp=Z,19nm,0.6s	93.88 322 eP	P	22 19 07.1 -1.4	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
P38A	Dawn baz=32,SNR=7.3	92.53 325 eP	P	22 19 02.3 -0.1	PLAL Pickwick Lake comp=Z,19nm,0.6s	93.88 322 eP	P	22 19 07.1 -1.4	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
FVM	French Village comp=Z,25nm,1.1s	92.53 325 eP	P	22 19 02.2 -0.1	R38A Fenwick Farm, baz=32,SNR=6.0	93.88 322 eP	P	22 19 07.1 -1.4	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
FVM	French Village comp=Z,25nm,1.1s	92.53 325 eP	P	22 19 02.2 -0.1	P34A Walnut Farm, R baz=30,SNR=6.0	93.90 330 P	P	22 19 08.2 -0.5	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
FVM	French Village comp=Z,25nm,1.1s	92.53 325 eP	P	22 19 02.2 -0.1	T41A Mountain View baz=34	93.91 325 P	P	22 19 08.0 -0.6	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
C06D	Leavenworth baz=12	92.59 349 ePP	PP	22 22 40.7 -2.0	H17A Grant Village baz=20,SNR=5.9	93.94 341 P	P	22 19 10.8 +1.8	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
N34A	Lincoln baz=30	92.67 331 P	P	22 19 02.2 -0.6	H17A Grant Village baz=20,SNR=5.9	93.94 341 P	P	22 19 10.8 +1.8	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
O36A	Bolckow baz=31	92.67 329 P	P	22 19 02.2 -0.7	H17A Grant Village baz=20,SNR=5.9	93.94 341 P	P	22 19 10.8 +1.8	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
R41A	Rosebud baz=34,SNR=8.9	92.70 326 P	P	22 19 02.3 -0.7	YFT Old Faithful comp=Z,1um,18.0s	93.95 342 eP	P	22 19 12.0 +3.0	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
S43A	Fulton Ridge, baz=35,SNR=6.5	92.71 325 P	P	22 19 02.4 -0.8	YFT Old Faithful comp=Z,50nm,1.3s	93.95 342 eP	P	22 19 12.0 +3.0	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
Q39A	Willow Grove F baz=33	92.76 327 P	P	22 19 02.5 -0.8	YFT Old Faithful comp=Z,50nm,1.3s	93.95 342 eP	P	22 19 12.0 +3.0	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
G0GA	Godfrey comp=Z,534nm,19.0s	92.79 318 PFAKE	LR	22 19 20.0 +1.6	YFT Old Faithful comp=Z,50nm,1.3s	93.95 342 eP	P	22 19 12.0 +3.0	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
BGNE	Belgrade baz=28	92.79 332 P	P	22 19 03.4 -0.1	S39A Bolivar comp=Z,1um,18.0s	94.05 327 P	P	22 19 08.5 -0.8	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
BGNE	Belgrade comp=Z,113nm,1.0s	92.79 332 eP	P	22 19 03.7 +0.2	MCMT McKenzie Canyo comp=Z,52nm,1.5s	94.07 343 P	P	22 19 10.3 +0.7	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
BGNE	Belgrade comp=Z,113nm,1.0s	92.79 332 eP	P	22 19 03.7 +0.2	MCMT McKenzie Canyo comp=Z,52nm,1.5s	94.07 343 P	P	22 19 10.3 +0.7	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
CCM	Cathedral Cave comp=Z,113nm,1.0s	92.84 326 eP	P	22 19 03.4 -0.3	YPP Pitchstone Pla comp=Z,52nm,1.5s	94.11 342 eP	P	22 19 12.4 +2.6	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
CCM	Cathedral Cave comp=Z,113nm,1.0s	92.84 326 eP	P	22 19 03.4 -0.3	T40A Mansfield baz=33	94.15 326 P	P	22 19 09.0 -0.8	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
CCM	Cathedral Cave comp=Z,16nm,1.0s	92.84 326 eP	P	22 19 03.4 -0.3	R37A Teagarden Farm baz=33	94.16 328 P	P	22 19 08.6 -1.1	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
CCM	Cathedral Cave comp=Z,16nm,1.0s	92.84 326 eP	P	22 19 03.4 -0.3	Q35A Mercer Eighty, baz=31	94.18 329 P	P	22 19 09.1 -0.8	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
S42A	Caledonia baz=34,SNR=6.6	92.88 328 P	P	22 19 03.2 -0.7	KSU1 Kansas State U baz=34	94.20 330 P	P	22 19 09.3 -0.7	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
P37A	Lathrop baz=32	92.89 324 P	P	22 19 03.4 -0.5	KSU1 Kansas State U baz=34	94.20 330 P	P	22 19 09.3 -0.7	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
T44A	Benton baz=35	92.92 341 P	P	22 19 04.9 +0.6	U42A Revenden comp=Z,347nm,20.0s	94.25 325 P	P	22 19 09.7 -0.5	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
RLMT	Red Lodge baz=21,SNR=16	92.92 341 eP	P	22 19 05.1 +0.8	E03A Lebam comp=Z,SNR=13	94.30 351 eP	P	22 19 11.1 +0.9	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
RLMT	Red Lodge comp=Z,34nm,1.1s	92.92 341 eP	P	22 19 05.1 +0.8	E03A Lebam comp=Z,49nm,1.0s	94.30 351 eP	P	22 19 11.2 +0.9	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
RLMT	Red Lodge comp=Z,34nm,1.1s	92.92 341 eP	P	22 19 05.1 +0.8	S38A Stockton baz=32,SNR=15	94.35 327 P	P	22 19 09.7 -1.0	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
RLMT	Red Lodge comp=Z,34nm,1.1s	92.92 341 eP	P	22 19 05.1 +0.8	K22A Casper baz=23,SNR=8.1	94.46 338 P	P	22 19 10.6 -0.7	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
O35A	Humboldt comp=Z,372nm,20.0s	92.93 330 P	P	22 19 03.3 -0.8	K22A Casper comp=Z,52nm,1.4s	94.46 338 eP	P	22 19 11.2 -0.1	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
LRM	Limekiln Ridge baz=31	93.04 343 eP	P	22 19 05.5 +0.7	K22A Casper comp=Z,52nm,1.4s	94.46 338 eP	P	22 19 11.2 -0.1	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
LRM	Limekiln Ridge baz=31	93.04 343 eP	P	22 19 05.5 +0.7	Q34A Chapman comp=Z,52nm,1.4s	94.49 330 P	P	22 19 10.7 -0.6	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
BOZ	Bozeman (W) baz=19,SNR=12	93.06 343 eP	P	22 19 04.9 +0.1	IMW Indian Meadow comp=Z,41nm,0.8s	94.49 341 eP	P	22 19 12.8 +1.2	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
BOZ	Bozeman (W) comp=Z,41nm,0.8s	93.06 343 eP	P	22 19 05.3 +0.5	IMW Indian Meadow comp=Z,41nm,0.8s	94.49 341 eP	P	22 19 12.8 +1.2	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
BOZ	Bozeman (W) comp=Z,41nm,0.8s	93.06 343 eP	P	22 19 05.3 +0.5	OGNE Ogallala comp=Z,476nm,20.0s	94.58 334 PFAKE	LR	22 19 20.0 +8.2	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
BOZ	Bozeman (W) comp=Z,41nm,0.8s	93.06 343 eP	P	22 19 05.3 +0.5	OGNE Ogallala comp=Z,476nm,20.0s	94.58 334 PFAKE	LR	22 19 20.0 +8.2	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
R40A	Madies Statio baz=33,SNR=12	93.09 326 P	P	22 19 04.1 -0.8	MOOW Moose Ponds comp=Z,11m,1.3s	94.58 341 eP	P	22 19 13.1 +1.2	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
U45A	Rockin P Farm, baz=36	93.10 323 P	P	22 19 04.0 -1.0	MOOW Moose Ponds comp=Z,11m,1.3s	94.58 341 eP	P	22 19 13.1 +1.2	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
Q38A	Cooks Store, C baz=32,SNR=8.5	93.11 328 P	P	22 19 04.2 -0.7	S37A Fort Scott comp=Z,31nm,1.3s	94.63 328 P	P	22 19 10.8 -1.1	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
N33A	J Bar K, Exete baz=30	93.11 331 P	P	22 19 04.4 -0.5	T39A Clever baz=32	94.63 326 P	P	22 19 11.0 -1.0	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
D08A	Wollman Farm, baz=30	93.12 348 eP	P	22 19 05.8 +0.9	Y47A UCPARC, Winfie baz=36	94.64 321 P	P	22 19 10.6 -1.4	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
D08A	Wollman Farm, comp=Z,39nm,1.6s	93.12 348 eP	P	22 19 05.8 +0.9	LOHW Long Hollow comp=Z,19nm,0.9s	94.68 341 eP	P	22 19 13.7 +1.4	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
UTMT	University of comp=Z,39nm,0.5s	93.16 323 eP	P	22 19 05.0 -0.2	LOHW Long Hollow comp=Z,19nm,0.9s	94.68 341 eP	P	22 19 13.7 +1.4	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
UTMT	University of comp=Z,39nm,0.5s	93.16 323 eP	P	22 19 05.0 -0.2	LOHW Long Hollow comp=Z,19nm,0.9s	94.68 341 eP	P	22 19 13.7 +1.4	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
P36A	Good Intent, A baz=31	93.20 329 P	P	22 19 04.7 -0.6	R35A Emporia Municl baz=31	94.71 329 P	P	22 19 11.2 -1.1	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
LTY	Liberty comp=Z,21nm,1.4s	93.20 349 eP	P	22 19 05.2 -0.1	FXWY Fox Creek comp=Z,28nm,1.4s	94.76 341 eP	P	22 19 13.9 +1.2	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
LTY	Liberty comp=Z,21nm,1.4s	93.20 349 eP	P	22 19 05.2 -0.1	FXWY Fox Creek comp=Z,28nm,1.4s	94.76 341 eP	P	22 19 13.9 +1.2	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
T43A	Greenville baz=34	93.21 324 P	P	22 19 04.7 -0.7	V42A Cord baz=34	94.76 324 P	P	22 19 11.9 -0.7	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
O34A	Beatrice baz=30	93.31 330 P	P	22 19 05.5 -0.3	SNOW Snow King Moun comp=Z,24nm,0.9s	94.86 341 eP	P	22 19 14.4 +1.2	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
U44B	Burton Farm, H baz=35	93.39 323 P	P	22 19 05.5 -0.7	SNOW Snow King Moun comp=Z,24nm,0.9s	94.86 341 eP	P	22 19 14.4 +1.2	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
GLAT	Glass comp=Z,67nm,0.5s	93.41 323 eP	P	22 19 06.5 +0.1	TPAW Teton Pass comp=Z,44nm,1.4s	94.88 341 eP	P	22 19 14.5 +1.2	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
GLAT	Glass comp=Z,67nm,0.5s	93.41 323 eP	P	22 19 06.5 +0.1	TPAW Teton Pass comp=Z,44nm,1.4s	94.88 341 eP	P	22 19 14.5 +1.2	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
S41A	Jilco Farms, baz=34,SNR=11	93.45 326 P	P	22 19 05.9 -0.6	LRAL Lakeview Rete comp=Z,39nm,1.4s	94.91 320 eP	P	22 19 12.4 -0.9	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
D05A	Enumclaw comp=Z,79nm,1.5s	93.46 350 eP	P	22 19 07.7 +1.3	LRAL Lakeview Rete comp=Z,39nm,1.4s	94.91 320 eP	P	22 19 12.4 -0.9	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
D05A	Enumclaw comp=Z,79nm,1.5s	93.46 350 eP	P	22 19 07.7 +1.3	Z48A Northport baz=35	94.91 320 P	P	22 19 11.9 -1.4	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
NLWA	Neilton Lookou comp=Z,41nm,1.2s	93.50 351 eP	P	22 19 08.2 +1.6	U40A Yellville baz=33	94.96 326 P	P	22 19 12.6 -1.0	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
NLWA	Neilton Lookou comp=Z,41nm,1.2s	93.50 351 eP	P	22 19 08.2 +1.6	X45A UM Field Stati baz=35	94.97 322 P	P	22 19 12.3 -1.3	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
DLMT	Dillon comp=Z,597nm,20.0s	93.51 343 eP	P	22 19 05.9 -1.0	BMO Blue Mountains comp=Z,8.2nm,1.2s	94.97 346 eP	P	22 19 13.2 -0.3	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
DLMT	Dillon comp=Z,20nm,1.1s	93.51 343 eP	P	22 19 05.9 -1.0	BMO Blue Mountains comp=Z,8.2nm,1.2s	94.97 346 eP	P	22 19 13.2 -0.3	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
E09A	Wood Farm, Sta comp=Z,15nm,1.0s	93.52 347 eP	P	22 19 07.1 +0.4	BMO Blue Mountains comp=Z,8.2nm,1.2s	94.97 346 eP	P	22 19 13.2 -0.3	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
E09A	Wood Farm, Sta comp=Z,15nm,1.0s	93.52 347 eP	P	22 19 07.1 +0.4	REDW Red Top Meadow comp=Z,600nm,19.0s	94.97 341 eP	P	22 19 14.8 +1.1	CBKS Cedar Bluff baz=28	eP	22 19 15.9 -0.7
E09A	Wood Farm, Sta comp=Z,15nm,1.0s	93.52 347 eP	P	22 19 07.1 +0.4	REDW Red						

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes entries like Q24A Divide, W35A Tecumseh, and W35A Maple Canyon.

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes entries like TUC Tucson, TXAR Lajitas Array, and SYO Symora Base.

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes entries like MESJ Castro Verde, PCVE Castro Verde, and PMAFR Mafra.

ISCJB 08 22:06:02.0, 0.3, 36.43N, 0.02: 11.17W, 0.03, h35km, Error ellipse: s-maj=6.6km s-min=2.8km az=39.3

CSEM 08 22:06:03.5, 0.2, 36.52N, 11.33W, h30km, ML3.9/5, Error ellipse: s-maj=6.0km s-min=3.2km az=120.0

MDD 08 22:06:04.2, 0.7, 36.49N, 11.40W, h35km, 19km, mb4.5/50, Error ellipse: s-maj=6.6km s-min=4.8km az=114.0,

PRXIMO IGLI 08 22:06:05.2, 36.46N, 11.33W, h31km, ML2.8

INMG 08 22:06:05.9, 1.1, 36.48N, 11.32W, h31km, MD2.9, ML3.0, Error ellipse: s-maj=3.6km s-min=2.4km az=94.0

CNRM 08 22:06:06.2, 36.37N, 11.16W, h30km, MD3.5

LDG 08 22:06:06.1, 0.1, 36.55N, 11.32W, h30km, ML3.4/3, Error ellipse: s-maj=2.8km s-min=2.1km az=119.0

ISC 08 22:06:09.0, 0.5, 36.42N, 0.03: 11.42W, 0.03, h35km, n236, c=88/375, 20C-1D, Azores-Cape St. Vincent Ridge

Table with columns: Code, Station Name, Azimuth, Elevation, Mode, Power, Azimuth, Elevation, and other parameters. Includes entries like Code Station Name, PFVI Vila Bisbo, and MORF Marletele.

ECEU	comp=N,3.8nm,0.1s	5.01	36	ePn	Pn	22 08 06.2	-0.7
MTE	Manteigas	5.01	36	ePn	Pn	22 07 15.7	+3.2
MTE				eSn	Sn	22 08 07.8	-1.4
MTE				A	A	22 08 10.4	
MTE	comp=N,16nm,0.1s	5.01	36	P	Pn	22 07 15.7	+3.2
MTE	Manteigas	5.01	36	P	Pn	22 08 07.8	-1.4
MTE	comp=N,8.1nm,0.1s	5.01	36	P	Pn	22 07 15.7	+3.2
MTE	Manteigas	5.01	36	P	Pn	22 08 07.8	-1.4
ECAB	El Cabril	5.07	69	IP	Pn	22 07 16.5	+3.2
ECAB	comp=N,12nm,0.1s,SNR=18						
ECAB	comp=N,10nm,0.2s,SNR=8.3					22 08 09.1	-1.5
ECAB	El Cabril	5.07	69	P	Pn	22 07 16.5	+3.2
ECAB	comp=N,12nm,0.1s,SNR=18						
ECAB	comp=N,10nm,0.2s,SNR=8.3					22 08 09.1	-1.5
PTO	Porto	5.20	24	ePn	Pn	22 07 18.5	+3.4
PTO				eSn	Sn	22 08 13.2	-0.7
PTO				P	Pn	22 08 13.2	-0.7
PTO	Porto	5.20	24	P	Pn	22 08 13.2	-0.7
PTO				S	Sn	22 08 13.2	-0.7
PTO				S	Sn	22 07 20.2	+4.4
PMPS	Porto Santo	5.25	232	ePn	Pn	22 08 14.9	-0.3
PMPS				eSn	Sn		
PMPS	comp=N,19nm,0.6s						
PMPS	Porto Santo	5.25	232	P	Pn	22 07 20.2	+4.4
PMPS				S	Sn	22 08 14.9	-0.3
PMPS	comp=N,9.3nm,0.6s						
PMPS	Porto Santo	5.25	232	ePn	Pn	22 07 20.2	+4.4
PMPS				eSn	Sn	22 08 14.9	-0.3
CIA	Chichauoa	5.32	155	P	Pn	22 07 21.0	+4.2
CIA				S	Sn	22 08 17.0	+0.1
CIA	Chichauoa	5.32	155	iP	Pn	22 07 21.0	+4.2
CIA				S	Sn	22 08 17.0	+0.1
EMIJ	Mijas	5.36	86	P	Pn	22 07 20.5	+3.2
EMIJ	comp=N,2.2nm,0.2s,SNR=16						
EMIJ				S	Sn	22 08 15.6	-2.2
EMIJ	comp=N,15nm,0.5s,SNR=5.9						
EMIJ	Mijas	5.36	86	P	Pn	22 07 20.5	+3.2
EMIJ	comp=N,2.2nm,0.2s,SNR=16						
EMIJ				S	Sn	22 08 15.6	-2.2
EPLA	Plasencia	5.56	47	P	Pn	22 07 23.2	+3.1
EPLA	comp=N,5.2nm,0.1s,SNR=40						
EPLA				S	Sn	22 08 20.5	-2.3
EPLA	comp=N,8.6nm,0.1s,SNR=12						
EPLA	Plasencia	5.56	47	P	Pn	22 07 23.2	+3.1
EPLA	comp=N,5.2nm,0.1s,SNR=40						
EPLA				S	Sn	22 08 20.5	-2.3
PVRL	Vila Real	5.65	30	eSn	Sn	22 08 23.7	-1.2
PVRL				A	A	22 08 26.2	
PVRL	comp=N,16nm,0.3s						
PVRL	Vila Real	5.65	30	S	Sn	22 08 23.7	-1.2
PVRL	comp=N,7.8nm,0.3s						
PVRL	Vila Real	5.65	30	S	Sn	22 08 23.7	-1.2
POLO	Lamas de Oio	5.70	29	ePn	Pn	22 07 25.3	+3.2
POLO				eSn	Sn	22 08 23.8	-2.5
POLO				A	A	22 08 28.1	
POLO	comp=N,7.0nm,0.5s						
POLO	Lamas de Oio	5.70	29	ePn	Pn	22 07 25.3	+3.2
POLO				eSn	Sn	22 08 23.8	-2.5
EADA	Adamuz	5.73	70	IP	Pn	22 07 25.7	+3.3
EADA	comp=N,18nm,0.2s,SNR=18						
EADA				S	Sn	22 08 25.5	-1.4
EADA	comp=N,7.4nm,0.1s,SNR=7.9						
EADA	Adamuz	5.73	70	P	Pn	22 07 25.7	+3.3
EADA	comp=N,18nm,0.2s,SNR=18						
EADA				S	Sn	22 08 25.5	-1.4
PMAR	Madeira	5.84	232	ePn	Pn	22 07 28.8	+4.7
PMAR				eSn	Sn	22 08 29.8	-0.1
PMAR				A	A	22 08 32.7	
PMAR	comp=N,25nm,0.3s						
PMAR	Madeira	5.84	232	P	Pn	22 07 28.8	+4.7
PMAR				S	Sn	22 08 29.8	-0.1
PMAR	comp=N,12nm,0.3s						
PMAR	Madeira	5.84	232	ePn	Pn	22 07 28.8	+4.7
PMAR				eSn	Sn	22 08 29.8	-0.1
MVO	Moncorvo	5.85	35	ePn	Pn	22 07 26.9	+2.8
MVO				eSn	Sn	22 08 28.1	-1.9
MVO				A	A	22 08 29.3	
MVO	comp=N,12nm,0.1s						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						
MVO				S	Sn	22 08 27.2	-2.8
MVO	comp=N,12nm,0.1s,SNR=8.7						
MVO	Moncorvo	5.85	35	P	Pn	22 07 26.7	+2.6
MVO	comp=N,4.9nm,0.2s,SNR=12						



ellipse: s-maj=20.2km s-min=12.2km az=34.0
IDC 08 22:06:12.2+1.24:33S:67.01W,h160km,qkm,mb4.0/13,
mb1.4.1/19,mb1mx4.0/30,mbtmp4.4/19,Error ellipse:
s-maj=12.8km s-min=11.4km az=57.0

GUC 08 22:06:14.2+0.5.24:32S:67.72W,h201km,l0km,ML5.0
ISC 08 22:06:12.4+0.6.24:36S:0.04:67.23W,0.04,h167km,5km,
n81,+r165/102,mb4.4/27,11C-4D,Chile-Argentina
border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like San Lorenzo, Zapla, Hamuhua, Cafateya, Limon Verde, Santa Barbara, Yavi, IPOC Station P, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like KSH, MKAR, KLR, MJAR, SONM, LZH, CD2.

CSEM 08 22:24:27.9:0.2,38.73N:43.19E,h10km,MD2.9,Error
ellipse: s-maj=4.9km s-min=4.4km az=95.0

DDA 08 22:24:27.6,38.73N:43.19E,h7km,MD2.5
ISK 08 22:24:27.2,38.73N:43.21E,h11km,MD2.9
ISCJB 08 22:24:28.0:0.4,38.74N:0.03:43.17E,0.05,h10km,6km,
Error ellipse: s-maj=6.8km s-min=4.3km az=179.1

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like VANB, ERVC, ADCV, BITLIS, etc.

ISK 08 22:28:32.3,38.75N:43.48E,h5km,MD2.8
ISCJB 08 22:28:33.8:0.5,38.75N:0.04:43.51E,0.06,h13km,4km,
Error ellipse: s-maj=9.5km s-min=3.9km az=33.4

CSEM 08 22:28:33.4:0.3,38.75N:43.51E,h5km,MD2.8,Error
ellipse: s-maj=8.9km s-min=4.9km az=121.0

DDA 08 22:28:33.4,38.73N:43.51E,h7km,MD2.7
ISC 08 22:28:32.2:1.0,38.71N:0.04:43.55E,0.05,h24km,6km,
n21,+r103/34,Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like VANB, ERVC, ADCV, BITLIS, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like CLDR, ADCV, BASK, BASKALE, etc.

NIED 08 22:45:00.37:50N:142.70E,h26km,Mw4.4 Best double
couple: M3.78000:1015 NP1:φ=20.0000° δ25.0000°,
λ-109.00000°. NP2:φ=221.0000°, δ66.0000°,
λ-81.00000°.

ISCJB 08 22:45:02.3:0.7,37.46N:102.43E,h33km,6km,
mb4.4/35,MS4.0/13,Error ellipse: s-maj=7.1km
s-min=4.5km az=2.4

JMA 08 22:45:02.5:0.2,37.52N:142.72E,h36km,M4.5
JMA Fell I J1

NEIC 08 22:45:04.8:0.9,37.40N:142.76E,h36km,6km,mb5.0/7,
Error ellipse: s-maj=10.0km s-min=6.6km az=86.0

NEIC Recorded (1 JMA) in Fukushima
BUJ 08 22:45:04.2,36.94N:141.90E,h30km,mb4.5/40,mb4.9/26,
MS4.2/23,MS7.4/124

IDC 08 22:45:04.8:4.2,37.39N:142.75E,h33km,32km,mb4.0/19,
mb1.4.1/24,mb1mx4.0/48,mbtmp4.2/24,ML4.0/3,MS3.9/6,
Ms1.3.9/6,ms1mx3.3/42,Error ellipse: s-maj=19.2km
s-min=13.4km az=96.0

ISC 08 22:45:06.3:1.0,37.55N:0.04:142.51E,0.06,h45km,7km,
n85,+r255/108,mb4.3/35,MS4.0/13,Off east coast of
honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like JIO, JFK, JFM, JMK, etc.











9d 2h

Table with columns: SRMT, Siirt\_Merkez, 1.49 241, i P, Pb, 01 52 27.2 +0.1, WDT, Danda, 1.11 240, e P, Pg, 02 10 31.0 -0.4

ISK 09 01:58:55.5, 38°6'N; 43°21'E, h5km, MD2.7
CSEM 09 01:58:56.8, 0.2, 38°65'N; 43°19'E, h8km, MD2.7, Error
ellip: s-maj=5.4km s-min=4.2km az=157.0

ISCJB 09 01:58:57.0, 38°66'N; 0°03'43"E, h11km, 5km,
Error ellip: s-maj=5.6km s-min=4.8km az=27.9

DDA 09 01:58:57.1, 38°59'N; 43°16'E, h7km, MD2.9
Error ellip: s-maj=5.6km s-min=4.8km az=27.9

ISC 09 01:58:56.2, 1.0, 38°66'N; 0°03'43"E, 0.02, h14km, 8km,
n20, c0968/46, Turkey

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

TRN 09 02:01:51.6, 15°55'N; 60°69'W, h113km, MD3.7, 1C-2D,
Leeward Islands

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

ISCJB 09 02:10:11.7, 0.2, 24°33'N; 0°04'12"E, h12km, 5km,
Error ellip: s-maj=6.9km s-min=3.1km az=178.3
JMA 09 02:10:11.2, 0.1, 24°21'N; 122°02'E, h5km, 3km, MD2.5
TAP 09 02:10:12.0, 0.4, 24°32'N; 122°16'E, h13km, ML3.0, 0

ISC 09 02:10:10.0, 1.3, 24°32'N; 0°05'12"E, h5km, 11km,
n22, c0971/38, 1, Taiwan region

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

2011 NOV

Table with columns: WDT, Danda, 1.11 240, e P, Pg, 02 10 31.0 -0.4

AZER 09 02:19:43.5, 0.7, 37°23'N; 42°44'E, h2km, Error ellip:
s-maj=4.9km s-min=4.4km az=87.0

IDC 09 02:19:59.8, 1.9, 38°11'N; 43°40'E, h0km, mb3.2/2,
mb1 3.2/6, mb1mx3.1/35, mbtmp3.1/6, ML2.3/3, MS2.7/2,
Ms1 2.6/2, ms1mx2.4/17, Error ellip: s-maj=31.0km
s-min=17.1km az=147.0

ISK 09 02:20:01.0, 38°61'N; 43°19'E, h5km, ML3.5
D 09 02:20:01.5, 38°60'N; 43°19'E, h7km, ML3.8

CSEM 09 02:20:01.6, 0.1, 38°59'N; 43°22'E, h2km, ML3.5, Error
ellip: s-maj=4.3km s-min=3.0km az=151.0

ISC 09 02:20:02.2, 0.7, 38°57'N; 0°02'43"E, h8km, 5km,
n107, c1975/123, 21C-13D, Turkey

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

TRN 09 02:01:51.6, 15°55'N; 60°69'W, h113km, MD3.7, 1C-2D,
Leeward Islands

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

ISCJB 09 02:10:11.7, 0.2, 24°33'N; 0°04'12"E, h12km, 5km,
Error ellip: s-maj=6.9km s-min=3.1km az=178.3
JMA 09 02:10:11.2, 0.1, 24°21'N; 122°02'E, h5km, 3km, MD2.5
TAP 09 02:10:12.0, 0.4, 24°32'N; 122°16'E, h13km, ML3.0, 0

ISC 09 02:10:10.0, 1.3, 24°32'N; 0°05'12"E, h5km, 11km,
n22, c0971/38, 1, Taiwan region

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

508

Table with columns: GBS, Husbstan, 4.84 64, P, Pn, 02 21 13.8 -1.5

ISCJB 09 02:25:38.9, 0.5, 38°67'N; 0°04'43"E, h15km, 7km,
Error ellip: s-maj=7.0km s-min=5.4km az=36.6

CSEM 09 02:25:38.7, 0.2, 38°67'N; 43°08'E, h10km, MD2.6, Error
ellip: s-maj=5.4km s-min=4.8km az=10.0

ISK 09 02:25:38.2, 38°67'N; 43°09'E, h5km, MD2.6
DDA 09 02:25:39.1, 38°64'N; 43°10'E, h7km, MD2.6

ISC 09 02:25:38.9, 1.0, 38°66'N; 0°03'43"E, 0.03, h13km, 12km,
n20, c0966/30, Turkey

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

ISCJB 09 02:35:30.5, 0.4, 24°09'S; 0°05'66"W, 0°05, h181km,
mb4.2/13, Error ellip: s-maj=7.4km s-min=6.0km
az=147.0

NEIC 09 02:35:32.0, 0.0, 24°08'S; 66°91'W, h204km, mb4.3/9,
MD3.8(SJA), After SJA

IDC 09 02:35:32.9, 1.0, 23°98'S; 66°81'W, h187km, 9km, mb3.7/7,
mb1 3.8/11, mb1mx3.6/32, mbtmp2.4/11, Error ellip:
s-maj=18.4km s-min=12.5km az=23.0

SJA 09 02:35:32.0, 0.4, 24°08'S; 66°91'W, h204km, 8km, ML3.5,
MW3.8

ISC 09 02:35:31.0, 0.5, 24°03'S; 0°06'66"W, 0.06, h181km, n45,
c271/52, mb4.1/13, Saita Province

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSH, MKAR, LZH, CD2.

ISCJB 09 02:36:57.0 4.0, 24.06S:0.04:66.98W:0.04, h202km, 3km, mb4.3/17, Error ellipse: s-maj=7.1km s-min=4.8km az=139.2

NEIC 09 02:36:57.0 0.0, 24.10S:66.90W:h212km, mb4.8/11, MD4.2(SJA), After SJA.

SJA 09 02:36:57.0 0.0, 24.10S:66.90W:h212km, 13km, ML3.8, MW4.2

IDC 09 02:36:58.2 0.9, 23.99S:66.78W,h187km, 8km, mb3.8/9, mb1.3/9.15, mb1mx3.7/34, mbtmp4.3/15, Error ellipse: s-maj=14.7km s-min=11.6km az=43.0

ISC 09 02:36:58.3 0.7, 24.04S:0.05:66.94W:0.05, h193km, 6km, n50, o=1920/60, mb4.4/17, 1D, Saita Province

Main table of station data for the left column, including codes like SLA, HUA, AZAP, FSA, etc.

IDC 09 02:45:18.2 2.3, 19.85S:175.12W, h278km, 31km, mb3.4/4, mb1.3/6, mb1mx3.3/28, mbtmp4.1/6, Error ellipse: s-maj=38.0km s-min=21.4km az=111.0, Tonga Islands

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

IDC 09 02:58:48.2 0.7, 4.2S:130.46E, h50km, mb4.3/9, mb1.4/12, mb1mx1.4/2, mbtmp4.3/12, ML4.4/3, MS3.1/1, Ms1.3/0.1, ms1mx2.5/28, Error ellipse: s-maj=38.6km s-min=15.0km az=75.0

ISCJB 09 02:58:51.7 0.3, 4.59S:0.03:130.41E:0.04, h33km, mb4.6/15, MS3.0/1, Error ellipse: s-maj=6.2km s-min=3.6km az=162.7

NEIC 09 02:58:56.5 1.1, 4.61S:130.38E, h66km, 11km, mb4.5/14, Error ellipse: s-maj=12.9km s-min=7.1km az=77.0

DJA 09 02:58:58.0 0.4, 4.5S:4.13E:1.1, h51km, 8km, M4.7/7, mb5.0/1, MLV4.5/7

ISC 09 02:58:58.5 0.5, 4.67S:0.04:130.37E:0.05, h35km, n67, o=258/75, mb4.5/15, Banda Sea

Main table of station data for the middle column, including codes like BNDI, MSAL, AAI, etc.

NIED 09 03:05:00.37:00N:140.70E, h5km, MW3.4 Best double couple: M1:240000-104, N1:390.000000, 839.000000, -1-102.000000

IDC 09 03:05:08.1 9.9, 37.08N:140.74E, h0km, mb3.6/3, mb1.3/8.4, mb1mx3.4/44, mbtmp3.6/4, ML3.4/1, Error ellipse: s-maj=38.2km s-min=24.6km az=64.0

ISCJB 09 03:05:09.8 0.6, 37.03N:0.03:140.73E:0.06, h17km, 5km, mb3.6/3, Error ellipse: s-maj=7.7km s-min=4.6km az=16.8

JMA 09 03:05:10.3 37.04N:140.66E, h10km, 1km, M3.7, JMA Feil II J1

ISC 09 03:05:10.1 0.9, 37.04N:0.03:140.67E:0.04, h13km, 7km, n19, o=61/22, mb3.7/3, 5C, Eastern Honshu

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

ISC 09 03:17:28.3 38.42N:26.37E, h26km, MD2.3 DDA 09 03:17:29.3 38.45N:26.31E, h7km, M12.4

ISCJB 09 03:17:30.0 0.5, 38.47N:0.03:26.36E:0.04, h7km, 8km, Error ellipse: s-maj=6.3km s-min=4.2km az=147.6

CSEM 09 03:17:30.1 0.3, 38.47N:26.36E, h5km, MD2.3, Error ellipse: s-maj=5.8km s-min=5.0km az=79.0

ISC 09 03:17:30.4 1.1, 38.48N:0.02:26.36E:0.03, h3km, 11km, n25, o=107/40, Aegean Sea

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

ISC 09 03:17:28.3 38.42N:26.37E, h26km, MD2.3 DDA 09 03:17:29.3 38.45N:26.31E, h7km, M12.4

ISCJB 09 03:17:30.0 0.5, 38.47N:0.03:26.36E:0.04, h7km, 8km, Error ellipse: s-maj=6.3km s-min=4.2km az=147.6

CSEM 09 03:17:30.1 0.3, 38.47N:26.36E, h5km, MD2.3, Error ellipse: s-maj=5.8km s-min=5.0km az=79.0

ISC 09 03:17:30.4 1.1, 38.48N:0.02:26.36E:0.03, h3km, 11km, n25, o=107/40, Aegean Sea

Main table of station data for the right column, including codes like URLA, CHOS, ZEY, etc.

ISCJB 09 03:17:36.4 1.1, 37.33N:0.07:27.73E:0.05, h12km, Error ellipse: s-maj=10.7km s-min=5.5km az=163.3

CSEM 09 03:17:36.3 37.32N:27.72E, h17km, MD2.3

ISC 09 03:17:36.3 37.32N:27.72E, h17km, MD2.3

ISC 09 03:17:35.9 1.1, 37.32N:0.05:27.73E:0.04, h12km, n10, o=30/16, Turkey

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

ISCJB 09 03:35:01.8 0.6, 43.37N:0.02:126.80W:0.06, h10km, mb3.4/3, MS3.9/1, Error ellipse: s-maj=6.7km s-min=3.2km az=162.0

NEIC 09 03:35:02.9 0.8, 43.34N:126.91W, h10km, ML3.1, Error ellipse: s-maj=9.7km s-min=4.4km az=83.0

IDC 09 03:35:03.2 2.6, 43.54N:126.51W, h0km, mb3.4/3, mb1.3/3.3, ms1mx2.8/28, Error ellipse: s-maj=38.4km s-min=20.8km az=37.0

ISC 09 03:35:02.9 1.4, 43.34N:0.05:126.9W:0.1, h10km, n90, o=1928/93, mb3.5/3, 1C, Off coast of Oregon

Main table of station data for the right column, including codes like KEEM, KBO, HUMO, etc.

ISC 09 03:55:01.8 0.6, 43.37N:0.02:126.80W:0.06, h10km, mb3.4/3, MS3.9/1, Error ellipse: s-maj=6.7km s-min=3.2km az=162.0

NEIC 09 03:35:02.9 0.8, 43.34N:126.91W, h10km, ML3.1, Error ellipse: s-maj=9.7km s-min=4.4km az=83.0

IDC 09 03:35:03.2 2.6, 43.54N:126.51W, h0km, mb3.4/3, mb1.3/3.3, ms1mx2.8/28, Error ellipse: s-maj=38.4km s-min=20.8km az=37.0









Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MRZ Mangatainoka R, CPWZ Castlepoint, etc.

ISK 09 05:42:14.9, 38.75N-43.58E, h11km, ML2.3
CSEM 09 05:42:15.6, 0.2, 38.74N-43.53E, h15km, ML2.3, Error
ellip: s-maj=6.0km s-min=3.5km az=111.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VANB Van, ERVC ERIS-VAN, etc.

DDA 09 05:46:30.4, 38.97N-43.67E, h5km, Md2.7
ISCJB 09 05:46:31.8, 0.5, 39.00N-0.03:43.66E, 0.05, h8km, 4km,
Error ellip: s-maj=6.8km s-min=4.0km az=27.1

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

ISK 09 05:53:26.6, 38.66N-43.19E, h3km, MD2.6
ISCJB 09 05:53:27.9, 0.5, 38.67N-0.04:43.17E, 0.04, h12km, 5km,
Error ellip: s-maj=6.1km s-min=5.0km az=157.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VANB Van, ERVC ERIS-VAN, etc.

ISC 09 05:55:43.2, 2.2, 6.64S-129.89E, h0km, mb3.8/1,
mb1 3.5/4, mb1mx3/3/30, mbtmp3/3/4, ML3.2/3, Error
ellip: s-maj=89.4km s-min=28.1km az=77.0, Banda
Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

NIED 09 05:59:00.33, 50N, 132.40E, h2km, Mw3.4 Best double
couple: M=1.450000e-10, NP1=279.00000, 831.00000,
lambda=106.00000, NP2=117.00000, delta=0.00000,
lambda=81.00000
JMA 09 05:59:24.7, 33.49N-132.35E, h45km, M3.5, 5C-2D
Broadband fault plane solution: P waves, NP1:
phi=142.00000, delta=0.00000, lambda=63.00000, NP2:
phi=284.00000, delta=0.00000, lambda=117.00000, Principal
axes: T P1g0.0000, Azm213.0000, N P1g20.0000,
Azm303.0000, P P1g70.0000, Azm123.0000, Shikoku

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JNA Nagahama, UWA2 Uwa jima 2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H1N1 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, etc.

DDA 09 06:28:19.9, 38.84N-43.50E, h7km, M3.6
ISK 09 06:28:19.4, 38.85N-43.53E, h5km, ML3.6
CSEM 09 06:28:20.7, 0.2, 38.85N-43.46E, h2km, ML3.6, Error
ellip: s-maj=6.8km s-min=5.6km az=101.0

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



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NNA, LPAZ, HHC, WMQ, CD2, etc.

ISC 09 07:00:39.0,1.5,23.88N,121.28E,h0km,mb3.4/4, mb1 3.5/5,mb1mx3.4/4,mbtp3.5/5,ML3.2/1,MS2.9/2, Ms1 3.0/2,ms1mx2.5/2,Error ellipse: s-maj=68.5km s-min=25.5km az=63.0

JMA 09 07:00:40.3,0.1,24.44N,121.81E,h37km,3km,M3.3

TAP 09 07:00:40.5,24.49N,121.85E,h23km,ML3.8,B

ISC 09 07:00:40.4,0.9,24.47N,121.94E,0.02,h14km,2km,n65,0.988/15,mb3.4/4,11C-6D,Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TWC, ENA, EHP, ILA, TWE, ENT, TWD, NNS, TWB1, NSK, HWA, TWA, NWF, TAP1, WHF, TAP, TWT, TWS1, ES, NCU, TTY, NSTT, YJNG, HSN, YOJ, TWC1, NSY, EHY, SMLT, TYC, TCU, TCU, TWF1, WNT, WNT, ALS, ALS.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CHNS, CHNS, CHKT, CHKT, WKG, ELDTW, ELDTW, CHN2, CHN2, IRIF, IRIF, CHN4, CHN4, CHY, STYT, STYT, WTP, WTP, TWK, TWK, CHN1, CHN1, TWG, TWG, SGST, SGST, JKRS, JKRS, CHN8, CHN8, JJJ, JJJ, ECL, ECL, SSD, SSD, JISG, JISG, EAST, EAST, SCZT, SCZT, KRSR, KRSR, MKAR, MKAR, KURBB, KURBB, WRA, WRA, ILAR, ILAR, BRTR, BRTR.

ISC 09 07:10:15.8,1.4,2.98S,100.95E,h0km,mb4.0/8, mb1 4.1/8,mb1mx3.7/4,mbtp4.0/8,Error ellipse: s-maj=53.0km s-min=19.6km az=50.0

ISCJJB 09 07:10:21.5,0.8,2.99S,100.95E,0.07,h46km, mb4.0/8,Error ellipse: s-maj=14.6km s-min=6.0km az=37.3

DJA 09 07:10:24.2,0.7,3.54S,101.1E,1,h30km,6km,M4.1/8, MLV4.1/8

ISC 09 07:10:23.0,0.8,2.91S,100.95E,0.06,h46km,n20,0.1934/19,mb4.2/8,Southern Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PPSI, MAS, PPSI, PPSI, SISI, LHSI, MDSI, PBSI, OSRI, H0S2, H0S3, H0S1, WRA, ASAR, SONM, MKAR, USRK, ZALV, BVAR, BRTR, TXAR.

ISC 09 07:14:31.3,6.8,55.41N,85.40E,h0km,Error ellipse: s-maj=42.7km s-min=26.9km az=13.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H46RU, ZALV, ZALV, I34MM.

ISCJJB 09 07:15:01.0,0.9,2.92S,100.95E,0.07,h33km,mb3.6/4, Error ellipse: s-maj=16.2km s-min=9.0km az=17.4

DJA 09 07:15:00.3,1.3,5.9S,101.3E,1,h35km,38km,M3.2/5, MLV3.2/5

ISC 09 07:15:03.0,5.5,1.88S,105.49E,h0km,mb3.6/4, mb1 3.7/4,mb1mx3.4/4,mbtp3.6/4,Error ellipse: s-maj=32.5km s-min=25.8km az=54.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LHSI, LHSI, MDSI, MDSI, MNAI, MAS, WRA, ASAR, MKAR, ZALV.

MAN 09 07:35:33.0,0.5,37.00S,73.46W,h10km,2km,ML3.0,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PGP, PGP, LUBP, LUBP, SJJMP, SJJMP, BUSP, BUSP, OTRP, OTRP, ENPP, ENPP.

GUC 09 07:35:33.0,0.5,37.00S,73.46W,h10km,2km,ML3.0,

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

ISK 09 07:36:29.7,38.59N,43.12E,h10km,ML2.7

CSEM 09 07:36:30.7,0.2,38.60N,43.17E,h10km,MD2.6, Error ellipse: s-maj=4.9km s-min=4.4km az=175.0

DDA 09 07:36:30.7,38.62N,43.18E,h7km,MD2.6

ISCJJB 09 07:36:31.2,0.5,38.61N,43.20E,0.06,h14km,2km, Error ellipse: s-maj=8.2km s-min=4.9km az=18.8

ISC 09 07:36:31.2,0.9,38.61N,43.16E,0.03,h10km,8km,n24,0.83/42,Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VANB, VANB, VANB, VANB, TVAN, TVAN, GEVA, GEVA, ADCV, ADCV, TATV, TATV, TVAN, TVAN, CALD, CALD, CALD, CALD, AGRB, AGRB, EKAR, EKAR, SRTM, SRTM, EATA, EATA, CUKT, CUKT, SVAN, SVAN.

ISC 09 07:44:00.5,1.2,4.89S,133.38E,h0km,mb4.0/2, mb1 4.3/6,mb1mx3.9/34,mbtp4.1/6,ML3.9/4,MS3.4/10, Ms1 3.4/10,ms1mx3.2/27,Error ellipse: s-maj=51.3km s-min=23.7km az=76.0

DJA 09 07:44:01.3,1.8,5.5S,133.4E,1,1,h63km,29km,M4.5/3, MLV4.5/3

ISC 09 07:43:59.6,0.9,4.82S,133.66E,0.08,h21km,n17,0.370/13,MS3.2/7,Irian Jaya region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KMPJ, KMPJ, BNDI, BNDI, PMG, WRA, FITZ, FITZ, ASAR, ASAR, CTA, HNR, STKA, MJAR.















Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like MBWA Marble Bar, UGM Wanagama, KKM Kota Kinabalu, SBUM Sibiu, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASO1 Alice Springs, KSM Kuching, CISI Cisompot, GARU, FORT Forrest, MYKOM Kota Tinggi, RABL Rabaul, GUMO Guam, NWAOW Narrogin (SRO), STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, WHN Wuhan, NJ2 Nanjing, KMI Kunming, CD2 Chengdu, XAN Xi'an, KRSR Korea Array, MJAR Matsushiro Arr, MAJO Matsushiro, MAT Matsushiro, MJBS Matsushiro, BJI Beijing, BZH Lanzhou, LZH Lanzhou, LZH Lanzhou, PALK Palkekele, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, ODAN Odare, TAPN Tappurung, USRN Ussuriysk Arr, MDJ Mudanjiang, RAMN Ramite, JIRN Jiri, GTA Gaotai, GUN Gumba, PKI Pulchoki, DMN Daman, KOLN Koldanda, PYUN Pyuthan, ULN Ulaanbaatar, SONM Songoing Arr, SONA Songoing Arr, WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, PETK Petropavlovsk, KSH Kashi, KSH Kashi, KSH Kashi, KSH Kashi, MK01 Makanchi Array, MK01 Makanchi Array, MKAR Makanchi Array, ZALV Zalesovo Beam, KURK Kurchatov, WANDA Wanda, MAW Mawson, BRVK Borovoye, TIXI Tiksi, SYO Syowa Base, CPUP Villa Florida

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like AF1 Afiamalu, AF1 Afiamalu, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, TORD Torodi Arr, IDC 09 11:34:28.7-10.0, 17.57S-177.63W, h232km, 144km, mb3.1/2, mb1 3.4/3, mb1mx3.1/1, mbtmp3.8/3, Error ellipse: s-maj=184.5km s-min=32.0km az=3.0, Fiji Islands region

ISCJB 09 11:38:40.9-0.4, 26.03S:0'09:68.8E:0'1, h10km, mb4.4/22, MS3.6/20, Error ellipse: s-maj=14.6km, s-min=12.8km az=140.9, IDC 09 11:38:41.1±0.5, 26.00S:68.70E, h0km, mb4.4/18, mb1 4.5/18, mb1mx4.2/35, mbtmp4.4/18, MS3.6/20, Ms1 3.6/20, ms1mx3.4/34, Error ellipse: s-maj=18.9km s-min=17.0km az=34.0, NEIC 09 11:38:42.6±0.2, 26.01S:68.73E, h10km, mb4.5/3, Error ellipse: s-maj=9.3km s-min=8.7km az=69.0, ISC 09 11:38:42.7±0.5, 26.05S:0'01:68.7E:0.1, h10km, n48, c#68/93, mb4.4/22, MS3.7/20, 4C-5D, Indian Ocean Triple Junction

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, BOSA Boshof, BOSA Boshof, KMBO Kilima Mbogo, MAW Mawson, CYO Syowa Base, SMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, ASAR Alice Springs, ASAR Alice Springs, SNAW Sanae, WRA Warramunga Arr, WRA Warramunga Arr, WRAP Wannan Creek, STKA Stephens Creek, QSPY South Pole Qui, GYPT Alibek, VNSA Vanda, VNSA Vanda, MMAI Mount Meron Ar, BRTR Keskin Array B, BRTR Keskin Array B, KBZ Khabaz, MKAR Makanchi Array, ABKAR Abkual array, TORD Torodi Arr, DBIC Dimbokro, BVAR Borovoye Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, SONM Songoing Arr, SONM Songoing Arr, VRI Vriocioia, PLOF Ploest Dischmat, MLR Muntele Rosu, ULN Ulaanbaatar, VOIR Arges, ARF Lotru, BURAR Bucovina Array, KEST Kesra, AKASG Malin Array Be, AKASG Malin Array Be, KSAR Wonju Array Be, KSRS Kosa Array B, KSRS Kosa Array B, GERE S Gerese, GERE S Gerese, DAVX Dvors Dischmat, DAVX Dvors Dischmat, FINES FINESS Array B, ESDC Sonseca Array, ILAR Ilarion Array, ILAR Ilarion Array, EYMM Ely, PDAR Pinedale Array, PDAR Pinedale Array

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like JMA 09 11:46:56.9-0.2, 24.70N:122.19E, h79km, 3km, M2.3, ISCJB 09 11:46:57.9-0.7, 24.73N:122.23E:0.03, h69km, 6km, Error ellipse: s-maj=34.0km s-min=17.5km az=152.0, TAP 09 11:46:58.0, 24.74N:122.21E, h67km, 1km, M2.3, Q, D, ISC 09 11:46:58.8±1.5, 24.70N:122.23E:0.03, h63km, 11km, n32, c#74/51, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like TWA TWA, JYNG Yonagunijimaku, YOJ Yonagunji jima, YQJ Yonagunji jima, NSK SONGANG, NSK SONGANG, NNS Nan Shan, NNS Nan Shan, TWS1 Kuangyinshan, TWS1 Kuangyinshan, TWD Chiawan, TWD Chiawan, TWD Hehuan Shan, WHF Hehuan Shan, TWT Tachien, TWT Tachien, NSTT Nanjiang, NSTT Nanjiang, TWQ1 Liyutan, TWQ1 Liyutan, IRIF Iriomote-Funua, IRIF Iriomote-Funua, EHY Hungye, EHY Hungye, SMLT Sun Moon Lake, SMLT Sun Moon Lake, TYC Tachien, TYC Tachien, TWF1 Yuli, TWF1 Yuli, JKRS Kuro-shima, JKRS Kuro-shima, ALS Alishan, ALS Alishan, JUJ Ishigaki jima, JUJ Ishigaki jima, CHKT Chengkung, CHKT Chengkung, CHNS Tsauling, CHNS Tsauling, ELDT Lidau, ELDT Lidau, JISG Ishigakijimahi, JISG Ishigakijimahi, STYT Tauyuan, STYT Tauyuan, WTP Ta-pu, WTP Ta-pu, CHN1 Nanshi, CHN1 Nanshi

ISCJB 09 11:48:26.6±1.5, 38.65N:0'06:43.12E:0.09, h24km, 21km, Error ellipse: s-maj=13.3km s-min=9.2km az=29.8, CSEM 09 11:48:26.6±0.3, 38.70N:43.09E, h10km, ML2.2, Error ellipse: s-maj=7.0km s-min=5.0km az=80.0, DDA 09 11:48:26.9, 38.68N:43.12E, h7km, M1.9, ISK 09 11:48:26.2, 38.71N:43.16E, h6km, ML2.2, ISC 09 11:48:27.0±1.0, 38.71N:0'04:43.16E±0.04, h16km, 8km, n16, c#63/28, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like VANS Van, VANS Van, VANS Van, VANS Van, TVAN Van, TVAN Van, TVAN Van, GEVA Gevas, GEVA Gevas, VMUR Van-Muradiye, VMUR Van-Muradiye, VMUR Van-Muradiye, CLDR Caldian, CLDR Caldian, CLDR Caldian, CLDR Caldian, CLDR Caldian, TUTA Tutak, TUTA Tutak, AGRB Hanur-Agry, AGRB Hanur-Agry, AGRB Hanur-Agry, AGRB Hanur-Agry

ISCJB 09 12:03:04.0±0.5, 21.8S:0'1:176.23W:0.07, h100km, mb4.4/13, Error ellipse: s-maj=18.5km s-min=8.4km az=166.8, IDC 09 12:03:06.5±2.4, 21.73S:176.42W, h101km, 19km, mb3.9/6, mb1 4.1/8, mb1mx3.8/34, mbtmp4.3/8, Error ellipse: s-maj=34.0km s-min=17.5km az=152.0, NEIC 09 12:03:06.8±1.5, 21.67S:176.39W, h106km, 14km, mb4.3/3, Error ellipse: s-maj=16.6km s-min=9.7km az=160.0, ISC 09 12:03:05.8±0.6, 21.71S:176.25W:0.09, h100km, n23, c#162/27, mb4.3/13, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like AFI Afiamalu, AFI Afiamalu, RAR Rarotonga, RAR Rarotonga, ARMA Armadale, ARMA Armadale, EIDS Eidsvold, EIDS Eidsvold, CTAO Chartwell Tower, CTAO Chartwell Tower, STKA Stephens Creek, STKA Stephens Creek, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, MBWA Marble Bar, MBWA Marble Bar, GSPA South Pole Qui, GSPA South Pole Qui, MJAR Matsushiro Arr, MJAR Matsushiro Arr, TXAR Lajitsu Array, TXAR Lajitsu Array, ILAR Eielson Array, ILAR Eielson Array

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, ZALV Zalesovo Beam, MKAR R Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like R35A Emporia Municipi, R36A Gordon, Hinds, W40A Ferguson Farm, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GOPC GO Peeny, Ondr, PRU Prunichone, MORC Moravsky Berou, etc.

ISCJB 09 12:08:35.7, 0.5, 35.55N, 0.01, 96.78W, 0.02, h4km, 3km, Error ellipse: s-maj=3.0km s-min=2.3km az=172.2

NEIC 09 12:08:36.0, 0.0, 35.53N, 96.76W, h5km, ML3.4(TUL), After TUL

NEIC Felt [III] at Prague, Shawnee and Tulsa; [II] at Bixby, Broken Arrow, Norman, Oklahoma City, Stillwater and Yale. Felt widely in central Oklahoma and in parts of Arkansas, Kansas and Missouri.

IDC 09 12:08:37.5, 2.4, 35.72N, 96.89W, h0km, mb1 3.5/4, mb1mx3.3/48, mbtmp3.2/4, ML2.7/3, Error ellipse: s-maj=34.6km s-min=14.8km az=111.0

ISC 09 12:08:36.6, 1.0, 35.53N, 0.02, 96.76W, 0.02, h8km, 9km, n97, az=70/120, Oklahoma

Main table listing stations from V35A Meyer Ranch, C to R34A Isabella, Hill. Columns include Code, Station Name, Az, Phase ID, Time, Res, ISC.

ISCJB 09 12:27:21.3, 0.8, 43.24N, 146.93E, h34km, mb4, 0/2 JMA 09 12:27:21.0, 0.3, 43.22N, 146.92E, h41km, M2.6

ISC 09 12:27:18.1, 3.5, 43.33N, 0.1, 146.96E, 0.09, h8km, 26km, n9, az=87/16, 1C, Kuril Islands

Table listing stations from KSU1 Kansas State U to G36A Gopce. Columns include Code, Station Name, Az, Phase ID, Time, Res, ISC.

ISCJB 09 12:16:26.0, 1.0, 17.55S, 0.3, 178.9W, 0.2, h539km, mb3.9/10, Error ellipse: s-maj=47.5km s-min=12.7km az=152.3

IDC 09 12:16:26.8, 2.2, 17.54S, 178.83W, h536km, 29km, mb3.5/10, mb1 3.7/11, mb1mx3.4/31, mbtmp4.4/11, Error ellipse: s-maj=50.6km s-min=12.6km az=148.0

ISC 09 12:16:26.8, 1.1, 17.65S, 0.3, 178.8W, 0.2, h539km, n11, az=62/11, mb3.9/10, Fiji Islands region

Table listing stations from AFI Afimalu to PDAR Pinedale Array. Columns include Code, Station Name, Az, Phase ID, Time, Res, ISC.

CSEM 09 12:27:15.0, 2.7, 51.50N, 16.19E, h1km, ML3.0/6, Error ellipse: s-maj=10.2km s-min=6.1km az=16.0

PRU 09 12:27:16.8, 5.1, 47N, 16.13E, h0km WAR 09 12:27:16.1, 5.1, 51N, 16.12E, h1km, Mw2.4

ISC 09 12:27:15.2, 2.2, 51.52N, 0.1, 16.16E, 0.06, h0km, n20, az=67/35, Poland

Table listing stations from KSP Ksiaz to GOPC GO Peeny, Ondr. Columns include Code, Station Name, Az, Phase ID, Time, Res, ISC.

SKHL 09 12:27:21.3, 0.8, 43.24N, 146.93E, h34km, mb4, 0/2 JMA 09 12:27:21.0, 0.3, 43.22N, 146.92E, h41km, M2.6

ISC 09 12:27:18.1, 3.5, 43.33N, 0.1, 146.96E, 0.09, h8km, 26km, n9, az=87/16, 1C, Kuril Islands

Table listing stations from SHO Shikotan to KUR Kuril'sk. Columns include Code, Station Name, Az, Phase ID, Time, Res, ISC.

GUC 09 12:46:16.5, 0.5, 24.02S, 67.61W, h226km, 9km, ML4.0, 4C, Chile-Argentina border region

Table listing stations from LVC Limon Verde to PB08 IPOCO Station P. Columns include Code, Station Name, Az, Phase ID, Time, Res, ISC.

IDC 09 12:49:47.1, 5.1, 3.17S, 104.57E, h0km, mb3.5/4, mb1 3.7/4, mb1mx3.4/36, mbtmp3.5/4, Error ellipse: s-maj=275.5km s-min=22.8km az=53.0

ISCJB 09 12:49:52.1, 0.9, 4.71S, 0.0, 102.89E, 0.07, h64km, mb3.6/4, Error ellipse: s-maj=15.0km s-min=6.0km az=34.6

DJA 09 12:49:53.0, 1.6, 5.5S, 6.10E, h29km, 18km, M3.9/7, ML3.9/7

ISC 09 12:49:51.6, 1.1, 4.62S, 0.08, 102.96E, 0.07, h64km, n14, az=38/17, mb3.6/4, Southern Sumatara

Table listing stations from MNAI Manna to ZALV Zalesovo Beam. Columns include Code, Station Name, Az, Phase ID, Time, Res, ISC.

IDC 09 12:54:36.2, 1.7, 31.72S, 178.39W, h71km, 18km, mb3.7/2, mb1 3.9/4, mb1mx3.5/25, mbtmp4.0/4, Error ellipse: s-maj=40.0km s-min=12.4km az=113.0, Kermadec Islands region

Table listing stations from RAO Raoul Island to TORD Torodi Arr, Bea. Columns include Code, Station Name, Az, Phase ID, Time, Res, ISC.

MAN 09 13:00:11, 11.43N, 124.59E, h15km, mb4.2, ML3.0, MS2.7, 1D, Leyte

Table listing stations OCLP Ormoc. Columns include Code, Station Name, Az, Phase ID, Time, Res, ISC.

9d 13h

Table with columns: PLP, PALO, BORONGAN, etc. Values include 0.46 125, 0.85 78, 0.85 78, 1.08 4, 1.26 209, 1.31 168.

IDC 09 13:11:06.5:1.4, 58.26N:154.60W, h0km, mb3.8/2, mb1 3.8/5, mb1mx3.4/48, mbtmp3.7/5, ML3.4/3, MS3.0/2, Ms1 3.1/2, ms1mx2.5/44, Error ellipse: s-maj=4.9km s-min=3.1km s-min=11.4km az=40.0

ISCJB 09 13:11:07.4:0.3, 58.56N:154.35W, h0.05, h5km, 3km, mb3.8/2, MS2.8/1, Error ellipse: s-maj=4.9km s-min=3.1km az=136.2

NEIC 09 13:11:07.8:0.0, 58.55N:154.31W, h3km, ML3.4(AEIC), After AEIC

ISC 09 13:11:07.4:1.2, 58.55N:154.33W, h0.03, h2km, 9km, n68, c0967/77, Alaska Peninsula

Main station list table for 9d 13h. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KAPH, KAHC, KAWH, etc.

NIED 09 13:13:00, 37.60N:141.70E, h59km, Mw3.6, Best double couple: Mo:1.95000e+014 NP1:308.00000e+02, 842.00000e+02, 7.26.00000e+02, NP2:3198.00000e+02, 873.00000e+02, 1.29.00000e+02

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

2011 NOV

Table with columns: MAT, ASAJ, H1N2, H1N1, H1N3, H1S1, H1S3, H1S2, ZALV, MKAR, WRA, ASAR. Values include 3.07 251, 6.55 5, 0.2mn, 0.3s, baz=174, slow=31, SNR=1.8

ISCJB 09 13:13:26.2:1.0, 12.53S:0.07, 166.76E:0.2, h220km, mb3.7, Error ellipse: s-maj=29.3km s-min=10.2km az=177.0

IDC 09 13:13:30.5:6.9, 12.83S:166.95E, h261km, 80km, mb3.5/7, mb1 3.6/8, mb1mx3.4/36, mbtmp4.0/8, MS2.8/2, Ms1 2.8/2, ms1mx2.4/18, Error ellipse: s-maj=62.0km s-min=25.2km az=154.0

ISC 09 13:13:27.1:1.0, 12.61S:0.09, 166.9E:0.2, h220km, n10, c114/11, mb3.5/7, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM, STKA, WRA, CMAR, SEY, SONM, ILAR, MKAR, ESDC.

ISC 09 13:13:29.4, 38.79N:43.53E, h25km, ML2.4, CSEM 09 13:13:30.9:0.3, 38.84N:43.47E, h10km, ML2.9, Error ellipse: s-maj=6.5km s-min=4.9km az=116.0

ISCJB 09 13:13:31.0:0.7, 38.85N:43.51E, h15km, 7km, Error ellipse: s-maj=9.8km s-min=4.5km az=10.5

DDA 09 13:13:31.4, 38.84N:43.43E, h7km, ML2.9

ISC 09 13:13:31.9:1.0, 38.84N:43.47E, h14km, 8km, n20, c1925/37, Turkey

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

NIED 09 13:33:00, 38.40N:142.20E, h32km, Mw3.6, Best double couple: Mo:2.83000e+014 NP1:182.00000e+02, 855.00000e+02, 1.14.00000e+02, NP2:3280.00000e+02, 878.00000e+02

ISCJB 09 13:33:53.0:1.3, 38.44N:142.19E:0.07, h7km, 6km, mb4.2/6, Error ellipse: s-maj=9.2km s-min=6.0km az=12.9

JMA 09 13:33:53.9:0.1, 38.45N:142.21E, h29km, 1km, M4.0, JMA Felt J1

IDC 09 13:33:53.1:1.9, 37.86N:142.78E, h0km, mb3.9/4, mb1 4.1/5, mb1mx3.6/38, mbtmp4.0/5, ML3.0/1, Error ellipse: s-maj=45.3km s-min=25.7km az=62.0

NEIC 09 13:33:59.2:0.9, 37.76N:142.56E, h35km, mb4.5/1, Error ellipse: s-maj=17.7km s-min=14.6km az=83.0

NEIC Recorded J1 in Iwate and Miyagi

ISC 13:33:53.1:1.7, 38.40N:142.16E:0.08, h11km, 24km, n26, c2838/27, mb4.2/6, Near east coast of eastern Honshu

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

Table with columns: MAT, ASAJ, H1N2, H1N1, H1N3, H1S1, H1S3, H1S2, MKAR, KURK, KURBB, BRVK, ABKAR, WRA, ASAR. Values include 3.65 241, 5.72 3, 0.4nm, 0.3s, baz=182, slow=16, SNR=8.2

ISC 09 13:36:44.7, 38.93N:43.56E, h2km, ML3.2, CSEM 09 13:36:45.4:0.2, 38.94N:43.57E, h2km, ML3.2, Error ellipse: s-maj=4.4km s-min=3.3km az=96.0

DDA 09 13:36:45.4, 38.96N:43.52E, h7km, ML2.9

ISCJB 09 13:36:46.1:0.5, 38.97N:0.02:43.55E:0.04, h9km, 4km, Error ellipse: s-maj=4.7km s-min=3.5km az=3.7

ISC 09 13:36:45.7:1.0, 38.94N:0.02:43.57E:0.02, h10km, 8km, n35, c080/57, Turkey

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

MAN 09 13:42:33, 13.72N:120.83E, h5km, mb4.3, ML3.1, MS2.9, 1C-1D, Mindoro

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PGP, TGY, LUBP, BOAC, SJMP, GQP, BUSEP, AUQP, BALP.

ISC 09 13:42:33.1, 38.74N:43.40E, h10km, ML2.6, CSEM 09 13:42:34.4:0.2, 38.69N:43.18E, h10km, ML2.6, Error ellipse: s-maj=8.9km s-min=6.8km az=71.0

DDA 09 13:42:34.9, 38.63N:43.07E, h7km, ML2.8

ISC 09 13:42:34.1:0.9, 38.70N:0.02:43.21E:0.03, h12km, 7km, n29, c1921/49, Turkey

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

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like AGRB Hanur-Agry, EKAR Karacaban, etc.

BUI 09 13:49:19.8, 19.88S:174.46W, h10km, mb5.1/15, mB5.7/13, Ms5.1/5, Ms7.4/8.6

ICD 09 13:49:20.2, 0.7, 19.38S:173.89W, h0km, mb4.3/11, mb1.4/6.12, mb1mx4.4/25, mbtmp4.4/12, ML4.4/1, MS3.9/24, Ms1.3/9.24, ms1nmx3.9/27, Error ellipse: s-maj=27.8km s-min=17.2km az=124.0

NEIC 09 13:49:21.4, 0.3, 19.22S:174.00W, h10km, mb4.7/12, Error ellipse: s-maj=13.7km s-min=7.2km az=136.0

ISCJB 09 13:49:23.1, 0.4, 19.29S:0.08E, h10km, h32km, mb4.8/35, MS4.0/21, Error ellipse: s-maj=13.4km s-min=8.2km az=137.2

ISC 09 13:49:24.6, 0.5, 19.29S:0.10E, h32km, n108, s159/91, mb4.8/35, MS4.0/21, 2C-9D, Tonga Islands

Main table for 525 stations, including AFi Afiamalu, AFi Afiamalu, AFi Afiamalu, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like MNTX Cornudas Mount, TX31 Lajitas Ar. Si, etc.

DDA 09 14:00:38.7, 38.72N:43.19E, h7km, Md2.5

CSEM 09 14:00:39.0, 38.61N:43.18E, h10km, Md2.5, Error ellipse: s-maj=8.0km s-min=6.5km az=23.0

ISK 09 14:00:39.1, 38.60N:43.17E, h16km, ML1.9

ISC 09 14:00:39.9, 0.9, 38.54N:0.03E, h15km, 8km, n15, s104/26, Turkey

Main table for 2011 NOV stations, including VANB Van, VANB Van, VANB Van, etc.

JMA 09 14:17:24.3, 0.6, 44.67N:149.35E, h30km, M4.0

SKHL 09 14:17:26.8, 1.0, 44.43N:149.09E, h25km, 5km, mb4.0/3

ISC 09 14:17:23.0, 3.9, 44.36N:109.149E, h50.0/2, h42km, n21, s25/15/31, 3D, Kuril Islands

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

ISCJB 09 14:36:07.9, 0.3, 54.01N:159.80E, 0.07, h134km, 2km, mb3.8/21, Error ellipse: s-maj=7.5km s-min=2.9km az=31.9

KRSC 09 14:36:07.2, 1.0, 53.97N:159.98E, h128km, 10km, ML4.2, FELT [III-V] at GMS Kronaki.

MOS 09 14:36:08.2, 0.8, 54.05N:159.70E, h132km, mb4.0/14, Error ellipse: s-maj=11.2km s-min=4.5km az=77.2

ICD 09 14:36:10.1, 0.6, 54.24N:159.34E, h128km, 5km, mb3.5/17, mb1.3/7.17, mb1mx3.6/34, mbtmp3.9/17, Error ellipse: s-maj=17.2km s-min=8.3km az=132.0

ISC 09 14:36:08.7, 0.5, 54.00N:159.86E, 0.04, h129km, 3km, h128km, pp-P, n124, s180/174, mb3.9/21, 3C-7D, Near east coast of Kamchatka Peninsula

Main table for 9d 14h stations, including KIL Karymskiy, KIL Karymskiy, KIL Karymskiy, etc.



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

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

ISK 09 15:06:56.6, 38°67N, 43°17E, h2km, ML2.4
CSEM 09 15:06:58.2, 0.2, 38.68N, 43.17E, h2km, ML2.4, Error
ellipse: s-maj=5.3km s-min=3.8km az=152.0

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

CSEM 09 15:09:47.8, 0.2, 38°69N, 43°52E, h20km, ML3.3, Error
ISK 09 15:09:47.7, 38.70N, 43°45E, h21km, ML3.3
ISCJB 09 15:09:48.2, 0.7, 38.68N, 0.0, 43°51E, 0.06, h25km, 4km, Error ellipse: s-maj=8.2km s-min=4.2km az=32.2

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

ISK 09 15:13:41.5, 39°64N, 38°69E, h9km, ML3.3
ISCJB 09 15:13:42.0, 39.66N, 0.0, 38.72E, 0.03, h9km, 5km, Error ellipse: s-maj=4.7km s-min=3.9km az=25.1

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

OBM 09 15:23:26.6, 0.1, 52°10N, 105°73E, h2km, ML2.5, Error
ellipse: s-maj=1.9km s-min=1.0km az=10.0

MOS 09 15:23:27.6, 1.1, 52°00N, 105°78E, h10km, mb4.1/6, Error
ellipse: s-maj=6.2km s-min=6.7km az=54.6

MOS Felt (III-IV) at Irkutsk.
IDC 09 15:23:27.0, 0.8, 52°03N, 105°76E, h0km, mb3.8/9, mb1.3/9.13, mb1mx3.7/57, mbtmp3.8/13, ML3.0/4, MS3.2/8, Ms1.3/2.8, ms1mx2.9/45, Error ellipse: s-maj=18.8km s-min=13.9km az=69.0

NEIC 09 15:23:28.6, 0.4, 52°07N, 105°81E, h10km, mb4.1/2, Error
ellipse: s-maj=9.9km s-min=7.1km az=51.0

NEIC Felt at Irkutsk.
BYKL 09 15:23:30.1, 0.2, 52°03N, 105°63E, FELT I=IV-V MSK at Bolshoye Golousshynye, III-IV at Mliovity, Irkutsk, Mamony, Smolenshchina, III at Listvyanka, Shigaivo, Ydrino, Markovo, Shelekhov, Angarsk, III at Rechka Ydrino, Mamai, Tolbazhina.

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

ISK 09 15:13:42.3, 1.0, 39°66N, 0°02, 38°71E, 0.02, h8km, 10km, n37, 0°48/52, Turkey

CSEM 09 15:02:14.1, 34°07N, 35°64E, h1km, ML2.6
GRAL 09 15:02:14.1, 0.3, 34.07N, 35.64E, h1km, 13km, MD2.6, Jordan Syria region

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

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

Table with columns for station name, frequency, power, and other technical details. Includes stations like TRTB Turuntaevo, TLY Talaya, KLR Kotokel, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like YLYR Ulyunkhan, ULN Ulaanbaatar, NIZ Nizh Angarsk, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KLR Kurchatov, KURB Kurchatov, KURB Kurchatov Arra, etc.

IDC 09 15:26:36.9-1.9, 15:785x175.63W, h318km, mb3.5/2, mbl 3.7/3, mb1mx3.0/38, mbtm4.2/3, Error ellipse: s-maj=160.9km s-min=33.6km az=150.0, Tonga Islands

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

Table with columns for Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Includes stations like AFI Afiamalu, WRA Warramunga Arr, ASAR Alice Springs, etc.

BYKL 09 15:28:31.2±0.2, 52.04N±105.65E, MOS 09 15:28:30.1±0.5, 52.03N±105.69E, h13km, mb4.2/1.5C-3D, Error ellipse: s-maj=41.9km s-min=26.9km az=151.1, Lat-Lon Baykal region



Table with columns: Station Name, Az, El, P, Res. Includes stations like Malin Array Be, Kiev, Pinedale Array, Keskin Array B, etc.

ISCJB 09 16:06:18.6,0.5,3.57S,0.06:128.41E:0.05,h113km,4km, mb3.7/3, Error ellipse: s-maj=11.2km s-min=5.9km az=34.7

DJA 09 16:06:21.1,0.4,4.5S,4.12E, h83km,5km, MA,2/9, mB5.1/2, mb4.6/3, MLV4.0/9, Mw(MB)4.4/2

IDC 09 16:06:24.6,5.2,3.65S,128.63E, h163km,50km, mb3.5/4, mb1.3.8/5, mb1mx3.2/44, mbtmp.4/15, MS2.6/1, Ms1.2.8/1, ms1mx2.4/15, Error ellipse: s-maj=68.8km s-min=13.9km az=72.0

ISC 09 16:06:19.2,0.8,3.59S,0.07:128.42E:0.06,h112km,7km, n16, r1533/22, mb3.8/3, Seram

Table with columns: Code, Station Name, Az, El, P, Res. Includes stations like Ambon, Masohi, Namlea, Bandanaira, Sanana, Labuha, Fak Fak, Kaimana, Ampapa, Warramunga Arr, etc.

MAN 09 16:11:02,14.74N-121.77E, h20km, mb4.3, ML3.1, MS2.9, 2C, Luzon

Table with columns: Code, Station Name, Az, El, P, Res. Includes stations like Lukban, Baler, Guinayangan, Boac, San Andres, Cauayan, San Jose, Bolinao, Dolores, Conner, etc.

ISK 09 16:16:12.4,38.89N,43.58E, h5km, ML2.8

ISCJB 09 16:16:13.7,0.6,38.90N,0.02:43.61E:0.05,h11km,6km, Error ellipse: s-maj=6.5km s-min=3.7km az=18.5

CSEM 09 16:16:13.3,0.3,38.89N,43.58E, h5km, ML2.5, Error ellipse: s-maj=6.9km s-min=4.1km az=121.0

DDA 09 16:16:13.2,38.89N,43.59E, h7km, Md2.5

ISC 09 16:16:13.5,1.0,38.89N,0.02:43.61E:0.03,h7km,9km, n28, r093/48, Turkey

Table with columns: Code, Station Name, Az, El, P, Res. Includes stations like Van-Muradiye, ERCIS-VAN, VANB, Caldiran, Bitlis-Adilcev, Gevas, Hanur-Agry, Tatvan, Siirt-Merkez, Cukurca, S-rnak, Bingol, Silvan-Diyarba, Batman, Bing'li, etc.

DDA 09 16:19:04.2,35.75N,27.32E, h23km, ML3.7

IDC 09 16:19:04.1,0.9,35.71N,27.66E, h0km, mb3.9/8, mb1.3.8/13, mb1mx3.6/46, mbtmp3.8/13, ML3.6/5, Error ellipse: s-maj=24.6km s-min=14.7km az=160.0

ATH 09 16:19:05.7,35.77N,27.56E, h27km, ML3.6/12, Error ellipse: s-maj=1.3km s-min=0.6km az=122.0

NEIC 09 16:19:05.6,4.7,35.69N,27.65E, h11km,34km, mb4.5/1, Error ellipse: s-maj=14.4km s-min=8.9km az=182.0

CSEM 09 16:19:06.7,0.2,35.74N,27.57E, h15km, ML3.6, Error ellipse: s-maj=4.9km s-min=2.9km az=162.0

THE 09 16:19:06.3,35.76N,27.57E, h5km, ML3.7/12, Error ellipse: s-maj=1.8km s-min=0.4km az=140.0

ISK 09 16:19:06.4,35.78N,27.55E, h12km, ML3.5

ISCJB 09 16:19:07.0,0.5,35.74N,0.03:27.56E:0.02,h26km,4km, mb3.8/10, Error ellipse: s-maj=4.8km s-min=2.7km az=158.0

ISC 09 16:19:06.8,0.6,35.74N,0.02:27.55E:0.02,h21km,2km, n195, r1948/248, mb3.8/10, Dodecaese Islands

Table with columns: Code, Station Name, Az, El, P, Res. Includes stations like Karpathos, Arkhangelos, Nisyros Isl, Nisyros, Nisiroi, Datca-Mugla, Zakros, etc.

ZKR comp=N,3503km,0.4s AML AML 16 19 29.7 -0.1

Table with columns: Code, Station Name, Az, El, P, Res. Includes stations like ZKR, BDRM, BODT, DALY, FETHIYE, NEAPOLIS, etc.

NPS comp=N,3573km,0.3s AML AML 16 19 35.3 +0.7

Table with columns: Code, Station Name, Az, El, P, Res. Includes stations like Neapolis, Kastellorizon, AKAS, LAST, Santorini, etc.

Table with columns: Code, Station Name, Az, El, P, Res. Includes stations like Thira Island, Thira Island, Thasoluk, Tasouluk, DENIZLI\_Tavas, DENIZLI\_Tavas, Samos, etc.

comp=N,619km,0.4s AML AML 16 20 07.4

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

comp=N,851km,0.5s AML AML 16 20 22.9

Table with columns: Code, Station Name, Az, El, P, Res. Includes stations like Anoyia, Anoyia, Cakroluk, Cakroluk, Sivas, etc.

comp=N,360km,0.4s AML AML 16 20 48.5

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

comp=N,335km,0.4s AML AML 16 20 05.9 +1.0

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

comp=E,0.2mm,0.3s,baz=234,slow=22,SNR=2.4

Table with columns: Code, Station Name, Az, El, P, Res. Includes stations like Mount Meron Arr, Sonseca Arr, Elat, Elat, etc.

9d 17h

Table with columns: KURK, comp, E, 1.6m, 0.7s, baz=275, slow=8.8, SNR=17, 39.30 51 eP, P, 16 26 34.2 +0.3

AZER 09 16:20:39.0, 2.5, 38.43N, 43.17E, h15km, Error ellipse: s-maj=34.7km s-min=17.4km az=137.0

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

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

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

ISK 09 16:24:26.3, 38.79N, 43.51E, h5km, ML2.8

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

2011 NOV

Table with columns: AGRB Hanur-Agry, 0.87 332 ePg, Pg, 16 24 43.5 -1.7

ISC 09 16:29:02.0, 3.2, 13.84N, 120.33E, h98km, 35km, mb3.2/6

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

ISCJCB 09 16:52:39.8, 0.6, 50.26N, 0.05, 18.71E, 0.04, h0km, Error ellipse: s-maj=7.2km s-min=3.3km az=8.6

WAR 09 16:52:41.1, 50.27N, 18.82E, h1km, Mw2.5

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

n32, c085/51, Turkey 530

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

BUIJ 09 16:56:57.0, 35.77N, 79.73E, h10km, ML3.7/6

ISC 09 16:56:56.7, 3.7, 35.9N, 0.2, 79.0E, 0.1, h10km, n9

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

MAN 09 17:01:34, 137.2N, 120.14E, h36km, mb3.6, ML2.4, MS1.9, Mindoro

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

ISCJCB 09 17:01:43.3, 0.5, 51.4S, 0.05, 129.33E, 0.07, h300km

ISC 09 17:01:50.0, 0.4, 9.58S, 128.98E, h299km, 54km, mb1.4, 2/2

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

ISC 09 17:03:09.3, 14.0, 5.49N, 94.72E, h136km, 122km, mb3.2/5

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

Table with columns: H08S2, Diego Garcia H, 25.73 240, T, T, 17 35 26.5, etc.

WEL 09 17:09:22.6-0.3, 37.20Sx177.26E, h200km, m2km, ML3.5/6, 2C-1D, Error ellipse: s-maj=3.2km s-min=2.8km az=90.0, Off east coast of North Island

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, HAZ, Te Kaha, 0.69 143, PN, Pn, 17 09 50.5, etc.

IDC 09 17:09:07.7-2.1, 5.22S, 128.48E, h0km, mb3.4/1, mb1 3.6/3, mb1mx3.3/31, mbmtmp3.4/3, ML3.3/2, Error ellipse: s-maj=142.5km s-min=30.1km az=67.0

ISCJB 09 17:09:24.5-0.7, 5.04S, 0.07x130.00E:0.06, h200km, mb3.0/1, Error ellipse: s-maj=10.5km s-min=8.0km az=27.3

DJA 09 17:09:27.9-0.8, 5.8Sx13.0E, h174km, m6km, M3.2/7, ML3.2/7

ISC 09 17:09:25.5-1.0, 5.02S, 0.10x129.99E:0.06, h200km, n11, c127/15, Banda Sea

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, BNDI, Bandanaira, 0.50 350, P, Pn, 17 09 52.4, etc.

ASAR Alice Springs, 18.52 169, P, P, 17 13 31.3 -0.6

MKAR Makanchi Array, 66.56 326, P, P, 17 19 55.6 +1.4

ISK 09 17:10:32.9, 38.74N, 43.43E, h5km, ML2.5

CISEM 09 17:10:33.8-0.4, 38.73N, 43.48E, h5km, ML2.5, Error ellipse: s-maj=9.1km s-min=6.1km az=111.0

DDA 09 17:10:33.5, 38.72N, 43.54E, h7km, ML2.8

ISC 09 17:10:34.8-1.0, 38.73N, 0.03x43.48E:0.04, h11km, 8km, n19, c1944/37, Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, VANB, Van, 0.15 208, eP, P, 17 10 38.0, etc.

IDC 09 17:22:01.7-2.1, 1.66N, 126.83E, h0km, mb3.5/3, mb1 3.8/3, mb1mx3.4/30, mbmtmp3.6/3, MS3.0/2, Ms1 3.0/2, m1mx2.9/27, Error ellipse: s-maj=179.7km s-min=24.0km az=66.0

ISCJB 09 17:22:02.0-0.7, 1.36N, 0.05x126.36E:0.06, h47km, mb3.5/3, MS2.9/2, Error ellipse: s-maj=9.6km s-min=6.0km az=145.8

DJA 09 17:22:08.5-0.7, 1.4N, 126.8E, h57km, m53km, M3.7/6, mb4.2/2, mb3.9/2, ML3.6/6, Mw(m)3.4/2

ISC 09 17:22:08.5-1.1, 1.36N, 0.06x126.38E:0.07, h47km, n12, c6547/13, mb3.6/3, Northern Molucca Sea

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, LBMI, Labuha, 2.8 150, P, Pn, 17 22 43.5, etc.

ASAR Alice Springs, 25.93 164, P, P, 17 27 37.8 +1.2

CMAR Chiang Mai Arr, 31.83 204, LR, LR, 17 45 16.6

NWAO Narogin (SRO), 35.18 193, LR, LR, 17 45 16.6

MKAR Makanchi Array, 59.30 326, P, P, 17 32 05.4 -0.2

DDA 09 17:52:00.2, 38.81N, 43.51E, h5km, ML2.7

ISC 09 17:52:00.4, 38.81N, 43.51E, h5km, ML2.6

Table with columns: n31, c092/52, Turkey, Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, VMUR, Van-Muradiye, 0.17 359, i, P, 17 52 04.2, etc.

IDC 09 17:58:03.8-1.9, 14.54N, 124.86E, h0km, mb3.6/4, mb1 3.9/4, mb1mx3.4/48, mbmtmp3.6/4, ML4.7/1, MS2.7/1, Ms1 2.9/1, ms1mx2.3/36, Error ellipse: s-maj=57.7km s-min=22.8km az=88.0

ISCJB 09 17:58:05.1-1.4, 23N, 0.09x124.16E:0.06, h10km, mb3.6/4, MS2.5/1, Error ellipse: s-maj=13.1km s-min=7.6km az=22.6

MAN 09 17:58:08, 14.40N, 124.23E, h31km, mb4.6, ML3.5, MS3.5

ISC 09 17:58:08.7-1.1, 14.21N, 0.07x124.17E:0.06, h10km, n23, c222/24, mb3.6/4, 1C-2D, Luzon

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, AUOP, San Andres, 1.70 239, eP, P, 17 58 39.1, etc.

ISC 09 17:58:36.1-0.6, 36N, 0.05x141.91E:0.09, h19km, mb3.6/5, Error ellipse: s-maj=10.9km s-min=7.0km az=22.8

JMA 09 17:58:37.4-0.2, 36.29N, 141.76E, h67km, m4km, M3.0

IDC 09 17:58:37.1-1.8, 36.75N, 141.72E, h0km, mb3.7/5, mb1 3.8/6, mb1mx3.5/51, mbmtmp3.7/6, ML3.2/1, MS2.8/3, Ms1 2.8/3, m1mx2.4/37, Error ellipse: s-maj=45.5km s-min=22.5km az=57.0

ISC 09 17:58:36.8-1.5, 36.29N, 0.06x141.87E:0.10, h19km, n25, c698/19, mb3.8/5, Near east coast of eastern Timor

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, CHOU, Chosi, 1.01 235, P, P, 17 58 55.3, etc.

ISCJB 09 17:58:36.1-0.6, 36N, 0.05x141.91E:0.09, h19km, mb3.6/5, Error ellipse: s-maj=10.9km s-min=7.0km az=22.8

JMA 09 17:58:37.4-0.2, 36.29N, 141.76E, h67km, m4km, M3.0

IDC 09 17:58:37.1-1.8, 36.75N, 141.72E, h0km, mb3.7/5, mb1 3.8/6, mb1mx3.5/51, mbmtmp3.7/6, ML3.2/1, MS2.8/3, Ms1 2.8/3, m1mx2.4/37, Error ellipse: s-maj=45.5km s-min=22.5km az=57.0

ISC 09 17:58:36.8-1.5, 36.29N, 0.06x141.87E:0.10, h19km, n25, c698/19, mb3.8/5, Near east coast of eastern Timor

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, CHOU, Chosi, 1.01 235, P, P, 17 58 55.3, etc.

Table with columns: H11S2, WAKE ISLAND Hy, 28.12 222, T, T, 18 33 50.8, etc.

SONM Songino Array, 28.51 305, P, P, 18 04 31.2 +0.1

ZALV Zalesovo Beam, 42.69 313, P, P, 18 06 32.3 +0.1

MKAR Makanchi Array, 44.83 303, P, P, 18 06 49.4 -0.2

WRA Warramunga Arr, 56.38 189, P, P, 18 08 22.2 +5.4

ASAR Alice Springs, 60.10 188, P, P, 18 08 50.2 +7.3

UPP 09 18:05:36.6, 67.08N, 20.92E, h0km, ML2.3, Mining explosion.

ISCJB 09 18:05:36.2-0.3, 67.07N, 0.02x20.94E:0.06, h0km, Error ellipse: s-maj=3.5km s-min=2.9km az=14.5

HEL 09 18:05:37.4-0.1, 67.09N, 20.90E, h0km, ML2.2, ML2.3(UPP), Explosion

IDC 09 18:05:37.4-1.0, 67.10N, 20.86E, h0km, mb1 3.0/4, m1mx2.9/49, mbmtmp2.9/4, ML2.6/4, Error ellipse: s-maj=17.8km s-min=8.1km az=115.0

NAO 09 18:05:37.9-0.8, 67.08N, 21.21E, ML2.5

CSEM 09 18:05:37.4-0.7, 67.10N, 20.94E, h1km, ML2.3, Error ellipse: s-maj=3.8km s-min=3.4km az=80.0, Mining explosion.

BER 09 18:05:40.4-3.6, 67.12N, 20.93E, h0km, ML1.8, ML2.5(NAO), Suspected explosion

ISC 09 18:05:36.7-0.7, 67.08N, 0.02x20.88E:0.02, h0km, n98, c1509/128, Sweden

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, MASU, Masugnsbyn, 0.58 48, i, P, 18 05 52.0, etc.

HEF comp=Z, 24nm, 0.2s

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.6 +0.2

HEF Hetta, 1.70 37, eP, Pn, 18 06 07.1 -0.5

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

HEF Hetta, 1.70 37, eP, Pn, 18 06 31.3 -0.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KUB, VAF, HEMU, APA0, SPA0, etc.

CSEM 09 18:06:36.7,0.3,39.09N,43.69E,h2km,MD2.8,Error ellipse: s-maj=7.8km s-min=5.8km az=133.0 DDA 09 18:06:36.0,38.97N,43.76E,h7km,MD2.8

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

IDC 09 18:09:43.9,1.2,11.44N,141.27E,h0km,mb3.5/6, mb1 3.7/6,mb1mx3.5/34,mbtmp3.5/6,Error ellipse: s-maj=58.6km s-min=23.4km az=90.0,Western Caroline Islands

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

TIR 09 18:18:34.7,2.3,40.13N,20.74E,h0km,999km,ML2.9 ATH 09 18:18:39.2,40.26N,20.53E,h12km,3km,ML2.3/8,Error ellipse: s-maj=3.9km s-min=0.9km az=116.0

THE 09 18:18:39.5,40.24N,20.56E,h0km,1km,ML2.4/8,Error ellipse: s-maj=1.7km s-min=0.5km az=311.0

ISC/JB 09 18:18:39.8,0.4,40.23N,0.02,20.56E,0.04,h2km,5km, Error ellipse: s-maj=5.6km s-min=2.7km az=27.1

CSEM 09 18:18:39.7,0.2,40.22N,20.55E,h5km,ML2.4,Error ellipse: s-maj=4.4km s-min=2.6km az=111.0

SKO 09 18:18:40.1,40.14N,20.55E,h10km,M1.9,ML2.3

ISC 09 18:18:39.9,1.1,40.22N,0.02,20.57E,0.2,h5km,9km, n53,0576/97,Greece-Albania border region

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

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

IGQ 09 18:22:41.3,1.2,6.52N,20.78W,8.4,h12km,M5.9/13, mb6.3/6,mb6.1/6,MLV5.7/13,MW(mb)5.8/6,Mwps.9/2

ISC/JB 09 18:22:52.4,0.2,4.65S,0.02,77.49W,0.04,h10km, mb4.9/97,MS4.0/13,Error ellipse: s-maj=5.3km s-min=3.2km az=163.9

IDC 09 18:22:52.8,0.5,4.47S,77.49W,h0km,mb4.5/15, mb1 4.7/22,mb1mx4.6/33,mbtmp4.5/22,ML4.3/6,MS4.0/15, Ms1.4/0/15,ms1mx3.8/27,Error ellipse: s-maj=16.4km s-min=10.4km az=80.0

NEIC 09 18:22:56.4,1.4,4.59S,77.48W,h24km,9km,mb4.9/85, ML5.0(ARE),Error ellipse: s-maj=6.5km s-min=4.0km az=64.0

NEIC Felt [I] at Santa Maria de Nieva. Also felt at Bagua Grande

BUI 09 18:22:58.4,4.60S,77.50W,h33km,mb5.5/10,Ms5.3/2, Ms7.5/35

ISC 09 18:22:55.8,1.6,4.55S,0.04,77.43W,0.07,h20km,8km, n344,01592/340,mb4.9/99,MS3.9/13,IC-ID,Northern Peru

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

IGQ 09 18:22:58.4,1.2,6.52N,20.78W,8.4,h12km,M5.9/13, mb6.3/6,mb6.1/6,MLV5.7/13,MW(mb)5.8/6,Mwps.9/2

ISC/JB 09 18:22:52.4,0.2,4.65S,0.02,77.49W,0.04,h10km, mb4.9/97,MS4.0/13,Error ellipse: s-maj=5.3km s-min=3.2km az=163.9

IDC 09 18:22:52.8,0.5,4.47S,77.49W,h0km,mb4.5/15, mb1 4.7/22,mb1mx4.6/33,mbtmp4.5/22,ML4.3/6,MS4.0/15, Ms1.4/0/15,ms1mx3.8/27,Error ellipse: s-maj=16.4km s-min=10.4km az=80.0

NEIC 09 18:22:56.4,1.4,4.59S,77.48W,h24km,9km,mb4.9/85, ML5.0(ARE),Error ellipse: s-maj=6.5km s-min=4.0km az=64.0

NEIC Felt [I] at Santa Maria de Nieva. Also felt at Bagua Grande

BUI 09 18:22:58.4,4.60S,77.50W,h33km,mb5.5/10,Ms5.3/2, Ms7.5/35

ISC 09 18:22:55.8,1.6,4.55S,0.04,77.43W,0.07,h20km,8km, n344,01592/340,mb4.9/99,MS3.9/13,IC-ID,Northern Peru

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

IGQ 09 18:22:58.4,1.2,6.52N,20.78W,8.4,h12km,M5.9/13, mb6.3/6,mb6.1/6,MLV5.7/13,MW(mb)5.8/6,Mwps.9/2

ISC/JB 09 18:22:52.4,0.2,4.65S,0.02,77.49W,0.04,h10km, mb4.9/97,MS4.0/13,Error ellipse: s-maj=5.3km s-min=3.2km az=163.9

IDC 09 18:22:52.8,0.5,4.47S,77.49W,h0km,mb4.5/15, mb1 4.7/22,mb1mx4.6/33,mbtmp4.5/22,ML4.3/6,MS4.0/15, Ms1.4/0/15,ms1mx3.8/27,Error ellipse: s-maj=16.4km s-min=10.4km az=80.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BBIL, BIL2, SRN, etc.

IGQ 09 18:22:58.4,1.2,6.52N,20.78W,8.4,h12km,M5.9/13, mb6.3/6,mb6.1/6,MLV5.7/13,MW(mb)5.8/6,Mwps.9/2

ISC/JB 09 18:22:52.4,0.2,4.65S,0.02,77.49W,0.04,h10km, mb4.9/97,MS4.0/13,Error ellipse: s-maj=5.3km s-min=3.2km az=163.9

IDC 09 18:22:52.8,0.5,4.47S,77.49W,h0km,mb4.5/15, mb1 4.7/22,mb1mx4.6/33,mbtmp4.5/22,ML4.3/6,MS4.0/15, Ms1.4/0/15,ms1mx3.8/27,Error ellipse: s-maj=16.4km s-min=10.4km az=80.0

NEIC 09 18:22:56.4,1.4,4.59S,77.48W,h24km,9km,mb4.9/85, ML5.0(ARE),Error ellipse: s-maj=6.5km s-min=4.0km az=64.0

NEIC Felt [I] at Santa Maria de Nieva. Also felt at Bagua Grande

BUI 09 18:22:58.4,4.60S,77.50W,h33km,mb5.5/10,Ms5.3/2, Ms7.5/35

ISC 09 18:22:55.8,1.6,4.55S,0.04,77.43W,0.07,h20km,8km, n344,01592/340,mb4.9/99,MS3.9/13,IC-ID,Northern Peru

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

IGQ 09 18:22:58.4,1.2,6.52N,20.78W,8.4,h12km,M5.9/13, mb6.3/6,mb6.1/6,MLV5.7/13,MW(mb)5.8/6,Mwps.9/2

ISC/JB 09 18:22:52.4,0.2,4.65S,0.02,77.49W,0.04,h10km, mb4.9/97,MS4.0/13,Error ellipse: s-maj=5.3km s-min=3.2km az=163.9

IDC 09 18:22:52.8,0.5,4.47S,77.49W,h0km,mb4.5/15, mb1 4.7/22,mb1mx4.6/33,mbtmp4.5/22,ML4.3/6,MS4.0/15, Ms1.4/0/15,ms1mx3.8/27,Error ellipse: s-maj=16.4km s-min=10.4km az=80.0

NEIC 09 18:22:56.4,1.4,4.59S,77.48W,h24km,9km,mb4.9/85, ML5.0(ARE),Error ellipse: s-maj=6.5km s-min=4.0km az=64.0

NEIC Felt [I] at Santa Maria de Nieva. Also felt at Bagua Grande

BUI 09 18:22:58.4,4.60S,77.50W,h33km,mb5.5/10,Ms5.3/2, Ms7.5/35

ISC 09 18:22:55.8,1.6,4.55S,0.04,77.43W,0.07,h20km,8km, n344,01592/340,mb4.9/99,MS3.9/13,IC-ID,Northern Peru

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

IGQ 09 18:22:58.4,1.2,6.52N,20.78W,8.4,h12km,M5.9/13, mb6.3/6,mb6.1/6,MLV5.7/13,MW(mb)5.8/6,Mwps.9/2

ISC/JB 09 18:22:52.4,0.2,4.65S,0.02,77.49W,0.04,h10km, mb4.9/97,MS4.0/13,Error ellipse: s-maj=5.3km s-min=3.2km az=163.9

IDC 09 18:22:52.8,0.5,4.47S,77.49W,h0km,mb4.5/15, mb1 4.7/22,mb1mx4.6/33,mbtmp4.5/22,ML4.3/6,MS4.0/15, Ms1.4/0/15,ms1mx3.8/27,Error ellipse: s-maj=16.4km s-min=10.4km az=80.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BBIL, BIL2, SRN, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Paso Flores, Lajas, and various repeaters.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like MCKenzie Canyon, MFID, BEKR, and various repeaters.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like MKAR, MK101, SONAI, and various repeaters.

CSEM 09 18:23:05.1,46:36N;7:45E, h2km, ML0.4/3 ZUR 09 18:23:05.1,46:36N;7:45E, h2km,4km, ML0.4/3,2D,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SENIN, LKBD, LAUCH, and others.

ISK 09 18:25:47.8,38:75N;43:59E, h5km, ML3.2 AZER 09 18:25:48.7,1.3,38:23N;43:70E, h5km, Error ellipse:

CSEM 09 18:25:49.4,0.3,38:75N;43:58E, h5km, ML3.2, Error ellipse: s-maj=7.8km s-min=5.8km az=170.0

ISC 09 18:25:49.3;1.0,38:75N;03:43.60E;0.03,h10km,gkm, n44,c150/55,9C-7D,Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like VANB, ERVC, ERCS, and others.















9d 19h

Table with columns for station name, frequency, power, and other technical details. Includes stations like LSA, PNCL, Rabat Centre, VIS SKHT, etc.

2011 NOV

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

540

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





9d 19h

Table with columns: Station, Frequency, Power, Direction, and other details. Includes stations like Sheep Creek Mo, Susitna One, Palmer, etc.

2011 NOV

Table with columns: Station, Frequency, Power, Direction, and other details. Includes stations like Kenton, Blue Knob Stat, Wrack Wrangel Island, etc.

542

Table with columns: Station, Frequency, Power, Direction, and other details. Includes stations like Benson, Sorong, Soe, etc.

M35A	Neola	92.15 330	P	P	19 36 45.7 -0.2
Q42A	Golden Eagle	92.15 326	P	P	19 36 46.3 +0.3
N37A	Lee Faris, Mou	92.17 329	P	P	19 36 45.5 -0.5
B08A	Colville Reser	92.23 349	eP	P	19 36 46.4 +0.1
SLMT	Seeley Lake	92.24 344	eP	P	19 36 46.0 -0.5
S45A	Carrier Mills	92.28 324	P	P	19 36 46.2 -0.4
HRY	Holter Researc	92.38 343	eP	P	19 36 47.1 0.0
Q38A	Galt	92.40 328	P	P	19 36 46.5 -0.6
R43A	Red Bud	92.41 325	P	P	19 36 46.7 -0.5
Q41A	Truxton	92.42 326	P	P	19 36 47.2 -0.1
M34A	Aspy Farms, Fr	92.46 331	P	P	19 36 48.5 +1.1
CHMT	Chamberlain Mo	92.50 344	eP	P	19 36 47.4 -0.3
S44A	Carbondale	92.57 324	P	P	19 36 48.0 0.0
M33A	Taylor Creek F	92.63 331	P	P	19 36 48.8 +0.6
O37A	Wolven Farm, M	92.64 329	P	P	19 36 47.9 -0.3
N35A	Tabor	92.65 330	P	P	19 36 46.0 -2.3
RSSD	Black Hills	92.70 337	P	P	19 36 48.3 -0.5
RSSD	Black Hills	92.70 337	eP	Pmax	19 36 49.3 +0.5
RSSD	Black Hills	92.70 337	eP	P	19 36 49.2 +0.5
B05A	Bryant	92.72 350	P	P	19 36 48.6 +0.2
MSO	Missoula	92.72 345	P	P	19 36 47.7 -0.9
MSO	Missoula	92.72 345	eP	P	19 36 49.5 +0.9
GCMT	Greycliff	92.73 341	eP	P	19 36 48.8 +0.1
Q40A	Laux Farm, Aux	92.76 327	P	P	19 36 48.7 -0.1
R42A	Luebbering	92.79 326	P	P	19 36 48.6 -0.4
MBWA	Marble Bar	92.84 115	eP	P	19 36 48.3 -1.0
MBWA	Dawn	92.84 328	P	LR	19 36 48.1 -1.1
P38A	Dawn	92.84 328	P	P	19 36 48.1 -1.1
C06D	Leavenworth	92.89 349	P	P	19 36 48.5 -0.8
N34A	Lincoln	93.00 331	P	P	19 36 50.4 +0.5
R41A	Rosebud	93.03 326	P	P	19 36 49.9 -0.2
S43A	Fulton Ridge,	93.05 325	P	P	19 36 50.0 -0.2
Q39A	Willow Grove F	93.10 327	P	P	19 36 50.7 +0.3
G0GA	Godfrey	93.12 318	PFAKE	LR	19 37 00.0 +9.4
G0GA	Godfrey	93.12 318	LR	LR	
BGNE	Begrade	93.13 332	P	P	19 36 51.1 +0.6
CCM	Cathedral Cave	93.17 326	eP	Pmax	19 36 51.3 +0.6
CCM	Cathedral Cave	93.17 326	eP	P	19 36 51.3 +0.6
S42A	Caledonia	93.21 325	P	P	19 36 51.3 +0.3
P37A	Lathrop	93.21 329	P	P	19 36 50.2 -0.7
T44A	Benton	93.22 324	P	P	19 36 51.2 +0.3
RLMT	Red Lodge	93.25 341	P	P	19 36 51.5 +0.2
RLMT	Red Lodge	93.25 341	eP	P	19 36 51.4 +0.2
RLMT	Red Lodge	93.25 341	LR	LR	
Q35A	Humboldt	93.26 330	P	P	19 36 50.9 -0.2
SJG	San Juan	93.33 296	LR	LR	20 15 03.9
LRM	Limekiln Ridge	93.36 343	eP	P	19 36 51.5 -0.3
BOZ	Bozeman (W)	93.38 343	P	P	19 36 50.5 -1.2
BOZ	Bozeman (W)	93.38 343	eP	Pmax	19 36 54.5 +2.7
BOZ	Bozeman (W)	93.38 343	PFAKE	LR	19 37 00.0 +8.2
R40A	Maddies Statio	93.43 327	P	P	19 36 51.1 -0.8
Q38A	Cooks Store, C	93.44 328	P	P	19 36 51.3 -0.6
P36A	Good Intent, A	93.53 329	P	P	19 36 50.9 -1.5
T43A	Greenville	93.55 325	P	P	19 36 51.9 -0.6
O34A	Beatrice	93.64 330	P	P	19 36 52.7 -0.2
U44A	Portageville	93.74 324	P	P	19 36 54.5 +1.1
S41A	Jillico Farms,	93.78 326	P	P	19 36 53.5 -0.1
NLWA	Neilton Lookou	93.81 351	PFAKE	LR	19 37 00.0 +6.5
NLWA	Neilton Lookou	93.81 351	LR	LR	
E09A	Wood Farm, Sta	93.83 347	eP	P	19 36 56.0 +2.4
PBMO	Poplar Bluff	93.86 324	eP	P	19 36 55.6 +1.7
P35A	Duane Minner,	93.94 330	P	P	19 36 54.1 -0.1
YHH	Holmes Hill	93.96 342	eP	P	19 36 55.3 +0.7
GRGR	Grenville	93.98 289	PFAKE	LR	19 37 00.0 +5.2
GRGR	Grenville	93.98 289	LR	LR	
LKWY	Lake	94.06 342	PFAKE	LR	19 37 00.0 +5.0
LKWY	Lake	94.06 342	LR	LR	
O33A	Hebron	94.07 331	P	P	19 36 54.6 -0.3
S40A	Lebanon	94.11 326	P	P	19 36 54.8 -0.3
HAWA	Hanford	94.18 348	PFAKE	LR	19 37 00.0 +4.8
HAWA	Hanford	94.18 348	LR	LR	
U43A	Rector	94.18 324	P	P	19 36 55.3 -0.1
YTP	The Promontory	94.19 341	eP	P	19 36 57.7 +2.1
Q36A	Arnold C. Orve	94.20 329	P	P	19 36 55.3 -0.2
PLAL	Pickwick Lake	94.21 322	eP	P	19 36 56.3 +0.7
R38A	Quinn	94.21 328	P	P	19 36 54.9 -0.6
P34A	Walnut Farm, R	94.24 330	P	P	19 36 55.3 -0.3
T41A	Mountain View	94.24 326	P	P	19 36 55.1 -0.6
H17A	Grant Village	94.26 342	P	P	19 36 56.7 +0.7
S39A	Bolivar	94.38 327	P	P	19 36 56.0 -0.4
T40A	Mansfield	94.49 326	P	P	19 36 56.4 -0.5
R37A	Teagarden Farm	94.49 328	P	P	19 36 56.4 -0.4
Q35A	Mercer Eighty,	94.52 329	P	P	19 36 57.0 +0.1
KSU1	Kansas State U	94.54 330	P	P	19 36 57.2 +0.2
KSU1	Kansas State U	94.54 330	PFAKE	LR	19 37 10.0 +1.3
KSU1	Kansas State U	94.54 330	LR	LR	
U42A	Reverden	94.58 325	P	P	19 36 57.0 -0.2
W45A	Hickory Valley	94.60 323	P	P	19 36 57.5 +0.1

S38A	Stockton	94.68 327	P	P	19 36 56.0 -1.7
TIGA	Tifton	94.71 317	P	P	19 36 58.1 +0.2
K22A	Casper	94.78 338	P	P	19 36 57.7 -0.6
K22A	Casper	94.78 338	eP	P	19 36 59.9 +1.6
IMW	Indian Meadow	94.82 342	eP	P	19 37 00.7 +2.1
Q34A	Chapman	94.82 330	P	P	19 36 57.3 -1.0
MOOW	Moose Ponds	94.91 341	eP	P	19 36 59.2 +0.3
OGNE	Ogallala	94.91 334	PFAKE	LR	19 37 10.0 +1.1
OGNE	Ogallala	94.91 334	LR	LR	
S37A	Fort Scott	94.96 328	P	P	19 36 59.2 +0.2
T39A	Clever	94.97 327	P	P	19 36 58.0 -1.1
Y47A	UCPARC, Wintie	94.97 321	P	P	19 36 57.8 -1.3
R35A	Emporia Munic	95.04 329	P	P	19 36 58.8 -0.5
FXWY	Fox Creek	95.08 342	eP	P	19 37 00.9 +1.1
TPAW	Tabor	95.20 342	eP	P	19 37 02.4 +2.1
FITZ	Fitzroy Crossi	95.22 109	P	P	19 36 58.9 -1.4
LRAL	Lakeview Retre	95.24 320	eP	P	19 37 00.7 +0.4
Z48A	Northport	95.25 321	P	P	19 36 59.6 -0.7
BMO	Blue Mountains	95.29 346	eP	Pmax	19 37 00.9 +0.5
BMO	Blue Mountains	95.29 346	MLR	MLR	
BMO	Blue Mountains	95.29 346	eP	P	19 37 00.9 +0.5
BMO	Blue Mountains	95.29 346	LR	LR	
REDW	Red Top Meadow	95.30 341	eP	P	19 37 01.7 +1.0
U40A	Yellville	95.30 326	P	P	19 37 01.4 +0.8
S36A	Lake Cedric, C	95.31 328	P	P	19 37 00.6 +0.1
T38A	Diamond	95.35 327	P	P	19 37 00.3 -0.5
SMPI	Sarmi	95.46 88	P	P	19 37 02.8 +1.3
V41A	Mountainview	95.46 325	P	P	19 37 00.5 -0.8
R34A	Isabella, Hill	95.48 330	P	P	19 37 00.3 -1.0
Y46A	Houston	95.48 322	P	P	19 37 01.1 -0.2
BW06	Boulder Array	95.52 340	P	P	19 37 01.3 -0.4
BW06	Boulder Array	95.52 340	eP	P	19 37 01.6 -0.2
BW06	Boulder Array	95.52 340	LR	LR	
PD31	Pinedale Array	95.52 340	eP	P	19 37 03.7 +2.0
PDAR	Pinedale Array	95.52 340	eP	P	19 37 02.0 +0.2
PDAR	Pinedale Array	95.52 340	eP	PP	19 40 50.0 -1.5
PDAR	Pinedale Array	95.52 340	LR	LR	20 21 50.3
T37A	Cheyenne 18	95.54 328	P	P	19 37 00.4 -1.2
U39A	Green Forest	95.55 326	P	P	19 37 02.4 +0.7
W42A	Bald Knob	95.60 324	P	P	19 37 02.4 +0.5
S35A	Otter Creek Ra	95.64 329	P	P	19 37 02.0 -0.1
Z47A	Carrollton	95.64 321	P	P	19 37 02.8 +0.6
PHWY	Pilot Hill	95.70 337	eP	P	19 37 02.8 +0.2
V40A	Witts Springs	95.75 326	P	P	19 37 02.8 +0.2
U38A	Gratte	95.89 327	P	P	19 37 02.2 -1.1
HLID	Hailey	95.94 344	P	P	19 37 02.0 -1.5
HLID	Hailey	95.94 344	eP	P	19 37 04.6 +1.0
HLID	Hailey	95.94 344	LR	LR	
S34A	Willow Spring	95.94 329	P	P	19 37 03.4 -0.1
CBKS	Cedar Bluff	95.98 332	P	P	19 37 02.8 -0.9
CBKS	Cedar Bluff	95.98 332	PFAKE	LR	19 37 10.0 +6.3
CBKS	Cedar Bluff	95.98 332	LR	LR	
T36A	Boggs Farm, Ca	95.99 328	P	P	19 37 02.8 -0.9
W41B	Gary Marly, V	96.01 325	P	P	19 37 03.2 -0.6
Y44A	Strider, Charv	96.07 323	P	P	19 37 04.0 -0.1
Z46A	Louisville	96.08 321	P	P	19 37 02.6 -1.5
V39A	Pettigrew	96.08 326	P	P	19 37 03.3 -0.9
MTN	Mannton Dam	96.16 101	eP	P	19 37 03.5 -1.2
147A	Livingston	96.17 321	P	P	19 37 03.6 -0.9
N23A	Red Feather La	96.22 337	P	P	19 37 04.2 -0.8
N23A	Red Feather La	96.22 337	eP	P	19 37 05.7 +0.7
U37A	Salina	96.23 327	P	P	19 37 04.2 -0.6
SDDR	Presa de Saban	96.29 300	PFAKE	LR	19 37 10.0 +4.6
SDDR	Presa de Saban	96.29 300	LR	LR	
Z45A	Winona	96.30 322	P	P	19 37 04.9 -0.3
Z48A	Dixon Mills	96.36 320	P	P	19 37 06.5 +1.1
T35A	Sooner Centre	96.38 329	P	P	19 37 06.0 +0.6
MFID	Camas Ranch	96.38 345	eP	P	19 37 05.8 +0.3
V38A	Canehill	96.39 327	P	P	19 37 05.5 -0.1
T34A	McClaskey Farm	96.56 329	P	P	19 37 05.4 -0.8
146A	Union	96.58 321	P	P	19 37 06.3 -0.2
Z44A	Pea Ridge, Bel	96.73 322	P	P	19 37 08.5 +1.5
BRAL	Brewton	96.75 319	PFAKE	LR	19 37 20.0 +1.3
BRAL	Brewton	96.75 319	LR	LR	
247A	Quinn	96.83 320	P	P	19 37 08.6 +1.1
KSCO	Key Shedlock'	96.84 334	P	P	19 37 08.0 +0.3
Y42A	Garnett, Star	96.91 324	P	P	19 37 08.7 +0.8
U35A	Pawnee	96.94 329	P	P	19 37 08.5 +0.6
TUL1	Leonard	96.94 328	P	P	19 37 07.9 -0.1
GENI	Genyem	96.96 88	P	P	19 37 14.6 +6.2
348A	Jackson	96.99 320	P	P	19 37 08.6 +0.3
145A	Houston Renfro	97.04 322	P	Pdf	19 37 09.2 +0.6
W38A	Poteau	97.11 326	P	Pdf	19 37 09.0 +0.1
ISCO	Idaho Springs	97.12 336	P	P	19 37 08.7 -0.5
ISCO	Idaho Springs	97.12 336	PFAKE	LR	19 37 20.0 +1.1
ISCO					



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MOTA, FETA, FIAO, FIAO, FINES, GRFO, GRFO, DAVOX, KURBB, KURK, MK32, MKAR, ZALV, ZAA1, EKA, ESDC, MDT, TOA1, TOA1, TORO, TORO, CMAR, DBIC, MATP, RESOL, KSAR, KSAR, KSRS, SEY, BOSS, INK.

DDA 09 19:34:19.1, 38.48N, 43.23E, h5km, ML3.7
ISK 09 19:34:19.0, 38.49N, 43.25E, h5km, ML3.7
CSEM 09 19:34:24.5, 0.3, 38.40N, 42.86E, h2km, ML3.7, Error

ellip: s-maj=5.0km s-min=3.2km az=161.0
AZER 09 19:34:29.9, 1.0, 38.36N, 43.43E, h5km, Error ellipse:
s-maj=9.3km s-min=8.1km az=145.0

ISC 09 19:34:19.6, 1.2, 38.49N, 0.02, 43.26E, 0.02, h0km, 10km,
n95, c1567/128, 16C-16D, Turkey

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations from GEVA to SEKA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations from SEKA to NDR.

ISK 09 19:36:41.8, 38.53N, 43.25E, h5km, ML3.6
CSEM 09 19:36:42.0, 0.3, 38.50N, 43.27E, h0km, 2km, ML3.6, Error
ellip: s-maj=5.2km s-min=3.9km az=116.0
DDA 09 19:36:42.4, 38.51N, 43.27E, h4km, ML3.6
ISC 09 19:36:42.7, 1.1, 38.51N, 0.02, 43.27E, 0.02, h7km, 9km,
n52, c1504/75, Turkey

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations from GEVA to YEDI.

DJA 09 19:37:21.4, 1.0, 11.17E, h78km, 84km, M3.7/7,
ML3.7/7, South of Sumbawa

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations from TWSI to ADCV.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations from ERCV to YEDI.

ISCJB 09 19:39:09.2, 0.7, 34.63N, 0.05, 138.5E, 0.05,
h18km, 10km, MS3.9/1, Error ellipse: s-maj=7.6km
s-min=6.3km az=172.9

JMA 09 19:39:09.0, 0.1, 34.65N, 138.52E, h2km, 2km, M2.6
Broadband fault plane solution: P waves. NP1:
0.160000, 0.1660000, 0.1640000. NP2: 0.2740000,
0.260000, 0.1660000. Principal axes: T P1g45.0000,
Az261.0000; N P1g25.0000; Az19.0000; P

P1g34.0000; Azm128.0000
M3.7/3, 3.4, 1.3, 36; 1.0, 1.3, 27E, h0km, mb3.4/2,
mb1.3, 62, mb1mx3.144, mb1mx3.42, MS4.0/1, Ms1.4/0/1,
ms1mx3.2/24 Error ellipse: s-maj=17.3km s-min=12.1km
az=91.0

ISC 09 19:39:08.1, 0.1, 34.76N, 0.04, 138.53E, 0.04, h8km, 13km,
n13, c1518/15, 3C-3D, Near south coast of eastern

Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations from JIZS to MJAR.

ISC 09 19:41:10.7, 1.0, 32.08S, 0.05, 71.20W, 0.06, h86km, 19km,
Error ellipse: s-maj=9.9km s-min=8.0km az=138.7

SJA 09 19:41:10.5, 0.5, 32.02S, 71.14W, h70km, 6km, ML3.4,
MW3.5

GUC 09 19:41:12.0, 0.6, 32.12S, 71.13W, h73km, 12km, ML3.5
ISC 09 19:41:11.9, 0.2, 32.09S, 0.06, 71.17W, 0.08, h78km, 28km,
n19, c0548/31, 5C-1D, Near coast of central Chile

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations from ROCH to ACCO.

9d 20h

Table with columns: AMOG, AGUA GUANDACOL, VCA Vinchina, VCA comp=2.46m,0.2s, APVLL PUNTA DE LOS L, ACLC CERRO LA CRUZ. Includes station names, coordinates, and status.

ISCJB 09 19:46:29.8:0.5, 8.51S:0.05x147.99E:0.07, h109km, mb4.2/13, Error ellipse: s-maj=11.3km s-min=5.2km az=30.1

NEIC 09 19:46:30.6:0.9, 8.49S:148.04E, h103km, mb4.5/9, Error ellipse: s-maj=12.4km s-min=7.9km az=115.0

IDC 09 19:46:30.6:1.1, 8.51S:148.12E, h104km, mb3.6/9, mb1.3/8.11, mb1mx3/7.30, mbtmp4.0/11, MS4.1/2, MS1.4/1.2, ms1mx3/3.32, Error ellipse: s-maj=26.4km s-min=13.6km az=111.0

ISC 09 19:46:31.3:0.6, 8.52S:0.07x147.93E:0.09, h109km, n36, z=208/43, mb4.1/13, Eastern New Guinea region

Main station list table for the 9d 20h period. Columns include Code, Station Name, Az, Az', Phase ID, Time, Res, and ISC. Lists stations like PMG Port Moresby, RABL Rabaul, COEN Coen, etc.

AZER 09 19:48:35.6:1.0, 37.87N:42.68E, h7km, Error ellipse: s-maj=10.1km s-min=7.2km az=0.0

ISK 09 19:48:41.0, 38.43N:43.29E, h5km, ML3.4, DDA 09 19:48:42.8, 38.48N:43.27E, h22km, ML3.5

ISCJB 09 19:48:43.0:0.3, 38.45N:0.03x43.28E:0.02, h10km, Error ellipse: s-maj=3.8km s-min=2.5km az=154.3

CSEM 09 19:48:43.6:0.2, 38.48N:43.21E, h2km, ML3.5, Error ellipse: s-maj=6.3km s-min=3.6km az=155.0

ISC 09 19:48:43.1:0.7, 38.44N:0.02x43.30E:0.02, h10km, n92, z=209/131, 11C-15D, Turkey

Continuation of station list table for the 9d 20h period. Lists stations like GEVA Gevas, ERVAV ERVAV, ERVAV ERVAV, etc.

2011 NOV

Main station list table for the 2011 NOV period. Columns include Code, Station Name, Az, Az', Phase ID, Time, Res, and ISC. Lists stations like VRTB Varto-Mus, VRTB Varto-Mus, VRTB Varto-Mus, etc.

KRSC 09 19:56:51.6:10.0, 54.96N:162.46E, h45km, 10km, ML3.9, Near east coast of Kamchatka Peninsula

Station list table for the KRSC 09 period. Lists stations like MKZ Mys Kozlova, TUMD Tumrok D, KZV Kizimen, etc.

IDC 09 19:59:18.7:1.9, 6.46S:81.27W, h0km, mb3.7/1, mb1.3/8.3, mb1mx3.5/3.3, mbtmp3.8/3, ML3.3/2, Error ellipse: s-maj=71.3km s-min=23.3km az=14.0, Near coast of northern Peru

Station list table for the IDC 09 period. Lists stations like ATAH Atahualpa, ATAH Atahualpa, ATAH Atahualpa, etc.

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ASAR Alice Springs 134.44 228 PKP PKPdf 20 18 38.8 -1.1

WRA Warramunga Arr 136.24 232 PKP PKPdf 20 18 42.4 -0.9

IDC 09 20:02:24.3:26.0, 20.72S:173.40W, h0km, mb4.3/4, mb1.4/4.4, mb1mx3.9/2.6, mbtmp4.3/4, Error ellipse: s-maj=492.4km s-min=150.9km az=75.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and ISC. Lists stations like CTA Charters Tower, STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr.

ISCJB 09 20:06:35.5:0.8, 38.95N:0.06x43.52E:0.05, h5km, 10km, Error ellipse: s-maj=10.2km s-min=6.0km az=163.0

CSEM 09 20:06:35.1:0.3, 38.94N:43.54E, h2km, ML2.3, Error ellipse: s-maj=9.6km s-min=6.1km az=162.0

DDA 09 20:06:35.1, 38.98N:43.52E, h7km, ML2.7, ISK 09 20:06:35.4, 38.96N:43.51E, h6km, ML2.3

ISC 09 20:06:34.8:1.1, 38.95N:0.04x43.55E:0.03, h7km, 9km, n16, c=47/23, Turkey

Station list table for the ISCJB 09 period. Lists stations like VMUR Van-Muradiye, ERVAV ERVAV, ERVAV ERVAV, etc.

MAN 09 20:10:06.8:98N:126.37E, h1km, mb4.3, ML3.1, MS2.9, Mindanao

Station list table for the MAN 09 period. Lists stations like BUTP Butuan, BUKP Musuan, MSLP Maasin, MATI Mati.

ISK 09 20:16:36.9, 38.56N:43.55E, h3km, ML3.6

ISCJB 09 20:16:37.0:0.5, 38.61N:0.02x43.51E:0.03, h1km, 4km, Error ellipse: s-maj=4.5km s-min=2.8km az=143.5

CSEM 09 20:16:37.0:0.2, 38.60N:43.46E, h2km, ML3.6, Error ellipse: s-maj=5.4km s-min=3.6km az=147.0

DDA 09 20:16:37.0, 38.60N:43.47E, h12km, ML3.6, AZER 09 20:16:37.5:5.3, 39.01N:42.90E, h21km, 36km, Error ellipse: s-maj=28.7km s-min=5.1km az=76.0

ISC 09 20:16:37.9:0.9, 38.60N:0.02x43.47E:0.02, h5km, 7km, n101, c=187/135, 15C-24D, Turkey

Main station list table for the 20:00-20:15 period. Columns include Code, Station Name, Az, Az', Phase ID, Time, Res, and ISC. Lists stations like TVAN Van, VMUR Van-Muradiye, ERVAV ERVAV, etc.

Table with columns: DIV, Station Name, Az, El, P, Res, Time, Res. Includes stations like Diyarbakir, Bogdanovka, DYBB, DAGI, GDB, GEDABAY, AKH, QZX, etc.

NEIC 09 20:18:56.1±0.0, 19.37N;64.26W, h124km, MD3.8(RSPR), After RSPR.

NEIC Felt at Naguabo, Puerto Rico.

RSPR 09 20:18:56.1, 19.37N;64.26W, h124km, 9km, MD3.8/10,

10C-11D, Virgin Islands

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like AVBI, TBVI, STVI, CDVI, SMRT, etc.

AZER 09 20:20:13.3±1.1, 37.23N;44.15E, h6km, Error ellipse: s-maj=9.3km, s-min=8.4km, az=46.0

DDA 09 20:20:16.0, 38.46N;43.29E, h15km, M13.7

ISK 09 20:20:15.8, 38.47N;43.32E, h5km, M13.5

CSEM 09 20:20:16.0±0.2, 38.46N;43.29E, h5km, M13.7, Error ellipse: s-maj=4.7km, s-min=3.5km, az=149.0

ISC 09 20:20:16.7±1.1, 38.46N;43.31E±0.02, h8km, 9km, n105, e199/135, 18C-13D, Turkey

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like GEVA, ERVC, VMUR, etc.

Main table with columns: TATV, Station Name, Az, El, P, Res, Time, Res. Includes stations like TATV, Tatvan, CLDR, Caldiran, etc.

NEIC 09 20:22:42.4±0.0, 31.86N;114.92W, h0km, MD3.5(ECX), M1.3(4PAS), After ECX.

ECX 09 20:22:42.4±0.0, 31.86N;114.93W, h10km, MD3.3, M13.5

MEX 09 20:22:44.0±0.1, 31.86N;114.98W, h9km, 6km, MD3.7

ISC 09 20:22:41.8±1.0, 31.85N;114.97W±0.03, h25km±11km, n65, e177/86, 1C-3D, Gulf of California

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like ECXB, MBIG, CPBX, etc.

Table with columns: WESC, Station Name, Az, El, P, Res, Time, Res. Includes stations like YUH, ZAX, RMX, GLA, etc.

IDC 09 20:26:40.8±1.4, 38.04S;75.51W, h0km, mb4.0/5, mb1 4.2/7, mb1mx4.0/25, mbtrmp3.9/7, ML3.7/2, MS4.4/1, Ms1 4.3/1, ms1mx3.6/28, Error ellipse: s-maj=43.9km, s-min=25.3km, az=40.0

NEIC 09 20:26:42.9±5.4, 37.82S;75.21W, h8km±32km, mb4.4/3, Error ellipse: s-maj=23.3km, s-min=9.4km, az=95.0

ISCJB 09 20:26:44.6±0.6, 37.79S;75.16W±0.08, h38km, mb4.2/7, MS4.3/1, Error ellipse: s-maj=8.6km, s-min=7.1km, az=173.6

GUC 09 20:26:44.8±0.6, 37.83S;75.22W, h50km, 84km, ML4.0

ISC 09 20:26:46.7±0.7, 37.78S;75.19W±0.09, h35km, n27, e151/30, mb4.1/7, 1C-1D, Off coast of central Chile

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like TMU, COCH, CCHI, etc.

AZER 09 20:33:48.0.4.38'13N.42'65E, h10km, Error ellipse: s-maj=4,1km s-min=0.3km az=3.0

ISC 09 20:33:51.5.38'48N.43'23E, h5km, ML3.5 DDA 09 20:33:52.3.38'48N.43'21E, h14km, M13.6 CSEM 09 20:33:53.6.0.38'46N.43'20E, h10km, ML3.6, Error ellipse: s-maj=7.6km s-min=5.2km az=142.0

ISC 09 20:33:52.7.1.38'47N.02'43.21E.0.02, h1km, 11km, n104, c1857/135, 15C-19D, Turkey

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

IDC 09 20:35:03.1.15.0.17, 74AS.177.82W, h428km, 166km, mb3.2/5, mb1 3.5/5, mb1mx3.1/38, mbtmp4.0/55, Error ellipse: s-maj=114.5km s-min=49.0km az=10.0, Fiji Islands region

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations for the Fiji Islands region.

0.9nm, 0.4s, baz=94, slow=7.4, SNR=39 ASAR Alice Springs 45.38 254 P 20 42 41.6 -0.3

ILAR Eielson Array 85.60 13 P 20 46 56.0 +1.5 PDAR Pinedale Array 86.84 94 P 20 40 56.0 -1.3 GERES GERES Array B 147.59 346 PKPbc PKPbc 20 53 57.7 -0.6

ISC/JCB 09 20:38:55.4.0.8.38'14N.0'03.141'88E.0'08, h51km, 5km, mb3.7/15, MS3.5/1, Error ellipse: s-maj=10.5km s-min=4.5km az=19.1

IDC 09 20:38:56.4.0.8.38'17N.141'98E, h48km, 5km, mb3.5/15, mb1 3.6/20, mb1mx3.5/61, mbtmp3.8/20, MS3.6/1, Ms1 3.6/1, ms1mx2.9/34, Error ellipse: s-maj=16.0km s-min=9.2km az=108.0

JMA 09 20:38:57.2.0.1.38'15N.141'71E, h53km, 1km, M3.8 JMA Feil Ji

ISC 09 20:38:57.2.0.8.38'16N.0'04.141'81E.0'07, h47km, 5km, n48, c1936/61, mb3.7/15, Near east coast of eastern Honshu

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

USRK Ussuriysk Arr. 9.54 312 P 20 41 12.6 +0.7 KSRs Korea Array 11.01 271 P 20 41 32.7 +0.7

SON2 SONGIO ARRAY 27.48 102 T 20 44 33.9 +0.7 H1N1 WAKE ISLAND HY 28.43 123 T 20 15 07.2

H1N3 WAKE ISLAND HY 28.50 123 T 20 15 03.7 H1S1 WAKE ISLAND HY 29.23 125 T 20 16 00.7

H1S3 WAKE ISLAND HY 29.23 125 T 20 15 57.9 H1S2 WAKE ISLAND HY 29.25 125 T 20 16 01.8

TIXI Tiksi 34.21 353 P 20 45 37.1 -0.8 ZALV Zalevo Beam 41.40 311 P 20 46 37.9 -0.8

CMAR Chiang Mai Arr 42.09 254 P 20 46 45.2 +0.4 MKAR Makanchi Array 43.80 301 P 20 46 57.9 -0.4

MKAR 0.7nm, 0.7s, baz=83, slow=11, SNR=4.7 KURBB Kurchatov Arra 45.56 307 P 20 47 11.3 -1.0

KURBB 3.4nm, 0.8s, baz=81, slow=8, SNR=7.3 TAPN Tappejung 46.18 273 eP 20 47 30.1 -0.4

ODAN Odare 46.66 273 eP 20 47 24.2 +2.7 RAMN Ramit 47.24 273 eP 20 47 28.7 +2.6

KNB Kakani 47.89 275 eP 20 47 33.4 +2.3 ILAR Alice Springs 48.38 33 P 20 47 33.7 -0.3

KOLN Koldanda 49.22 276 eP 20 47 43.4 +2.1 PVAR Borovoye Array 50.05 312 P 20 47 46.3 -0.7

ARV Art 55.73 318 P 20 48 27.9 -0.9 WRA Warramunga Arr 58.22 188 P 20 48 45.8 -0.9

WRA 0.4nm, 0.6s, baz=5.9, slow=7.2, SNR=7.3 WRA 0.9nm, 0.5s, baz=2.4, slow=7.4, SNR=3.0

ASAR Alice Springs 61.95 188 eP 20 49 11.2 -1.1 ARCES ARCES Array B 63.05 339 P 20 49 17.2 -1.9

FINES FINES Array B 67.97 332 P 20 49 49.7 -1.2 HFS Hagfors 73.19 336 P 20 50 22.5 -0.3

NOA NORSAM Array B 73.27 337 P 20 50 23.1 -0.2 DDA 09 20:42:57.6.38'47N.43'24E, h5km, M13.5

ISC/JCB 09 20:42:58.3.0.5.38'47N.0'02.43'25E.0'04, h8km, 4km, Error ellipse: s-maj=5.3km s-min=3.7km az=29.9

CSEM 09 20:42:58.0.0.2.38'47N.43'24E, h5km, ML3.5, Error ellipse: s-maj=4.1km s-min=3.3km az=115.0

ISC 09 20:42:58.2.0.9.38'48N.0'02.43'23E.0'02, h9km, 8km, n67, c0973/80, Turkey

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations for the Turkey region.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations for the Van region.

ISN 09 20:45:20.6.1.1.39'16N.43'19E, h0km, ML4.6 ISK 09 20:45:38.2.38'47N.43'24E, h5km, ML4.3

DDA 09 20:45:38.9.38'46N.43'25E, h18km, M14.5 NEIC 09 20:45:39.4.0.38'48N.43'27E, h5km, mb4.5/19, ML4.4(ISK), After ISK.

ISC/JCB 09 20:45:39.0.0.4.38'45N.0'02.43'25E.0'01, h10km, 2km, mb4.1/44, MS4.0/14, Error ellipse: s-maj=2.8km s-min=1.8km az=152.2

CSEM 09 20:45:39.0.0.1.38'45N.43'23E, h2km, mb4.5/20, Error ellipse: s-maj=3.9km s-min=2.6km az=157.0

MOS 09 20:45:39.1.1.6.38'40N.43'34E, h10km, mb4.7/13, Error ellipse: s-maj=7.0km s-min=4.4km az=114.3

IDC 09 20:45:41.7.3.38'57N.43'21E, h16km, 25km, mb3.8/22, mb1 3.9/33, mb1mx3.8/53, mbtmp3.9/33, ML3.4/10, MS3.9/16, Ms1 4.0/16, ms1mx3.6/48, Error ellipse: s-maj=13.0km s-min=8.1km az=167.0

AZER 09 20:45:46.9.1.38'82N.43'35E, h14km, Error ellipse: s-maj=20.1km s-min=13.5km az=92.0

ISC 09 20:45:40.6.0.6.38'46N.0'02.43'22E.0'01, h9km, 3km, n20, c1864/491, mb4.2/46, MS4.0/14, 49C-46D, Turkey

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations for the Azerbaijan region.





Table with columns: DPC, KLMLR, TREK, etc. and rows listing stations like Dobruska-Polom, Kilmovskoe, etc. with associated frequencies and parameters.

Table with columns: KOWA, CMAR, DBIC, etc. and rows listing stations like Kowa, Chiang Mai Arr, Dimbokro, etc. with associated frequencies and parameters.

Table with columns: AFI, AF1, ANZO, etc. and rows listing stations like Afi, Afiamalu, South Karori, etc. with associated frequencies and parameters.



2011 NOV

<b>9d 21h</b>					
<b>BNSI</b>	<b>Bone</b>	29.95 241	P	P	21 58 30.5 +1.7
	comp=Z,66nm,1.2s,comp=Z,1µm				
<b>KKM</b>	<b>Kota Kinabalu</b>	30.00 264	PFAKE	LR	21 58 40.0 +1.1
	LR				
<b>SPSI</b>	<b>Sidrap Palu</b>	30.03 243	P	P	21 58 31.5 +1.9
	comp=Z,4µm,19.0s				
<b>CTA</b>	<b>Charters Tower</b>	30.49 180	P	P	21 58 33.7 +0.2
	comp=Z,20nm,0.9s,comp=Z,747nm				
<b>CTAO</b>	<b>Charters Tower</b>	30.49 180	eP	P	21 58 34.4 +0.9
	comp=Z,22nm,1.0s				
<b>CTAO</b>			MLR	MLR	
	comp=Z,2µm,20.0s				
<b>CTAO</b>	<b>Charters Tower</b>	30.49 180	eP	P	21 58 34.4 +0.9
	comp=Z,22nm,1.0s				
<b>CTAO</b>			LR	LR	
	comp=Z,2µm,20.0s				
<b>BSSI</b>	<b>Bau Bau Buton</b>	30.52 238	P	P	21 58 37.3 +3.3
	comp=Z,72nm,1.1s,comp=Z,1µm				
<b>MMRI</b>	<b>Maumere</b>	30.55 232	eP	P	21 58 36.0 +1.8
	comp=Z,92nm,0.4s				
<b>MMRI</b>			LR	LR	
	comp=Z,5µm,21.0s				
<b>KAPI</b>	<b>Kappang</b>	30.56 241	PFAKE	LR	21 58 50.0 +1.6
	comp=Z,4µm,22.0s				
<b>KAPI</b>		30.56 241	P	P	21 58 34.3 +0.1
	comp=Z,4µm,22.0s				
<b>TJN</b>	<b>Taejon</b>	30.81 329c	iP	P	21 58 36.8 +0.6
	SNR=7.8				
<b>SSE</b>	<b>Sheshan</b>	30.89 315	S	S	21 58 33.9 -3.1
			S	S	22 03 38.3 -1.8
	comp=Z,43nm,0.7s				
<b>SSE</b>			pmax	pmax	
	comp=Z,280nm,5.9s				
<b>SSE</b>			LR	LR	
	comp=Z,1µm,23.8s				
<b>SSE</b>			LR	LR	
	comp=Z,2µm,23.8s				
<b>SSE</b>			LR	LR	
	comp=Z,2µm,21.7s				
<b>EDFI</b>	<b>Ende, Flores</b>	31.05 233	P	P	21 58 49.7 +1.1
	comp=Z,43nm,0.8s,baz=148,slow=9.0,SNR=57				
<b>KSR5</b>	<b>Korea Array</b>	31.40 331	P	P	21 58 41.1 -0.2
	comp=Z,310nm,1.8s				
<b>KSR5</b>			LR	LR	22 11 23.5
	comp=Z,2µm,18.2s,baz=116,slow=36				
<b>KS15</b>	<b>Wonju Array Si</b>	31.41 331	eP	P	21 58 41.7 +0.3
	comp=Z,19nm,0.6s				
<b>KSAR</b>	<b>Wonju Array Be</b>	31.41 331	P	P	21 58 41.2 -0.3
	comp=Z,19nm,0.6s				
<b>KSAR</b>	<b>Wonju Array Be</b>	31.41 331	P	P	21 58 41.1 -0.3
	comp=Z,19nm,0.6s				
<b>KS01</b>	<b>Wonju Array Si</b>	31.43 331	P	P	21 58 41.0 -0.7
	comp=Z,310nm,1.8s				
<b>INCN</b>	<b>Incho</b>	32.04 330	eP	P	21 58 48.4 +1.3
	comp=Z,310nm,1.8s				
<b>INCN</b>			LR	LR	
	comp=Z,4µm,20.0s				
<b>WB0</b>	<b>Warramunga Arr</b>	32.34 201	PFAKE	LR	21 59 00.0 +1.0
	comp=Z,3µm,21.0s				
<b>WB9</b>	<b>Warramunga Arr</b>	32.36 201	PFAKE	LR	21 59 00.0 +1.0
	comp=Z,7µm,21.0s				
<b>WB8</b>	<b>Warramunga Arr</b>	32.38 201	PFAKE	LR	21 59 00.0 +1.0
	comp=Z,3µm,19.0s				
<b>WB6</b>	<b>Warramunga Arr</b>	32.42 201	PFAKE	LR	21 59 00.0 +9.4
	comp=Z,3µm,19.0s				
<b>WB5</b>	<b>Warramunga Arr</b>	32.45 201	PFAKE	LR	21 59 00.0 +9.2
	comp=Z,3µm,19.0s				
<b>WR0</b>	<b>Warramunga Arr</b>	32.46 201	PFAKE	LR	21 59 00.0 +9.1
	comp=Z,2µm,19.0s				
<b>WR9</b>	<b>Warramunga Arr</b>	32.47 201	PFAKE	LR	21 59 00.0 +9.0
	comp=Z,2µm,19.0s				
<b>WR8</b>	<b>Warramunga Arr</b>	32.47 201	PFAKE	LR	21 59 00.0 +9.0
	comp=Z,3µm,21.0s				
<b>WB4</b>	<b>Warramunga Arr</b>	32.47 201	PFAKE	LR	21 59 00.0 +9.0
	comp=Z,3µm,20.0s				
<b>WR7</b>	<b>Warramunga Arr</b>	32.48 201	PFAKE	LR	21 59 00.0 +8.9
	comp=Z,2µm,18.0s				
<b>WR6</b>	<b>Warramunga Arr</b>	32.49 201	PFAKE	LR	21 59 00.0 +8.9
	comp=Z,3µm,18.0s				
<b>WC2</b>	<b>Warramunga Arr</b>	32.49 201	PFAKE	LR	21 59 00.0 +8.8
	comp=Z,3µm,19.0s				
<b>WR5</b>	<b>Warramunga Arr</b>	32.49 201	PFAKE	LR	21 59 00.0 +8.8
	comp=Z,3µm,18.0s				
<b>WC1</b>	<b>Warramunga Arr</b>	32.50 201	PFAKE	LR	21 59 00.0 +8.8
	comp=Z,2µm,19.0s				
<b>WR4</b>	<b>Warramunga Arr</b>	32.50 201	PFAKE	LR	21 59 00.0 +8.8
	comp=Z,3µm,18.0s				
<b>WRAB</b>	<b>Tennant Creek</b>	32.50 201c	iP	P	21 58 50.8 -0.5
	comp=Z,1.24nm,1.2s				
<b>WRAB</b>	<b>Tennant Creek</b>	32.50 201	eP	P	21 58 50.2 -1.1
	comp=Z,69nm,0.8s				
<b>WRAB</b>			LR	LR	
	comp=Z,3µm,19.0s				
<b>WR3</b>	<b>Warramunga Arr</b>	32.50 201	PFAKE	LR	21 59 00.0 +8.7
	comp=Z,3µm,18.0s				
<b>WB2</b>	<b>Warramunga Arr</b>	32.51 201	eP	P	21 58 50.2 -1.1
	comp=Z,3µm,19.0s				
<b>WR1</b>	<b>Warramunga Arr</b>	32.52 201	PFAKE	LR	21 59 00.0 +8.6
	comp=Z,3µm,19.0s				
<b>WR1</b>	<b>Warramunga Arr</b>	32.52 201	P	P	21 58 50.3 -1.2
	comp=Z,46nm,0.7s,baz=25,slow=9.9,SNR=142				
<b>WRA</b>			PcP	P	22 01 38.8 +0.7
	comp=Z,5.7nm,0.9s,baz=9.1,slow=2.8,SNR=5.5				
<b>WRA</b>			PKiKP	PKiKP	22 09 05.1 -0.6
	comp=Z,0.6nm,0.6s,baz=352,slow=1.2,SNR=7.2				
<b>WRA</b>	<b>Warramunga Arr</b>	32.52 201	iP	P	21 58 50.2 -1.2
	comp=Z,3µm,20.3s,baz=0.0,slow=37				
<b>WRA</b>			pmax	pmax	
<b>WC3</b>	<b>Warramunga Arr</b>	32.52 201	eP	P	21 58 50.9 -0.5
	comp=Z,66nm,0.8s				
<b>WC4</b>	<b>Warramunga Arr</b>	32.53 201	PFAKE	LR	21 59 00.0 +8.5
	comp=Z,3µm,19.0s				
<b>NJ2</b>	<b>Nanjing</b>	33.06 314	eP	P	21 58 56.6 +0.5
	comp=Z,42nm,1.2s				
<b>NJ2</b>			S	S	22 04 14.0 -0.1
	comp=Z,2µm,15.2s				
<b>NJ2</b>			LR	LR	
	comp=Z,2µm,14.6s				
<b>NJ2</b>			LR	LR	
	comp=Z,2µm,19.5s				
<b>ASAJ</b>	<b>Asahikawa</b>	33.54 355	P	P	21 59 01.1 +1.0
	comp=Z,10nm,0.8s,baz=209,slow=8.1,SNR=4.0				
<b>ASAJ</b>	<b>Asahikawa</b>	33.54 355	eP	P	21 59 00.5 +0.4
	comp=Z,32nm,0.9s				
<b>KUR</b>	<b>Kuril'sk</b>	34.54 2	eP	P	21 59 09.8 +1.0
	comp=Z,2µm,4.9s				
<b>KUR</b>			S	S	22 04 37.6 +0.9
	comp=Z,2µm,4.9s				
<b>KUR</b>			MLR	MLR	
	comp=N,4µm,15.0s				
<b>KUR</b>			MLR	MLR	
	comp=E,877nm,15.0s				
<b>KUR</b>			MLR	MLR	
	comp=Z,4µm,15.0s				
<b>SBUM</b>	<b>Sibu</b>	34.68 259	eP	P	21 59 10.4 0.0
	comp=Z,64nm,1.6s				
<b>SBUM</b>			LR	LR	
	comp=Z,3µm,21.0s				
<b>VLA</b>	<b>Vladivostok</b>	34.72 341d	iP	P	21 59 11.5 +1.2
	comp=Z,177nm,1.4s				

<b>FITZ</b>	<b>Fitzroy Crossi</b>	35.00 216	P	P	21 59 12.9 -0.2
	comp=Z,14nm,1.0s,baz=42,slow=8.8,SNR=12				
<b>WHN</b>	<b>Wuhan</b>	35.62 309	iP	P	21 59 18.9 +0.6
	comp=Z,440nm,1.4s				
<b>WHN</b>			PP	PP	22 00 38.7 -0.6
	comp=Z,3µm,12.1s				
<b>WHN</b>			S	S	22 04 52.5 -1.2
	comp=Z,7µm,16.9s				
<b>WHN</b>			pmax	pmax	
	comp=Z,9µm,22.5s				
<b>USRK</b>	<b>Ussuriysk Ar.</b>	35.67 342	P	P	21 59 18.9 +0.4
	comp=Z,11nm,0.9s,baz=152,slow=8.4,SNR=18				
<b>DL2</b>	<b>Dalian</b>	35.72 326	iP	P	21 59 21.2 +2.2
	comp=Z,220nm,1.0s				
<b>DL2</b>			S	S	22 04 56.9 +2.0
	comp=Z,490nm,3.6s				
<b>DL2</b>			pmax	pmax	
	comp=Z,3µm,16.5s				
<b>DL2</b>			LR	LR	
	comp=Z,2µm,17.1s				
<b>DL2</b>			LR	LR	
	comp=Z,4µm,17.8s				
<b>EIDS</b>	<b>Eidsvold</b>	36.06 172	eP	P	21 59 21.7 -0.3
	comp=Z,46nm,0.9s				
<b>EIDS</b>			LR	LR	
	comp=Z,4µm,21.0s				
<b>QIZ</b>	<b>Qiongzong</b>	36.07 288	P	P	21 59 24.3 +2.0
	comp=Z,60nm,1.5s				
<b>QIZ</b>			SS	SS	22 05 10.5 -0.3
	comp=Z,610nm,3.6s				
<b>QIZ</b>			pmax	pmax	
	comp=Z,2µm,14.9s				
<b>QIZ</b>			LR	LR	
	comp=Z,2µm,14.5s				
<b>QIZ</b>	<b>Qiongzong</b>	36.07 288	PFAKE	LR	21 59 30.0 +7.7
	comp=Z,2µm,18.0s				
<b>AS01</b>	<b>Alice Springs</b>	36.10 199	eP	P	21 59 21.7 -0.8
	comp=Z,19nm,0.6s				
<b>AS31</b>	<b>Alice Springs</b>	36.11 199	eP	P	21 59 21.2 -1.3
	comp=Z,100nm,19.0s				
<b>ASAR</b>	<b>Alice Springs</b>	36.11 199	P	P	21 59 21.2 -1.4
	comp=Z,46nm,0.7s,baz=20,slow=6.6,SNR=169				
<b>ASAR</b>			PcP	PcP	22 01 48.8 +0.4
	comp=Z,5.9nm,0.7s,baz=34,slow=3.6,SNR=4.4				
<b>ASAR</b>			S	S	22 04 59.5 -1.8
	comp=Z,2.6nm,1.1s,baz=2.7,slow=2.1,SNR=4.7				
<b>ASAR</b>			LR	LR	22 14 43.5 +1.2
	comp=Z,4µm,20.3s,baz=21,slow=37				
<b>YSS</b>	<b>Yuzh-Sakhalins</b>	36.35 356	eP	P	21 59 40.0 +1.6
	comp=Z,30nm,1.5s				
<b>YSS</b>			pmax	pmax	
	comp=Z,3µm,20.0s				
<b>KSM</b>	<b>Kuching</b>	36.78 258	eP	P	21 59 29.2 +0.7
	comp=Z,36nm,0.9s				
<b>KSM</b>			LR	LR	
	comp=Z,2µm,22.0s				
<b>MDJ</b>	<b>Mudanjiang</b>	36.80 340	P	P	21 59 28.3 +0.1
	comp=Z,53nm,1.1s				
<b>MDJ</b>			S	S	22 05 15.7 +4.4
	comp=Z,370nm,3.8s				
<b>MDJ</b>			pmax	pmax	
	comp=Z,2µm,15.1s				
<b>MDJ</b>			LR	LR	
	comp=Z,4µm,18.9s				
<b>MDJ</b>			LR	LR	
	comp=Z,5µm,17.0s				
<b>MDJ</b>	<b>Mudanjiang</b>	36.80 340	eP	P	21 59 28.9 +0.8
	comp=Z,91nm,1.1s				
<b>MDJ</b>			LR	LR	
	comp=Z,5µm,18.0s				
<b>SNY</b>	<b>Shenyang</b>	36.90 331	iP	P	21 59 28.8 -0.3
	comp=Z,68nm,1.6s				
<b>SNY</b>			S	S	22 05 14.0 +1.0
	comp=Z,820nm,3.5s				
<b>SNY</b>			pmax	pmax	
	comp=Z,3µm,15.2s				
<b>SNY</b>			LR	LR	
	comp=Z,3µm,19.1s				
<b>SNY</b>			LR	LR	
	comp=Z,5µm,17.5s				
<b>JAGI</b>	<b>Jajag, Banyuw</b>	37.09 240	eP	P	21 59 28.8 -2.3
	comp=Z,42nm,1.2s				
<b>JAGI</b>			LR	LR	
	comp=Z,3µm,22.0s				
<b>CN2</b>	<b>Changchun</b>	37.66 335	eP	P	21 59 36.0 +0.6
	comp=Z,95nm,0.9s,baz=351,slow=7.2,SNR=32				
<b>CN2</b>			P	P	21 59 43.0 -0.9
	comp=Z,200nm,5.0s				
<b>CN2</b>			eP	eP	22 01 05.2 +2.6
	comp=Z,5µm,17.0s				
<b>CN2</b>			eS		

SUKH	comp=Z,799nm,1.6s	45.60 284	P	P	22 00 41.7 +0.8
PHET	comp=Z,25nm,0.9s,comp=Z,183nm	45.60 278	P	P	22 00 44.4 +3.4
LAMP	comp=Z,12nm,0.9s	45.65 286	P	P	22 00 43.7 +2.4
UTHA	comp=Z,12nm,0.7s,comp=Z,112nm	45.74 281	P	P	22 00 43.2 +1.1
CAN CAN	comp=Z,28nm,1.0s,comp=Z,167nm	45.74 177	eP	pmax	22 00 42.2 +0.4
CAN	comp=Z,24nm,1.0s	45.74 177	eP	P	22 00 41.5 -0.2
CAN	comp=Z,24nm,1.0s		LR	LR	
LZH	comp=Z,21nm,20.0s		LR	LR	
LZH	comp=Z,55nm,1.1s	45.92 311	eP	pmax	22 00 44.0 +0.6
LZH	comp=Z,69nm,4.4s		LR	LR	
LZH	comp=Z,3um,4.6s		LR	LR	
LZH	comp=Z,2um,4.6s		LR	LR	
TRTT	comp=Z,5um,6.9s	45.96 271	P	P	22 00 46.3 +2.5
BKNI	comp=Z,42nm,1.5s,comp=Z,919nm	46.03 260	eP	P	22 00 45.3 +0.9
SRDT	comp=Z,95nm,0.5s	46.06 280	P	P	22 00 46.7 +2.1
CM01	comp=Z,109nm,1.1s,comp=Z,4um	46.28 285	eP	P	22 00 46.7 +0.4
CM01	comp=Z,422nm,1.0s,comp=Z,55um	46.30 287	eP	P	22 00 48.4 +1.8
CM31	comp=Z,109nm,1.1s,comp=Z,4um	46.30 285	eP	P	22 00 47.2 +0.7
CMAR	comp=Z,9.9nm,0.8s,baz=88,slow=5.9,SNR=42	46.30 285	P	P	22 00 46.9 +0.4
CMAR	comp=Z,683nm,18.6s,baz=93,slow=57		LR	LR	22 21 07.9
CHTO	comp=Z,102nm,1.3s,comp=Z,2um	46.32 286	P	P	22 00 47.7 +1.1
CHTO	comp=Z,17nm,1.1s	46.32 286	eP	pmax	22 00 46.6 0.0
CHTO	comp=Z,17nm,1.1s		MLR	MLR	
CHTO	comp=Z,19nm,19.0s		LR	LR	
CHTO	comp=Z,17nm,1.1s	46.32 286	eP	P	22 00 46.6 0.0
CHTO	comp=Z,1um,19.0s	46.32 286	P	P	22 00 46.0 -0.6
CHTO	SNR=7.7		P	P	22 00 46.0 -0.6
KRAB	comp=Z,30nm,1.0s,comp=Z,345nm	46.40 271	P	P	22 00 50.1 +2.8
SURT	comp=Z,23nm,1.0s,comp=Z,326nm	46.71 272	P	P	22 00 52.2 +2.5
PKDT	comp=Z,60nm,0.9s,comp=Z,1um	47.28 271	P	P	22 00 57.7 +3.5
PSI	comp=Z,41nm,1.2s	47.53 264	eP	pmax	22 00 56.9 +0.6
PSI	comp=Z,41nm,1.2s	47.53 264	eP	pmax	22 00 56.9 +0.6
PSI	comp=Z,41nm,1.2s		ePcP	PcP	22 02 21.3 -5.1
CLNS	comp=Z,30nm,1.0s	49.00 345	eP	pmax	22 01 07.5 +0.6
CLNS	comp=N,16nm,1.0s		eP	pmax	22 02 27.7
CLNS	comp=E,7.0nm,0.9s		eS	S	22 03 00.9
CLNS	comp=Z,10.0nm,1.1s		e	S	22 08 14.3 +4.0
CLNS	comp=E,12nm,1.3s		pmax	pmax	22 10 51.5
CLNS	comp=N,21nm,1.2s		pmax	pmax	
CLNS	comp=E,446nm,12.7s		smax	smax	
CLNS	comp=N,196nm,12.5s		MLR	MLR	
CLNS	comp=Z,1um,16.0s		MLR	MLR	
CLNS	comp=N,877nm,15.0s		MLR	MLR	
MA2	comp=E,470nm,13.0s	49.00 3	P	P	22 01 07.7 +0.9
CIT	comp=Z,22nm,0.7s,baz=183,slow=13,SNR=2.9	49.07 334	eP	P	22 01 08.0 +0.5
CIT			e	P	22 02 33.0
CIT			e	P	22 04 00.5
GSI	comp=Z,256nm,1.7s	49.17 263	PFAKE	LR	22 01 20.0 +1.1
ULN	comp=Z,500nm,21.0s	49.57 326c	P	pmax	22 01 11.7 +0.1
ULN	comp=Z,64nm,1.1s	49.57 326	eP	P	22 01 11.8 +0.3
ULN	comp=Z,127nm,1.3s		eS	LR	22 08 15.6 -3.2
ULN	comp=Z,5um,19.0s	49.57 326	P	P	22 01 13.5 +1.9
SOMM	comp=Z,15nm,0.7s,baz=140,slow=8.1,SNR=61	49.92 326	P	P	22 01 14.8 +0.6
SOMM	comp=Z,8.4nm,0.8s,baz=132,slow=4.4,SNR=2.0	49.92 326	eP	P	22 02 34.8 +0.5
SOM1	comp=Z,8.4nm,0.8s,baz=132,slow=4.4,SNR=2.0	50.14 313	eP	P	22 01 14.7 +0.5
GTA	comp=Z,2um,20.9s		pP	pP	22 01 16.2 +0.2
GTA	comp=Z,2um,20.9s		pP	pP	22 01 23.5 -1.0
GTA	comp=Z,2um,20.9s		pP	pP	22 01 27.2 +5.1
GTA	comp=Z,2um,20.9s		pP	pP	22 02 38.5 +3.1
GTA	comp=Z,2um,20.9s		sS	sS	22 08 27.4 +0.5
GTA	comp=Z,2um,20.9s		sS	sS	22 08 41.6 +4.5
GTA	comp=Z,2um,20.9s		sS	sS	22 12 01.0 +0.7
GTA	comp=Z,18nm,1.1s		pmax	pmax	
GTA	comp=Z,500nm,5.1s		LR	LR	
GTA	comp=Z,1um,20.4s		LR	LR	
GTA	comp=Z,2um,19.0s		LR	LR	
GTA	comp=Z,2um,20.9s		LR	LR	
ADK	comp=Z,158nm,1.4s	51.00 29	eP	pmax	22 01 24.1 +2.0
ADK	comp=Z,158nm,1.4s	51.00 29	eP	P	22 01 24.1 +2.0
NWAO	comp=Z,45nm,1.2s	51.35 211	eP	pmax	22 01 24.8 -0.2
NWAO	comp=Z,45nm,1.2s		MLR	MLR	
NWAO	comp=Z,3um,22.0s	51.35 211	eP	P	22 01 24.8 -0.2
NWAO	comp=Z,45nm,1.2s		LR	LR	
DGPR	comp=Z,3um,22.0s	52.11 278	eP	P	22 01 30.1 -0.9
ATKA	comp=Z,89nm,0.9s	52.40 30	eP	P	22 01 34.6 +2.1
OZU	comp=Z,62nm,0.9s	52.42 152	eP	P	22 01 35.7 +2.8
OZU	comp=Z,2um,19.0s		LR	LR	
SEY	comp=Z,2um,19.0s	52.44 4	P	P	22 01 33.1 +0.5

SEY	comp=Z,14nm,0.9s,baz=175,slow=4.7,SNR=16	52.44 4	PFAKE	P	22 01 33.3 +0.7
RAO	comp=Z,14nm,0.9s,baz=175,slow=4.7,SNR=16	52.61 140	PFAKE	LR	22 01 50.0 +1.6
YAK	comp=Z,5um,21.0s	52.73 350	P	P	22 01 35.2 +0.3
YAK	comp=Z,86nm,0.8s,baz=34,slow=1.8,SNR=20	52.73 350	eP	P	22 01 34.1 -0.7
YAK	comp=Z,86nm,0.8s,baz=34,slow=1.8,SNR=20	52.73 350	eS	S	22 08 58.3 -3.4
YAK	comp=Z,86nm,0.8s,baz=34,slow=1.8,SNR=20		eS	S	22 12 35.8 -4.5
YAK	comp=Z,92nm,1.0s		pmax	pmax	
YAK	comp=E,9.0nm,0.9s		pmax	pmax	
YAK	comp=N,17nm,1.0s		pmax	pmax	
YAK	comp=Z,110nm,6.9s		pmax	pmax	
YAK	comp=N,40nm,6.0s		pmax	pmax	
YAK	comp=E,8.0nm,4.2s		smax	smax	
YAK	comp=E,410nm,2.1s		smax	smax	
YAK	comp=N,203nm,2.0s	52.73 350	eP	P	22 01 34.6 -0.3
ZAK	comp=N,98nm,0.7s	53.04 327	eP	pmax	22 01 37.7 +0.2
BOD	comp=Z,71nm,1.4s	53.16 339	eP	pmax	22 01 37.6 -0.5
TAU	comp=Z,96nm,1.3s	53.26 179	PFAKE	LR	22 01 50.0 +1.1
SHL	comp=Z,3um,20.0s	53.39 294	eP	P	22 01 39.9 -0.6
IRK	comp=Z,157nm,3.5s	53.57 329	eP	pmax	22 01 31.8 -9.4
LSA	comp=Z,7.0nm,1.7s	54.54 299	P	pmax	22 01 48.1 -1.2
LSA	comp=Z,34nm,1.0s	54.54 299	eP	pmax	22 01 50.1 +0.8
LSA	comp=Z,34nm,1.0s	54.54 299	eP	P	22 01 50.1 +0.8
MOY	comp=Z,165nm,3.5s	54.95 327	eP	pmax	22 01 52.1 +0.7
URZ	comp=Z,13nm,0.7s,baz=36,slow=8.7	56.54 151	P	P	22 02 02.8 0.0
URZ	comp=Z,326nm,1.8s	56.54 151	eP	P	22 02 03.0 +0.2
MXZ	comp=Z,2um,20.0s	56.57 150	PFAKE	LR	22 02 20.0 +1.7
MXZ	comp=Z,2um,19.0s	56.97 152	eP	P	22 02 06.3 +0.4
BKZ	comp=Z,52nm,1.1s		LR	LR	
UNV	comp=Z,3um,20.0s	57.16 31	eP	P	22 02 06.8 -0.2
TAPN	comp=Z,90nm,0.8s	57.28 296	eP	P	22 02 08.3 -0.4
ODAM	comp=Z,112nm,0.9s	57.52 295	eP	P	22 02 09.9 -0.5
THZ	comp=Z,2um,18.0s	57.68 31	eP	LR	22 02 11.8 +1.1
AKUT	comp=Z,384nm,1.5s	58.01 160	eP	P	22 02 12.4 -0.6
FOZ	comp=Z,141nm,1.4s		LR	LR	
FOZ	comp=Z,2um,20.0s		LR	LR	
BFZ	comp=Z,3um,18.0s	58.09 153	PFAKE	LR	22 02 30.0 +1.6
LZT	comp=Z,134nm,1.8s	58.23 158	eP	P	22 02 14.2 -0.5
RAMN	comp=Z,272nm,1.5s	58.23 295	eP	P	22 02 14.9 -0.5
KHZ	comp=Z,188nm,1.6s	58.40 156	eP	P	22 02 15.7 -0.1
RPZ	comp=Z,3um,18.0s	58.60 159	eP	P	22 02 17.4 +0.2
RPZ	comp=Z,54nm,0.8s		LR	LR	
OXZ	comp=Z,3um,21.0s	58.61 158	eP	P	22 02 16.8 -0.5
JIRN	comp=Z,44nm,0.8s	58.65 296	eP	P	22 02 18.2 -0.2
LBZ	comp=Z,528nm,0.8s	58.89 160	eP	P	22 02 19.8 +0.6
LBZ	comp=Z,63nm,1.0s		ePcP	PcP	22 03 05.3 -3.1
BILL	comp=Z,2um,22.0s	58.89 9	eP	P	22 02 18.0 -0.9
BILL			e	P	22 02 30.7
BILL			e	P	22 03 05.5
WKZ	comp=Z,15nm,1.0s	58.90 161	PFAKE	LR	22 02 30.0 +1.1
WCZ	comp=Z,2um,19.0s	58.91 163	eP	P	22 02 19.6 +0.3
GUN	comp=Z,60nm,1.0s	58.94 296	eP	P	22 02 20.2 -0.2
CRZL	comp=Z,293nm,1.2s	59.04 158	PFAKE	LR	22 02 30.0 +1.0
MLZ	comp=Z,2um,20.0s	59.11 162	eP	P	22 02 21.0 +0.2
MLZ	comp=Z,62nm,0.9s		LR	LR	
MOZ	comp=Z,1um,20.0s	59.17 158	eP	P	22 02 21.2 +0.1
MOZ	comp=Z,117nm,1.1s		LR	LR	
PKI	comp=Z,2um,20.0s	59.33 296	eP	P	22 02 22.3 -0.8
PKIN	comp=Z,177nm,1.6s	59.34 296	eP	P	22 02 22.2 -0.9
PKIN	comp=Z,177nm,1.6s	59.42 164	eP	P	22 02 23.1 +0.3
WHZ	comp=Z,244nm,1.8s	59.46 296	eP	P	22 02 23.2 -0.7
WHZ	comp=Z,44nm,0.9s	59.53 163	eP	P	22 02 23.9 +0.3
DMN	comp=Z,44nm,0.9s	59.60 296	eP	P	22 02 24.2 -0.7
ODZ	comp=Z,34nm,1.3s	59.62 160	eP	LR	22 02 24.8 +0.5
GKN	comp=Z,2um,22.0s	60.05 296	eP	P	22 02 27.1 -0.7
WMQ	comp=Z,2um,22.0s	60.14 315	P	P	22 02 28.6 +0.5
WMQ	comp=Z,2um,22.0s		pP	pP	22 02 34.1 -2.6
WMQ	comp=Z,2um,22.0s		pP	pP	22 02 39.2 +4.8
WMQ	comp=Z,2um,22.0s		pP	pP	22 04 41.9 +1.1
WMQ	comp=Z,2um,22.0s		sS	sS	22 10 41.4 +0.7
WMQ	comp=Z,2um,22.0s		ScS	ScS	22 12 11.8 -6.0
WMQ	comp=Z,63nm,1.3s		pmax	pmax	
WMQ	comp=Z,680nm,3.7s		LR	LR	
WMQ	comp=Z,2um,14.9s		LR	LR	
WMQ	comp=Z,3um,14.9s		LR	LR	
CHLP	comp=Z,2um,16.3s	60.42 285	eP	P	22 02 28.6 -1.7
CHLP	comp=Z,25nm,0.8s		eS	S	22 02 35.6
CHLP	comp=Z,25nm,0.8s		eS	S	22 10 43.8 -1.0
CHLP	comp=Z,25nm,0.8s		IVMs_BB	IVMs_BB	22 45 20.2
DANN	comp=Z,293nm,11.9s	60.84 297	eP	P	22 02 33.1 -0.3
SDPT	comp=Z,134nm,0.6s	60.96 32	eP	P	22 02 32.7 -0.6

VIS	comp=Z,4.5nm,0.6s,baz=186,slow=4.8,SNR=15	61.15 284	eP	P	22 02 35.3 0.0
TIXI	comp=Z,4.5nm,0.6s,baz=186,slow=4.8,SNR=15	61.93 354	P	P	22 02 37.6 -2.0
TIXI	comp=Z,21nm,1.2s	61.93 354	eP	pmax	



BMO	comp=Z,3.5nm,0.5s,baz=12,slow=6.6,SNR=14	87.17	45	eP	P	22 05 07.4 +0.6
BMO	Blue Mountains					
BMO	comp=Z,37nm,1.2s	87.17	45	eP	P	22 05 07.4 +0.6
BMO	Blue Mountains					
SPB1	Spitsbergen Ar	87.19	351	eP	P	22 05 08.2 +2.0
SPB5	Spitsbergen Ar	87.19	351	eP	P	22 05 07.2 +1.1
SPA1	Spitsbergen Ar	87.20	351	eP	P	22 05 07.0 +0.9
SPA2	Spitsbergen Ar	87.20	351	eP	P	22 05 07.7 +1.6
SPB2	Spitsbergen Ar	87.20	351	eP	P	22 05 07.3 +1.1
SPB3	Spitsbergen Ar	87.20	351	eP	P	22 05 07.0 +0.9
SPB4	Spitsbergen Ar	87.20	351	eP	P	22 05 07.3 +1.1
SPB5	Spitsbergen Ar	87.20	351	eP	P	22 05 06.8 +0.7
KBS	Spitsbergen Ar	87.20	351	eP	P	22 05 07.7 +1.6
KBS	Kingsbay	87.33	352	eP	P	22 05 08.4 +1.6
KBS	comp=Z,227nm,1.8s	87.33	352	eP	P	22 05 08.4 +1.6
KBS	Kingsbay					
LVZ	comp=Z,227nm,1.8s	88.14	339	PF	LR	22 05 20.0 +9.1
LVZ	Lovozero					
BMN	comp=Z,21um,20.0s	88.17	49	eP	P	22 05 12.7 +0.9
BMN	Battle Mountai					
BMN	comp=Z,25nm,1.4s	88.17	49	eP	P	22 05 12.7 +0.9
BMN	Battle Mountai					
OSI	comp=Z,11um,20.0s	88.19	55	eP	P	22 05 12.6 +0.7
OSI	Osito Audit: C					
OSI	comp=Z,102nm,1.8s					
BSMT	comp=Z,21um,20.0s	88.21	42	eP	P	22 05 12.7 +0.9
BSMT	Bassoo Peak					
TMCR	comp=Z,22nm,1.1s	88.28	335	eP	P	22 05 06.6 -4.9
TMCR	Tamitsa					
CWC	comp=Z,22nm,1.1s	88.34	53	P	P	22 05 13.7 +1.1
CWC	Cottonwood Cr					
VNDA	comp=Z,40.5nm,1.2s,baz=40,slow=5.7,SNR=7.1	88.42	177	eP	P	22 05 08.0 -3.8
VNDA	Vanda					
VNDA	comp=Z,21um,20.0s	88.42	177	eP	P	22 05 11.6 -0.2
VNDA	Vanda					
BLMT	comp=Z,7.3nm,1.0s	88.45	42	eP	P	22 05 13.5 +0.5
BLMT	Blacktail Moun					
WALA	comp=Z,4.5nm,1.5s	88.48	40	eP	P	22 05 14.7 +1.7
WALA	Waterton Lakes					
MFID	comp=Z,49nm,1.1s	88.53	46	eP	P	22 05 14.4 +1.0
MFID	Camas Ranch					
CIS	comp=Z,21um,22.0s	88.59	56	P	P	22 05 15.0 +0.8
CIS	Catalina Islan					
APA	comp=Z,7.0nm,0.7s	88.71	339	iP	P	22 05 20.7 +7.2
APA	Apattity					
YBMT	comp=Z,21um,20.0s	88.71	42	eP	P	22 05 14.7 +0.6
YBMT	Yellow Bay					
PASC	comp=Z,22nm,1.0s	88.72	56	eP	P	22 05 14.1 -0.2
PASC	Padadena Art C					
EDW2	comp=Z,21um,20.0s	88.73	55	P	P	22 05 15.6 +1.2
EDW2	Edwards Air Fo					
DAC	comp=Z,37nm,1.4s	88.76	53	eP	P	22 05 15.9 +1.2
DAC	Darwin (Calif)					
DAC	comp=Z,37nm,1.4s	88.76	53	eP	P	22 05 15.9 +1.2
DAC	Darwin (Calif)					
GRAC	comp=Z,37nm,1.4s	88.78	53	P	P	22 05 16.0 +1.4
GRAC	Grapevine Rang					
KLMR	comp=Z,26nm,1.1s	88.79	332	eP	P	22 05 11.6 -2.4
KLMR	Klimovskoe					
SWMT	comp=Z,21um,20.0s	88.81	42	eP	P	22 05 15.1 +0.6
SWMT	Swartz Lake					
MWC	comp=Z,65nm,0.6s	88.81	56	eP	P	22 05 15.9 +0.9
MWC	Mount Wilson					
MWC	comp=Z,21um,20.0s	88.81	56	eP	P	22 05 15.9 +0.9
MWC	Mount Wilson					
LRMC	comp=Z,21um,20.0s	88.85	54	P	P	22 05 16.5 +1.4
LRMC	Laurel Mtn Rad					
MPMC	comp=Z,21um,20.0s	88.88	54	P	P	22 05 16.4 +1.1
MPMC	Manual Prospec					
MSO	comp=Z,24nm,1.3s	89.01	43	PF	LR	22 05 30.0 +1.4
MSO	Missoula					
SBA	comp=Z,11um,21.0s	89.06	176	eP	P	22 05 16.4 +1.6
SBA	Scott Base					
SBA	comp=Z,24nm,1.4s	89.06	176	eP	P	22 05 16.4 +1.6
SBA	Scott Base					
SLMT	comp=Z,24nm,1.4s	89.21	42	eP	P	22 05 17.0 +0.5
SLMT	Seeley Lake					
FURC	comp=Z,24nm,1.4s	89.29	53	P	P	22 05 18.3 +1.4
FURC	Furnace Creek,					
CHMT	comp=Z,283	89.45	42	eP	P	22 05 17.6 -0.2
CHMT	Chamberlain Mo					
HLID	comp=Z,27nm,1.1s	89.49	46	eP	P	22 05 18.8 +0.8
HLID	Hailey					
HLID	comp=Z,27nm,1.1s	89.49	46	eP	P	22 05 19.0 +1.1
HLID	Hailey					
GSC	comp=Z,19nm,1.9s	89.59	54	P	P	22 05 19.6 +1.1
GSC	Goldstone, Bar					
GSC	comp=Z,24nm,1.3s	89.59	54	eP	P	22 05 19.8 +1.3
GSC	Goldstone, Bar					
GSC	comp=Z,11um,19.0s	89.59	54	eP	P	22 05 19.8 +1.3
GSC	Goldstone, Bar					
TPNV	comp=Z,11um,19.0s	89.67	53	P	P	22 05 19.8 +0.9
TPNV	Topopah Spring					
TPNV	comp=Z,23nm,1.0s	89.67	53	eP	P	22 05 19.4 +0.5
TPNV	Topopah Spring					
TPNV	comp=Z,22nm,1.0s	89.67	53	eP	P	22 05 19.4 +0.5
TPNV	Topopah Spring					
KEV	comp=Z,21um,20.0s	89.75	342	PF	LR	22 05 30.0 +1.2
KEV	Kevo					
R11A	comp=Z,21um,20.0s	89.86	51	P	P	22 05 21.3 +1.5
R11A	Troy Canyon, C					
R11A	comp=Z,56nm,1.6s	89.86	51	eP	P	22 05 20.9 +1.1
R11A	Troy Canyon, C					
PFO	comp=Z,11um,20.0s	90.24	56	P	P	22 05 21.8 +0.2
PFO	Pinyon Flats O					
PFO	comp=Z,5.0nm,0.7s,baz=295,slow=3.9,SNR=5.1	90.24	56	P	P	22 05 22.1 +0.5
PFO	Pinyon Flats O					
PFO	comp=Z,16nm,1.2s	90.24	56	eP	P	22 05 22.4 +0.8
PFO	Pinyon Flats O					
PFO	comp=Z,21um,18.0s	90.24	56	eP	P	22 05 22.4 +0.8
PFO	Pinyon Flats O					
PFO	comp=Z,16nm,1.2s	90.24	56	eP	P	22 05 22.4 +0.8
PFO	Pinyon Flats O					
XPFO	comp=Z,17nm,1.2s	90.26	44	eP	P	22 05 22.6 +1.0
XPFO	McKenzie Canyo					
LRM	comp=Z,21um,20.0s	90.27	43	eP	P	22 05 22.4 +0.8
LRM	Limekiln Ridge					
BAR	comp=Z,21um,20.0s	90.27	57	PF	LR	22 05 30.0 +8.4
BAR	Barrett					
DLMT	comp=Z,22nm,1.4s	90.29	44	eP	P	22 05 23.7 +2.1
DLMT	Dillon					
ARCES	comp=Z,3.7nm,0.6s,baz=46,slow=5.2,SNR=20.0	90.31	342	P	P	22 05 21.0 0.0
ARCES	ARCES Array B					
ARCES	comp=Z,3.7nm,0.6s,baz=46,slow=5.2,SNR=20.0	90.31	342	P	P	22 05 21.0 0.0
ARCES	ARCES Array S					
AREO	comp=Z,21um,22.0s	90.43	57	P	P	22 05 23.6 +1.0
AREO	Monument Peak					

HRV	comp=Z,283	90.44	42	eP	P	22 05 23.6 +1.3
HRV	Holler Researc					
BELC	comp=Z,53	90.53	56	P	P	22 05 23.7 +0.8
BELC	Belle Mtn. Jos					
SHPR	comp=Z,41nm,1.4s	90.62	53	eP	P	22 05 25.1 +1.8
SHPR	Sheep Range					
GMRC	comp=Z,55	90.62	55	P	P	22 05 24.0 +0.7
GMRC	Granite Mounta					
TULEE	comp=Z,90.63	90.63	63	eP	P	22 05 24.6 +2.3
TULEE	Tule					
BOZ	comp=Z,25nm,1.3s	90.89	43	P	P	22 05 24.8 +0.4
BOZ	Bozeman (W)					
BOZ	comp=Z,25nm,1.3s	90.89	43	eP	P	22 05 25.4 +1.0
BOZ	Bozeman (W)					
BOZ	comp=Z,35nm,1.5s					
BOZ	Bozeman (W)					
BOZ	comp=Z,35nm,1.5s	90.89	43	eP	P	22 05 25.4 +1.0
BOZ	Bozeman (W)					
LDFC	comp=Z,90.99	90.99	54	eP	P	22 05 25.3 +0.2
LDFC	Landfair					
LDFC	comp=Z,38nm,0.4s					
LDFC	Landfair					
BC3	comp=Z,91.05	91.05	56	P	P	22 05 26.2 +0.9
BC3	Big Chuckawall					
HVU	comp=Z,86nm,1.7s	91.11	47	eP	P	22 05 27.1 +1.6
HVU	Hansel Valley					
HVU	comp=Z,86nm,1.7s	91.11	47	eP	P	22 05 27.1 +1.6
HVU	Hansel Valley					
PSUT	comp=Z,91.14	91.14	51	eP	P	22 05 26.9 +1.2
PSUT	Pine Spring					
BGU	comp=Z,91.15	91.15	48	eP	P	22 05 26.9 +1.2
BGU	Big Grassy Mou					
IRM	comp=Z,91.18	91.18	55	P	P	22 05 26.6 +0.8
IRM	Iron Mountain					
QLMT	comp=Z,91.23	91.23	44	eP	P	22 05 27.9 +1.8
QLMT	Earthquake Lak					
YHB	comp=Z,91.42	91.42	44	eP	P	22 05 29.0 +2.0
YHB	Horse Butte					
EGMT	comp=Z,91.42	91.42	41	P	P	22 05 27.2 +0.5
EGMT	Eagleton					
EGMT	comp=Z,91.42	91.42	41	eP	P	22 05 27.4 +0.7
EGMT	Eagleton					
SPUT	comp=Z,91.47	91.47	48	eP	P	22 05 28.6 +1.4
SPUT	South Promonto					
DUG	comp=Z,91.50	91.50	49	P	P	22 05 28.5 +1.1
DUG	Dugway, Tooele					
DUG	comp=Z,91.50	91.50	49	eP	P	22 05 28.4 +1.1
DUG	Dugway, Tooele					
DUG	comp=Z,39nm,1.4s					
DUG	Dugway, Tooele					
DUG	comp=Z,39nm,1.4s	91.50	49	eP	P	22 05 28.4 +1.0
DUG	Dugway, Tooele					
MOS	comp=Z,91.52	91.52	328	eP	P	22 05 29.2 +2.4
MOS	Moscow					
MOS	comp=E,21um,18.0s					

9d 21h

KIEV KIEV	comp=Z,2j,m,19.0s	98.21 325	PFAKE LR	22 06 10.0 +12
AK11 125A 125A	comp=Z,2j,m,19.0s Melin Array Si Trinidad	98.24 325 98.69 50	eP PFAKE LR	22 05 55.5 -2.2 22 06 10.0 +10
EPT EPT	comp=Z,1j,m,20.0s	98.81 55	PFAKE LR	22 06 10.0 +9.1
ULM	comp=Z,1j,m,19.0s Lac du Bonnet	98.95 35	LR LR	22 44 46.2
OGNE OGNE	comp=Z,2j,m,21.6s,baz=297,slow=32	99.03 45	PFAKE LR	22 06 10.0 +8.4
KSCO KSCO	comp=Z,2j,m,22.0s	99.33 47	PFAKE LR	22 06 20.0 +17
ILGA ILGA	comp=Z,2j,m,22.0s	99.49 315	PFAKE LR	22 06 20.0 +16
MNTX MNTX	comp=Z,1j,m,19.0s	99.75 55	PFAKE LR	22 06 20.0 +15
AGMN AGMN	comp=Z,1j,m,19.0s	99.88 37	PFAKE LR	22 06 20.0 +15
BRTR	comp=Z,2j,m,20.0s Kesklin Array B	100.06 314	P Pdif	22 06 04.6 -1.7
NC405 NB2	comp=Z,0.6nm,0.6s,baz=77.6,slow=3.3,SNR=3.3	100.07 339	ePdif PP	22 06 05.1 -0.5 22 10 07.0 -5.2
NB2	comp=Z,2.2nm,1.7s,baz=45,slow=7.9	100.29 340	PP	22 10 07.0 -5.2
NOA	comp=Z,2.3nm,1.0s,baz=44,slow=8.3,SNR=3.1	100.29 340	P Pdif	22 06 05.8 -0.9
NOA	comp=Z,1.0nm,0.9s,baz=50,slow=4.9,SNR=3.3	100.45 180	ePdif PP	22 10 08.8 -3.4
QSPA QSPA	comp=Z,2j,m,20.0s	100.45 180	ePdif PP	22 06 07.6 +0.3
ANTO ANTO	comp=Z,1j,m,20.0s	100.60 314	PFAKE LR	22 06 20.0 +11
HPIG HPIG	comp=Z,1j,m,22.0s	101.00 60	PFAKE LR	22 06 20.0 +9.2
MSTX	comp=Z,1j,m,21.0s	101.05 52	PFAKE LR	22 06 20.0 +9.2
CBKS CBKS	comp=Z,2j,m,20.0s	101.49 47	PFAKE LR	22 06 20.0 +7.5
AMTX AMTX	comp=Z,1j,m,21.0s	101.56 51	PFAKE LR	22 06 30.0 +17
TIRR TIRR	comp=Z,1j,m,22.0s	101.58 320	PFAKE LR	22 06 20.0 +7.3
BUR04 CSS	comp=Z,2j,m,18.0s	102.00 324	ePdif PFAKE LR	22 06 14.1 -0.6 22 06 30.0 +15
BOLV BOLV	comp=Z,300nm,20.0s	102.37 314	PFAKE LR	22 06 30.0 +13
MLR MLR	comp=Z,1j,m,20.0s	102.63 321	PFAKE LR	22 06 30.0 +12
UZH SPMN	comp=Z,2j,m,20.0s	103.13 326	eP Pdif	22 06 21.0 +1.5 22 06 30.0 +10
KSU1 KSU1	comp=Z,2j,m,20.0s	103.58 45	PFAKE LR	22 06 30.0 +8.2
WMOK WMOK	comp=Z,3j,m,22.0s	103.82 50	PFAKE LR	22 06 40.0 +17
RGN RGN	comp=Z,1j,m,22.0s	103.96 334	PFAKE LR	22 06 30.0 +7.0
ABTX	comp=Z,1j,m,21.0s	103.98 53	PFAKE LR	22 06 40.0 +16
AKAS AKAS	comp=Z,1j,m,20.0s	104.38 312	PFAKE LR	22 06 40.0 +14
SCIA SCIA	comp=Z,900nm,20.0s	104.59 42	PFAKE LR	22 06 40.0 +14
JCT JCT	comp=Z,2j,m,21.0s	104.66 55	PFAKE LR	22 06 40.0 +13
OKC	comp=Z,2j,m,19.0s	104.66 328	AMS AMS	22 57 50.0
U35A U35A	comp=Z,2j,m,20.0s	104.67 48	PFAKE LR	22 06 40.0 +13
V35A V35A	comp=Z,1j,m,19.0s	104.85 49	PFAKE LR	22 06 40.0 +13
PSZ PSZ	comp=Z,1j,m,19.0s	104.86 326	PFAKE LR	22 06 40.0 +13
ZAIG ZAIG	comp=Z,2j,m,18.0s	104.97 63	PFAKE LR	22 11 00.0
MORC MORC	comp=Z,1j,m,22.0s	105.01 328	PFAKE LR	22 10 50.0
W35A W35A	comp=Z,8j,m,21.0s	105.08 49	PFAKE LR	22 11 00.0
KRLC DPC	comp=Z,2j,m,22.0s	105.22 329	ePP PP	22 10 50.9 +1.5 22 10 51.3 +1.5
UPC	comp=Z,2j,m,20.0s	105.34 330	AMS AMS	22 59 10.0
V36A V36A	comp=Z,2j,m,18.3s	105.50 48	PFAKE LR	22 11 00.0
TUL1 TUL1	comp=Z,900nm,21.0s	105.55 48	PFAKE LR	22 11 00.0
VTS VTS	comp=Z,1j,m,19.0s	105.79 320	PFAKE LR	22 11 00.0
WHTX WHTX	comp=Z,2j,m,21.0s	105.93 52	PFAKE LR	22 11 00.0
JFWS JFWS	comp=Z,1j,m,19.0s	105.98 40	PFAKE LR	22 11 00.0
PVCC	comp=Z,2j,m,21.0s	106.03 330	AMS AMS	23 00 20.0
BRG BRG	comp=Z,2j,m,18.2s	106.11 331	ePKP PP	22 10 55.1 -0.7 22 20 17.0 +3.0
BRG	comp=N,818nm,17.6s comp=E,958nm,19.1s comp=Z,1j,m,16.5s	106.15 49	SDIFF PFAKE LR	22 11 00.0
W37B W37B	comp=Z,1j,m,20.0s	106.27 332	eP Pdif	22 06 36.0 +2.6 22 10 55.0
CLL CLL	comp=Z,157nm,1.7s		pmax pmax	
CLL CLL	comp=Z,2j,m,19.8s	106.27 332	ePdif PP	22 06 36.0 +2.6 22 10 55.0 -2.0
CLL CLL	comp=Z,20nm,1.7s		ePS ePPS eSS Lm	22 20 16.0 +0.4 22 21 08.0 22 26 06.0 +8.4 22 58 00.0
CLL CLL	comp=Z,2j,m,19.8s	106.27 332	PFAKE LR	22 11 00.0
GOPC	comp=Z,2j,m,19.0s	106.32 330	AMS AMS	23 00 00.0
TREC PRA	comp=Z,1j,m,19.3s	106.36 329	ePP PP	22 11 00.2 +2.4 23 00 10.0

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PRU PRU	comp=Z,2j,m,17.9s	106.40 330	ePP AMS	22 10 58.8 +0.8 23 00 00.0
KARP KARP	comp=Z,2j,m,19.1s	106.46 312	PFAKE LR	22 11 00.0
HHAR HHAR	comp=Z,300nm,20.0s	106.73 47	PFAKE LR	22 11 00.0
735A LNIG	comp=Z,2j,m,20.0s	106.87 55	ePdif PFAKE LR	22 06 34.5 -2.1 22 11 00.0
CONA	comp=Z,1j,m,22.0s	107.03 328	PP PP	22 11 04.3 +1.5
MOIG MOIG	comp=Z,24nm,1.5s	107.16 66	PFAKE LR	22 11 00.0
NKC	comp=Z,2j,m,22.0s	107.25 331	AMS AMS	22 58 40.0
SANT SANT	comp=Z,1j,m,19.1s	107.32 313	PFAKE LR	22 11 00.0
KHC KHC	comp=Z,700nm,22.0s	107.43 330	ePP AMS	22 11 03.9 -1.7 23 00 50.0
KHC KHC	comp=Z,1j,m,19.0s	107.43 330	PFAKE LR	22 11 00.0
736A 736A	comp=Z,600nm,18.0s	107.43 55	PFAKE LR	22 11 00.0
JROG JROG	comp=Z,2j,m,20.0s	107.50 64	PFAKE LR	22 00 50.0
GERES MIAR	comp=Z,2j,m,21.0s	107.55 329	PP PP	22 11 04.0 -2.6
MIAR MIAR	comp=Z,0.5nm,0.8s,baz=50,slow=5.2,SNR=3.6	107.78 49	PFAKE LR	22 11 00.0
CCM CCM	comp=Z,1j,m,20.0s	107.79 44	PFAKE LR	22 11 00.0
HDIL HDIL	comp=Z,1j,m,20.0s	107.82 41	PFAKE LR	22 11 00.0
HKT HKT	comp=Z,2j,m,19.0s	108.03 54	PFAKE LR	22 11 00.0
SLM SLM	comp=Z,1j,m,18.0s	108.19 43	PFAKE LR	22 11 00.0
NATX NATX	comp=Z,1j,m,22.0s	108.19 52	PFAKE LR	22 11 00.0
AGG AGG	comp=Z,2j,m,21.0s	108.19 317	PFAKE LR	22 11 00.0
GRFO GRFO	comp=Z,3j,m,19.0s	108.20 331	PFAKE LR	22 11 00.0
BLY BLY	comp=Z,2j,m,19.0s	108.23 324	PFAKE LR	22 11 00.0
IDI IDI	comp=Z,500nm,20.0s	108.23 313	PFAKE LR	22 11 00.0
SOKA	comp=Z,1.1nm,1.7s	108.25 327	i PP PP	22 11 14.0 +2.3
X301 X301	comp=Z,1j,m,21.0s	108.32 47	PFAKE LR	22 11 00.0
WHAR WHAR	comp=Z,1j,m,21.0s	108.38 47	PFAKE LR	22 11 00.0
FVM FVM	comp=Z,2j,m,22.0s	108.39 44	PFAKE LR	22 11 00.0
WLAR WLAR	comp=Z,1j,m,21.0s	108.51 49	PFAKE LR	22 11 00.0
TIR TIR	comp=Z,2j,m,21.0s	108.56 320	PFAKE LR	22 11 00.0
UALR UALR	comp=Z,3j,m,21.0s	108.58 48	PFAKE LR	22 11 00.0
OBKA	comp=Z,2j,m,22.0s	108.61 327	i PP PP	22 11 15.4 +1.0
PBMO PBMO	comp=Z,18nm,1.5s	108.98 45	PFAKE LR	22 11 00.0
MYKA	comp=Z,1j,m,22.0s	109.02 328	i PP PP	22 11 20.4 +3.0
UNM UNM	comp=Z,2.2nm,1.6s	109.07 65	PFAKE LR	22 11 00.0
SCHO SCHO	comp=Z,2j,m,21.0s	109.14 20	PFAKE LR	22 11 00.0
SFIN SFIN	comp=Z,1j,m,21.0s	109.33 40	PFAKE LR	22 11 00.0
HBAR HBAR	comp=Z,2j,m,21.0s	109.42 46	PFAKE LR	22 11 00.0
PARMO PARMO	comp=Z,2j,m,22.0s	109.51 45	PFAKE LR	22 11 00.0
TRI TRI	comp=Z,1j,m,22.0s	109.54 327	PFAKE LR	22 11 00.0
OLIL OLIL	comp=Z,2j,m,19.0s	109.57 42	PFAKE LR	22 11 00.0
WATA	comp=Z,1j,m,20.0s	109.62 329	i PP PP	22 11 20.0 -1.7
WTTA	comp=Z,1.1nm,1.2s	109.64 329	ePP PP	22 11 23.2 +1.3
PVMO PVMO	comp=Z,1.6nm,1.3s	109.67 45	PFAKE LR	22 11 00.0
STU STU	comp=Z,2j,m,22.0s	109.80 331	PFAKE LR	22 11 00.0
MOTA	comp=Z,1j,m,18.0s	109.85 329	i PP PP	22 11 21.0 -2.4
GLAT GLAT	comp=Z,8.3nm,1.1s	110.03 45	PFAKE LR	22 11 00.0
MET MET	comp=Z,2j,m,21.0s	110.15 46	PFAKE LR	22 11 00.0
HALT HALT	comp=Z,2j,m,20.0s	110.18 45	PFAKE LR	22 11 00.0
FETA FETA	comp=Z,2j,m,21.0s	110.26 329	PP PP	22 11 24.0 -2.4
AAM AAM	comp=Z,1.0nm,1.3s	110.35 37	PFAKE LR	22 11 00.0
BLO BLO	comp=Z,2j,m,22.0s	110.36 41	PFAKE LR	22 11 10.0
BFO BFO	comp=Z,2j,m,22.0s	110.52 331	PFAKE LR	22 11 00.0
WLF WLF	comp=Z,2j,m,19.0s	110.54 334	PFAKE LR	22 11 00.0
FUORN FUORN	comp=Z,1j,m,21.0s	110.77 329	PFAKE LR	22 11 10.0
OXF OXF	comp=Z,2j,m,21.0s	110.83 47	PFAKE LR	22 11 10.0
WCI WCI	comp=Z,1j,m,21.0s	111.03 42	PFAKE LR	22 11 10.0
WVT WVT	comp=Z,1j,m,20.0s	111.12 45	PFAKE LR	22 11 10.0
VBMS VBMS	comp=Z,1j,m,20.0s	111.12 49	PFAKE LR	22 11 10.0

TUE TUE	Stuetta	111.33 330	PFAKE LR	22 11 10.0
SADO SADO	comp=Z,2j,m,20.0s	111.35 33	PFAKE LR	22 11 10.0
LVIG LVIG	comp=Z,1j,m,20.0s	111.39 64	PFAKE LR	22 11 10.0
PLAL PLAL	comp=Z,1j,m,22.0s	111.54 46	PFAKE LR	22 11 10.0
CUC CUC	comp=Z,2j,m,21.0s	111.86 321	PFAKE LR	22 11 10.0
AQU AQU	comp=Z,1j,m,19.0s	111.87 324	PFAKE LR	22 11 10.0
ACSO ACSO	comp=Z,2j,m,20.0s	111.99 39	PFAKE LR	22 11 10.0
VLC VLC	comp=Z,2j,m,22.0s	112.37 327	PFAKE LR	22 11 10.0
SEMIN SEMIN	comp=Z,1j,m,21.0s	112.41 330	PFAKE LR	22 11 10.0
ERPA ERPA	comp=Z,1j,m,19.0s	112.60 36	PFAKE LR	22 11 10.0
ALLY ALLY	comp=Z,2j,m,22.0s	112.81 36	PFAKE LR	22 11 10.0
SWET SWET	comp=Z,6j,m,21.0s	112.91 45	PFAKE LR	22 11 10.0
LRLAL LRLAL	comp=Z,1j,m,21.0s	113.31 47	PFAKE LR	22 11 10.0
BNI BNI	comp=Z,2j,m,22.0s	113.66 330	PFAKE LR	22 11 10.0
CPCT CPCT	comp=Z,2j,m,20.0s	113.75 44	PFAKE LR	22 11 10.0
TKL TKL	comp=Z,1j,m,22.0s	114.14 43	PFAKE LR	22 11 10.0 +10
FRNY FRNY	comp=Z,1j,m,22.0s	114.15 30	PFAKE LR	22 11 10.0 +10
BRAL BRAL	comp=Z,2j,m,21.0s	114.22 49	PFAKE LR	22 11 10.0 +10
MCWV MCWV	comp=Z,1j,m,20.0s	114.25 38	PFAKE LR	22 11 10.0 +10
SSPA SSPA	comp=Z,1j,m,20.0s	114.77 36	PFAKE LR	22 11 10.0 +8.7
BINY BINY	comp=Z,1j,m,21.0s	114.78 33	PFAKE LR	22 11 10.0 +8.7
VT1 VT1	comp=Z,2j,m,20.0s	114.93 30	PFAKE LR	22 11 10.0 +8.5
CLTB CLTB	comp=Z,2j,m,21.0s	114.94 320	PFAKE LR	22 11 10.0 +8.2
BG3 BG3	comp=Z,2j,m,20.0s	115.08 43	PFAKE LR	22 11 10.0 +8.0
KSPA KSPA	comp=Z,1j,m,22.0s	115.33 34	PFAKE LR	22 11 10.0 +7.7
BLA BLA	comp=Z,2j,m,20.0s	115.41 40	PFAKE LR	22 11 10.0 +7.3
GOGA GOGA	comp=Z,1j,m,20.0s	115.60 45	PFAKE LR	22 11 20.0 +17
TRY TRY	comp=Z,1j,m,20.0s	115.63 32	PFAKE LR	22 11 10.0 +7.2
HODGE HODGE	comp=Z,1j,m,21.0s	115.97 44	PFAKE LR	22 11 20.0 +16
VSL VSL	comp=Z,1j,m,20.0s	116.04 324	PFAKE LR	22 11 20.0 +16
KMSC KMSC	comp=Z,1j,m,20.0s	116.06 42	PFAKE LR	22 11 20.0 +16
MVL MVL	comp=Z,1j,m,19.0s	116.07 35	PFAKE LR	22 11 20.0 +16
FFD FFD	comp=Z,2j,m,19.0s	116.10 30	PFAKE LR	22 11 20.0 +16
SNA SNA	comp=Z,2j,m,21.0s	116.11 190	PFAKE LR	22 11 10.0 +7.0
SDMD SDMD	comp=Z,1j,m,18.0s	116.18 36	PFAKE LR	22 11 20.0 +16
WVL WVL	comp=Z,1j,m,21.0s	116.22 28	PFAKE LR	22 11 20.0 +16
SCIG SCIG	comp=Z,2j,m,22.0s	116.26 63	PFAKE LR	22 11 20.0 +15
ODNJ ODNJ	comp=Z,1j,m,21.0s	116.29 33	PFAKE LR	22 11 20.0 +16
SPRD SPRD	comp=Z,2j			

2011 NOV

92 07z +1.3

Table with columns: Station Name, Serv, Lat, Lon, Az, El, Azimuth, Elevation, and other parameters. Includes stations like SNET, DWPF, TGUH, LBTB, BOSHA, etc.

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, and other parameters. Includes stations like SPN, NLC, RUS, DALK, etc.

Table with columns: Station Name, Serv, Lat, Lon, Az, El, Azimuth, Elevation, and other parameters. Includes stations like SMKR, SRKR, BKI, PALN, SMY, etc.

ISCJ 09 22:00:56.4-0.5, 52.44N: 159.84E, h0km, mb4.8/39, mb1.4, 9/41, mb1mx4.9/47, mbtmp4.8/41, ML4.5/2, MS5.0/12, MS1.5/0/12, ms1mx4.4/37, Error ellipse: s-maj=12.3km s-min=9.5km az=158.0

ISCJ 09 22:00:58.3-10.0, 52.52N: 160.25E, h50km, 10km, ML5.9, FLETL [III-V] at Petropavlovsk, Viluchinsk, river Karimshina (stationary); [III] at Paratunka, state-farm Termalnyi, Vulkanniy, MGoesE-I; [II] at lighthouse Krugly.

ISCJ 09 22:01:02.52-91N: 159.79E, h49km, mb4.8/55, mb5.3/39, MS5.3/39, MS7.5/240, ISCJ 09 22:01:02.4-0.3, 52.37N: 02:159.97E: 02: h56km, 2km,





RLMT	Red Lodge	56.48	58	eP	P	22 10 41.4 +1.2	comp=Z,4.7nm,0.4s,baz=320,slow=2.5,SNR=5.8	PMDCI	Parker Dam,Lak	61.34	70	P	P	22 11 14.6 +0.8
FXWV	Fox Creek	56.56	60	eP	P	22 10 42.5 +1.7	comp=Z,24nm,0.9s	IKP	In-Ko-Pah, Jac	61.38	73	P	P	22 11 14.8 +0.6
KSH	Kashi	56.61	293	P	P	22 10 44.1 +2.9	comp=Z,6.9nm,0.8s	PV05	Keang Valley	61.48	64	eP	P	22 11 16.1 +1.0
KSH				pP	pP	22 10 57.0 +2.5		Y12C	Blythe	61.51	71	eP	P	22 11 15.8 +0.7
KSH				sP	sP	22 11 02.2 +2.2		Y12C	Blythe	61.51	71	eP	P	22 11 16.3 +1.3
KSH				ScP	ScP	22 11 39.1 +2.0		B35A	Littleford	61.70	47	P	P	22 11 15.6 -0.5
KSH				PP	PP	22 12 51.8 +4.7		MPSI	Mapaga	61.73	27	P	P	22 11 16.3 -0.3
KSH				PPS	PPS	22 15 36.0 +1.9		PV01	Parox Valley	61.72	64	eP	P	22 11 17.3 +0.5
KSH				S	S	22 18 29.4 -0.2		GLA	Glamis	61.84	72	P	P	22 11 18.0 +0.7
KSH				ScS	ScS	22 20 23.3 -2.9		GLA	Glamis	61.84	72	eP	P	22 11 18.5 +1.2
KSH				SS	SS	22 22 20.3 +3.3		GLA	Glamis	61.84	72	eP	P	22 11 18.5 +1.2
KSH	comp=Z,12nm,1.1s				pmax			GLA	Glamis	61.84	72	eP	P	22 11 18.5 +1.2
KSH	comp=Z,240nm,7.0s				LR	LR		SMCO	Snowmass	61.85	62	eP	P	22 11 18.1 +0.4
KSH	comp=Z,2um,15.1s				LR	LR		PHET	Kang Krachan	61.89	254	P	P	22 11 19.3 +1.6
KSH	comp=Z,950nm,13.7s				LR	LR		D34A	Park Rapids	61.99	48	P	P	22 11 18.1 0.0
KSH	comp=Z,2um,17.8s				LR	LR		E33A	West DABS, E	62.04	49	P	P	22 11 18.6 +0.2
MOOV	Moose Ponds	56.63	60	eP	P	22 10 42.2 +0.8	comp=Z,2um,1.0s	WUAZ	Wupatki	62.05	67	P	P	22 11 19.6 +0.8
TPAW	Teton Pass	56.70	61	eP	P	22 10 42.9 +1.0	comp=Z,49nm,1.8s	WUAZ	Wupatki	62.05	67	eP	P	22 11 19.2 +0.4
DGMT	Dagmar	56.75	52	P	P	22 10 42.3 +0.4	comp=Z,395nm,1.5s,comp=Z,65um	APSI	Ampana	62.08	225	P	P	22 11 16.5 -2.4
CMAI	Chiangmai2	56.77	259	P	P	22 10 44.4 +1.8	comp=Z,313	C35A	Jirik Farms, M	62.08	47	P	P	22 11 18.3 -0.4
LOHW	Long Hollow	56.80	60	eP	P	22 10 43.4 +0.8	comp=Z,29nm,1.0s	ISCO	Idaho Springs	62.13	60	P	P	22 11 20.4 +0.9
REDW	Red Top Meadow	56.84	61	eP	P	22 10 44.4 +1.5	comp=Z,14nm,1.0s	ISCO	Idaho Springs	62.13	60	eP	P	22 11 20.8 +1.3
HVU	Hansel Valley	56.88	63	eP	P	22 10 44.7 +1.6	comp=Z,24nm,1.3s	ISCO	Idaho Springs	62.13	60	eP	P	22 11 20.8 +1.3
HVU	Hansel Valley	56.88	63	eP	P	22 10 44.7 +1.6	comp=Z,16nm,0.9s	SUSA	Miller	62.16	53	P	P	22 11 19.4 +0.2
LAO	LASA Array	56.97	55	P	P	22 10 43.8 +0.3	comp=Z,16nm,0.9s	F3D7	5 Mile Ranch,	62.40	50	P	P	22 11 21.1 +0.3
LAO	LASA Array	56.97	55	eP	P	22 10 43.7 +0.2	comp=Z,29nm,1.0s	E34A	Wadena	62.42	49	P	P	22 11 21.5 +0.5
TIN	Tinemaha, Big	57.04	71	P	P	22 10 44.6 +0.3	comp=Z,29nm,1.0s	MVCO	Mesa Verde	62.44	64	P	P	22 11 21.9 +0.4
STEI	Steigen	57.15	345	eP	P	22 10 44.9 +0.6	comp=Z,314	MVCO	Mesa Verde	62.44	64	eP	P	22 11 21.7 +0.2
KKAR	Kararay Array	57.18	299	eP	P	22 10 43.3 -1.6	comp=Z,4.0nm,0.6s	D35A	Rema	62.51	48	P	P	22 11 21.4 -0.1
KKAR	Kararay Array	57.18	299	eP	P	22 10 43.3 -1.6	comp=Z,3nm,0.6s	PMG	Port Moresby	62.52	194f	eP	P	22 11 21.7 -0.1
SMMC	Simmif	57.22	73	P	P	22 10 46.3 +0.9	comp=Z,23nm,1.0s	PMG	Port Moresby	62.52	194	eP	P	22 11 21.1 -0.7
LOF	Lofoten	57.23	346	eP	IAMB	IAMB	comp=Z,23nm,1.0s	C36A	Pine Crest Far	62.55	47	P	P	22 11 21.6 -0.1
KHON	Khomkaen	57.31	253	P	P	22 10 48.5 +2.3	comp=Z,23nm,1.0s	E35A	Pequot Lakes	62.74	48	P	P	22 11 23.2 +0.1
BGU	Big Grassy Mou	57.32	64	eP	P	22 10 47.6 +1.4	comp=Z,20nm,0.8s	G33A	Ortonville	62.81	51	P	P	22 11 23.6 +0.1
SPUT	South Promonto	57.38	63	eP	P	22 10 48.3 +1.7	comp=Z,20nm,0.8s	D36A	Goodland	62.84	47	P	P	22 11 23.8 +0.1
YES	Vestal, Richgr	57.38	72	P	P	22 10 46.7 +0.2	comp=Z,20nm,0.8s	C37A	Embarrass	62.86	46	P	P	22 11 24.0 +0.1
LAMP	Lampang	57.50	258	P	P	22 10 49.2 +1.7	comp=Z,20nm,0.8s	S22A	4UR Ranch, Cre	62.96	63	eP	P	22 11 26.2 +1.1
KLMR	Klimovskoe	57.52	330	eP	P	22 10 44.2 -2.9	comp=Z,1nm,0.8s,comp=Z,96nm	S22A	4UR Ranch, Cre	62.96	63	eP	P	22 11 26.5 +1.4
KLMR	KLMR				pmax	pmax	comp=Z,16nm,0.7s	Q24A	Divide	62.98	61	P	P	22 11 25.6 +0.4
UTTA	Uttaradi	57.55	256	P	P	22 10 49.3 +1.4	comp=Z,657nm,16.0s	EYMN	Ely	63.00	46	P	P	22 11 24.6 -0.2
CWC	Cottonwood Cre	57.55	71	P	P	22 10 48.6 +0.6	comp=Z,13nm,0.8s,comp=Z,122nm	HYMN	Hasul	63.00	46	eP	P	22 11 24.6 -0.2
GRAC	Grapevine Rang	57.58	70	P	P	22 10 48.5 +0.5	comp=Z,314	E35A	Prehn Over, N	63.05	51	P	P	22 11 25.5 +0.3
PKM	McPherson Peak	57.62	74	P	P	22 10 49.0 +0.6	comp=Z,313	OBN	Obninsk	63.07	327f	eP	P	22 11 24.4 -0.6
R11A	Troy Canyon, C	57.66	68	P	P	22 10 49.4 +0.6	comp=Z,313	OBN	Obninsk	63.07	327f	eP	P	22 11 38.3 -0.3
R11A	Troy Canyon, C	57.66	68	eP	P	22 10 49.0 +0.3	comp=Z,8.4nm,0.9s	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
R1A	Chiang Mai	57.69	259	eP	P	22 10 48.8 -0.1	comp=Z,26nm,0.8s	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
CHTO	Chiang Mai	57.69	259	eP	pmax	pmax	comp=Z,138nm,1.1s	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
CHTO	Chiang Mai	57.69	259	eP	pmax	pmax	comp=Z,26nm,0.8s	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
CHTO	Chiang Mai	57.69	259	P	P	22 10 50.2 +1.4	comp=Z,26nm,0.8s	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
CHTO	Chiang Mai	57.69	259	P	P	22 10 50.2 +1.4	SNR=7.7	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
ISA	Isabella, Lake	57.87	72	P	P	22 10 49.7 -0.3	comp=Z,26nm,0.8s	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
BW06	Boulder Array	57.94	60	P	P	22 10 51.3 +0.7	comp=Z,26nm,0.8s	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
BW06	Boulder Array	57.94	60	eP	P	22 10 51.3 +0.7	comp=Z,26nm,0.8s	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
PD31	Pinedale Array	57.94	60	P	P	22 10 51.6 +1.0	comp=Z,26nm,0.8s	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
PDAR	Pinedale Array	57.94	60	P	P	22 10 51.4 +0.8	comp=Z,26nm,0.8s	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
PDAR	Pinedale Array	57.94	60	eP	P	22 10 51.6 +1.0	comp=Z,14nm,0.8s,baz=310,slow=2.7,SNR=31	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
DUG	Dugway, Tooele	57.94	65	P	P	22 10 51.2 +0.6	comp=Z,14nm,0.8s	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
DUG	Dugway, Tooele	57.94	65	eP	pmax	pmax	comp=Z,314	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
DUG	Dugway, Tooele	57.94	65	eP	pmax	pmax	comp=Z,17nm,0.9s	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
DUG	Dugway, Tooele	57.94	65	eP	pmax	pmax	comp=Z,17nm,0.9s	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
DAC	Darwin (Calif)	57.95	71	eP	pmax	pmax	comp=Z,16nm,0.9s	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
DAC	Darwin (Calif)	57.95	71	eP	pmax	pmax	comp=Z,8.0nm,1.0s	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
DAC	Darwin (Calif)	57.95	71	eP	pmax	pmax	comp=Z,7.8nm,1.0s	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
CM31	Chiang Mai Arr	57.96	258	eP	P	22 10 52.5 +1.7	comp=Z,9.0nm,0.9s,baz=292,slow=7.5,SNR=48	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
CMAR	Chiang Mai Arr	57.96	258	eP	LR	LR	comp=Z,9.0nm,0.9s,baz=292,slow=7.5,SNR=48	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
CMAR	Chiang Mai Arr	57.96	258	eP	LR	LR	comp=Z,9.0nm,0.9s,baz=292,slow=7.5,SNR=48	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
CM01	Chiang Mai Arr	57.98	257	eP	P	22 10 51.4 +0.5	comp=Z,1um,19.2s,baz=65,slow=39	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
PHIT	Phitsanuok	58.06	256	P	P	22 10 54.2 +2.7	comp=Z,1um,19.2s,baz=65,slow=39	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
MYLDM	Lahad Datu	58.11	231	eP	P	22 10 54.5 +2.7	comp=Z,1um,19.2s,baz=65,slow=39	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
CHAI	Chaiyaphum	58.14	254	P	P	22 10 53.1 +1.1	comp=Z,1um,19.2s,baz=65,slow=39	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
MPMC	Manual Prospec	58.16	71	P	P	22 10 52.5 +0.3	comp=Z,1um,19.2s,baz=65,slow=39	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
TAPN	Taplejung	58.18	274	eP	P	22 10 51.6 -1.0	comp=Z,1um,19.2s,baz=65,slow=39	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
CTU	Camp Tracy	58.18	63	eP	P	22 10 53.8 +0.6	comp=Z,1um,19.2s,baz=65,slow=39	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
ABKAR	Akbakul array	58.19	311	eP	P	22 10 50.3 -1.7	comp=Z,1um,19.2s,baz=65,slow=39	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
FURC	Furnace Creek	58.24	70	P	P	22 10 53.4 +0.9	comp=Z,1um,19.2s,baz=65,slow=39	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
AKTO	Aktuyubinsk	58.24	313	P	P	22 10 50.4 -2.0	comp=Z,1um,19.2s,baz=65,slow=39	OBN	Obninsk	63.07	327f	eP	P	22 11 44.2 +0.1
TPNV	Topopah Spring	58.26	69	P	P	22 10 53.8 +1.0	comp=Z							











Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PLOST, VRI, ODBI, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KORU, HORU, BRIU, etc.

IDC 09 23:49:25.5±0.7, 17.195±176.04W, h164km, 39km, mb3.6/4, mb1.32/4.5, mb1mx3.4/35, mbtmp4.1/5, Error ellipse: s-maj=132.4km s-min=22.2km az=142.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AFI, CTA, STKA, etc.

ISC/JB 09 23:51:53.1±0.4, 31.155±0.04, 179.74W±0.09, h205km, mb4.4/12, Error ellipse: s-maj=11.5km s-min=4.1km az=14.6, NEIC 09 23:51:54.1±0.1, 31.148±179.38W, h265km, 10km, mb4.5/1, Error ellipse: s-maj=17.8km s-min=11.6km az=98.0

IDC 09 23:51:54.5±0.9, 31.515±179.37W, h270km, 8km, mb3.9/8, mb1.4/11, mb1mx3.6/32, mbtmp4.6/11, Error ellipse: s-maj=17.5km s-min=13.0km az=134.0

ISC 09 23:51:52.9±0.5, 31.538±0.05, 179.6W±0.1, h250km, n77, <24/89, mb4.4/12, Kermadec Islands region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RAO, MXZ, WJ, etc.

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

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like VNA3, VNA2, VNA1, etc.

MEX 09 23:57:47.8±0.9, 18.23N±102.73W, h60km±18km, MD3.7, Michoacan

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

AZER 10 00:03:18.9±0.6, 38.08N±43.49E, h10km, Error ellipse: s-maj=5.5km s-min=3.5km az=105.9

DDA 10 00:03:24.4±0.3, 38.94N±43.53E, h5km, ML3.6, ISK 10 00:03:24.6±38.95N±43.56E, h5km, ML3.6

IASPE 10 00:03:25.4±0.3, 38.96N±0.03±43.55E±0.03, h8km, 6km, Error ellipse: s-maj=4.2km s-min=3.3km az=129.6, GT5 selection from ISC bulletin GT5 identified by Bond jr and McLaughlin (2009) selection criteria Bond jr and McLaughlin, A new ground truth data set for seismic studies, <Seism. Res. Let.>, <80> <80>, 465-472, 2009

CSEM 10 00:03:25.9±0.1, 38.95N±43.57E, h2km, ML3.6, Error ellipse: s-maj=1.3km s-min=0.9km az=145.0

ISC 10 00:03:25.5±0.9, 38.93N±42.43±43.57E±0.01, h8km±6km, n125, <136/41/1>, 13C-22D, Turkey

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like VMUR, ERV, ERVC, etc.





ARKR		eSg	Sb	00 27 17.7	-1.2	
GNBR	Gunib	0.96 106	l/P	Pg	00 27 05.4	-1.5
GNBR		i S	Pg	00 27 18.0	-1.3	
GNBR	Gunib	0.96 106	i/P	Pg	00 27 05.4	-1.5
GNBR		eSg	Pg	00 27 18.0	-1.3	
BUJR	Buynaks	1.04 80	eP	Pn	00 27 25.0	+1.1
BUJR		eS	Pn	00 27 10.5	+1.2	
BUJR	Buynaks	1.04 80	eP	Pn	00 27 25.0	+1.1
BUJR		eSg	Pn	00 27 10.5	+1.2	
LACR	Lac	1.06 280	l/P	Pb	00 27 08.7	-0.4
LACR		eS	Pn	00 27 24.0	-0.7	
LACR	Lac	1.06 280	i/P	Pg	00 27 08.7	-0.4
LACR		eSg	Pn	00 27 24.0	-0.7	
SEAG	Tbilisi Sea	1.12 218	P	Pg	00 27 10.1	+0.1
SEAG		eS	Pg	00 27 26.5	+0.6	
BTKR	Batakoyurt	1.12 310	eP	Pg	00 27 10.4	+0.3
BTKR		eS	Pg	00 27 27.5	+1.4	
BTKR	Batakoyurt	1.12 310	eP	Pg	00 27 10.4	+0.3
BTKR		eSg	Pg	00 27 27.5	+1.4	
KMKR	Kumukh	1.15 117	eP	Pb	00 27 10.0	-0.6
KMKR		eS	Pb	00 27 24.3	-1.4	
KMKR	Kumukh	1.15 117	eP	Pb	00 27 10.0	-0.6
KMKR		eSg	Pb	00 27 24.3	-1.4	
TBLG	Delisi	1.18 219	P	Pn	00 27 10.0	-1.0
TBLG		S	Pn	00 27 26.6	-0.7	
TBLG	Delisi	1.18 219	eP	Pn	00 27 10.0	-1.0
TBLG		eS	Pn	00 27 26.4	-0.9	
TBLG	Delisi	1.18 219	eP	Pn	00 27 10.0	-1.0
TBLG		eSg	Pn	00 27 26.4	-0.9	
DGRG	David-gareji	1.23 192	P	Pg	00 27 11.9	-0.2
DGRG		eS	Pg	00 27 29.9	+1.2	
DGRG	David-gareji	1.23 192	eP	Pg	00 27 11.9	-0.2
DGRG		eSg	Pg	00 27 30.4	+1.7	
DGRG	David-gareji	1.23 192	eP	Pg	00 27 30.4	+1.7
DGRG		eSg	Pg	00 27 30.4	+1.7	
KORR	Kora	1.29 290	eP	Pg	00 27 12.2	-0.6
KORR		eS	Pn	00 27 30.3	+0.3	
KORR	Kora	1.29 290	eP	Pg	00 27 12.2	-0.6
KORR		eSg	Pn	00 27 30.3	+0.3	
KORR	Kora	1.29 326	eP	Pg	00 27 12.2	-0.6
KORR		eS	Pn	00 27 31.6	+1.6	
TRKR	Terskaya	1.29 326	eP	Pb	00 27 12.6	-0.3
TRKR		eSg	Pb	00 27 31.6	+1.6	
TRKR	Terskaya	1.29 326	eP	Pb	00 27 12.6	-0.3
TRKR		eSg	Pb	00 27 31.6	+1.6	
ZEI	Tsey	1.35 276	eP	Pn	00 27 12.5	-1.2
ZEI		eS	Pn	00 27 31.4	-0.4	
ZEI	Tsey	1.35 276	eP	Pn	00 27 12.5	-1.2
ZEI		eSg	Pn	00 27 31.4	-0.4	
MAK	Makhachkala	1.35 76	eP	Pg	00 27 15.2	+0.8
MAK		e	Pg	00 27 32.9		
MAK	comp=Z,52nm,0.2s		pmax	pmax		
MAK	comp=E,235nm,0.4s		smax	smax		
MAK	comp=N,261nm,0.4s		smax	smax		
MAK	Makhachkala	1.35 76	eP	Pg	00 27 15.2	+0.8
MAK	comp=N,52nm,0.2s		eSg	Pg	00 27 32.9	+1.0
STDR	Stavd-Durt	1.41 301	eP	Pg	00 27 15.0	0.0
STDR		eS	Pg	00 27 34.8	+1.0	
STDR	Stavd-Durt	1.41 301	eP	Pg	00 27 15.0	0.0
STDR		eSg	Pg	00 27 34.8	+1.0	
URKR	Urkarakh	1.50 108	eP	Pb	00 27 16.5	-0.1
URKR		eS	Pb	00 27 33.5	-2.0	
URKR	Urkarakh	1.50 108	eP	Pb	00 27 16.5	-0.1
URKR		eSg	Pb	00 27 33.5	-2.0	
PRTR	Priterechnaya	1.52 317	eP	Pb	00 27 16.3	-0.6
PRTR		eS	Pb	00 27 37.4	+0.1	
PRTR	Priterechnaya	1.52 317	eP	Pb	00 27 16.3	-0.6
PRTR		eSg	Pb	00 27 37.4	+0.1	
LSNR	Lesken	1.52 295	eP	Pn	00 27 15.2	-0.8
LSNR		eS	Pn	00 27 36.1	-0.3	
LSNR	Lesken	1.52 295	eP	Pn	00 27 15.2	-0.8
LSNR		eSg	Pn	00 27 36.1	-0.3	
DIGR	Digorskoe uzhe	1.59 280	eP	Pg	00 27 17.1	0.0
DIGR		eS	Pn	00 27 38.5	-0.1	
DIGR	Digorskoe uzhe	1.59 280	eP	Pg	00 27 17.1	0.0
DIGR		eSg	Pn	00 27 38.5	-0.1	
ONI	Oni	1.68 269	P	Pg	00 27 19.8	-0.8
ONI		S	Pg	00 27 43.3	+0.9	
ONI	Oni	1.68 269	eP	Pn	00 27 19.8	-0.8
ONI		eSg	Pn	00 27 43.3	+0.9	
ONI	Oni	1.68 269	eP	Pn	00 27 19.8	-0.8
ONI		eSg	Pn	00 27 43.3	+0.9	
NCK	Nalchik	1.77 299	eP	Pn	00 27 18.7	-0.6
NCK		eS	Pn	00 27 37.4	+0.1	
NCK	Nalchik	1.77 299	eP	Pn	00 27 18.7	-0.6
NCK		eSg	Pn	00 27 37.4	+0.1	
AKT	Akhty	1.90 127	i/P	Pn	00 27 22.2	-1.2
AKT		P	Pb	00 27 24.9	-1.5	
AKH	Akhalkalaki	2.07 234	P	Pb	00 27 24.9	-1.5
AKH		S	Pb	00 27 51.7	-0.7	
AKH	Akhalkalaki	2.07 234	eP	Pb	00 27 24.9	-1.5
AKH		eS	Pb	00 27 52.0	-0.3	
AKH	Akhalkalaki	2.07 234	eP	Pb	00 27 24.9	-1.5
AKH		eSg	Pb	00 27 52.0	-0.3	
KSMR	Kasumkent	2.08 120	eP	Pn	00 27 32.0	+3.7
KSMR		eS	Pg	00 27 56.0	+0.8	
KSMR	Kasumkent	2.08 120	eP	Pn	00 27 32.0	+3.7
KSMR		eSg	Pg	00 27 56.0	+0.8	
NEY	Neytrino	2.28 286	eP	Pn	00 27 26.3	-0.2
NEY		eS	Pn	00 27 58.7	-1.3	
NEY	Neytrino	2.28 286	eP	Pn	00 27 26.3	-0.2
NEY		eSg	Pn	00 27 58.7	-1.3	
SHA1	Shidzhatmaz	2.49 297	eP	Pn	00 27 28.1	-1.3
SHA1		eS	Pn	00 27 58.7	-1.3	
SHA1	Shidzhatmaz	2.49 297	eP	Pn	00 27 28.1	-1.3
SHA1		eSg	Pn	00 27 58.7	-1.3	
KIV	Kislovodsk	2.57 301	i/P	Pn	00 27 29.1	-1.3
KIV		eS	Pn	00 27 58.7	-1.3	
KIV	Kislovodsk	2.57 301	i/P	Pn	00 27 29.1	-1.3
KIV		eSg	Pn	00 27 58.7	-1.3	
GNI	Garni	2.61 197	eP	Pn	00 27 32.0	+1.0
GNI		eS	Pn	00 27 36.9	-0.5	
GNI	Garni	2.61 197	eP	Pn	00 27 32.0	+1.0
GNI		eSg	Pn	00 27 36.9	-0.5	
GOF	Gofitskoye	3.09 322	eP	Pn	00 28 14.2	-0.2
GOF		eS	Pn	00 28 14.2	-0.2	
GOF	comp=Z,31nm,0.2s		pmax	pmax		
GOF	comp=E,66nm,0.3s		smax	smax		
GOF	comp=N,52nm,0.4s		smax	smax		
GOF	Gofitskoye	3.09 322	eP	Pn	00 27 36.9	-0.5
GOF	comp=N,31nm,0.2s		eS	Pn	00 28 14.2	-0.2
KIEV	Kiev	13.88 311	eP	Pn	00 30 07.0	+1.8
KIEV		pmax	Pn	00 30 07.0	+1.8	
KIEV	comp=Z,3.0nm,1.2s		eP	Pn	00 30 07.0	+1.8
KIEV	comp=Z,3.0nm,1.2s		eS	Pn	00 30 07.0	+1.8
ARU	Arti	16.07 26	eP	Pn	00 30 34.7	+0.2
ARU		pmax	Pn	00 30 34.7	+0.2	
ARU	comp=Z,2.0nm,1.0s		eP	Pn	00 30 34.7	+0.2
ARU	comp=Z,2.0nm,1.0s		eS	Pn	00 30 34.7	+0.2
BRVK	Borovyoye	19.40 49	eP	P	00 31 13.9	-0.7
BRVK		pmax	P	00 31 13.9	-0.7	
BRVK	comp=Z,2.0nm,0.7s		eP	P	00 31 13.9	-0.7
BRVK	comp=Z,2.0nm,0.7s		eS	P	00 31 13.9	-0.7

KOE	Koeppel	0.22 346	Pg	Pg	00 31 47.6	-0.4
KOE			Pg	Pg	00 31 50.5	-0.8
BGG	Burgeitz	0.31 269	i/P	Pg	00 31 49.3	-0.1
BGG		eSg	Pg	Pg	00 31 53.2	-0.6
BGG	Burgeitz	0.31 269	Pg	Pg	00 31 49.3	-0.1
BGG		eSg	Pg	Pg	00 31 53.2	-0.6
ABH	Alteburg	0.38 207	i/P	Pg	00 31 50.3	-0.3
ABH		S	Pg	Pg	00 31 56.8	
ABH	Alteburg	0.38 207	Pg	Pg	00 31 49.9	-0.7
ABH		eS	Pg	Pg	00 31 50.3	-0.3
ABH	Alteburg	0.38 207	Pg	Pg	00 31 49.9	-0.7
ABH		eSg	Pg	Pg	00 31 50.3	-0.3
TNS	Taunus Mts	0.41 89	i/P	Pg	00 31 56.8	-0.3
TNS		S	Pg	Pg	00 31 56.8	-0.3
TNS	Taunus Mts	0.41 89	Pb	Pg	00 31 56.1	-0.7
TNS		eS	Pg	Pg	00 31 50.8	-0.5
TNS	Taunus Mts	0.41 89	Pb	Pg	00 31 56.1	-0.7
TNS		eSg	Pg	Pg	00 31 50.8	-0.5
BHE	Schloss Buerre	0.43 289	i/P	Pg	00 31 56.1	-0.7
BHE		eSg	Pg	Pg	00 31 51.6	0.0
BHE	Schloss Buerre	0.43 289	Pg	Pg	00 31 57.4	-0.1
BHE		eSg	Pg	Pg	00 31 51.6	0.0
BHE	Schloss Buerre	0.43 289	Pg	Pg	00 31 57.4	-0.1
BHE		eSg	Pg	Pg	00 31 51.6	0.0
FSH	Hochheid	0.47 253	i/P	Pg	00 31 52.3	-0.2
FSH		S	Pg	Pg	00 31 58.4	-0.4
FSH	Hochheid	0.47 253	Pb	Pg	00 31 52.3	-0.2
FSH		eS	Pg	Pg	00 31 58.4	-0.4
FSH	Hochheid	0.47 253	Pb	Pg	00 31 52.3	-0.2
FSH		eSg	Pg	Pg	00 31 58.4	-0.4
BIW	Bindweide	0.52 21	i/P	Pg	00 31 55.2	+1.3
BIW		P	Pg	Pg	00 31 58.9	-1.3
BIW	Bindweide	0.52 2	Pb	Pg	00 31 52.7	-0.6
BIW		eS	Pg	Pg	00 31 55.2	+1.3
BIW	Bindweide	0.52 2	Pb	Pg	00 31 52.7	-0.6
BIW		eSg	Pg	Pg	00 31 55.2	+1.3
AHRW	Bad Neuenahr-A	0.57 305	i/P	Pg	00 31 54.3	-0.3
AHRW		eSg	Pg	Pg	00 32 01.5	-0.5
AHRW	Bad Neuenahr-A	0.57 305	Pb	Pg	00 31 54.1	-0.3
AHRW		eSg	Pg	Pg	00 32 01.5	-0.5
AHRW	Bad Neuenahr-A	0.57 305	Pb	Pg	00 31 54.1	-0.3
AHRW		eSg	Pg	Pg	00 32 01.5	-0.5
IMS	Imbsbach	0.62 175	i/P	Pg	00 31 55.0	-0.2
IMS		S	Pg	Pg	00 32 02.8	-0.7
IMS	Imbsbach	0.62 175	Pb	Pg	00 31 55.0	-0.2
IMS		eS	Pg	Pg	00 32 02.8	-0.7
IMS	Imbsbach	0.62 175	Pb	Pg	00 31 55.0	-0.2
IMS		eSg	Pg	Pg	00 32 02.8	-0.7
WBB	Darmstadt	0.66 124	P	Pg	00 32 04.3	-0.4
WBB		S	Pg	Pg	00 31 56.9	+0.6
WBB	Darmstadt	0.66 124	P	Pg	00 32 04.3	-0.4
WBB		eS	Pg	Pg	00 31 56.9	+0.6
WBB	Darmstadt	0.66 124	P	Pg	00 32 04.3	-0.4
WBB		eSg	Pg	Pg	00 31 56.9	+0.6
TDN	Todenfeld	0.66 303	eP	Pg	00 32 04.6	-0.2
TDN		eSg	Pg	Pg	00 32 04.6	-0.2
TDN	Todenfeld	0.66 303	eP	Pg	00 32 04.6	-0.2
TDN		eSg	Pg	Pg	00 32 04.6	-0.2
TDN	Todenfeld	0.66 303	eP	Pg	00 32 04.6	-0.2
TDN		eSg	Pg	Pg	00 32 04.6	-0.2
WBS	Wahnachtalspe	0.68 330	eP	Pg	00 31 56.1	-0.3
WBS		eSg	Pg	Pg	00 32 05.1	-0.3
RUP	Ruppelstein	0.71 224	i/P	Pg	00 31 56.0	-0.8
RUP		P	Pg	Pg	00 31 57.1	-0.2
RUP	Ruppelstein	0.71 224	Pb	Pg	00 31 56.0	-0.8
RUP		eS	Pg	Pg	00 31 57.1	-0.2
RUP	Ruppelstein	0.71 224	Pb	Pg	00 31 56.0	-0.8
RUP		eSg	Pg	Pg	00 31 57.1	-0.2
STB	Steinbach	0.73 202	Pg	Pg		



Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Tory Channel, Otaki Gorge, Cannon Point, Wahianoa, Mangatainaka R, etc.

ISCJB 10 01:12:09.8-0.9, 10.49N-0.08-145.9E-0.2, h16km, mb3.8/6, Error ellipse: s-maj=35.6km s-min=10.4km az=172.1

IDC 10 01:12:09.0-1.1, 10.41N-146.07E, h0km, mb3.8/6, mb1 4.0/7, mb1mx3.8/37, mbtmp3.8/7, ML4.1/1, Error ellipse: s-maj=45.9km s-min=20.2km az=97.0

ISC 10 01:12:11.8-1.3, 10.53N-0.1-145.9E-0.3, h16km, n10, r142/8, mb3.9/6, South of Mariana Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like GUMO, H1N1, WAKE ISLAND, ASAR, MKAR, ZALV, ILAR, INK, etc.

DDA 10 01:13:06.0, 36.07N-36.07E, h12km, M12.6

CSEM 10 01:13:06.0, 36.07N-36.07E, h12km, M12.6

NSSC 10 01:13:09.1, 3.36, 08N-35.91E, h17km, 3km, ML1.9

ISCJB 10 01:13:09.0-0.4, 36.04N-0.02-35.9E-0.04, h21km, 4km, Error ellipse: s-maj=5.0km s-min=3.1km az=174.3

ISC 10 01:13:06.7-0.6, 36.06N-0.02-36.05E-0.03, h11km, 5km, n30, r134/52, Jordan-Syria region

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Yayladag, Al Arnab, Batrach, Darouich, Kutra, Albida, Kuzui, Osmaniye, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Mersin, Kahramanmara, Adana, Adirindir, Haweeek, Gulek, Gaziantep, Abou Rabah, Adana, Konya-Eregli, Ras Al Marh, KAYSERI, YAHY, ROOS, SURC, SANLIURFA, etc.

NAM 10 01:24:49.0-1.63, 0.27, 22S-30.08E, h15km, 99km, MD4.6

ISCJB 10 01:24:55.9-0.4, 26.41S-0.03-27.46E-0.03, h8km, 3km, Error ellipse: s-maj=5.0km s-min=4.0km az=148.3

PREE 10 01:24:55.9-1.3, 26.39S-27.42E, h2km, ML3.4

ISC 10 01:24:56.1-0.9, 26.41S-0.03-27.43E-0.03, h6km, 5km, n26, r191/44, South Africa

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like WDLM, KLOof, KLOF, Parys, ERMP, SEK, SWZ, LBTB, BOSa, KSD, HVD, MSNA, PKA, UPI, MATP, BLWY, SOE, ARMS, CVNA, KOMG, AUSN, WIN, KJAB, etc.

ISCJB 10 01:26:37.6-0.6, 38.48N-0.03-43.26E-0.03, h0km, 7km, Error ellipse: s-maj=5.5km s-min=3.7km az=144.9

CSEM 10 01:26:37.1-0.2, 38.46N-43.28E, h2km, ML2.7, Error ellipse: s-maj=6.0km s-min=3.7km az=142.0

DDA 10 01:26:37.3, 38.47N-43.28E, h5km, M12.7

ISC 10 01:26:37.4-0.9, 38.48N-0.02-43.27E-0.02, h6km, 3km, n36, r081/52, Turkey

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Mersin, Kahramanmara, Adana, Adirindir, Haweeek, Gulek, Gaziantep, Abou Rabah, Adana, Konya-Eregli, Ras Al Marh, KAYSERI, YAHY, ROOS, SURC, SANLIURFA, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like TVAN, ERICIS-VAN, VMUR, Van-Muradiye, etc.

IDC 10 01:31:41.2-3.7, 7.87S-147.90E, h0km, mb3.1/2, mb1 3.5/3, mb1mx3.2/33, mbtmp3.2/3, ML3.3/1, Error ellipse: s-maj=103.1km s-min=31.6km az=107.0, Eastern New Guinea region

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

JMA 10 01:39:30.3-0.1, 36.25N-141.196E, h57km, 4km, M3.2

IDC 10 01:39:31.0-1.9, 36.56N-141.30E, h0km, mb3.4/4, mb1 3.5/5, mb1mx3.4/7, mbtmp3.3/5, ML3.2/1, Error ellipse: s-maj=50.8km s-min=24.0km az=53.0

ISC 10 01:39:31.3-1.9, 36.13N-140.07-141.7E-0.1, h10km, n10, r124/14, mb3.6/4, 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 CHOJ, BSO1, JAG, MJAR, MAT, JHU, MKAR, KURBB, WRA, etc.

ISK 10 01:49:42.8, 38.36N-43.36E, h5km, ML2.0

ISCJB 10 01:49:44.2, 38.42N-0.04-43.39E-0.06, h4km, 10km, Error ellipse: s-maj=8.2km s-min=5.1km az=35.3

CSEM 10 01:49:44.4-0.3, 38.45N-43.36E, h2km, ML2.5, Error ellipse: s-maj=7.2km s-min=4.5km az=118.0

DDA 10 01:49:44.2, 38.49N-43.36E, h12km, M12.5

ISC 10 01:49:43.9-1.0, 38.44N-0.03-43.37E-0.03, h9km, 7km, n25, r112/33, Turkey

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like TVAN, VANB, VANB, GEVAS, BITLIS, Adilceev, etc.

IDC 10 02:02:29.4-0.6, 4.56S-130.11E, h0km, mb4.6/16, mb1 4.7/19, mb1mx4.5/40, mbtmp4.6/19, ML4.5/2, MS3.5/7, Ms1 3.5/7, ms1mx3.2/26, Error ellipse: s-maj=28.0km s-min=12.9km az=67.0

10d 2h

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BUI 10 02:02:30.7, 5.00S:130.140E, h53km, mb4.8/24, mb5.0/19, Ms4.7/5, Ms7.4/54
MOS 10 02:02:32.7, 0.7, 4.55S:130.14E, h36km, mb5.0/24, Error ellipse: s-maj=16.9km s-min=7.2km az=116.5
ISCJB 10 02:02:32.8, 0.2, 4.61S:130.130E, 0.03, h40km, mb4.8/49, MS3.5/7, Error ellipse: s-maj=3.7km s-min=3.6km az=27.5
DJA 10 02:02:36.0, 0.2, 4.53S:130.130E, h10km, M4.8/11, mb4.9/9, mb5.2/7, MLV5.0/11, Mw(mb)4.77
NEIC 10 02:02:36.0, 0.2, 4.54S:130.127E, h49km, 6km, mb4.7/28, Error ellipse: s-maj=6.1km s-min=4.3km az=53.3
ISC 10 02:02:34.9, 0.2, 4.57S:130.140E, h40km, n154, s+177/166, mb4.9, MS3.7/7, 16C-3D, Banda Sea

USRK Ussuriysk Ar. 48.58 2 P P 02 11 14.6 +0.2
LSA Lhasa 50.615 0.7 P P 02 11 31.1 +0.4
LSA Lhasa 50.610 315 eP P 02 11 31.1 +0.4
ODAN Odare 51.84 300 eP P 02 11 39.1 -0.6
TAPN Tapejlung 51.84 310 eP P 02 11 39.3 -0.5
GTA Gaotai 51.96 330 eP P 02 11 40.6 +0.4
RAMM Ramite 52.49 309 eP P 02 11 44.2 -0.4
YSS Yuzh-Sakhalins 52.49 11 eP P 02 11 40.4 +6.5
JIRN Jiri 53.16 310 eP P 02 11 50.0 -0.7
GUN Gumba 53.52 310 eP P 02 11 51.7 -0.6
PKR Kul'dur 53.60 10eP P 02 11 52.7 +0.7
KLI Pulchoki 53.72 309 eP P 02 11 52.7 -1.0
PKIN Pulchokki 53.73 309 eP P 02 11 53.5 -0.2
KKN Kakani 53.92 309 eP P 02 11 54.1 -1.0
DMN Daman 53.97 309 eP P 02 11 54.8 -0.7
KOLN Koldanda 55.22 308 eP P 02 12 04.0 -0.5
DANN Dangsing 55.37 309 eP P 02 12 05.3 -0.4
HYB Hyderabad 55.44 295 iP P 02 12 04.0 -2.0
PYUN Pyüthan 56.05 308 eP P 02 12 08.5 -0.5
ULN Ulaanbaatar 56.03 341eP P 02 12 10.5 +0.7
ULN Ulaanbaatar 56.03 341 eP P 02 12 10.4 +0.5
SONM Songino Array 56.22 341 P P 02 12 11.7 +0.5
SONAI Amparna 56.22 341 eP P 02 12 11.7 +0.4
TYV Tyngvskoe 56.25 9 eP P 02 12 10.9 -0.2
ZAK Zakamensk 59.45 340 eP P 02 12 34.2 +0.5
WMQ Urumqi 61.48 326 P P 02 12 44.8 +0.7
WMQ Urumqi 61.48 326 ScP ScP 02 12 25.2 -2.9
WMQ Urumqi 61.48 326 S S 02 12 12.6 +6.2

comp=Z,0.3nm,0.4s,baz=260,slow=4.5,SNR=4.3
KMB0 Kilima Mbogo 92.83 269eP P 02 15 44.2 -0.4
KMB0 Kilima Mbogo 92.83 269eP Pmax Pmax
KLMR Klimovskoe 94.28 331 eP P 02 15 46.4 -3.4
KLMR Klimovskoe 94.28 331 Pmax Pmax
OBN Obninsk 95.79 325fP P P 02 15 55.6 -1.2
OBN Obninsk 95.79 325fP Pmax Pmax
OBN Obninsk 95.79 325fP MLR MLR
ARCES ARCES Array B 99.38 340 P P P 02 16 12.9 +0.1
ARCES ARCES Array B 99.38 340 Pmax Pmax
MNXT Cornudas Mount 121.46 56 ePKPdf PKPdf 02 21 26.6 +1.8
TOAO Torodi Arr. Sit 128.48 283 ePKPdf PKPdf 02 21 39.0 +0.4
TORD Torodi Arr. Base 128.48 283 PKP PKPdf 02 21 39.0 +0.4
LPZU Villa Florida 148.43 167 PKPbc PKPbc 02 22 18.2 +0.2
LPZU Villa Florida 148.43 167 PKPbc PKPbc 02 22 18.2 +0.2
LPZU La Paz 152.47 139 PKPbc PKPbc 02 22 29.9 +1.2
LPZU La Paz 152.47 139 ePKPbc PKPbc 02 22 29.9 +1.2
LPZU La Paz 152.47 139 ePKPbc PKPbc 02 22 29.9 +1.2

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists various stations like BNDI, MSAI, AAI, FAKI, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists various stations like USRK, LSA, ODAN, TAPN, etc.

NEIC 10 02:26:37.6, 0.0, 16.35N:94.64W, h65km, MD4.3(MEX), After MEX.
MEX 10 02:26:37.6, 0.0, 16.35N:94.64W, h65km, 22km, MD4.3, Oaxaca

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like PCIG, TGIG, HUIG, etc.

IDC 10 02:34:49.5, 0.5, 1.57S:138.34E, h0km, mb4.4/11, mb1.4/7.13, mb1mx4.5/24, mbtmp4.6/13, ML1.9/1, MS4.1/20, Ms1.4/7.20, ms1mx4.1/25, Error ellipse: s-maj=22.8km s-min=12.3km az=68.0
MOS 10 02:34:50.9, 1.2, 1.51S:138.23E, h23km, mb5.3/21, Error ellipse: s-maj=14.4km s-min=7.5km az=106.8
BUI 10 02:34:52.6, 1.7, 1.70S:138.16E, h26km, mb4.8/48, mb5.1/37, Ms4.7/34, Ms7.4/35
ISCJB 10 02:34:52.6, 1.7, 1.70S:138.16E, h26km, mb4.8/48, mb5.0/30, Error ellipse: s-maj=3.9km s-min=3.1km az=40.1
DJA 10 02:34:52.7, 1.0, 1.56S:137.9E, h26km, 6km, MS.0/20, mb5.2/20, mb5.4/12, MLV5.3/7, Mw(mb)4.8/12
NEIC 10 02:34:53.0, 0.2, 1.51S:138.42E, h26km, 15km, mb5.3/46, Error ellipse: s-maj=7.2km s-min=4.9km az=48.0
NEIC Felt [I] at Sami.
GCMT 10 02:34:53.0, 0.2, 1.29S:138.44E, h29km, MW5.1/99, Moment Tensor Solution. s61,c74; s99,c153; Duration: 0 Moment tensor: Scale 10^19Nm; Mr=0.58; 17; Ms=0.28; 13; Mw=0.28; 14; M=1.66; 22; Ms=5.71; 10; Mw=1.65; 25; Best double couple: Ms=19300; 1016 N1=27.2; 0000°; 87.5; 0000°; 1.6; 0000°. NP2=17.8; 0000°; 87.5; 0000°; 1.6; 0000°. Principal axes: T 6.3670, Plg22.0000°, Azm135.0000°; N -0.3680, Plg68.0000°, Azm31.0000°; P -5.9990, Plg0.0000°. Azm45.0000°. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 10 02:34:54.6, 0.2, 1.60S:138.39E, h0.3km, n330, c1564/325, mb5.1/90, MS4.3/30, 8C-3D, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like SMP1, GENI, BAKI, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like APSI, MTSU, MMRI, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like KULM, SKNT, SISI, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like LZH, DCZ, MLZ, etc.







Table with columns: ZRD, Zardab, 3.05 110 Pn, Pn, 02 54 48.9 +1.0, etc.

ISK 10 02:58:33.8, 38°71'N-43°54'E, h5km, ML2.8
ISCJB 10 02:58:33.6, 0.7, 38°70'N-03:43:30E, 0.05, h1km, 6km,
Error ellipse: s-maj=6.2km s-min=4.2km az=16.8

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

CSEM 10 03:13:20.8, 37°22'N-22°00'E, h3km, ML0.6/1
ATH 10 03:13:20.8, 37°22'N-22°00'E, h3km, 1km, ML0.6/1, Error
ellipse: s-maj=1.6km s-min=0.9km az=136.0, Southern
Greece

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

ISCJB 10 03:13:55.7, 0.5, 38°51'N-03:43:24E, 0.04, h8km, 5km,
Error ellipse: s-maj=5.8km s-min=4.8km az=31.6

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

ISCJB 10 03:13:55.1, 1.1, 38°52'N-03:43:23E, 0.03, h2km, 10km,
Error ellipse: s-maj=5.6km s-min=4.4km az=117.0

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

CSEM 10 03:06:23.5, 45°76'N-26°62'E, h141km, MD3.5/5
BUC 10 03:06:23.5-0.7, 45°76'N-26°62'E, h141km, 6km, MD3.5/5,
42C-15D, Error ellipse: s-maj=5.0km s-min=4.1km
az=336.0, Romania

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

IDC 10 03:16:24.9, 0.8, 6°46'N-144°91'E, h0km, mb4.0/8,
mb1 3.4/0, mb1mx4.0/38, mbtmp4.1/9, ML4.7/1, MS3.3/10,
s-min=18.2km az=85.0

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

IDC 10 03:16:29.3, 0.5, 6°55'N-144°95E, 0.10, h35km, n53,
e189/42, mb4.6/21, MS3.3, Eastern Caroline Islands
region

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

Table with columns: VOIR, VOF, 1.15 254 I/P, Pn, 03 06 48.8 -0.1, etc.

CSEM 10 03:13:20.8, 37°22'N-22°00'E, h3km, ML0.6/1
ATH 10 03:13:20.8, 37°22'N-22°00'E, h3km, 1km, ML0.6/1, Error
ellipse: s-maj=1.6km s-min=0.9km az=136.0, Southern
Greece

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

ISCJB 10 03:13:55.7, 0.5, 38°51'N-03:43:24E, 0.04, h8km, 5km,
Error ellipse: s-maj=5.8km s-min=4.8km az=31.6

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

ISCJB 10 03:13:55.1, 1.1, 38°52'N-03:43:23E, 0.03, h2km, 10km,
Error ellipse: s-maj=5.6km s-min=4.4km az=117.0

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

IDC 10 03:20:55.8, 2.0, 246Sx172.88W, h0km, mb4.4/4,
mb1 4.6/4, mb1mx4.0/35, mbtmp4.4/4.0, Error ellipse:
s-maj=256.8km s-min=35.1km az=145.0, Tonga Islands
region

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

MEX 10 03:38:20.4, 0.4, 18°16'N-96°53'W, h82km, 6km, MD3.8,
Veracruz

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

IDC 10 03:40:47.9, 999.0, 51°22'N-116°56'E, h0km, Error ellipse:
s-maj=631.7km s-min=185.0km az=106.0, East of Lake
Baykal

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

DDA 10 04:20:03.8, 38°50'N-43°24'E, h7km, ML3.3
ISK 10 04:20:04.2, 38°50'N-43°28'E, h4km, ML2.6
CSEM 10 04:20:04.1, 0.3, 38°51'N-43°26'E, h3km, ML3.3, Error
ellipse: s-maj=6.6km s-min=4.7km az=136.0

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

Table with columns: COEN Coen, 20.45 185 eP, P, 03 21 03.5 -0.5, etc.

DDA 10 04:20:03.8, 38°50'N-43°24'E, h7km, ML3.3
ISK 10 04:20:04.2, 38°50'N-43°28'E, h4km, ML2.6
CSEM 10 04:20:04.1, 0.3, 38°51'N-43°26'E, h3km, ML3.3, Error
ellipse: s-maj=6.6km s-min=4.7km az=136.0

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

IDC 10 03:40:47.9, 999.0, 51°22'N-116°56'E, h0km, Error ellipse:
s-maj=631.7km s-min=185.0km az=106.0, East of Lake
Baykal

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

DDA 10 04:20:03.8, 38°50'N-43°24'E, h7km, ML3.3
ISK 10 04:20:04.2, 38°50'N-43°28'E, h4km, ML2.6
CSEM 10 04:20:04.1, 0.3, 38°51'N-43°26'E, h3km, ML3.3, Error
ellipse: s-maj=6.6km s-min=4.7km az=136.0

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

IDC 10 03:40:47.9, 999.0, 51°22'N-116°56'E, h0km, Error ellipse:
s-maj=631.7km s-min=185.0km az=106.0, East of Lake
Baykal

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

DDA 10 04:20:03.8, 38°50'N-43°24'E, h7km, ML3.3
ISK 10 04:20:04.2, 38°50'N-43°28'E, h4km, ML2.6
CSEM 10 04:20:04.1, 0.3, 38°51'N-43°26'E, h3km, ML3.3, Error
ellipse: s-maj=6.6km s-min=4.7km az=136.0

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

IDC 10 03:40:47.9, 999.0, 51°22'N-116°56'E, h0km, Error ellipse:
s-maj=631.7km s-min=185.0km az=106.0, East of Lake
Baykal

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

DDA 10 04:20:03.8, 38°50'N-43°24'E, h7km, ML3.3
ISK 10 04:20:04.2, 38°50'N-43°28'E, h4km, ML2.6
CSEM 10 04:20:04.1, 0.3, 38°51'N-43°26'E, h3km, ML3.3, Error
ellipse: s-maj=6.6km s-min=4.7km az=136.0

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BITLIS\_Adilcev, Tatvan, Caldiran, Tutak, Hanur-Agry, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like White River Ci, Honeyville, Wellsville, Cedar City, Little Mountain, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Circle Bar Ran, Tucson, Pinyon Flats O, etc.

IASPEI 10 04:27:45.4±1.0, 39°31'N, 107°03'11.114W, 0.03, h5km, 8km, mb4.0/4, MS3.0/3, Error ellipse: s-maj=4.0km s-min=3.8km

NEIC 10 04:27:45.4±0.0, 39°30'N, 111°15'W, h6km, MW3.9, ML3.9(SLC), Moment Tensor Solution, s98 Moment tensor: Scale 10^14Nm, Mir=0.18, Mw7.64, Mw=7.46;

ISCJB 10 04:27:46.3±0.1, 39°32'N, 107°01'11.151W, 0.02, h10km, mb3.9/4, MS2.8/3, Error ellipse: s-maj=1.7km s-min=1.6km

ISC 10 04:27:46.0±0.7, 39°38'N, 110°73'W, h0km, mb3.9/4, mb1.4/0.11, mb1mx3.7/52, mbtmp3.8/11, ML3.2/6, MS2.9/10,

ISC 10 04:27:47.0±0.5, 39°28'N, 102°11'15W, 0.02, h10km, n220, z206/240, mb4.0/4, MS3.0/3, Utah

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Trail Mountain, Bee Dove, Snow College, etc.

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

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

ISCJB 10 04:46:13.6±1.1, 33°44'N, 104°05'35.58E, 0.06, h7km, 5km, Error ellipse: s-maj=10.1km s-min=5.2km az=149.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like QARWL, SHBL, RCV, DORL, etc.

DDA 10 04:46:22.9, 38.80N, 43.56E, h5km, ML3.6
ISC 10 04:46:22.8, 38.81N, 43.55E, h5km, ML3.4
ISCJB 10 04:46:24.0, 0.5, 38.81N, 0.02, 43.65E, 0.04, h5km, 3km, Error ellipse: s-maj=5.4km s-min=3.2km az=12.7

CSEM 10 04:46:24.0, 0.2, 38.82N, 43.57E, h2km, ML3.6, Error ellipse: s-maj=5.3km s-min=3.6km az=100.0

ISC 10 04:46:24.9, 0.9, 38.82N, 0.02, 43.58E, 0.02, h10km, 7km, n7, e1513/94, Turkey

Main table listing station data for the first event (ISC 10 04:46:24.9). Columns include Code, Station Name, Az, Az', Phase ID, Time, Res.

Table listing station data for the second event (ISC 10 05:05:24.6). Columns include Code, Station Name, Az, Az', Phase ID, Time, Res.

ISC 10 05:05:24.6, 1.9, 120N, 125.56E, h0km, mb3.5/3, mb1 3.8/3, mb1mx3.3/3, mbtmp3.6/3, Error ellipse: s-maj=194.7km s-min=24.3km az=65.0, Northern Molucca Sea

Table listing station data for the third event (ISC 10 05:07:44.0). Columns include Code, Station Name, Az, Az', Phase ID, Time, Res.

ISCJB 10 05:07:44.0, 0.4, 38.50N, 0.03, 43.24E, 0.03, h10km, 4km, Error ellipse: s-maj=4.5km s-min=4.4km az=165.4

CSEM 10 05:07:44.0, 0.2, 38.50N, 0.03, 43.23E, h2km, ML2.7, Error ellipse: s-maj=3.7km s-min=3.2km az=163.0

DDA 10 05:07:44.1, 38.51N, 43.21E, h8km, ML3.6

ISC 10 05:07:44.1, 38.51N, 0.02, 43.23E, 0.02, h5km, 3km, n7, e1513/60, Turkey

Main table listing station data for the fourth event (ISC 10 05:07:44.1). Columns include Code, Station Name, Az, Az', Phase ID, Time, Res.

Table listing station data for the fifth event (ISC 10 05:20:20.5). Columns include Code, Station Name, Az, Az', Phase ID, Time, Res.

ISC 10 05:20:20.5, 0.8, 38.77N, 43.62E, h5km, ML2.7
ISCJB 10 05:20:21.5, 0.8, 38.74N, 0.04, 43.64E, 0.06, h7km, 7km, Error ellipse: s-maj=8.4km s-min=6.3km az=149.0

CSEM 10 05:20:21.4, 0.2, 38.75N, 43.66E, h2km, ML2.7, Error ellipse: s-maj=5.6km s-min=4.1km az=75.0

DDA 10 05:20:47.8, 38.75N, 43.67E, h10km, ML3.0

ISC 10 05:20:21.9, 1.1, 38.76N, 0.03, 43.66E, 0.03, h10km, 9km, n19, e074/34, Turkey

Main table listing station data for the sixth event (ISC 10 05:20:21.9). Columns include Code, Station Name, Az, Az', Phase ID, Time, Res.

GCMT 10 05:21:52.0, 0.4, 28.54S, 74.41E, h18km, 1km, MW4.9/66, Moment Tensor Solution, s21, c21, s66, c84, Duration: 0. Moment tensor: Scale 1019Nn, Mr=2.52e-20, Mw 1.26, 13, Mw 1.26, 12, Mw 0.48, 35, Mw 1.05, 07, Mu=0.50, 31, Best double couple: M2, 4.990e+1016, NP1=328.00000, 84.700000, A=71.00000, NP2=0.122.00000, 846.00000, A=109.00000. Principal axes: T 2.3100, P1g0.0000, Azm45.0000, N 0.3770, P1g14.0000, Azm135.0000, P=2.6870, P1g76.0000, Azm314.0000, nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s.

ISC 10 05:21:59.0, 1.1, 28.48S, 74.34E, h0km, mb4.1/8, mb1 4.2/8, mb1mx3.8/32, mbtmp4.1/8, MS3.8/20, Ms1 3.8/20, ms1mx3.6/33, Error ellipse: s-maj=37.4km s-min=23.9km az=93.0, Mid-Indian Ridge

Table listing station data for the seventh event (ISC 10 05:21:59.0). Columns include Code, Station Name, Az, Az', Phase ID, Time, Res.

Table listing station data for the eighth event (ISC 10 05:08:59.0). Columns include Code, Station Name, Az, Az', Phase ID, Time, Res.

CSEM 10 04:48:03.9, 0.2, 38.51N, 43.27E, h5km, ML3.5, Error ellipse: s-maj=5.4km s-min=5.1km az=172.0

ISCJB 10 04:48:04.5, 0.5, 38.51N, 0.03, 43.24E, 0.03, h1km, 6km, Error ellipse: s-maj=4.6km s-min=4.0km az=175.8

ISC 10 04:48:04.1, 38.47N, 43.26E, h8km, ML2.8

DDA 10 04:48:04.7, 38.52N, 43.26E, h7km, ML3.5

CSEM 10 05:08:59.0, 0.2, 38.49N, 43.22E, h2km, ML2.7, Error ellipse: s-maj=4.8km s-min=3.7km az=155.0

ISCJB 10 05:08:59.2, 0.5, 38.50N, 0.03, 43.22E, 0.03, h0km, 7km, Error ellipse: s-maj=5.1km s-min=3.9km az=149.0

ISC 10 05:08:59.1, 38.49N, 43.21E, h8km, ML2.7

DDA 10 05:08:59.0, 38.49N, 43.21E, h7km, ML3.2

ISC 10 05:08:59.0, 0.9, 38.49N, 0.02, 43.27E, 0.02, h7km, 7km, n37, e1500/56, Turkey







10d 8h

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, and other technical details. Includes stations like F10A, TOLK, HLJD, etc.

2011 NOV

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, and other technical details. Includes stations like NC303, AKASG, AKKB, etc.

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Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, and other technical details. Includes stations like BIA, DID, LTK, etc.

couple:  $M_2:44000.1014$   $NP1:90.00000^{\circ}$   $\delta 60.00000^{\circ}$   $\lambda 161.00000^{\circ}$   $NP2:90.00000^{\circ}$   $\delta 74.00000^{\circ}$   $\lambda 32.00000^{\circ}$   
 IDC 10 08:04:15.5-1.5, 38.43N-142.49E, h0km, mb3.4/2,  
 mb1 3.6/4, mb1mx3.4/2, mbtmp3.3/4, ML2.9/2, MS3.0/1,  
 Ms1 3.0/1, ms1mx2.1/2, Error ellipse: s-maj=4.0, 8.8km  
 s-min=28.5km az=118.0

ISCJB 10 08:04:21.1-0.9, 38.46N-142.0E, h1.59km, 9km,  
 mb3.5/2, Error ellipse: s-maj=14.1km s-min=6.3km  
 az=18.6

JMA 10 08:04:22.0-0.1, 38.48N-141.98E, h56km, 1km, M3.8  
 JMA Felt III  
 IDC 10 08:04:21.2-0.1, 38.46N-142.0E, h1.1km, 24km,  
 n23, c1825/27, Near east coast of eastern Honshu

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
JIO	Ouri	0.61	270	Op	ISC	h m s ISC
OFUJ	Ofunato	0.72	330	P	Pn	08 04 33.7 +0.2
OFUJ	Ofunato	0.72	330	S	Sn	08 04 41.7 -0.5
OFUJ	Ofunato	0.72	330	eS	Pn	08 04 35.5 +0.5
JMK	Ichinoseki	0.87	305	P	Pn	08 04 45.1 +0.3
JMK	Ichinoseki	0.87	305	P	Pn	08 04 37.1 +0.2
JMK	Ichinoseki	0.87	305	P	Pn	08 04 48.2 -0.2
JOU	Okura	1.15	266	P	Pn	08 04 40.6 +0.3
JOU	Okura	1.15	266	P	Pn	08 04 54.3 -1.2
JMM	Marumori	1.21	241	P	Pn	08 04 41.1 -0.5
JMM	Marumori	1.21	241	P	Pn	08 04 55.4 -1.3
JOM	Ohasama	1.21	328	P	Pn	08 04 42.0 +0.4
JOM	Ohasama	1.21	328	P	Pn	08 04 56.7 -0.1
JYK	Kaneyama	1.46	289	P	Pn	08 04 45.0 -0.1
JYK	Kaneyama	1.46	289	P	Pn	08 05 02.4 -0.6
JFK	Kawauchi	1.47	223	P	Pn	08 04 45.1 +0.1
JFK	Kawauchi	1.47	223	P	Pn	08 05 02.1 -1.2
JRG	Rokugo	1.50	309	P	Pn	08 04 45.7 +0.1
JYS	Shirataka	1.64	262	P	Pn	08 04 47.6 0.0
JYS	Shirataka	1.64	262	P	Pn	08 05 06.5 -0.9
JFT	Otama	1.70	237	P	Pn	08 04 45.2 +0.1
JFT	Otama	1.70	237	P	Pn	08 05 08.3 -0.6
ILAR	Matsushiro Arr	3.66	240	Pn	Pn	08 05 16.8 +1.5
ILAR	Matsushiro Arr	3.66	240	Pn	Pn	08 05 16.9 +1.6
ILAR	Matsushiro Arr	3.66	240	Pn	Pn	08 06 01.9 +4.7
ILAR	Matsushiro Arr	3.66	240	Pn	Pn	08 06 36.6 +0.6
PETK	Petropavlovsk	18.18	31	LR	LR	08 15 15.5
H1N2	WAKE ISLAND Hy 28.43 124	T	T	08 40 33.9		
H1N1	WAKE ISLAND Hy 28.44 124	T	T	08 40 44.8		
H1N3	WAKE ISLAND Hy 28.45 124	T	T	08 40 35.3		
H1S1	WAKE ISLAND Hy 29.00 126	T	T	08 41 29.9		
H1S3	WAKE ISLAND Hy 29.00 126	T	T	08 41 31.6		
H1S2	WAKE ISLAND Hy 29.21 126	T	T	08 41 31.1		
ILAR	Eielson Array	47.99	33	P	P	08 12 54.9 -0.8
WRA	Warramunga Arr	55.189	9	P	P	08 14 13.7 +0.1

IDC 10 08:05:02.6-1.6, 14.60S-173.84W, h0km, mb3.7/3,  
 mb1 4.0/4, mb1mx3.6/29, mbtmp3.7/4, ML4.1/1, Error  
 ellipse: s-maj=58.1km s-min=26.0km az=165.0, Samoa  
 Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
AFI	Afiatalu	2.12	71	Op	ISC	h m s ISC
AFI	Afiatalu	2.12	71	Op	ISC	08 05 39.4 +0.1
AFI	Afiatalu	2.12	71	Op	ISC	08 05 58.7 -7.7
H1S2	WAKE ISLAND Hy 38.06 329	T	T	08 53 17.2		
H1S3	WAKE ISLAND Hy 38.08 329	T	T	08 53 19.5		
H1S1	WAKE ISLAND Hy 38.08 329	T	T	08 53 20.5		
H1N3	WAKE ISLAND Hy 39.01 330	T	T	08 55 04.3		
H1N1	WAKE ISLAND Hy 39.01 330	T	T	08 55 04.4		
H1N2	WAKE ISLAND Hy 39.03 330	T	T	08 55 04.4		
WRA	Warramunga Arr	49.61	256	P	P	08 13 54.2 -2.0
ASAR	Alice Springs	49.96	251	P	P	08 14 00.3 +1.5
VNDA	Vanda	64.12	196	P	P	08 15 38.1 -0.1

IDC 10 08:49:52.9-52.0, 18.12S-178.96W, h0km, mb4.1/3,  
 mb1 4.3/3, mb1mx3.7/34, mbtmp4.1/3, Error ellipse:  
 s-maj=943.9km s-min=146.2km az=79.0, Fiji Islands  
 region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
HNR	Honiara	22.21	290	Op	ISC	h m s ISC
STKA	Stephens Creek	38.06	241	P	P	08 54 56.0 +4.9
WRA	Warramunga Arr	44.07	260	P	P	08 58 02.9 -0.2
ASAR	Alice Springs	44.23	254	P	P	08 58 03.6 -0.7

IDC 10 08:53:07.1-3.3, 41.80S-75.21W, h0km, mb4.0/3,  
 mb1 4.0/4, mb1mx3.7/20, mbtmp3.9/4, ML3.3/1, MS2.9/1,  
 Ms1 2.9/1, ms1mx2.6/15, Error ellipse: s-maj=128km  
 s-min=62.0km az=146.0, Off coast of southern Chile

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
PLCA	Paso Flores	3.67	75	Op	ISC	h m s ISC
CPUP	Villa Florida	21.42	49	P	P	08 57 55.5 0.0
CPUP	Villa Florida	21.42	49	P	P	09 05 06.1
DBIC	Dimboko	80.03	72	P	P	09 05 18.7 0.0
TORD	Torodi Ar. Bea	88.14	74	P	P	09 06 04.4 +0.1

DDA 10 08:53:59.8, 38.61N-43.18E, h7km, ML2.8  
 CSEM 10 08:54:00.5-0.3, 38.69N-43.26E, h2km, ML2.8, Error  
 ellipse: s-maj=63km s-min=5.6km az=164.0  
 ISK 10 08:54:00.1, 38.64N-43.43E, h7km, ML2.8  
 ISC 10 08:54:00.5-0.8, 38.64N-43.43E, h11km, 6km,  
 n32, c1588/51, Turkey

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
VANB	Van	0.10	118	Op	ISC	h m s ISC
VANB	Van	0.10	118	Op	ISC	08 54 03.3 -0.2
VANB	Van	0.10	118	Op	ISC	08 54 03.3 -0.2
VANB	Van	0.10	118	Op	ISC	08 54 05.8 +0.2
TVAN	Van	0.15	137	P	P	08 54 03.2 -1.1
TVAN	Van	0.15	137	P	P	08 54 07.9 +1.0
TVAN	Van	0.15	137	P	P	08 54 03.2 -1.1
TVAN	Van	0.15	137	P	P	08 54 07.9 +1.0
GEVA	Gevass	0.37	207	P	P	08 54 05.3 -2.6
GEVA	Gevass	0.37	207	P	P	08 54 12.3 -0.6
GEVA	Gevass	0.37	207	P	P	08 54 05.3 -2.6
GEVA	Gevass	0.37	207	P	P	08 54 12.4 -0.6
VMUR	Van-Muradiye	0.42	34	P	P	08 54 09.1 -0.9
VMUR	Van-Muradiye	0.42	34	P	P	08 54 17.9 +1.5
ADCV	BITLIS Adilcev	0.46	291	P	P	08 54 07.2 -2.4
ADCV	BITLIS Adilcev	0.46	291	P	P	08 54 14.6 -1.1
ADCV	BITLIS Adilcev	0.46	291	P	P	08 54 07.2 -2.4
ADCV	BITLIS Adilcev	0.46	291	P	P	08 54 14.6 -1.1
CLDR	Caldiran	0.71	45	eP	Pb	08 54 13.1 -1.9
CLDR	Caldiran	0.71	45	eS	Sb	08 54 22.0 -2.8
CLDR	Caldiran	0.71	45	iP	Pb	08 54 13.8 -1.2
CLDR	Caldiran	0.71	45	iS	Sb	08 54 28.0 +0.4
CLDR	Caldiran	0.71	45	eP	Pb	08 54 13.1 -1.9
CLDR	Caldiran	0.71	45	eS	Sb	08 54 13.8 -1.2

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
CLDR	Tutak	0.84	335	iP	Pg	08 54 22.0 -2.8
TUTA	Tutak	0.84	335	iP	Pg	08 54 15.7 -1.0
TUTA	Tutak	0.84	335	iP	Pg	08 54 26.6 -1.1
TUTA	Tutak	0.84	335	iP	Pg	08 54 15.7 -1.0
TUTA	Tutak	0.84	335	iP	Pg	08 54 26.6 -1.1
EKAR	Karacoban	1.12	303	P	Pn	08 54 22.1 -0.1
EKAR	Karacoban	1.12	303	P	Pn	08 54 14.8 +3.9
EKAR	Karacoban	1.12	303	P	Pn	08 54 22.1 -0.1
HAKT	HAKKARI	1.14	162	P	Pn	08 54 20.2 -2.2
HAKT	HAKKARI	1.14	162	P	Pn	08 54 40.6 +2.4
HAKT	HAKKARI	1.14	162	P	Pn	08 54 20.2 -2.2
HAKT	HAKKARI	1.14	162	P	Pn	08 54 40.6 +2.4
SRMT	Siirt_Merkez	1.25	239	P	Pn	08 54 22.9 -1.0
SRMT	Siirt_Merkez	1.25	239	P	Pn	08 54 40.4 +0.3
SRMT	Siirt_Merkez	1.25	239	P	Pn	08 54 22.9 -1.0
SRMT	Siirt_Merkez	1.25	239	P	Pn	08 54 40.4 +0.3
SVAN	Silvan-Diyarba	1.70	254	ePn	Pn	08 54 32.7 +2.6
SVAN	Silvan-Diyarba	1.70	254	ePn	Pn	08 54 32.7 +2.6
SENK	Senkaya-Erzuru	2.04	340	ePn	Pn	08 54 36.4 +1.4
SENK	Senkaya-Erzuru	2.04	340	ePn	Pn	08 54 36.4 +1.4
BNGB	Bingöl	2.06	281	ePn	Pn	08 54 37.8 +2.7
BING	Bingöl	2.06	281	ePn	Pn	08 54 37.8 +2.7
MAZI	Mazidag	2.52	243	ePn	Pn	08 54 42.2 +2.7
MAZI	Mazidag	2.52	243	ePn	Pn	08 54 42.2 +2.7
PTK	Pertek	3.04	276	ePn	Pn	08 54 51.8 +3.1
PTK	Pertek	3.04	276	ePn	Pn	08 54 51.8 +3.1

NNC 10 09:10:35.2-1.0, 53.11N-91.85E, h0km, mb3.7, mpv3.4,  
 7C-4D, Error ellipse: s-maj=85.1km s-min=61.9km  
 Near southwestern Siberia

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
ZAAO	Zalesovo Array	4.28	284	Op	ISC	h m s ISC
ZAAO	Zalesovo Array	4.28	284	Op	ISC	09 11 49.2 -2.0
ZAAO	Zalesovo Array	4.28	284	Op	ISC	09 12 49.9
KURK	Kurchatov	8.53	259	Op	Pn	09 12 41.8 +2.1
KURK	Kurchatov	8.53	259	Op	Pn	09 15 15.7 -0.9
KURK	Kurchatov	8.53	259	Op	Pn	09 15 04.5
KURB	Kurchatov Arr	8.61	259	Op	Pn	09 12 42.4 +1.4
KURB	Kurchatov Arr	8.61	259	Op	Pn	09 14 19.5 +0.7
KURB	Kurchatov Arr	8.61	259	Op	Pn	09 15 09.0
MK31	Makanchi Array	8.83	228	Op	Pn	09 12 47.3 +3.3
MK31	Makanchi Array	8.83	228	Op	Pn	09 14 26.2 +2.2
MK31	Makanchi Array	8.83	228	Op	Pn	09 15 16.8

NIED 10 09:16:00, 38.60N-142.40E, h44km, Mw3.5 Best double  
 couple:  $M_2:1.75000.1014$   $NP1:90.267.00000^{\circ}$   $\delta 61.00000^{\circ}$   $\lambda 12.00000^{\circ}$   
 $NP2:90.171.00000^{\circ}$   $\delta 79.00000^{\circ}$   $\lambda 150.00000^{\circ}$   
 JMA 10 09:16:08.4-0.1, 38.61N-142.38E, h38km, 2km, M3.6  
 IDC 10 09:16:14.8-10.0, 38.79N-141.41E, h0km, mb3.3/2,  
 mb1 3.5/3, mb1mx3.4/4, mbtmp3.3/3, ML2.9/1, MS1.9/1,  
 Ms1 1.9/1, ms1mx1.9/13, Error ellipse: s-maj=21.7km  
 s-min=64.5km az=169.0

ISC 10 09:16:05.2-3.3, 38.57N-142.5E-0.1, h12km, 16km,  
 n18, c190/17, Near east coast of eastern Honshu

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
OFUJ	Ofunato	0.81	309	Op	ISC	h m s ISC
OFUJ	Ofunato	0.81	309	Op	ISC	09 16 22.3 +1.6
OFUJ	Ofunato	0.81	309	Op	ISC	09 16 32.2 +0.9
JIO	Ouri	0.89	263	P	Pn	09 16 33.4 +1.1
JMK	Ichinoseki	1.05	292	P	Pn	09 16 34.1 +0.2
JMK	Ichinoseki	1.05	292	P	Pn	09 16 25.8 +0.4
JMK	Ichinoseki	1.05	292	P	Pn	09 16 38.0 -1.0
JOM	Ohas					



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VANB Van, TVAN Van, ADCV BITLIS\_Adilcev, etc.

IDC 10 11:28:20.6:2.1, 3.26S-127.59E, h0km, mb3.2/2, mb1 3.5/3, mb1mx3/3.38, mbtmp3.3/3, ML3.3/1, Error ellipse: s-maj=179.4km s-min=26.7km az=66.0, Res

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.

DDA 10 11:31:47.9, 38.68N-43.16E, h7km, Md2.6, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TVAN Van, ADCV BITLIS\_Adilcev, GEVA Gevas, etc.

CSEM 10 11:33:24.2, 39.12N-29.11E, h5km, ML2.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SIMA Simav-Kutahya, DST Dursunbey, KULA Kula-Manisa, etc.

ISCJB 10 12:04:35.5:0.4, 38.54N-0.04E, h12km, mb3.4/4, Error ellipse: s-maj=6.5km s-min=3.2km az=135.2

CSEM 10 12:04:37.4:0.4, 38.55N:11.95E, h10km, ML3.3, Error ellipse: s-maj=15.3km s-min=5.6km az=44.0

IDC 10 12:04:37.6:2.8, 38.40N:11.89E, h0km, mb3.5/4, mb1 3.5/5, mb1mx3/2.40, mbtmp3.5/5, ML3.1/1, Error ellipse: s-maj=220.5km s-min=21.2km az=129.0

ROM 10 12:04:38.1:0.4, 38.51N:11.85E, h24km, ML3.3/10, Error ellipse: s-maj=7.4km s-min=2.9km az=35.0

LDG 10 12:04:38.5:0.2, 38.43N:11.77E, h2km, Md3.4/2, ML3.3/5, Error ellipse: s-maj=14.4km s-min=3.0km az=41.0

ISC 10 12:04:38.2:0.8, 38.52N:0.04E, h12km, n60, s=146/73, mb3.6/4, Sicily

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MTGR Montagna Grand, USI Ustica, CAVT Castelvetro, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CLTB Caltabellotta, ALJA Alla, PTMD Pantelleria Cu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VSL Villasilato, CGL Cagliari Serpe, MNO Monte Sero, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MUCR Ucria, NOV Novara, MCSR Castoreale, etc.

ISC 10 12:26:25.3, 38.65N-42.95E, h27km, ML2.7

DDA 10 12:26:28.0, 38.79N-43.60E, h7km, ML2.5

CSEM 10 12:26:27.2:0.7, 38.87N:43.66E, h20km, ML2.5, Error ellipse: s-maj=17.7km s-min=9.8km az=83.0

ISCJB 10 12:26:28.6:0.9, 38.84N:0.05E-43.61E:0.09, h18km, n9km, Error ellipse: s-maj=12.6km s-min=7.1km az=17.7

ISC 10 12:26:27.0:1.1, 38.81N:0.03E-43.56E:0.05, h23km, n7km, n20, s156/26, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VMUR Van-Muradiye, ERVC ERCIS-VAN, ERVC ERCIS-VAN, etc.

ISC 10 12:27:59.7:0.5, 42.71N:24.20E, h2km, ML1.3, Error ellipse: s-maj=10.6km s-min=5.4km az=162.0, Mining explosion, Bulgaria

BEO 10 12:28:03.0:1.2, 42.63N:24.04E, h0km, M1.3/4, Mining explosion, Bulgaria

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VITS Vitoshka, ZAPS Zavojo, BARS Barje, etc.

TAP 10 12:45:04.8, 23.08N-120.92E, h6km, ML3.8, 13C-13D, C, Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ELDTW Lidau, STYT Tauyuan, TWG Pinlang, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WTP Ta-pu, CHN1 Nanshi, CHN1 Nanshi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TTN Taitung, CHN4 Tsauhsan, CHN4 Tsauhsan, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TWF1 Yuli, TWF1 Yuli, ECL Tainali, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHN3 Shinhua, CHN3 Shinhua, TWMT Shoushan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SGLT Jiouru, SGLT Jiouru, CHN5 Tsaling, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EHY Tainali, EHY Tainali, CHN2 Minsihung, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHY Chiayi, CHY Chiayi, TAI Yung-k'ang, etc.

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

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



10d 12h

Table with columns: LRAL, Lakeview, Retre, 19.67, 10, eP, Pn, 12.54, 21.4, -0.5. Includes rows for Carrollton, Lajitas Ar, Lajitas Array, Winton, Long Farm, Irene McRaven, Northport, Pogue Cattle, White Oak Lake, Yeager Farm, Blue Ridge, Egglett Beard, Houston, Strider, Charl, Santo Domingo, UCPARC, Winiwie, Okolona, Lockesburg, Idabel, Abilene, Hawle, Abilene, Hawle, Hugo, UM Field Stati, Godfrey, Oxford, Stuttgart, Basin Creek Fa, Marietta, Mount Ida, Mount Ida, Fountain Ranch, University of, La Paz, Whitesboro, Clayton, Clayton, Pickwick Lake, Drake, Drake, Centrahoma, Bald Knob, Greenbrier Sit, WHAR, WHAR, Poteau, Magazine, Quinton, Quinton, Wetumka, Wetumka, Mountainview, Tecumseh, Tecumseh, Witts Springs, Wichita, Mounta, Wichita, Mounta, Halls, Pettigrew, Canehill, Cornudas, Cornudas, Lake Joacesse, Cooper Cave, Hulbert, Jenks, Jenks, Waverly, Leonard, Leonard, Yellville, Hobbs, Green Forest, Tackleeche, Tackleeche, Salina, Salina, Kings Mountain, Oologah, Pawnee, Pawnee, Mountain View, Amarillo, Clever, Mansfield.

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Table with columns: T38A, Diamond, T37A, Cheneyville 18, T35A, Sooner Cattle, T36A, Boggs Farm, S40A, Lebanon, T34A, McClaskey Farm, S44A, Stockton, S38A, Stockton, S39A, Bolivar, S37A, Fort Scott, CCM, Cathedral Cave, S36A, Lake Cedric, CBYP, Canovanas, 121A, Cooke's Peak, 121A, Cooke's Peak, S35A, Otter Creek Ra, 319A, Douglas, R40A, Maddies Statio, R38A, Fenwick Farm, S34A, Willow Spring, S39A, Chumby, Stover, WCI, Wyandotte Cave, WCI, Teagarden Farm, R36A, Gordon, Harris, BNM, Barres Site, R35A, Emporia Munci, Y22D, IRIS PASCAL I, Y22D, IRIS PASCAL I, LPM, Los Pinos Moun, OLIL, Olney, Q42A, Golden Eagle, Q41A, Truxton, R34A, Isabella, Hill, Q43A, New Douglas, Q38A, Cooke's Store, C, VVCC, Virginia Weste, VVCC, W25, 25.47, ANMO, Albuquerque, ANMO, Albuquerque, Q35A, Mercer Eighty, Q36A, Arnold C. Orve, Q34A, Chapman, KSU1, Kansas State U, TUC, Tucson, TUC, Tucson, T36A, Good Intent, A, P35A, Duane Minner, T25A, Trinidad, X18A, Snowflake, X16A, Lo Mia Camp, P, S22A, 4UR Ranch, Cre, S22A, Mesa Verde, MVCO, Mesa Verde, MVCO, Mesa Verde, Y14A, Wickenburg, WUAZ, Wupatki, WUAZ, Wupatki, K37A, Belmont, PV04, Paradox Valley, PDMC1, Parker Dam, Lak, U15A, North Rim, W13A, Hualapai Mount, W13A, KNB, Kanab, PFO, Pinyon Flats O, LCMT, Little Creek M, MTPU, Mount Pierson, Q16A, Castle Valley, SZCU, Shurtz Canyon, SZCU, Cedar City, CCUT, Cedar City, P17A, Butcher Ranch, HEC, Hector, Ludlow, TMUT, Trail Mountain, SHPR, Sheep Range, IMPU, Maple Canyon, MWC, Mount Wilson, LRMC, Laurel Mtn Ran, R11A, Troy Canyon, SC22, Santa Cruz Isl, ARVC, Arvin, GRAC, Grapevine Rang, PDAR, Pinalde Array, PDAR, Pinalde Array, PDAR, Pinalde Array, PDAR, Pinalde Array, BGU, Big Grassy Mou, BGU, Big Grassy Mou, PTGA, Pitinga.

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Table with columns: VES, Vestal, Richgr, 33.72, 336, P, P, 12.56, 34.2, +2.6. Includes rows for HUJ, Havel Valley, RCTC, Rector, Farmer, REDW, Red Top Meadow, SNOW, Snow King Moun, PAGB, Antelope Grade, AGMM, Agassiz Nation, BNM, Battle Moutai, SAML, Samuel, A33A, Warroad, WAKR, Walker, YERR, Yerington, YERR, Yerington, CMB, Columbia Coile, PNTR, Pine King Moun, HLID, Hailey, HLID, Hailey, PAHR, Pah Ray Range, MCMT, McKenzie Canyon, MSJ, Mission San Jo, ULM, ULM, Mission San Jo, ULM, ULM, ULM, Mission San Jo, ULM, Mission San Jo, WVOR, Wild Horse Val, O03D, Paynes Creek, J08A, Circle Bar Ran, MOD, Modoc Plateau, MNMC, Minye Mine, M04C, Macdoel, I07A, Ize, F10A, Beach Ranch, J04D, Umpqua Nation, I05D, Terrebonne, OR, I04A, Tendick Farm, C09A, Chrisman Ranch, LON, Longmire, SCHQ, Scherville, CPUP, Villa Florida, CPUP, Villa Florida, PLCA, Paso Flores, ILAR, Elison Array, PPT, Papeete, PPT2, Papeete, TBI, Tubuai, TBI, Tubuai, NOA, NORARS Array B, TIC, Toumudi, LIC, Lamto, LBC, Dimboko, KIC, Kosan Boka, ARCES, ARCESS Array B, GERES, GERESS Array B, TORD, Torodi Ar. Bea, TORD, Torodi Ar. Bea, FINES, FINESS Array B, PETK, Petropavlovsk, ZALV, Zalesov Beam, SONM, Songo Array, BOSA, Boshof, MKAR, Makanchi Array, MKAR, Makanchi Array, KSH, Kashi, KSH, Kashi, KSH, Kashi, LZH, Lanzhou, LZH, Lanzhou, WR2, Chengdu, WDA, Warramunga Arr, FITZ, Fitzroy Cross, CHMT, Chiang Mai, LAMP, Lampang, CMAR, Chiang Mai, CMAR, Chiang Mai, UTA, Utartad, KHON, Khomkaen, SUKH, Sukhothai, PHIT, Phitsanulok, UTHA, Uthaitani, KRAB, Krabi.

ISCJB 10 12:58:48.3:0.6, 38:50N:01:03:43:24E:0.05, h1km:8km, Error ellipse: s-maj=7.1km s-min=4.6km az=39.6 CSEM 10 12:58:48.1:0.2, 38:49N:01:43:26E, h0km:3km, ML2.8, Error

ellipse: s-maj=5.9km s-min=4.0km az=125.0
DDA 10 12:58:48.0,38.47N,43.25E,h7km,ML3.2
ISK 10 12:58:48.0,38.47N,43.27E,h7km,ML2.8
ISC 10 12:58:48.0,38.49N,0.03,43.26E,0.03,h6km,gkm,
n45,c088/55,Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like TVAN, VANB, GEVA, BITLIS Adilcev, etc.

CSEM 10 13:04:27.3,0.4,38.73N,43.47E,h34km,4km,ML2.6
Error ellipse: s-maj=13.1km s-min=6.3km az=125.0
ISK 10 13:04:27.1,38.72N,43.53E,h30km,ML2.6
ISCJB 10 13:04:28.0,0.3,38.82N,0.03,43.36E,0.07,h13km,Error
ellipse: s-maj=7.9km s-min=4.2km az=21.0
DDA 10 13:04:28.5,38.79N,43.35E,h7km,ML2.6
ISC 10 13:04:29.2,1.0,38.80N,0.03,43.39E,0.04,h13km,n15,
c095/21,Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like VANB, ERVC, VMUR, TVAN, ADCV, etc.

IDC 10 13:06:56.9,1.5,0.56N,122.19E,h0km,mb3.4/3,
mb1 3.8/4,mb1mx3/5.36,mbtm3/6.4,ML4.0/1,Error
ellipse: s-maj=130.3km s-min=23.0km az=64.0
ISCJB 10 13:07:01.7,1.3,0.7N,0.1,121.7E,0.1,h148km,mb3.3/3,
Error ellipse: s-maj=17.0km s-min=1.8km az=138.2
DJA 10 13:07:04.5,0.7,1.7N,6.12E,h97km,7km,MB3.9/4,
mb4.4/2,mb4.4/2,ML3/6,MW(MB)3/6.2
ISC 10 13:07:02.1,1.7,0.9N,0.1,121.65E,0.09,h148km,n11,
c392/13,mb3.3/3,Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like MRSI, APSI, MPMI, TTSI, SPSI, BNSI, FITZ, WRA, ASAR, MKAR, etc.

DDA 10 13:11:50.8,39.15N,29.11E,h21km,ML3.7
ISK 10 13:11:50.6,39.13N,29.15E,h3km,ML3.6
ISCJB 10 13:11:51.2,0.4,39.14N,0.02,29.12E,0.02,h5km,4km,
Error ellipse: s-maj=3.3km s-min=3.3km az=169.6
CSEM 10 13:11:51.3,0.1,39.13N,29.14E,h2km,ML3.6,Error
ellipse: s-maj=2.5km s-min=2.3km az=92.0
ISC 10 13:11:51.2,0.9,39.13N,0.02,29.14E,0.02,h10km,gkm,
n137,c1901/154,9C-2D,Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like SIMA, GDZ, DEMI, TVSB, TVSV, KULA, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like MRSI, APSI, MPMI, TTSI, SPSI, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like GEVA, ADCV, BITLIS Adilcev, VMUR, etc.

IDC 10 13:18:43.2,3.7,19.04N,63.80W,h0km,mb3.4/3,
mb1 3.8/3,mb1mx3/5.32,mbtm3/6.4/3,Error ellipse:
s-maj=82.0km s-min=40.7km az=126.0
ISCJB 10 13:18:49.9,1.0,19.26N,0.05,64.36W,0.04,h31km,gkm,
mb3.3/3,Error ellipse: s-maj=8.8km s-min=6.8km az=2-2.2
NEIC 10 13:18:52.2,0.0,19.19N,64.35W,h10km,MD3.8(RSPR),
After RSPR
RSPR 10 13:18:52.2,19.19N,64.35W,h10km,1km,MD3.8/9
ISC 10 13:18:48.9,1.4,19.20N,0.05,64.27W,0.04,h18km,gkm,
n54,c081/73,mb3.5/3,20C-15D,Virgin Islands

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like BARC, ZARC, RUSL, NORC, TXAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GEVA, ADCV, BITLIS, ERV, etc.

ISK 10 13:26:11.5, 38:75N:43:49E, h10km, ML2.5
CSEM 10 13:26:11.6, 38:73N:43:40E, h10km, ML2.5, Error
ellipse: s-maj=8.2km s-min=5.6km az=109.0

DDA 10 13:26:12.6, 38:70N:43:33E, h7km, MI3.0
ISC 10 13:26:11.6-0.9, 38:75N:0:02:43.40E:0.03, h13km, 8km,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VANB, ERV, GEVA, etc.

ISC 10 13:28:16.0, 10.0, 13:22S:166:36E, h118km, 111km,
mb3.3, mb1 3.7/4, mb1mx3.9/30, mbtmp3.8/4, ML4.2/1,
Error ellipse: s-maj=84.6km s-min=30.7km az=156.0,

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

ISK 10 13:29:30.3, 38:94N:43:52E, h16km, MD2.3
ISCJB 10 13:29:31.0, 38:99N:0:04:43.49E:0.07, h10km, 8km,
Error ellipse: s-maj=9.8km s-min=5.8km az=23.6

CSEM 10 13:29:31.6, 0.2, 38:97N:43:53E, h10km, ML2.8, Error
ellipse: s-maj=6.7km s-min=5.3km az=120.0

DDA 10 13:29:32.1, 38:94N:43:55E, h10km, MI2.8
ISC 10 13:29:31.8-1.0, 38:97N:0:03:43.52E:0.03, h11km, 6km,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VMUR, ERV, CLDR, etc.

ISK 10 13:30:17.9, 38:86N:43:47E, h5km, MD2.5
DDA 10 13:30:19.7, 38:78N:43:59E, h7km, MI2.7
CSEM 10 13:30:19.9, 0.3, 38:90N:43:49E, h5km, ML2.7, Error
ellipse: s-maj=8.9km s-min=5.3km az=121.0

ISCJB 10 13:30:20.0-0.7, 38:90N:0:04:43.45E:0.08, h13km, Error
ellipse: s-maj=9.3km s-min=4.4km az=26.9

ISC 10 13:30:20.2-1.1, 38:86N:0:03:43.51E:0.04, h13km, n14,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VMUR, ERV, VANB, etc.

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

MOS 10 13:49:37.3:2.1, 52:87N:108:71E, h5km, mb4.3/1, Error
ellipse: s-maj=27.2km s-min=18.0km az=140.1
BYKL 10 13:49:38.4:0.2, 52:86N:108:51E, h27km, 3km

ISC 10 13:49:37.0-1.1, 52:86N:0:02:108.66E:0.02, h3km, 10km,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KCLR, MXMB, TRTB, etc.

ISC 10 13:49:37.0-1.1, 52:86N:0:02:108.66E:0.02, h3km, 10km,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like OGRR, SYVR, TRG, etc.

ISC 10 13:53:22.7:2.3, 17:72S:175:17W, h232km, 26km, mb3.8/7,
mb1 4.0/8, mb1mx3.6/22, mbtmp4.4/8, Error ellipse:
s-maj=35.8km s-min=15.6km az=121.0

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KAB, STDB, BGT, etc.

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

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

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

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

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

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

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

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

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

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

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

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

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

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

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

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

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

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

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

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

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

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

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

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

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

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

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

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

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

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

ISC 10 13:53:23.7:1.1, 17:75S:0:22:174.8W:0.2, h256km, n9,

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



10d 17h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include ERVC, ERVCIS-VAN, GEVA, etc.

IDC 10 16:03:54.0:10.0, 12.93S, 166.99E, h295km, 110km, mb3.3/4, mbl 3.4/5, mblmx3.1/30, mbtmp3.9/5, Error ellipse: s-maj=97.8km s-min=27.6km az=157.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include DZM, DZM, WRA, WRA, etc.

ISK 10 16:17:11.8, 38.47N, 43.24E, h5km, ML2.4 CSEM 10 16:17:12.9:0.3, 38.45N, 43.37E, h8km, ML2.5, Error ellipse: s-maj=8.1km s-min=6.2km az=97.0

ISCJB 10 16:17:13.4:0.6, 38.46N, 0.04:43.36E:0.05, h9km, 4km, Error ellipse: s-maj=7.4km s-min=5.4km az=33.6

DDA 10 16:17:13.5, 38.44N, 43.36E, h7km, ML2.5 ISC 10 16:17:13.0:0.9, 38.46N, 0.03:43.43E:0.04, h7km, 6km, n20, 0.95/37, Turkey

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

IDC 10 16:28:33.9:3.2, 36.03N, 70.52E, h70km, 29km, mb3.5/12, mbl 3.7/18, mblmx3.5/44, mbtmp3.9/18, MS2.6/2, Ms1 2.6/2, ms1mx2.2/39, Error ellipse: s-maj=23.0km s-min=15.7km az=16.0

ISCJB 10 16:28:34.4:0.5, 36.18N, 0.04:70.66E:0.06, h100km, mb3.6/11, Error ellipse: s-maj=8.0km s-min=4.3km az=150.3

NNC 10 16:28:39.5:3.0, 36.16N, 70.33E, h156km, 25km, mb3.3, mpv4.1, Error ellipse: s-maj=26.8km s-min=17.4km az=160.0

ISC 10 16:28:35.9:0.6, 36.20N, 0.06:70.55E:0.06, h100km, n47, 0.25/53, mb3.5/11, 7CZ-7D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include DZET, DZET, AML, AML, etc.

2011 NOV

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include KBK, KBK, CHMS, CHMS, etc.

ISCJB 10 16:35:41.6:0.5, 4.71N, 0.04:76.37W:0.05, h118km, 5km, mb3.3/4, Error ellipse: s-maj=8.9km s-min=6.4km az=0.8

RSNC 10 16:35:44.0:0.9, 4.70N, 76.34W, h96km, 6km, ML3.7 IDC 10 16:35:45.2:2.8, 4.71N, 76.18W, h147km, 23km, mb3.0/4, mbl 3.4/5, mblmx3.2/31, mbtmp3.9/5, Error ellipse: s-maj=12.1km s-min=7.7km az=33.0

ISC 10 16:35:42.0:0.9, 38.72N, 0.04:76.39W:0.06, h111km, 7km, n18, 0.16/27, mb3.3/4, Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include PLMC, PLMC, HELC, HELC, etc.

IDC 10 16:48:30.9:1.8, 5.68S, 131.06E, h0km, mb3.9/2, mbl 3.8/4, mblmx3.4/25, mbtmp3.7/4, ML3.5/5, Error ellipse: s-maj=129.7km s-min=24.4km az=68.0

ISCJB 10 16:44.8:0.7, 6.21S, 0.05:130.71E:0.08, h150km, mb4.0/3, Error ellipse: s-maj=12.4km s-min=6.1km az=159.4

NEIC 10 16:48:46.5:0.8, 6.03S, 130.56E, h136km, 11km, mb4.1/5, Error ellipse: s-maj=12.3km s-min=10.1km az=56.0

ISC 10 16:48:46.0:0.7, 6.12S, 0.06:130.67E:0.07, h150km, n20, 0.35/23, mb3.8/3, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include SAUK, SAUK, FAUK, FAUK, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include SOEI, SOEI, KAPI, KAPI, etc.

MAN 10 16:52:23.10:10N, 126.19E, h11km, mb4.6, ML3.5, MS3.4, 3C-3D, Philippine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include SCPH, SCPH, BUTP, BUTP, etc.

IDC 10 16:58:15.1:1.1, 0.538S, 128.79E, h250km, 133km, mb2.5/1, mbl 3.1/4, mblmx2.8/30, mbtmp3.7/4, Error ellipse: s-maj=72.7km s-min=47.4km az=45.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include FITZ, FITZ, WRA, WRA, etc.

ISC 10 17:08:05.5, 38.71N, 43.10E, h14km, ML2.2 ISCJB 10 17:10.0:0.5, 38.73N, 0.03:43.10E:0.04, h2km, 9km, Error ellipse: s-maj=5.1km s-min=4.6km az=162.2

CSEM 10 17:10:09.5:0.2, 38.73N, 43.11E, h8km, ML2.6, Error ellipse: s-maj=5.1km s-min=4.6km az=127.0

DDA 10 17:10:09.6, 38.70N, 43.12E, h7km, ML2.6 ISC 10 17:10:09.1:1.1, 38.72N, 0.02:43.11E:0.02, h11km, 9km, n19, 0.97/37, Turkey

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

IDC 10 17:13:59.1:2.2, 4.12N, 129.29E, h0km, mb3.5/4, mbl 3.7/4, mblmx3.5/36, mbtmp3.5/4, Error ellipse: s-maj=107.8km s-min=23.1km az=63.0, North of Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include WRA, WRA, ASAR, ASAR, etc.

CSEM 10 17:19:35.9:0.1, 43.86N, 7.39E, h5km, ML2.9/19, Error ellipse: s-maj=3.0km s-min=2.5km az=157.0

ISCJB 10 17:19:35.0:0.3, 43.86N, 0.02:7.39E:0.02, h13km, 1km, Error ellipse: s-maj=3.0km s-min=2.4km az=157.3

ROM 10 17:19:36.4:0.4, 43.89N, 7.45E, h8km, 3km, Md2.5/13, Wl2.2/9, Error ellipse: s-maj=8.4km s-min=2.0km az=24.0

GEN 10 17:19:36.4, 43.86N, 7.41E, h2km, ML2.3 LDG 10 17:19:36.4:0.1, 43.81N, 7.43E, h2km, Md2.9/4, Md2.9/16, Error ellipse: s-maj=2.4km s-min=1.7km az=163.0

STR 10 17:19:36.0±0.5, 43.89N, 7.47E, h2km, MI2.9, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0

ISC 10 17:19:35.5±0.8, 43.84N, 0.02-7.44E, 0.02, h13km, 4km, n85, c078/146, Near south coast of France

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Lists various seismic stations and their associated data points.

Table with columns: LPL, eSg, Sg, Pn. Lists seismic events with their respective station codes and magnitudes.

NNC 10 17:24:59.2±1.3, 44.83N, 78.79E, h0km, mb2.8, mpv2.5, Error ellipse: s-maj=14.5km s-min=7.3km az=94.0

SOME 10 17:25:01.1, 44.83N, 78.78E, h25km, ISC 10 17:24:59.8±1.2, 44.81N, 0.03-78.79E, 0.04, h0km, 11km, n122, c1522/39, 14C-5D, Eastern Kazakhstan

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Lists seismic stations and their associated data points.

KURK 2.6mm, 1.0s flLg Lg 17 28 05.6

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Lists seismic stations and their associated data points.





HCY		eSn	Sn	17 27 48.4 +1.2	SOKA	comp=N,12nm,0.5s	i/Sn	Sn	17 29 44.0 -3.6	FETA	comp=Z,1.7nm,0.9s	Sn	Sn	17 30 39.6 -1.8		
HCY	Herceg Novi	4.77 329	i/Pn	17 27 48.4 +1.2	SOKA	Soboth	9.66 331	Pn	Pn	17 27 59.7 +0.5	MOTA Moosalm	11.89 322	i/Pn	Pn	17 28 29.5 -0.3	
KOME	Kolasin	4.77 339	i/Pn	17 26 53.9 +1.7	OBKA	comp=N,11nm,0.4s,SNR=23	9.71 329	i/Pn	Pn	17 28 00.0 0.0	MOTA	comp=Z,5.4nm,0.7s,SNR=46	i/Sn	Sn	17 30 38.4 -4.0	
KOME	Kolasin	4.77 339	eSn	17 27 48.6 +1.2	OBKA	comp=N,43nm,0.7s		i/Sn	Sn	17 29 47.3 -1.7	MOTA Moosalm	11.89 322	Pn	Pn	17 28 29.5 -0.3	
NKME	Niksic	4.87 334	ePn	17 26 54.7 +1.2	OBKA	Obir	9.71 329	Pn	Pn	17 28 00.0 0.0	OJC Ojcow	11.89 354	ePn	Pn	17 28 36.9 +7.2	
NKME	Niksic	4.87 334	eSn	17 27 51.4 +1.6	OBKA	comp=N,11nm,0.7s,SNR=12		Sn	Sn	17 29 47.3 -1.7	OJC	11.89 354	ePn	Pn	17 28 36.9 +7.2	
NKME	Niksic	4.90 335	eSn	17 27 51.7 +1.2	TRPA	Tarpa	9.73 311	ePn	Pn	17 28 02.8 +2.8	BTCH Batrach	11.90 97	ePn	Pn	17 28 35.9 +6.0	
NKY	Niksic	4.90 335	eSn	17 26 54.7 +0.8	TRPA	Vilalato	9.77 280	ePn	Pn	17 28 00.4 -0.2	BTCH	11.90 97	ePn	Pn	17 28 36.1 +6.2	
NKY	Niksic	4.90 335	ePn	17 27 51.7 +1.2	TRPA	Vilalato	9.77 280	ePn	Pn	17 28 00.5 -0.2	DRWC Darouich	11.91 94	ePn	Pn	17 28 33.3 +3.2	
CUC	Castrocuoco	4.94 291	ePn	17 26 56.1 +1.7	CSS	Matias	9.85 107	ePn	Pn	17 28 01.1 -0.7	DRWC	11.91 94	ePn	Pn	17 28 33.3 +3.4	
CUC	Castel del Mon	5.05 304	ePn	17 26 55.4 -0.6	CSS	Milistii Mici	9.85 107	ePn	Pn	17 28 01.1 -0.7	GEAD GERRSS Array S	11.96 333	ePn	Pn	17 28 31.1 +0.4	
TREB	Trebinje	5.05 329	i/Pn	17 26 55.4 -0.6	MILL	Milistii Mici	9.93 291	i/Pn	Pn	17 28 07.6 +4.8	GEAD GERRSS Array S	11.96 333	ePn	Pn	17 28 31.1 +0.4	
KARP	Karpathos	5.13 122	P	17 27 00.5 +3.4	ARSA	Arzberg	9.97 334	i/Pn	Pn	17 28 02.5 -1.0	GEAD GERRSS Array S	11.97 333	ePn	Pn	17 28 31.4 +0.6	
KARP	Karpathos	5.13 122	ePn	17 26 59.2 +2.1	ARSA	comp=N,26nm,0.8s		i/Sn	Sn	17 29 56.0 +0.8	GEAD GERRSS Array B	11.97 333	ePn	Pn	17 28 31.4 +0.6	
KARP	Karpathos	5.13 122	ePn	17 26 59.2 +2.1	ARSA	comp=N,7.2nm,0.6s		Sn	Sn	17 28 02.5 -1.0	GEAD GERRSS Array B	11.97 333	ePn	Pn	17 28 31.4 +0.6	
BRY	Bratogost	5.14 332	ePn	17 26 57.6 +0.4	ARSA	comp=N,26nm,0.8s		Sn	Sn	17 29 56.0 +0.8	GERES	comp=Z,0.9nm,0.3s,baz=156,slow=14,SNR=30	Sn	Sn	17 30 42.9 -1.3	
BRY	Bratogost	5.14 332	eSn	17 27 57.5 +1.0	ARSA	comp=N,7.2nm,0.6s		Sn	Sn	17 28 02.5 -1.0	GERES	comp=Z,1.1nm,0.3s,baz=152,slow=23,SNR=4.5	LR	LR	17 33 52.9	
BRY	Bratogost	5.14 332	eSn	17 26 57.6 +0.4	KIS	Kishinev	10.00 29	ePn	Pn	17 28 06.0 +2.2	GLL Jalalah	12.02 134	P	Pn	17 28 28.4 -3.2	
BOVS	Bovan	5.22 359	ePn	17 26 59.2 +1.0	KIS	Kishinev	10.00 29	ePn	Pn	17 28 06.0 +2.2	BIDA Balza	12.11 102	ePn	Pn	17 28 37.2 +4.4	
PLE	Pljevlja	5.25 340	i/Pn	17 27 00.3 +1.5	KIS	Terra Mystica	10.04 339	ePn	Pn	17 28 05.1 +1.8	BIDA Balza	12.11 102	ePn	Pn	17 28 36.7 +3.9	
PLE	Pljevlja	5.25 340	i/Pn	17 27 00.3 +1.5	KIS	comp=N,3um,12.0s		Sn	Sn	17 29 55.2	DAVOD Dros/Dischmat	12.14 317	Pn	Pn	17 28 34.1 +0.9	
UPM	Unac-Piva	5.28 336	i/Pn	17 27 00.3 +1.1	KIS	Kishinev	10.00 29	eS	Sn	17 28 06.0 +2.2	DAVOD	comp=Z,1.4nm,0.3s,baz=324,slow=17,SNR=15	Sn	Sn	17 30 45.6 -2.8	
UPM	Unac-Piva	5.28 336	i/Pn	17 27 00.3 +1.1	KIS	comp=N,1um,12.0s		MLR	MLR	17 29 52.0 -3.7	RETA Reutte	12.16 322	i/Pn	Pn	17 30 33.1 -0.3	
IVAS	Ivanjica	5.32 347	i/Pn	17 27 00.6 +1.0	KIS	comp=E,2um,12.0s		MLR	MLR	17 28 06.0 +2.2	RETA	comp=Z,7.0nm,0.6s	eSn	Sn	17 28 46.7 -2.1	
TURN	Turunc	5.59 104	i/P	17 27 01.9 +5.9	KIS	comp=Z,3um,12.0s		MLR	MLR	17 28 06.0 +2.2	RETA	comp=Z,7.0nm,0.6s	Sn	Sn	17 30 46.7 -2.1	
TURN	Monte Sant'Ang	5.59 308	i/Sn	17 28 06.0 -1.5	KIS	comp=Z,3um,12.0s		MLR	MLR	17 28 06.0 +2.2	KRCL	Krailky	12.21 344	ePn	Pn	17 28 34.2 +0.2
MSI	DENIZLI Tavas	5.67 97	P	17 27 06.6 +2.0	KIS	Kishinev	10.00 29	ePn	Pn	17 28 06.1 +1.8	KRCL	Krailky	12.21 344	ePn	Pn	17 28 34.2 +0.2
TAVA	DENIZLI Tavas	5.67 97	P	17 27 06.6 +2.0	SOP	Sopron	10.04 339	P	Pn	17 28 06.1 +1.8	SOP	Sopron	10.04 339	P	Pn	17 28 34.2 +0.2
BBLs	Lazi&263;i	5.75 342	i/Pn	17 27 06.6 +2.0	SOP	Sopron	10.04 339	P	Pn	17 28 06.1 +1.8	TUE Stuetta	12.23 315	ePn	Pn	17 28 35.0 +0.4	
DIVS	Divibare	5.85 347	i/Pn	17 27 07.4 +0.4	KECS	Kecovo	10.12 355	ePn	Pn	17 28 06.9 +1.5	TUE	12.23 315	ePn	Pn	17 28 35.0 +0.4	
VAE	Valguarnera	5.94 263	Pn	17 27 10.9 +2.7	KECS	Kecovo	10.12 355	ePn	Pn	17 28 06.9 +1.5	KHC Kasperske Hory	12.26 334	ePn	Pn	17 28 35.0 +0.4	
VAE	comp=E,5.8nm,0.3s,baz=60,slow=16,SNR=8			17 28 16.7 +0.6	KECS	Kecovo	10.12 355	ePn	Pn	17 28 06.9 +1.5	KHC	ex	x	Sn	17 28 44.2	
HAPS	Han Pjiesak,BI	6.07 340	ePn	17 27 09.3 -0.7	KECS	Kecovo	10.12 355	ePn	Pn	17 28 06.9 +1.5	KHC	AMS	AMS	AMS	17 30 50.5 -0.6	
SRE	Strehsa	6.37 339	i/Pn	17 27 16.2 +2.7	MYKA	Terra Mystica	10.19 326	ePn	Pn	17 28 06.2 -0.3	KHC	comp=Z,2um,10.8s	ePn	Pn	17 28 35.1 +0.4	
MDVR	Moldovita	6.37 359	S	17 28 29.0 +2.4	MYKA	comp=Z,15nm,0.7s		i/Sn	Sn	17 29 58.0 -2.7	KHC	Kasperske Hory	12.26 334	ePn	Pn	17 28 35.1 +0.4
MDVR	Moldovita	6.37 359	S	17 28 29.0 +2.4	MYKA	comp=Z,3.8nm,0.5s,SNR=6.4		Pn	Pn	17 28 07.2 -0.3	KHC	Kasperske Hory	12.26 334	ePn	Pn	17 28 35.0 -0.6
TEKS	Tekeris	6.37 345	i/Pn	17 27 14.5 +0.4	UZH	Uzhgorod	10.22 2	ePn	Pn	17 28 07.0 +0.2	MMAI	Kasperske Hory	12.26 334	ePn	Pn	17 28 35.1 +0.4
WDD	Wied Dalam	6.38 248	ePn	17 27 13.4 -0.8	UZH	Uzhgorod	10.22 2	ePn	Pn	17 28 07.0 +0.2	MMAI	Mount Meron Ar	12.27 112	Pn	Pn	17 28 34.5 -0.5
WDD	Wied Dalam	6.38 248	ePn	17 27 13.4 -0.8	UZH	comp=N,2um,10.0s		MLR	MLR	17 30 01.8 +0.6	DAVA	Damuels	12.46 319	ePn	Pn	17 28 38.9 +1.3
HERR	Herculiane	6.48 4	i/Pn	17 27 15.6 +0.1	UZH	Uzhgorod	10.22 2	ePn	Pn	17 28 07.0 +0.2	DAVA	comp=Z,8.8nm,0.8s	i/Sn	Sn	17 28 38.9 +1.3	
AKAS	Kas	6.56 107	ePn	17 27 18.5 +1.7	UZH	Uzhgorod	10.22 2	ePn	Pn	17 28 07.0 +0.2	DAVA	comp=Z,3.1nm,0.6s	Sn	Sn	17 28 38.9 +1.3	
AKAS	Kas	6.56 107	ePn	17 27 18.5 +1.7	UZH	comp=E,600nm,10.0s		MLR	MLR	17 30 01.8 +0.6	DAVA	Damuels	12.46 319	Pn	Pn	17 28 38.9 +1.3
CLTB	Caltabellotta	6.86 266	ePn	17 27 23.2 +2.4	UZH	Uzhgorod	10.22 2	ePn	Pn	17 28 07.0 +0.2	DAVA	comp=Z,8.8nm,0.8s	Sn	Sn	17 28 38.9 +1.3	
CLTB	Caltabellotta	6.86 266	ePn	17 27 23.2 +2.4	UZH	Uzhgorod	10.22 2	ePn	Pn	17 28 07.0 +0.2	DAVA	comp=Z,3.1nm,0.6s	eSn	Sn	17 28 35.1 -0.1	
DOB	Doboj	6.91 337	ePn	17 27 20.6 -0.8	UZH	Uzhgorod	10.22 2	ePn	Pn	17 28 07.0 +0.2	BRBR	Barbar	12.48 109	ePn	Pn	17 28 37.9 -0.1
EOLV	Evoladin	7.15 85	ePn	17 27 27.4 +2.5	UZH	Uzhgorod	10.22 2	ePn	Pn	17 28 07.0 +0.2	BRBR	Barbar	12.48 109	ePn	Pn	17 28 37.9 -0.1
LOTU	Lotru	7.18 111	i/Pn	17 27 27.4 +2.5	UZH	Uzhgorod	10.22 2	ePn	Pn	17 28 07.0 +0.2	GOPC	GO Pecny, Ondr	12.55 339	ePn	Pn	17 28 42.4 +3.6
MTUR	Matau	7.22 181	i/Pn	17 27 24.7 -1.1	UZH	Uzhgorod	10.22 2	ePn	Pn	17 28 07.0 +0.2	GOPC	GO Pecny, Ondr	12.55 339	ePn	Pn	17 28 42.4 +3.6
BLY	Banja Luka	7.23 333	ePn	17 27 25.9 +0.1	VYHS	Vyhne	10.31 349	ePn	Pn	17 28 08.2 +0.1	GOPC	GO Pecny, Ondr	12.55 339	ePn	Pn	17 28 42.4 +3.6
BLY	Banja Luka	7.23 333	ePn	17 27 25.9 +0.1	VYHS	Vyhne	10.31 349	ePn	Pn	17 28 08.2 +0.1	GOPC	GO Pecny, Ondr	12.55 339	ePn	Pn	17 28 42.4 +3.6
ARR	Arges	7.26 161	i/Pn	17 27 27.3 +1.0	VYHS	Vyhne	10.31 349	ePn	Pn	17 28 08.2 +0.1	GOPC	GO Pecny, Ondr	12.55 339	ePn	Pn	17 28 42.4 +3.6
WJR	Wojran	7.42 181	i/Pn	17 27 27.3 +1.0	VYHS	Vyhne	10.31 349	ePn	Pn	17 28 08.2 +0.1	GOPC	GO Pecny, Ondr	12.55 339	ePn	Pn	17 28 42.4 +3.6
SLUM	Salum	7.44 157	P	17 27 27.6 -1.2	VYHS	Vyhne	10.31 349	ePn	Pn	17 28 08.2 +0.1	GOPC	GO Pecny, Ondr	12.55 339	ePn	Pn	17 28 42.4 +3.6
SLUM	AMP			17 28 00.0	KEST	Kesra	10.33 259	ePn	Pn	17 28 08.2 +0.1	GOPC	GO Pecny, Ondr	12.55 339	ePn	Pn	17 28 42.4 +3.6
SLUM	comp=E,190um,0.5s,log/T=5.5,baz=161			17 27 27.6 -1.2	KEST	comp=Z,0.2nm,0.3s,baz=34,slow=3.6,SNR=3.6		LR	LR	17 32 16.8	DPC Dobruska-Polom	12.56 344	ePn	Pn	17 28 40.1 +1.2	
AQU	L'Aquila	7.54 304	ePn	17 27 30.3 +0.1	KEST	comp=Z,154nm,20.5s,baz=3.0,slow=38		LR	LR	17 28 09.2 +0.7	DPC	ex	x	Sn	17 28 54.4	
AQU	L'Aquila	7.54 304	ePn	17 27 30.3 +0.1	KEST	Kesra	10.33 259	ePn	Pn	17 28 09.2 +0.7	DPC	ex	x	Sn	17 29 07.9	
AQU	L'Aquila	7.54 304	ePn	17 27 30.3 +0.1	KEST	Kesra	10.33 259	ePn	Pn	17 28 09.2 +0.7	DPC	AMS	AMS	AMS	17 34 20.0	
ISR	Istrita	7.57 261	i/Pn	17 27 33.4 +2.9	VLC	Vilcollemand	10.35 307	ePn	Pn	17 28 10.0 +1.4	DPC	comp=Z,600nm,8.4s	MLR	MLR	17 28 40.1 +1.2	
UDBI	Udina	7.62 325	i/Pn	17 27 31.9 +0.6	VLC	Vilcollemand	10.35 307	ePn	Pn	17 28 10.0 +1.4	DPC	Dobruska-Polom	12.56 344	ePn	Pn	17 28 40.1 +1.2
UDBI	Udina	7.62 325	i/Pn	17 27 31.9 +0.6	CONA	Conrad Observa	10.46 337	ePn	Pn	17 28 10.1 -0.1	DPC	comp=Z,600nm,8.4s	MLR	MLR	17 28 40.1 +1.2	
UDBI	Udina	7.62 325	i/Pn	17 27 31.9 +0.6	CONA	Conrad Observa	10.46 337	ePn	Pn	17 28 10.1 -0.1	DPC	Dobruska-Polom	12.56 344	ePn	Pn	17 28 40.1 +1.2
MLR	Muntele Rosu	7.71 22	Pn	17 27 33.6 +1.1	CRVS	Cervencia-Dubn	10.49 359	ePn	Pn	17 28 12.6 +2.1	MRH	Marh	12.61 106	ePn	Pn	17 28 39.0 -0.8
MLR	comp=E,336nm,21.0s,baz=200,slow=44			17 31 15.5	CRVS	Cervencia-Dubn	10.49 359	ePn	Pn	17 28 12.6 +2.1	PRU	Pruhonice	12.69 338	ePn	Pn	17 28 44.4 +3.8
MLR	Muntele Rosu	7.71 22	i/Pn	17 27 34.9 +2.4	CRVS	Cervencia-Dubn	10.49 359	ePn	Pn	17 28 12.6 +2.1	PRU	comp=Z,2um,10.6s	AMS	AMS	17 34 00.0	
TLB	Topalu	7.73 353	i/Pn	17 27 34.4 +1.8	KBA	Koelnbreinsper	10.67 327	ePn	Pn	17 28 13.2 0.0	PRU	comp=Z,2um,10.6s	AMS	AMS	17 34 00.0	
HARR	Harsova	7.76 344	i/Pn	17 27 36.0 +2.9	KBA	Koelnbreinsper	10.67 327	ePn	Pn	17 28 13.2 0.0	PRU	comp=Z,2um,10.6s	AMS	AMS	17 34 00.0	
TIRG	Tirgusor	7.80 37	ePn	17 27 33.9 +0.3	KBA	Koelnbreinsper	10.67 327	ePn	Pn	17 28 13.2 0.0	UPIC	Ujice	12.78 343	AMS	AMS	17 34 20.0
TIRG	Tirgusor	7.80 37	ePn	17 27 33.9 +0.3	KBA	Koelnbreinsper	10.67 327	ePn	Pn	17 28 13.2 0.0	UPIC	comp=Z,900nm,7.9s	AMS	AMS	17 34 10.0	
TIRG	Tirgusor	7.80 37	ePn													





Table with columns: ID, Name, Address, City, State, Zip, Lat, Lon, Elev, Az, Az2, Az3, Az4, Az5, Az6, Az7, Az8, Az9, Az10, Az11, Az12, Az13, Az14, Az15, Az16, Az17, Az18, Az19, Az20, Az21, Az22, Az23, Az24, Az25, Az26, Az27, Az28, Az29, Az30, Az31, Az32, Az33, Az34, Az35, Az36, Az37, Az38, Az39, Az40, Az41, Az42, Az43, Az44, Az45, Az46, Az47, Az48, Az49, Az50, Az51, Az52, Az53, Az54, Az55, Az56, Az57, Az58, Az59, Az60, Az61, Az62, Az63, Az64, Az65, Az66, Az67, Az68, Az69, Az70, Az71, Az72, Az73, Az74, Az75, Az76, Az77, Az78, Az79, Az80, Az81, Az82, Az83, Az84, Az85, Az86, Az87, Az88, Az89, Az90, Az91, Az92, Az93, Az94, Az95, Az96, Az97, Az98, Az99, Az100.

Table with columns: ID, Name, Address, City, State, Zip, Lat, Lon, Elev, Az, Az2, Az3, Az4, Az5, Az6, Az7, Az8, Az9, Az10, Az11, Az12, Az13, Az14, Az15, Az16, Az17, Az18, Az19, Az20, Az21, Az22, Az23, Az24, Az25, Az26, Az27, Az28, Az29, Az30, Az31, Az32, Az33, Az34, Az35, Az36, Az37, Az38, Az39, Az40, Az41, Az42, Az43, Az44, Az45, Az46, Az47, Az48, Az49, Az50, Az51, Az52, Az53, Az54, Az55, Az56, Az57, Az58, Az59, Az60, Az61, Az62, Az63, Az64, Az65, Az66, Az67, Az68, Az69, Az70, Az71, Az72, Az73, Az74, Az75, Az76, Az77, Az78, Az79, Az80, Az81, Az82, Az83, Az84, Az85, Az86, Az87, Az88, Az89, Az90, Az91, Az92, Az93, Az94, Az95, Az96, Az97, Az98, Az99, Az100.

Table with columns: ID, Name, Address, City, State, Zip, Lat, Lon, Elev, Az, Az2, Az3, Az4, Az5, Az6, Az7, Az8, Az9, Az10, Az11, Az12, Az13, Az14, Az15, Az16, Az17, Az18, Az19, Az20, Az21, Az22, Az23, Az24, Az25, Az26, Az27, Az28, Az29, Az30, Az31, Az32, Az33, Az34, Az35, Az36, Az37, Az38, Az39, Az40, Az41, Az42, Az43, Az44, Az45, Az46, Az47, Az48, Az49, Az50, Az51, Az52, Az53, Az54, Az55, Az56, Az57, Az58, Az59, Az60, Az61, Az62, Az63, Az64, Az65, Az66, Az67, Az68, Az69, Az70, Az71, Az72, Az73, Az74, Az75, Az76, Az77, Az78, Az79, Az80, Az81, Az82, Az83, Az84, Az85, Az86, Az87, Az88, Az89, Az90, Az91, Az92, Az93, Az94, Az95, Az96, Az97, Az98, Az99, Az100.













Table with columns: Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like KARP Karpathos, KARP Karpathos, KARP Karpathos, etc.

SOME 10 22:21:08.9, 42°23'N-80°33'E, h5km, Kyrgyzstan-Xinjiang border region

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

IDC 10 22:39:35.3, 2.1, 5.94S:130°20'E, h0km, mb3.5/2, mb1 3.6/4, mb1mx3.2/36, mbtmp3.4/4, ML3.4/2, Error ellipse: s-maj=151.2km s-min=29.2km az=70, Banda Sea

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

DJA 10 23:10:52.8, 0.9, 8.5, 4.107E, h24km, mb3.8/7, ML3.3/8, Jawa

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like CNJI Cibinong, CNJI Cibinong, CNJI Cibinong, etc.

ISK 10 23:18:22.6, 38°87'N-43°54'E, h5km, MD2.5

CSEM 10 23:18:23.0, 38°90'N-43°55'E, h10km, ML2.4, Error ellipse: s-maj=7.7km s-min=1.9km az=117.0, ISCJB 10 23:18:24.0, 38°90'N-43°55'E, h13km, 4km, Error ellipse: s-maj=7.6km s-min=4.6km az=17.2

DDA 10 23:18:24.0, 38°87'N-43°56'E, h7km, ML2.4, ISC 10 23:18:23.8, 1.0, 38.87N:0.03, 43.55E:0.03, h11km, 7km, n22, c0f73/36, Turkey

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like VMUR Van-Muradiye, VMUR Van-Muradiye, VMUR Van-Muradiye, etc.

CSEM 10 23:32:04.1, 38°04'N-26°19'W, h5km, ML3.0, PDA 10 23:32:04.1, 1.0, 38.04N:26.19W, h5km, 3km, MD3.7, ML3.0, 2C, Error ellipse: s-maj=3.5km s-min=1.4km az=36.0, Azores Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like PSET Sete Cidades, PSET Sete Cidades, PSET Sete Cidades, etc.

NIED 10 23:41:00.26, 00N:128°60'E, h14km, Mw4.0 Best double couple: Mo:1.30000e+1015 NP1:5e4.00000e, 831.00000e, 1-84.00000e, NP2:5e228.00000e, 860.00000e, 1-93.00000e

JMA 10 23:41:13.4, 0.2, 26.00N:128°59'E, h40km, 4km, M4.0, NEIC 10 23:41:14.4, 0.3, 26.02N:128°72'E, h29km, 2km, mb4.0/4, Error ellipse: s-maj=11.8km s-min=10.9km az=76.0, IDC 10 23:41:15.6, 3.6, 26.00N:128°73'E, h3km, 32km, mb3.9/15, Mb1 4.0/18, mb1mx3.8/37, mbtmp4.1/18, ML3.5/3, MS3.4/13, Ms1 3.4/13, ms1mx3.1/41, Error ellipse: s-maj=23.8km s-min=14.2km az=76.0

ISC 10 23:41:10.8, 1.9, 25.97N:104°128°58'E:0.04, h6km, 11km, n48, c166/58, mb4.2/17, MS3.5/12, Ryukyu Islands

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

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like JZK Kikaishima, JZK Kikaishima, JZK Kikaishima, etc.

ISK 10 23:58:09.4, 38°66'N-43°21'E, h5km, MD2.5, CSEM 10 23:58:10.7, 40.2, 38°68'N-43°25'E, h8km, MD2.5, Error ellipse: s-maj=5.9km s-min=4.2km az=117.0, DDA 10 23:58:10.8, 38°67'N-43°26'E, h7km, ML2.8, ISCJB 10 23:58:11.2, 0.5, 38°68'N:0.03, 43°26E:0.05, h7km, 8km, Error ellipse: s-maj=6.3km s-min=4.6km az=10.9, ISC 10 23:58:10.9, 1.0, 38.67N:0.03, 43.24E:0.03, h11km, 8km, n20, c0f61/32, Turkey

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

CSEM 11 00:08:53.9, 0.1, 36°43'N-25°42'E, h8km, ML1.3, Error ellipse: s-maj=18.1km s-min=12.0km az=85.0, ATH 11 00:08:54.2, 36°45'N-25°43'E, h8km, 2km, ML1.3/2, Error ellipse: s-maj=3.9km s-min=1.8km az=42.0, THE 11 00:08:54.3, 36°44N-25°42E, h7km, 1km, ML1.0, Error ellipse: s-maj=1.6km s-min=0.6km az=70.0, Decadecane Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like TH2T Imerovigli, TH2T Imerovigli, TH2T Imerovigli, etc.



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

ISK 11 01:32:32.5, 38.74N, 43.59E, h5km, MD2.7
CSEM 11 01:32:33.0, 38.76N, 43.65E, h10km, MD2.7, Error
ellipse: s-maj=9.4km s-min=5.0km az=103.0

DDA 11 01:32:33.1, 38.74N, 43.64E, h13km, MI2.7
ISCJB 11 01:32:34.1, 0.6, 38.77N, 0.02, 43.62E, 0.06, h2km, 5km,
Error ellipse: s-maj=7.9km s-min=3.6km az=17.6

ISC 11 01:32:34.0, 1.0, 38.76N, 0.02, 43.63E, 0.03, h9km, 8km,
n38, e095/57, Turkey

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

CSEM 11 01:38:32.8, 0.3, 38.72N, 43.61E, h2km, MD2.6, Error
ellipse: s-maj=7.4km s-min=4.5km az=91.0

ISK 11 01:38:32.0, 38.72N, 43.48E, h5km, MD2.6
DDA 11 01:38:32.8, 38.69N, 43.64E, h13km, MI2.6

ISC 11 01:38:33.1, 1.0, 38.71N, 0.02, 43.61E, 0.03, h9km, 9km,
n29, e108/47, Turkey

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

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

IDC 11 01:45:32.4, 0.7, 35.35N, 73.00E, h0km, mb4.2/2.0,
mb1.4, 3/23, mb1mx4.2/47, mbtp4.2/23, ML3.8/5, MS3.2/9,
Ms1.3/2.9, ms1mx2.9/37, Error ellipse: s-maj=16.7km
s-min=13.2km az=31.0

NEIC 11 01:45:36.6, 0.2, 35.43N, 0.02, 73.13E, 0.04, h0km,
ISCJB 11 01:45:36.6, 0.2, 35.43N, 0.02, 73.13E, 0.04, h0km,
mb4.2/35, MS3.1/10, Error ellipse: s-maj=5.6km
s-min=2.6km az=151.4

MOS 11 01:45:36.5, 1.0, 35.42N, 73.14E, h37km, mb4.6/26, Error
ellipse: s-maj=6.5km s-min=5.2km az=94.9

BUI 11 01:45:36.0, 35.46N, 73.27E, h2km, mb4.2/10, mb4.3/2,
ML3.9/2, MS3.8/2

NNC 11 01:45:43.9, 1.5, 35.77N, 73.20E, h85km, 17km, mb3.9,
mp4.3, Error ellipse: s-maj=11.6km s-min=7.2km az=0.0

ISC 11 01:45:38.0, 4.4, 35.45N, 0.04, 73.12E, 0.04, h40km, n134,
e139/155, mb4.2/35, MS3.1/10, 18C-13D, Northwestern

Kashmir

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DPC Dobruska-Polom, KTK1 Kautokino, KSAR Wonju Array Be, etc.

MEX 11 01:49:07.7-0.5, 16.70N-99.62W, h5km, 6km, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ACX Acapulco, CAIG El Cayaco, MEIG Mezcala, etc.

ISK 11 02:21:41.4, 38.65N-43.20E, h5km, MD2.9

ISCJBJ 11 02:21:43.0, 4.0, 38.65N-0.02-43.20E, 0.03, h9km, 4km, Error ellipse: s-maj=4.8km s-min=3.5km az=38.5

CSEM 11 02:21:42.5, 0.2, 38.65N-43.20E, h5km, MD2.9, Error ellipse: s-maj=3.9km s-min=3.0km az=146.0

DDA 11 02:21:42.3, 38.65N-43.19E, h7km, MD2.9

ISC 11 02:21:41.7, 0.9, 38.65N-0.03-43.22E, 0.02, h16km, 7km, n42, c075/46, Turkey

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

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

DDA 11 02:25:24.0, 38.93N-43.56E, h13km, ML2.9

ISCJBJ 11 02:25:24.6, 0.3, 38.93N-0.02-43.56E, 0.04, h8km, 4km, Error ellipse: s-maj=6.0km s-min=3.9km az=17.9

CSEM 11 02:25:24.2, 0.3, 38.93N-43.57E, h10km, ML2.9, Error ellipse: s-maj=7.0km s-min=4.8km az=111.0

ISC 11 02:25:24.0, 0.9, 38.93N-0.02-43.56E, 0.03, h9km, 6km, n34, c075/54, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VMUR Van-Muradiye, ERVAV ERVAV, ERVAV ERVAV, etc.

DDA 11 02:35:51.0, 1.1, 17.70S-168.33E, h0km, mb4.1/9, mb1.4/2/10, mb1mx4.0/40, mbtmp4.2/10, ML4.1/1, MS3.3/8, M51.3/8, m1mx3.1/21, Error ellipse: s-maj=34.0km s-min=23.7km az=128.0

NEIC 11 02:35:52.0, 1.0, 17.70S-168.25E, h12km, 61km, mb4.2/1, Error ellipse: s-maj=25.7km s-min=17.4km az=47.0

ISCJBJ 11 02:35:54.7, 0.9, 17.67S-0.08-168.1E, 0.2, h27km, mb4.3/11, MS3.4/5, Error ellipse: s-maj=21.3km s-min=11.2km az=9.3

ISC 11 02:35:55.4, 0.8, 17.8S-0.1x168.2E, 0.2, h27km, n32, c1509/27, mb4.4/11, MS3.4/5, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, HNR Honiara, RAO Raoul Island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKAR Makran Array, ARCES ARCES Array B, MORC Moravsky Berou, etc.

ISC 11 02:37:09.5, 4.9, 4.90S-132.08E, h0km, mb3.6/2, mb1.3/6/4, mb1mx3.4/42, mbtmp3.4/4, ML3.4/2, Error ellipse: s-maj=348.1km s-min=30.5km az=74.0, 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, WRA WRA, ASAR Allosalim, etc.

ISK 11 02:38:32.6, 37.98N-27.19E, h5km, ML2.6

CSEM 11 02:38:33.9, 0.1, 37.97N-27.21E, h5km, ML2.6, Error ellipse: s-maj=3.4km s-min=2.4km az=73.0

ATH 11 02:38:33.0, 37.97N-27.24E, h11km, 3km, ML2.5/4, Error ellipse: s-maj=3.4km s-min=1.0km az=267.0

DDA 11 02:38:33.1, 37.99N-27.17E, h7km, ML3.3

ISC 11 02:38:34.0, 0.9, 37.98N-0.02-27.20E, 0.02, h9km, 7km, n71, c081/99, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KUSD Kusadasi-Aydin, KUSD Kusadasi-Aydin, DGB Zmir, etc.

DDA 11 02:39:07.0, 1.1, 17.70S-168.33E, h0km, mb4.1/9, mb1.4/2/10, mb1mx4.0/40, mbtmp4.2/10, ML4.1/1, MS3.3/8, M51.3/8, m1mx3.1/21, Error ellipse: s-maj=34.0km s-min=23.7km az=128.0

NEIC 11 02:39:08.0, 1.0, 17.70S-168.25E, h12km, 61km, mb4.2/1, Error ellipse: s-maj=25.7km s-min=17.4km az=47.0

ISCJBJ 11 02:39:09.0, 0.9, 17.67S-0.08-168.1E, 0.2, h27km, mb4.3/11, MS3.4/5, Error ellipse: s-maj=21.3km s-min=11.2km az=9.3

ISC 11 02:39:10.0, 0.8, 17.8S-0.1x168.2E, 0.2, h27km, n32, c1509/27, mb4.4/11, MS3.4/5, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, HNR Honiara, RAO Raoul Island, etc.

Table with 5 columns: NPS, Neapolis, IDI, Anoyia, and various numerical values.

Table with 10 columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details.

Table with 10 columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details.

Table with 10 columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details.

ISK 11 03:04:25.2, 38°71'N, 43°59'E, h5km, ML2.6
CSEM 11 03:04:28.4, 0.3, 38°71'N, 43°59'E, h5km, ML2.6, Error ellipse: s-maj=7.5km s-min=4.2km az=93.0

Table with 10 columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details.

Table with 10 columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details.

Table with 5 columns: MOIG, ZIIG, ZIIG, ARIG, and various numerical values.

CSEM 11 03:23:07.3, 0.2, 38°83'N, 43°48'E, h5km, ML2.8, Error ellipse: s-maj=4.9km s-min=3.3km az=125.0

Table with 10 columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details.

Table with 10 columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details.

ISK 11 03:28:38.3, 3.0, 61°05'S, 29°78'W, h0km, mb4.4/2, mb1.4/2, mb1mx3.8/19, mbtmp4.3/2, MS3.1/1, Ms1.3/4/8, ms1mx3.2/21, Error ellipse: s-maj=203.3km s-min=47.4km az=98.0

Table with 10 columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details.

Table with 10 columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details.

Table with 10 columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details.

Table with 10 columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details.

Table with 10 columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details.

NNC 11 03:57:1.1, 7.1, 49°64'N, 77°38'E, h0km, mb34km, mb2.6, mpv2.7, Error ellipse: s-maj=15.9km s-min=11.3km az=105.0, Suspected Mining explosion.

ISCJB 11 03:57:21.0, 1.0, 50°09'N, 0°06'78"E, 0.1, h0km, Error ellipse: s-maj=10.2km s-min=7.4km az=144.9

Table with 10 columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details.

Table with 10 columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details.

KRNET 11 04:28:59.2, 0.1, 42°82'N, 79°28'E, mb2.3, SOME 11 04:29:00.9, 43°05'N, 78°92'E, h10km, NNC 11 04:29:01.2, 0.9, 43°20'N, 78°87'E, h0km, mb3.1, mpv2.5, Error ellipse: s-maj=33.8km s-min=1.5km az=169.0

ISC 11 04:29:00.8:1.0,43.06N,0.03:78.88E:0.02,h6km,qkm,

n31,-f122/56,20C-10D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like UZB Uzynbulak, ZHN Zhinshke, SATY Saty, SHLS Shalkode, PDGM Podgornoye, etc.

22nm,0.3s VRAC Vranov 1.68 238 ePn Pn

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like KSP Ksiaz, VYHS Vyhne, UPC Upice, STHS Stebnicka Huta, etc.

IDC 11 04:36:19.9:4.1,11.99S:167.19E,h0km,mb3.9/4, mb1 4.2/4,mb1mx3.8/31,mbtmp3.9/4, Error ellipse: s-maj=195.0km s-min=29.3km az=141.0, Santa Cruz

Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, ILAR Eielson Array, etc.

ISCJB 11 04:38:30.6:1.0,42.97N:0.07:144.86E:0.06,h60km,qkm, Error ellipse: s-maj=11.9km s-min=5.4km az=154.8

JMA 11 04:38:31.4:0.1,42.99N:144.82E,h60km,1km,M3.1 SKHL 11 04:38:32.7:0.5,43.18N:145.13E,h110km,2km,mb4.4/2, msh5.3/2

ISC 11 04:38:30.9:1.7,42.94N:0.08:144.87E:0.05,h59km,11km, n12,-o970/21,Hokkaido region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like JAK Akkeshi, JNR Ashorobuto, JRA Rausu, JCH Churui, etc.

ISCJB 11 04:49:18.9:1.0,46.1N:0.1:152.5E:0.1,h41km,mb3.4/3, 0.52-142.7

SKHL 11 04:49:19.1:1.0,45.90N:152.66E,h60km,3km,mb4.6/3 IDC 11 04:49:27.2:15.0,46.60N:152.65E,h70km,105km, mb3.1/3,mb1 3.5/4,mb1mx3.1/29,mbtmp3.5/4,ML2.4/1,

MS2.7/2,Ms1 2.7/2,ms1mx2.3/11, Error ellipse: s-maj=168.0km s-min=35.3km az=174.0

ISC 11 04:49:21.2:1.3,46.1N:0.0:152.5E:0.1,h41km,n20, o093/16,mb3.6/3,1D,Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like KUR Kuril'sk, SHO Shikotan, YUK Yuzh-Kuril'sk, SKR Severo-Kuril's, etc.

CSEM 11 05:17:49.8:0.2,38.75N:43.39E,h17km,2km,ML2.5, Error ellipse: s-maj=5.6km s-min=3.9km az=109.0

ISK 11 05:17:49.2:38.74N:43.34E,h21km,ML2.5 ISCJB 11 05:17:50.4:0.6,38.74N:0.03:43.39E:0.05,h21km,8km, Error ellipse: s-maj=6.4km s-min=4.3km az=22.2

DDA 11 05:17:50.2:38.77N:43.36E,h7km,ML2.8 ISC 11 05:17:49.9:1.0,38.76N:0.02:43.37E:0.03,h17km,qkm, n26,-o64/45,Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like VAN Van, TVAN Van, ERV ERIS-VAN, ERVC ERIS-VAN, VMUR Van-Muradiye, etc.

IDC 11 05:31:48.0:0.9,42.00N:47.80E,h0km,mb3.4/3, mb1 3.5/10,mb1mx3.4/42,mbtmp3.4/10,ML3.5/6, Error ellipse: s-maj=12.5km s-min=8.3km az=144.0

NSSP 11 05:31:49.6:1.41,40N:47.65E,h10km,M3.7 MOS 11 05:31:49.1:1.4,41.53N:48.16E,h62km,mb3.9/2, Error ellipse: s-maj=9.8km s-min=6.2km az=123.4

ISCJB 11 05:31:50.9:0.3,41.63N:0.02:47.98E:0.03,h74km,3km, mb3.2/4, Error ellipse: s-maj=3.9km s-min=2.6km az=144.7

AZER 11 05:31:50.1:0.7,41.64N:47.96E,h59km, Error ellipse: s-maj=1.2km s-min=0.8km az=3.0

CSEM 11 05:31:51.2:0.2,41.63N:48.03E,h69km,3km,mb3.9, Error ellipse: s-maj=5.4km s-min=3.7km az=59.0

NNC 11 05:31:56.7:3.6,41.98N:49.13E,h0km,mb3.8, Error ellipse: s-maj=38.3km s-min=26.5km az=102.0

ISC 11 05:31:50.3:0.7,41.63N:0.02:48.01E:0.02,h61km,4km, n117,-o266/200,mb3.4/4,38C-22D,Eastern Caucasus

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like KSMR Kasumkent, QAR Qusar, AKT Akhty, QUBA Quba, AZER Azerbaijan, DRN Derbent, etc.









PARMO	Parma	75.95 346	eP	P	08 20 30.9 +0.4
W36A	Wetumka	75.96 340	P	P	08 20 30.2 -0.4
W36A	Wetumka	75.96 340	eP	P	08 20 30.6 0.0
V39A	Pettigrew	75.98 343	P	P	08 20 31.0 +0.1
U41A	Viola	76.08 344	P	P	08 20 31.0 -0.3
W35A	Tecumseh	76.15 340	P	P	08 20 31.2 -0.5
W35A	Tecumseh	76.15 340	eP	P	08 20 31.3 -0.4
V38A	Canehill	76.19 342	P	P	08 20 31.6 -0.4
PBMO	Poplar Bluff	76.19 346	eP	P	08 20 31.6 -0.3
WMOK	Wichita Moun	76.29 338	P	P	08 20 32.4 -0.1
WMOK	Wichita Moun	76.29 338	eP	P	08 20 32.6 0.0
WMOK	Wichita Moun	76.29 338	eP	P	08 20 32.6 0.0
U40A	Yellville	76.30 344	P	P	08 20 32.2 -0.3
T44A	Benton	76.33 346	P	P	08 20 32.3 -0.4
V37A	Hulbert	76.39 342	P	P	08 20 32.3 -0.7
T43A	Greenville	76.46 346	P	P	08 20 32.9 -0.5
U39A	Green Forest	76.46 343	P	P	08 20 33.4 -0.1
HHAR	Hobbs	76.47 343	eP	P	08 20 33.5 0.0
V36A	Jenks	76.50 341	P	P	08 20 33.7 0.0
V36A	Jenks	76.50 341	eP	P	08 20 33.7 0.0
T42A	Van Buren	76.57 345	P	P	08 20 33.7 -0.3
TUL1	Leonard	76.58 341	P	P	08 20 34.0 -0.1
TUL1	Leonard	76.58 341	eP	P	08 20 34.0 -0.1
V35A	Meyer Ranch, C	76.71 340	P	P	08 20 34.5 -0.4
V35A	Meyer Ranch, C	76.71 340	eP	P	08 20 35.1 +0.2
T41A	Mountain View	76.72 345	P	P	08 20 34.7 -0.3
S45A	Carrier Mills	76.72 347	P	P	08 20 34.7 -0.1
U38A	Gravette	76.73 342	P	P	08 20 35.0 0.0
LIC	Lamto	76.74 71	eP	P	08 20 36.1 +0.5
MSTX	Muleshoe	76.84 335	P	P	08 20 36.1 +0.3
MSTX	Muleshoe	76.84 335	eP	P	08 20 36.2 +0.4
S44A	Carbondale	76.86 347	P	P	08 20 35.4 -0.2
U37A	Salina	76.88 342	P	P	08 20 34.7 -1.1
S43A	Fulton Ridge	76.89 346	P	P	08 20 35.4 -0.4
T40A	Mansfield	76.98 344	P	P	08 20 35.9 -0.5
TIC	Toumoudi	77.02 71	eP	P	08 20 37.7 +0.5
U36A	Oologah	77.02 341	P	P	08 20 36.7 +0.1
KIC	Kosan Boka	77.04 71	eP	P	08 20 37.9 +0.6
T39A	Clevert	77.05 343	P	P	08 20 36.8 0.0
DBIC	Dimbokro	77.16 71	P	P	08 20 38.2 +0.3
DBIC	Dimbokro	77.16 71	eP	P	08 20 38.2 +0.8
DBIC	Dimbokro	77.16 71	eP	P	08 20 38.7 +0.8
DBIC	Dimbokro	77.16 71	eP	P	08 20 38.7 +0.8
S42A	Caledonia	77.22 346	P	P	08 20 37.4 -0.3
S41A	Jilco Farms	77.24 345	P	P	08 20 37.9 0.0
U35A	Pawnee	77.26 340	P	P	08 20 38.6 +0.6
U35A	Pawnee	77.26 340	eP	P	08 20 38.5 +0.6
T38A	Diamond	77.28 343	P	P	08 20 38.3 +0.2
AMTX	Amarillo	77.32 336	P	P	08 20 39.1 +0.6
AMTX	Amarillo	77.32 336	eP	P	08 20 39.0 +0.6
FVM	French Village	77.36 346	eP	P	08 20 48.8 -0.1
FVM	French Village	77.36 346	eP	P	08 20 38.3 -0.2
FVM	French Village	77.36 346	eP	P	08 20 50.0 -0.5
FVM	French Village	77.36 346	eP	P	08 20 38.2 -0.2
FVM	French Village	77.36 346	eP	P	08 20 50.0 -0.5
T21A	Cookes Peak, D	77.37 330	P	P	08 20 40.5 +1.6
S40A	Lebanon	77.41 344	P	P	08 20 38.7 0.0
T37A	Cheneyville 18	77.51 342	P	P	08 20 39.3 -0.1
R43A	Red Bud	77.55 346	P	P	08 20 39.4 -0.1
CCM	Cathedral Cave	77.59 345	eP	P	08 20 39.8 0.0
CCM	Cathedral Cave	77.59 345	eP	P	08 20 39.8 0.0
S39A	Bolivar	77.68 341	P	P	08 20 40.2 0.0
T36A	Boggs Farm, Ca	77.69 344	P	P	08 20 40.2 -0.1
T35A	Sooner Cattle	77.71 341	P	P	08 20 40.7 +0.2
R42A	Luebbering	77.72 346	P	P	08 20 40.4 0.0
S38A	Stockton	77.75 343	P	P	08 20 40.2 -0.5
R41A	Rosebud	77.85 345	P	P	08 20 40.9 -0.3
U32A	Winter Ranch	77.89 339	P	P	08 20 41.9 +0.4
T34A	McCleary Farm	77.99 340	P	P	08 20 42.3 +0.3
Q44A	Meyer Farm, Va	77.99 347	P	P	08 20 41.6 -0.4
R40A	Maddies Statio	78.03 345	P	P	08 20 42.1 -0.1
S37A	Fort Scott	78.09 342	P	P	08 20 42.4 -0.2
O56A	Blue Knob Stat	78.11 356	P	P	08 20 42.4 -0.2
P47A	Martinsville	78.12 349	P	P	08 20 42.2 -0.5
Q43A	New Douglas	78.15 347	P	P	08 20 42.5 -0.3
R39A	Chumby, Stover	78.21 344	P	P	08 20 43.1 -0.2
S36A	Lake Cedric, C	78.25 342	P	P	08 20 43.3 -0.1
R38A	Fenwick Farm	78.29 343	P	P	08 20 43.4 -0.2
S35A	Otter Creek Ra	78.39 341	P	P	08 20 44.2 0.0
TUC	Tucson	78.39 328	P	P	08 20 44.1 -0.3
TUC	Tucson	78.39 328	eP	P	08 20 45.5 +1.0
TUC	Tucson	78.39 328	eP	P	08 20 55.2 +1.6
TUC	Tucson	78.39 328	eP	P	08 20 55.2 +1.6
SSPA	Standing Stone	78.44 356	eP	P	08 20 44.8 +0.2
ACSO	Alum Creek Sta	78.44 352	eP	P	08 20 44.1 -0.3
Q41A	Truxton	78.45 346	P	P	08 20 44.4 -0.1
P44A	Sand Creek, Wi	78.47 348	P	P	08 20 44.1 -0.5

LPM	Los Pinos Moun	78.51 332	eP	P	08 20 43.8 -1.4
R37A	Teagarden Farm	78.62 343	P	P	08 20 45.4 -0.1
N59A	State Game Lan	78.63 358	P	P	08 20 46.4 +0.9
Q40A	Laux Farm, Aux	78.66 345	P	P	08 20 45.5 -0.2
ODNJ	Ogdenburg	78.77 359	eP	P	08 20 47.4 +1.2
P43A	Skaggs, Pawnee	78.80 347	P	P	08 20 46.3 -0.1
BOSA	Boshof	78.83 117	P	P	08 20 47.3 -0.1
BOSA	Boshof	78.83 117	eP	P	08 20 47.3 -0.1
BOSA	Boshof	78.83 117	eP	P	08 20 47.5 +0.2
O47A	Sheridan	78.85 350	P	P	08 20 46.0 -0.6
P42A	Winchester	78.89 346	P	P	08 20 46.4 -0.5
Q39A	Willow Grove F	78.90 344	P	P	08 20 46.7 -0.3
214A	Organ Pipe Nat	78.95 326	P	P	08 20 48.8 +1.3
Q38A	Cooks Store, C	78.96 344	P	P	08 20 47.3 0.0
R35A	Empira Muncit	78.96 342	P	P	08 20 48.0 +0.6
ANMO	Albuquerque	79.01 332	P	P	08 20 49.3 +1.4
ANMO	Albuquerque	79.01 332	eP	P	08 20 49.4 +1.4
ANMO	Albuquerque	79.01 332	eP	P	08 20 49.4 +1.4
Q37A	Longview Farm	79.07 343	P	P	08 20 47.9 0.0
O45A	Potomac	79.09 349	P	P	08 20 47.3 -0.7
O44A	Mansfield	79.12 348	P	P	08 20 47.5 -0.6
P41A	Barry, Barry	79.12 346	P	P	08 20 47.8 -0.4
SFIN	Lafayette	79.12 349	P	P	08 20 47.3 -0.8
P40A	Paris	79.17 345	P	P	08 20 48.4 -0.1
R34A	Isabella, Hill	79.21 341	P	P	08 20 48.9 +0.2
P39B	Salisbury	79.28 344	P	P	08 20 49.2 +0.1
O43A	Sugar Creek Fa	79.39 347	P	P	08 20 49.7 +0.1
M54A	Oil Creek Stat	79.42 355	P	P	08 20 50.0 +0.2
Q35A	Mercer Eighty	79.43 342	P	P	08 20 50.0 +0.1
O42A	Bati	79.44 347	P	P	08 20 49.7 -0.2
O41A	Passleys Farm	79.51 346	P	P	08 20 50.0 -0.3
N46A	Monticello	79.57 349	P	P	08 20 51.1 +0.5
P38A	Dawn	79.58 344	P	P	08 20 50.2 -0.4
N45A	Kentland	79.64 349	P	P	08 20 52.5 +1.5
HDIL	Hopedale	79.65 347	P	P	08 20 51.0 -0.1
HDIL	Hopedale	79.65 347	eP	P	08 20 51.0 0.0
N44A	Pipe City	79.69 348	P	P	08 20 51.2 0.0
O40A	La Belle	79.71 345	P	P	08 20 51.5 +0.1
Q34A	Chapman	79.72 341	P	P	08 20 51.8 +0.3
P37A	Lathrop	79.72 343	P	P	08 20 50.9 -0.6
QUA2	Belchertown	79.95 0	eP	P	08 20 53.5 +1.0
P36A	Good Intent, A	79.95 343	P	P	08 20 52.6 -0.1
Q39A	Kirkville	79.97 345	P	P	08 20 53.0 +0.2
X18A	Snowflake	79.98 330	eP	P	08 20 54.2 +1.0
N43A	Stutzman Famil	80.00 348	P	P	08 20 52.8 -0.1
M46A	Old House Fiel	80.02 350	P	P	08 20 52.4 -0.6
O38A	Galt	80.04 344	P	P	08 20 53.3 +0.1
N42A	Yates City	80.05 347	P	P	08 20 52.7 -0.5
P35A	Duane Minner	80.06 342	P	P	08 20 53.3 0.0
N41A	Harden Midland	80.08 346	P	P	08 20 53.2 -0.2
M45A	Boilermakers S	80.13 349	P	P	08 20 53.6 -0.1
O37A	Wolfen Farm, M	80.23 344	P	P	08 20 54.0 -0.2
M44A	Midewin, Midew	80.25 349	P	P	08 20 53.6 -0.7
T25A	Trinidad	80.27 335	P	P	08 20 56.4 +1.6
T25A	Trinidad	80.27 335	eP	P	08 20 55.4 +0.6
P34A	Walnut Farm, R	80.28 341	P	P	08 20 54.7 +0.3
MHTCO	State Highway	80.35 335	eP	P	08 20 55.5 +0.3
CBKS	Cedar Bluff	80.37 339	P	P	08 20 54.7 -0.4
Q36A	Bolckow	80.38 343	P	P	08 20 54.9 -0.1
N40A	Mertquake, Sal	80.39 346	P	P	08 20 54.7 -0.3
TRY	Troy	80.40 359	eP	P	08 20 56.9 +1.9
W18A	Pettrified Fore	80.41 330	P	P	08 20 56.7 +1.2
M43A	Waltham Townsh	80.45 348	P	P	08 20 55.1 -0.2
X16A	Lo Mia Camp, P	80.48 329	eP	P	08 20 56.7 +0.8
MMNY	Mt. Morris Dam	80.53 356	eP	P	08 20 56.1 +0.4
N39A	Derby Farms, D	80.56 345	P	P	08 20 55.9 0.0
N38A	Joe South For	80.64 344	P	P	08 20 56.4 0.0
M41A	Milan	80.67 347	P	P	08 20 55.8 -0.7
O35A	Humboldt	80.73 342	P	P	08 20 56.7 -0.2
O34A	Beatrice	80.85 342	P	P	08 20 57.6 +0.1
M40A	Post Highland	80.88 346	P	P	08 20 57.2 -0.4
O33A	Hebron	80.97 341	P	P	08 20 58.6 +0.4
IKP	In-Ko-Pah, Jac	81.02 324	P	P	08 21 00.6 +1.9
N36A	Muff Farm, Cla	81.03 343	P	P	08 20 58.4 -0.1
SWSC	Sam W. Stewart	81.13 325	P	P	08 21 00.1 +0.9
L43A	Gann Prairie	81.14 348	P	P	08 20 58.2 -0.8
SDCO	Great Sand Dun	81.19 334	P	P	08 20 59.9 +0.2
SDCO	Great Sand Dun	81.19 334	eP	P	08 21 00.3 +0.5
M38A	Pleasantville	81.23 345	P	P	08 20 59.1 -0.4
Y12C	Blythe	81.23 326	eP	P	08 21 01.3 +1.6
Y12C	Blythe	81.23 326	eP	P	08 21 01.0 +1.3
N35A	Tabor	81.24 343	P	P	08 20 59.6 +0.1
LBTB	Lobats	81.25 115	eP	P	08 21 00.5 +0.1
LBTB	Lobats	81.25 115	eP	P	08 21 00.5 +0.1

BAR	Barrett	81.31 324	eP	P	08 21 00.6 +0.4
BAR	Barrett	81.31 324	eP	P	08 21 12.2 -0.1
L41A	Preston	81.34 347	P	P	08 20 59.4 -0.6
MONPZ	Monument Peak	81.37 324	P	P	08 21 02.1 +1.4
M37A	Trindle Farm	81.39 344	P	P	08 21 00.7 +0.4
KSCO	Kaye Sheddock	81.40 337	P	P	08 21 01.8 +1.1
KSCO	Kaye Sheddock	81.40 337	eP	P	08 21 01.8 +1.1
KSCO	Kaye Sheddock	81.40 337	eP	P	08 21 11.4 -1.4
WUAZ	Wupatki	81.41 329	P	P	08 21 02.1 +1.3
WUAZ	Wupatki	81.41 329	eP	P	08 21 01.5 +0.7
N34A	Lincoln	81.42 342	P	P	08 21 00.5 -0.1
L40A	Anamosa	81.46 346	P	P	08 21 00.7 0.0
BC3	Big Chuckawall	81.57 325	P	P	08 21 03.2 +1.5
K43A	Burlington	81.59 349	P	P	08 21 02.7 +1.3
M36A	Felix, Anita	81.61 344	P	P	08 21 01.5 0.0
NCB	Newcomb	81.64 359	eP	P	08 21 02.5 +0.8
S22A	4UR Ranch, Cre	81.65 333	eP	P	08 21 03.6 +1.4
S22A	4UR Ranch, Cre	81.65 333	eP	P	08 21 02.1 -0.1
L39A	Vinton	81.67 346	P	P	08 21 03.8 +2.0
MDV	Middlebury	81.67 36			

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Rows include stations like GSC Goldstone, I38A Scanlan Farm, K31A O'Neill, etc.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Rows include stations like DUG Dugway, DUG Dugway, DUG Dugway, etc.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Rows include stations like F04A Amboy, TAM Tamarras, TAM Tamarras, etc.



ISC 11 09:06:19.0,0.9,32.24N,0.02,-115.32W,0.02,h14km,6km,  
n77,-0.92/112,3C-9D,California-Baja California border  
region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Cerro Prieto, Mexicali, East Mesa, etc.

Table with columns: ZAAO, KURK, KURBS, KURBB, MK31, MK31. Includes station names like Kurchatov Arra, Malanchi Array, Kurchatov Arra.

NEIC 11 09:34:08.4,0.4,35.34S,178.53E,h214km,MG4.3(WEL),  
After WEL  
WEL 11 09:34:08.8,0.4,35.34S,178.53E,h214km,6km,ML4.3/24,  
3C-2D, Error ellipse: s-maj=5.9km s-min=5.8km az=0.0,  
Off east coast of North Island

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Matakaoa Point, Pakihiroa, Raukumara Rang, etc.

Table with columns: INZ, OXZ, MQZ, MQZ. Includes station names like Incheon, Oxford, McQueen's Vall, McQueen's Vall.

CSEM 11 09:52:49.5,1.6,67.69N,34.04E,h1km,ML3.2, Error  
ellipse: s-maj=42.0km s-min=20.7km az=98.0, Suspected  
Mining explosion.  
HEL 11 09:51:51.5,0.4,67.66N,33.87E,h0km  
KOLA 11 09:52:51.7,67.66N,33.87E,h0km  
NAO 11 09:52:52.6,1.2,67.72N,33.72E,ML3.2  
ISC 11 09:52:49.4,1.6,67.67N,0.04,34.08E,0.08,h0km,n24,  
r1542/39, Baltic States-Belarus-Northwestern Russia

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

ISC/JB 11 09:57:15.5,0.5,42.32N,0.04,142.20E,0.05,h93km,4km,  
mb3.6/6, Error ellipse: s-maj=6.9km s-min=4.8km  
az=144.8  
IDC 11 09:57:15.1,1.1,43.02N,140.75E,h0km,mb3.8/6,  
mb3.6/7,mb3.6/6,mb3.6/6,mb3.7/7,ML3.2/1, Error  
ellipse: s-maj=24.7km s-min=13.7km az=144.0  
JMA 11 09:57:16.7,0.2,42.36N,142.22E,h84km,2km, M3.1  
ISC 11 09:57:16.2,0.9,42.34N,0.04,142.20E,0.04,h84km,7km,  
n25,-0.22/33,mb3.9/6,Hokkaido region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Urakawa-nobuka, Biratori 2, Eniwo, Erimo, etc.

NNC 11 09:33:35.8,5.4,57.34N,86.99E,h0km,mb3.6,mpv3.4,  
3C-4D, Error ellipse: s-maj=31.8km s-min=21.8km  
az=2.0, Southwestern Siberia

IDC 11 09:57:30.6,0.9,26.93N,89.76E,h0km,mb3.8/11,

mb1 4.0/11, mb1mx3.7/57, mbtmp3.8/11, Error ellipse: s-maj=30.1km s-min=18.1km az=58.0 NDI 11 09:57:31.8z, 2.6, 26:71N-89:28E, h10km, ML3.9 DMN 11 09:57:32.5z, 0.5, 26:63N-89:60E, h10km, ML4.6/3, Error ellipse: s-maj=21.5km s-min=8.8km az=15.0 ISC 11 09:57:32.9z, 1.3, 26:69N-0:05:89:38E, 0.03, h23km, 10km, n40, c23/57, mb3.9/10, India-Bangladesh border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists various stations like DHUB, TADONG, TURI, etc. with their respective coordinates and data.

IDC 11 09:58:17.6z, 1.0, 32:49N-141:89E, h0km, mb3.8/7, mb1 3.8/10, mb1mx3.6/61, mbtmp3.7/10, ML3.6/3, Error ellipse: s-maj=26.3km s-min=17.6km az=70.0 ISCJB 11 09:58:20.7z, 0.8, 32:59N-0:08:141:99E, 0.10, h39km, mb3.8/7, Error ellipse: s-maj=13.8km s-min=9.5km bz=136.8

ISC 11 09:58:22.7z, 1.1, 32:5N-0:11:141:9E, 0.11, h39km, n12, c150E/14, mb3.9/7, Southeast of Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like HJH, HJH, HJH, etc. with their respective coordinates and data.

JMA 11 09:59:58.2z, 0.3, 26:21N-124:65E, h161km, M3.6, Northeast of Taiwan

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like IKEMAJIMA, IRABUJIMA, MIYAKOJIMA, etc. with their respective coordinates and data.

NIED 11 10:02:00.38, 1.0N-143:20E, h32km, Mw4.0 Best double couple: Mo:1.20000e+10, NP2:0.331, NP1:0.670000e+10, δ63.00000, λ14.00000, NP2:0.331, NP1:0.670000e+10, δ63.00000, λ14.00000. NEIC 11 10:02:46.3z, 0.9, 37:59N-144:04E, h10km, mb4.6/9, Error ellipse: s-maj=18.2km s-min=8.8km az=124.0 IDC 11 10:02:49.8z, 1.1, 38:00N-143:48E, h0km, mb3.9/12, mb1 4.1/17, mb1mx3.9/66, mbtmp4.0/17, ML4.0/4, MS2.3/1, MS1 2.3/1, ms1mx2.2/46, Error ellipse: s-maj=23.9km s-min=17.1km az=90.0 JMA 11 10:02:54.7z, 0.1, 38:09N-143:23E, h38km, M4.2 ISC 11 10:02:49.8z, 2.1, 37:99N-0:05:143:47E, 0.07, h3km, 12km, n71, c272/87, mb4.3/27, Off east coast of Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like OURI, UNATANO, OHUNATO, etc. with their respective coordinates and data.

ISC 11 10:04:58.7z, 1.2, 24:8S-0:1:176:9W, 0.2, h100km, n10, c156E/14, mb4.1/5, South of Fiji Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like AFJ, AFJ, AFJ, etc. with their respective coordinates and data.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like HHC, HHC, HHC, etc. with their respective coordinates and data.

QIZ QIZ 31.270 P P 10 09 27.2 -1.7

Table with columns: QIZ, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like KMI, WMO, WMO, etc. with their respective coordinates and data.

Table with columns: QIZ, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like CMAR, MK01, MK01, etc. with their respective coordinates and data.

Table with columns: QIZ, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like KASHI, KASHI, KASHI, etc. with their respective coordinates and data.

ISCJB 11 10:04:58.0z, 1.2, 24:8S-0:1:177:0W, 0.2, h100km, mb4.2/5, Error ellipse: s-maj=31.2km s-min=10.5km az=33.2 NEIC 11 10:04:58.2z, 1.4, 24:77S-176:94W, h68km, 19km, mb4.1/1, Error ellipse: s-maj=31.7km s-min=12.2km az=116.0 IDC 11 10:04:58.7z, 0.4, 24:80S-0:17:06W, h87km, 97km, mb3.9/4, mb1 4.1/6, mb1mx3.6/38, mbtmp4.3/6, Error ellipse: s-maj=55.9km s-min=27.1km az=136.0 ISC 11 10:04:58.7z, 1.2, 24:8S-0:1:176:9W, 0.2, h100km, n10, c156E/14, mb4.1/5, South of Fiji Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like AFI, AFI, AFI, etc. with their respective coordinates and data.

NIED 11 10:10:00.32, 5.0N-141:80E, h8km, Mw4.3 Best double couple: M3.54000e+10, NP1:0.210000e+10, δ25.00000, λ112.00000, NP2:0.60000e+10, δ66.00000, λ80.00000, λ112.00000, NP2:0.60000e+10, δ66.00000, λ80.00000, λ112.00000. IDC 11 10:10:16.4z, 0.6, 32:41N-141:75E, h0km, mb4.4/24, mb1 4.5/27, mb1mx4.3/58, mbtmp4.3/27, ML4.3/2, MS3.5/9, MS1 3.5/9, ms1mx3.2/41, Error ellipse: s-maj=15.5km s-min=13.6km az=58.0 MOS 11 10:10:18.6z, 1.1, 32:37N-141:57E, h23km, mb4.7/32, Error ellipse: s-maj=14.3km s-min=6.9km az=115.5 NEIC 11 10:10:19.1z, 2.9, 32:39N-141:70E, h14km, 17km, mb4.7/24, Error ellipse: s-maj=8.5km s-min=7.2km az=71.0 JMA 11 10:10:19.5z, 0.2, 32:54N-141:31E, h24km, M4.3 BUJ 11 10:10:20.1, 32:28N-141:57E, h39km, mb4.6/42, MB4.8/29, MS4.2/20, MS7.4/0/20 ISCJB 11 10:10:20.6z, 0.3, 32:41N-0:03:141:72E, 0.04, h39km, mb4.5/59, MS3.5/10, Error ellipse: s-maj=5.8km s-min=3.6km az=137.4 ISC 11 10:21:29.0z, 0.4, 32:46N-0:04:141:84E, 0.05, h39km, n157, c1999/180, mb4.5/59, MS3.5/10, 4C-4D, h39km

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like HJH, HJH, HJH, etc. with their respective coordinates and data.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like HJH, HJH, HJH, etc. with their respective coordinates and data.





Table with columns: PLIG, CAIG, ZIIG, MAVM, YAIG, TLIG, PPM, PPM, Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include Plataniillo, El Cayaco, Zihuatanejo, Malinalco, Edo, Yautepac, Tiapa, Popocatepetl, Tehuacan.

IDC 11 10:41:34.0,5.55:41S:125.02W,h0km,mb4,1/10, mb1.4,3/10,mb1mx4.2/19,mbtmp4,1/10,MS5,2/10, Ms1.5/2/10,ms1mx3.2/14,Error ellipse: s-maj=27.4km s-min=15.5km az=164.0

ISCJB 11 10:41:36.0,3.56:11S:0.05:124.6W,0.1,h10km, mb5.0/46,MS5.6/319, Error ellipse: s-maj=9.2km s-min=7.9km az=7.6

GCMT 11 10:41:37.5,0.1,55:72S:124.57W,h21km,MW6.0/149, Moment Tensor Solution. s136,c304; s149,c488; Duration: 2s5 Moment tensor: Scale 1018Nm; M0=0.09±0.01; M20=0.83±0.01; M30=0.73±0.01; M40=0.13±0.02; M50=1.09±0.01; M60=0.02±0.02; Best double couple: M1.34700x1018 Np1.3x288.000000; 888.000000; 1.5.000000; NP2.193.000000; 885.000000; 1.178.000000; Principal axes: T 1.3980, Plg5.0000; Azm153.0000; N -0.1010, Plg85.0000; Azm311.0000; P -1.2970, Plg2.0000; Azm63.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.

NEIC 11 10:41:37.5,0.3,55:98S:124.44W,h10km,mb5.1/41, MS5.6/296,MW5.9,MW6.1,MW6.0 Error ellipse: s-maj=13.8km s-min=10.5km az=148.0,Moment Tensor Solution. s25 Moment tensor: Scale 1017Nm; M0=0.69; M20=3.98; M30=-3.29; M40=0.06; M50=7.31; M60=0.28; Best double couple: M8.20000x1017 Np1.9x193.000000; 889.000000; 1-173.000000; NP2.163.000000; 888.000000; 1-1.000000; Principal axes: T 8.5200, Plg1.0000; Azm328.0000; N -0.6800, Plg88.0000; Azm223.0000; P -7.8300, Plg2.0000; Azm58.0000; BUI 11 10:41:39.3,55:80S:124.50W,h10km,mb5.4/15, MS5.6/19,Ms7.5/3/20

ISC 11 10:41:37.4,0.7,56:00S:0.07x124.37W,0.07,h6km,44km, h7km:p-P,n423,c2809/168,mb5.1/46,MS5.6/321,1C-1D, Southern East Pacific Rise

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include Palmer Station, Pitcairn Islan, Scott Base, Cochran, Vanda, Rikitea, South Pole Qui, Tubuai, Paso Flores, East Falkland, Birch Farm, McQueen's Vall, Hualaie, Canterbury Las, Otahua Downs, Kahutara, South Karori, Oxford, Lake Taylor, Rata Peaks, Black Stump Fm, Lake Benmore, Matakaoa Point, Tophouse, Urewera, Wether Hill Ro, Wanaka, Mavora Lakes, Fox Glacier, Puysegur Point.

Main table with columns: PAE, TIAR, PPTF, PPT2, PPT2, PPT2, DCZ, HIZ, HIZ, RAR, RAR, VNA3, VNA1, VNA2, SNA4, SNA4, SNA4, OUZ, HOPE, TAOE, TAOE, PB10, PB10, CASY, CASY, PB04, PB04, SYO, SYO, MNMC, TAU, TAU, CPUP, CPUP, MAW, MAW, MAW, MAW, NNA, NNA, LHI, LHI, LPAZ, LPAZ, CAN, CAN, PAYG, PAYG, ARMA, ARMA, XMAS, XMAS, KNTN, KNTN, STKA, STKA, STKA, STKA, EIDS, EIDS, SAML, SAML, BBOO, BBOO, BDFB, BDFB, ROSC, ROSC, ROSC, ROSC, CTAO, CTAO, HDC, HDC, FORF, FORF, RUSC, RUSC, PTGA, PTGA, TARA, TARA, AS01, AS01, AS31, AS31, ASAR, ASAR, NWA0, NWA0, SDV, SDV, WR0, WR0, WR9, WR9, WR8, WR8, WR7, WR7

Main table with columns: WR7, WR6, WR5, WR4, WR3, WR3, WR4, WR2, WR2, WR1, WR1, WR1, WR2, WRAB, WRAB, WB3, WB3, WC1, WC1, WB4, WB4, WB5, WB5, WB6, WB6, WB8, WB8, WB9, WB9, WB0, WB0, HPAH, HPAH, SLBS, SLBS, PMG, PMG, SRIG, SRIG, MTJD, MTJD, HPIG, HPIG, HSIJ, HSIJ, MBWA, MBWA, LTX, LTX, TX31, TX31, TXAR, TXAR, SDDR, SDDR, MTN, MTN, MTF, MTF, FDF, FDF, 319A, 319A, BAR, BAR, BAR, IKP, JCT, JCT, JCT, TUC, TUC, TUC, TUC, CBYP, CBYP, MNTX, MNTX, MNTX, MNTX, 113A, 113A, 113A, GDHS, GDHS, HKT, HKT, GLA, GLA, GLA, SKI, SKI, SKI, SABA, SABA, XPFO, XPFO, XPFO, PFO, PFO, PFO, Y12C, Y12C, BELC, BELC



KTH	comp-Z,2um,21.0s	Kantishna Hill	120.97 346	PFAKE	LR	LR	11 00 40.0 +11
CAST	comp-Z,2um,22.0s	Castle Rocks	121.00 346	PFAKE	LR	LR	11 00 40.0 +11
KMBO	comp-Z,3um,22.0s	Kilima Mbogo	121.12 158	PFAKE	LR	LR	11 00 40.0 +8.6
EGAK	comp-Z,900nm,20.0s	Eagle	121.13 352	PFAKE	LR	LR	11 00 40.0 +11
HDA	comp-Z,3um,20.0s	Harding Lake	121.32 349	PFAKE	LR	LR	11 00 40.0 +10
BPAW	comp-Z,3um,20.0s	Bear Paw Mtn.	121.51 347	PFAKE	LR	LR	11 00 40.0 +10
WRH	comp-Z,2um,21.0s	Wood River Hill	121.51 348	PFAKE	LR	LR	11 00 40.0 +10
CCB	comp-Z,3um,22.0s	Clear Creek Bu	121.65 348	PFAKE	LR	LR	11 00 40.0 +10
IL1	comp-Z,2um,20.0s	Eielson Array	121.67 349	ePKPdf	PKPdf	PKPdf	11 00 31.5 +1.1
IL2	comp-Z,0.3nm,0.8s	Eielson Array	121.67 349	ePKPdf	PKPdf	PKPdf	11 00 26.2 -4.2
COLA	comp-Z,2um,21.0s	Eielson Array	121.67 349	ePKPdf	PKPdf	PKPdf	11 00 29.5 -0.9
MDM	comp-Z,2um,20.0s	Murphy Dome	122.00 348	PFAKE	LR	LR	11 00 40.0 +8.9
MLY	comp-Z,2um,20.0s	Manley	122.37 347	PFAKE	LR	LR	11 00 40.0 +8.2
FYU	comp-Z,2um,19.0s	Fort Yukon	123.25 350	PFAKE	LR	LR	11 00 40.0 +6.6
MAJO	comp-Z,2um,19.0s	Matsushiro	123.29 287	PFAKE	LR	LR	11 00 50.0 +16
MJB9	comp-Z,700nm,20.0s	Matsu-Tunnel	123.30 287	PFAKE	LR	LR	11 00 50.0 +16
GAMB	comp-Z,800nm,20.0s	Gambell	124.89 337	PFAKE	LR	LR	11 00 50.0 +13
QIZ	comp-Z,3um,20.0s	Qiongzong	125.38 250	PKP	PKPdf	PKPdf	11 00 39.9 +0.9
QIZ	comp-Z,3um,20.0s	Qiongzong	125.38 250	PKP	PKPdf	PKPdf	11 02 31.1 +1.7
QIZ	comp-Z,3um,20.0s	Qiongzong	125.38 250	PKP	PKPdf	PKPdf	11 19 29.9 +2.1
QIZ	comp-Z,500nm,18.7s			LR	LR	LR	
QIZ	comp-Z,330nm,19.0s			LR	LR	LR	
PET	comp-Z,870nm,25.8s	Petropavlovsk	125.65 314	PFAKE	LR	LR	11 00 50.0 +12
TOLK	comp-Z,2um,20.0s	Toolik Lake Re	125.70 349	PFAKE	LR	LR	11 00 50.0 +12
PEA0B	comp-Z,2um,19.0s	Petropavlovsk	126.10 313	PFAKE	LR	LR	11 00 50.0 +11
CMAR	comp-Z,2um,20.0s	Chiang Mai Arr	130.42 239	PKP	PKPdf	PKPdf	11 00 48.3 -0.4
TAM	comp-Z,0.6nm,0.3s	Tamanrasset	130.63 111	PFAKE	LR	LR	11 01 00.0 +11
CHTO	comp-Z,400nm,20.0s	Chiang Mai	130.72 239	PFAKE	LR	LR	11 01 00.0 +11
FURI	comp-Z,600nm,19.0s	Furi	131.16 157	PFAKE	LR	LR	11 01 00.0 +9.4
GYA	comp-Z,1um,20.0s	Guiyang	133.11 253	ePdf	PKP	Pdf	10 57 51.2 +0.8
GYA	comp-Z,1um,20.0s	Guiyang	133.11 253	ePdf	PKP	Pdf	11 00 55.5 +0.7
GYA	comp-Z,1um,20.0s	Guiyang	133.11 253	ePdf	PKP	Pdf	11 03 25.9 +4.9
GYA	comp-Z,1um,20.0s	Guiyang	133.11 253	ePdf	PKP	Pdf	11 04 30.2 +0.2
GYA	comp-Z,1um,20.0s	Guiyang	133.11 253	ePdf	PKP	Pdf	11 10 15.8
GYA	comp-Z,1um,20.0s	Guiyang	133.11 253	ePdf	PKP	Pdf	11 21 06.6 +3.1
MDJ	comp-Z,180nm,7.9s			LR	LR	LR	
MDJ	comp-Z,240nm,21.4s			LR	LR	LR	
MDJ	comp-Z,180nm,21.8s			LR	LR	LR	
MDJ	comp-Z,240nm,22.0s			LR	LR	LR	
MDJ	comp-Z,620nm,21.8s			LR	LR	LR	
MDJ	comp-Z,620nm,21.8s			LR	LR	LR	
ATD	comp-Z,800nm,22.0s	Arta Tunnel	134.53 162	PFAKE	LR	LR	11 01 10.0 +13
TULEG	comp-Z,1um,22.0s	Thule	136.87 16	PFAKE	LR	LR	11 01 10.0 +11
DAMY	comp-Z,3um,19.0s	Dhamar	137.76 164	PFAKE	LR	LR	11 01 10.0 +7.1
BJT	comp-Z,1um,21.0s	Baijiatuuu	137.91 274	PFAKE	LR	LR	11 01 10.0 +8.0
BJI	comp-Z,800nm,19.0s	Beijing	137.92 274	PKP	PKPdf	PKPdf	11 01 02.4 +0.4
BJI	comp-Z,800nm,19.0s	Beijing	137.92 274	PKP	PKPdf	PKPdf	11 22 02.7 +1.6
BJI	comp-Z,560nm,17.5s			LR	LR	LR	
BJI	comp-Z,650nm,17.5s			LR	LR	LR	
CD2	comp-Z,600nm,48.5s	Chengdu	138.18 254	PKP	PKPdf	PKPdf	11 01 03.9 +1.0
CD2	comp-Z,600nm,48.5s	Chengdu	138.18 254	PKP	PKPdf	PKPdf	11 01 08.6
CD2	comp-Z,600nm,48.5s	Chengdu	138.18 254	PKP	PKPdf	PKPdf	11 03 53.5 +1.5
CD2	comp-Z,600nm,48.5s	Chengdu	138.18 254	PKP	PKPdf	PKPdf	11 08 14.5 +0.7
CD2	comp-Z,600nm,48.5s	Chengdu	138.18 254	PKP	PKPdf	PKPdf	11 10 46.8 +0.4
CD2	comp-Z,600nm,48.5s	Chengdu	138.18 254	PKP	PKPdf	PKPdf	11 22 07.2 +3.1
CD2	comp-Z,180nm,7.7s			LR	LR	LR	
CD2	comp-Z,580nm,10.1s			LR	LR	LR	
HHC	comp-Z,890nm,30.9s	Hu-ho-hao-te	141.06 271	ePKP	PKP	Pdf	11 01 05.8 -2.1
HHC	comp-Z,890nm,30.9s	Hu-ho-hao-te	141.06 271	ePKP	PKP	Pdf	11 04 14.6 +4.7
HHC	comp-Z,890nm,30.9s	Hu-ho-hao-te	141.06 271	ePKP	PKP	Pdf	11 10 58.6
HHC	comp-Z,890nm,30.9s	Hu-ho-hao-te	141.06 271	ePKP	PKP	Pdf	11 22 34.2 -4.0
HHC	comp-Z,56nm,6.7s			LR	LR	LR	
HHC	comp-Z,380nm,14.3s			LR	LR	LR	
HHC	comp-Z,300nm,14.1s			LR	LR	LR	
HIA	comp-Z,390nm,17.6s	Hailar	141.79 288	PFAKE	LR	LR	11 01 20.0 +11
LZH	comp-Z,800nm,20.0s	Lanzhou	142.03 259	ePKP	PKP	Pdf	11 01 09.7 -0.1
LZH	comp-Z,800nm,20.0s	Lanzhou	142.03 259	ePKP	PKP	Pdf	11 04 17.5 +1.6
LZH	comp-Z,800nm,20.0s	Lanzhou	142.03 259	ePKP	PKP	Pdf	11 22 47.3 -2.3
LZH	comp-Z,190nm,4.9s			LR	LR	LR	
LZH	comp-Z,670nm,15.9s			LR	LR	LR	
LZH	comp-Z,640nm,18.0s			LR	LR	LR	
LZH	comp-Z,640nm,18.0s			LR	LR	LR	
KEST	comp-Z,860nm,20.0s	Kesra	142.83 103	PFAKE	LR	LR	11 01 20.0 +8.8
YAK	comp-Z,600nm,20.0s	Yakutsk	143.35 311	PFAKE	LR	LR	11 01 20.0 +8.9
YAK	comp-Z,1um,20.0s			LR	LR	LR	

RAMN	comp-Z,2um,21.0s	Ramite	143.41 230	eP	PKP	PKP	11 01 10.7 +0.8
JIRN	comp-Z,2um,21.0s	Jiruli	144.21 230	eP	PKP	PKP	11 01 11.1 -0.9
PKI	comp-Z,2um,21.0s	Polchoki	144.42 229	eP	PKP	PKP	11 01 10.4 -2.5
PKIN	comp-Z,2um,21.0s	Phulchoki	144.48 229	eP	PKP	PKP	11 01 10.8 -2.0
GUN	comp-Z,2um,21.0s	Gumbha	144.56 230	eP	PKP	PKP	11 01 10.8 -2.5
DMN	comp-Z,76nm,0.8s	Daman	144.63 229	eP	PKP	PKP	11 01 10.7 -2.7
KKN	comp-Z,93nm,0.9s	Kakani	144.71 229	eP	PKP	PKP	11 01 10.9 -2.7
KOLN	comp-Z,98nm,1.0s	Koldanda	145.40 227	eP	PKP	PKP	11 01 11.6 -4.4
PYUN	comp-Z,82nm,1.0s	Piuthan	145.94 226	eP	PKP	PKP	11 01 12.8 -4.2
CLTB	comp-Z,600nm,21.0s	Callabellotta	146.29 105	PFAKE	LR	LR	11 01 30.0 +11
GTA	comp-Z,2um,21.0s	Gaotai	146.64 259	ePKP	PKP	PKP	11 01 16.9 -0.8
GTA	comp-Z,2um,21.0s	Gaotai	146.64 259	ePKP	PKP	PKP	11 04 46.6 +3.2
GTA	comp-Z,2um,21.0s	Gaotai	146.64 259	ePKP	PKP	PKP	11 08 25.6 -1.2
GTA	comp-Z,2um,21.0s	Gaotai	146.64 259	ePKP	PKP	PKP	11 11 35.4 +0.2
GTA	comp-Z,2um,21.0s	Gaotai	146.64 259	ePKP	PKP	PKP	11 23 42.7 +0.3
GTA	comp-Z,190nm,10.2s			LR	LR	LR	
GTA	comp-Z,260nm,23.8s			LR	LR	LR	
GTA	comp-Z,270nm,20.0s			LR	LR	LR	
RAYN	comp-Z,260nm,21.9s	Ar Rayn	146.72 163	ePKP	PKP	PKP	11 01 19.8 0.0
TIXI	comp-Z,800nm,22.0s	Tiksi	146.72 326	ePKP	PKP	PKP	11 01 14.3 -2.4
TIXI	comp-Z,9.0nm,0.9s	Tiksi	146.72 326	ePKP	PKP	PKP	11 01 14.3 -2.4
TIXI	comp-Z,9.0nm,0.9s	Tiksi	146.72 326	ePKP	PKP	PKP	11 01 19.2 -0.4
DAG	comp-Z,1um,20.0s	Danmarks Havn	147.15 24	iP	PKP	PKP	11 01 24.3 +3.1
BNI	comp-Z,2um,20.0s	Baronecchia	147.68 89	ePKP	PKP	PKP	11 01 19.4 +0.1
ULN	comp-Z,2um,20.0s	Ulaanbaatar	147.94 277	ePKP	PKP	PKP	11 01 21.8 -0.9
ULN	comp-Z,2um,20.0s	Ulaanbaatar	147.94 277	ePKP	PKP	PKP	11 01 24.8 +0.3
SOMA	comp-Z,800nm,20.0s	Songino Array	148.29 277	ePKP	PKP	PKP	11 01 21.1 +1.0
SOMN	comp-Z,2.0nm,0.8s	Songino Array	148.29 277	ePKP	PKP	PKP	11 01 21.1 +1.0
SONA1	comp-Z,2.0nm,0.8s	Songino Array	148.29 277	ePKP	PKP	PKP	11 01 21.3 +1.1
SONA2	comp-Z,2.0nm,0.8s	Songino Array	148.29 277	ePKP	PKP	PKP	11 01 26.5 -0.2
UOSS	comp-Z,800nm,22.0s	Minazif	148.98 181	PFAKE	LR	LR	11 01 30.0 +0.1
TUE	comp-Z,800nm,22.0s	Stuetta	150.02 89	ePKP	PKP	PKP	11 01 24.2 +1.2
TUE	comp-Z,800nm,22.0s	Stuetta	150.02 89	ePKP	PKP	PKP	11 01 29.4 +0.5
TUE	comp-Z,800nm,22.0s	Stuetta	150.02 89	ePKP	PKP	PKP	11 01 34.0 0.0
IDI	comp-Z,500nm,20.0s	Anoyia	150.55 122	PFAKE	LR	LR	11 01 30.0 +0.5
FUORN	comp-Z,800nm,20.0s	Olenpass-Fuorn	150.62 89	ePKP	PKP	PKP	11 01 22.9 -1.2
FUORN	comp-Z,800nm,20.0s	Olenpass-Fuorn	150.62 89	ePKP	PKP	PKP	11 01 30.4 +0.1
TYL	comp-Z,800nm,20.0s	Talaya	151.81 282	PFAKE	LR	LR	11 01 40.0 -1.0
KARP	comp-Z,800nm,20.0s	Karpathos	151.83 125	PFAKE	LR	LR	11 01 40.0 -1.5
GE2C	comp-Z,200nm,21.0s	GERESS Array S	153.79 88	PFAKE	LR	LR	11 01 40.0 +3.6
NKC	comp-Z,1um,22.0s	Novy Kostel	153.79 88	eSS	SS	SS	11 25 09.1 +7.3
KHC	comp-Z,1um,22.0s	Kasperske Hory	153.87 87	eSS	SS	SS	11 25 04.3 +1.7
KHC	comp-Z,800nm,22.7s	Mathiatis	154.00 135	PFAKE	LR	LR	11 01 40.0 +2.8
PRU	comp-Z,100nm,22.0s	Pruhonice	154.84 86	eSS	SS	SS	11 25 15.5 +2.4
GOPC	comp-Z,900nm,21.0s	GO Pecny, Ondr	154.94 87	eSS	SS	SS	11 25 19.0 +4.7
TREC	comp-Z,800nm,21.1s	Trest	155.02 89	AMS	AMS	AMS	12 27 00.0
PVCC	comp-Z,1um,23.1s	Panska Ves	155.12 85	AMS	AMS	AMS	12 25 30.0
ISP	comp-Z,900nm,22.0s	Isparta	155.23 127	PFAKE	LR	LR	11 01 40.0 +9.1
VTS	comp-Z,800nm,22.0s	Vitoshka	155.23 109	PFAKE	LR	LR	11 01 40.0 +9.2
KONO	comp-Z,800nm,22.0s	Kongsberg	155.60 62	PFAKE	LR	LR	11 01 40.0 +9.5
UPC	comp-Z,800nm,20.0s	Ustice	155.92 86	AMS	AMS	AMS	12 26 30.0
DPC	comp-Z,900nm,18.2s	Dobruska-Polom	156.02 87	ePKP	PKP	PKP	11 01 44.6 +1.3
WMQ	comp-Z,700nm,19.5s	Urumqi	156.27 253	PKP	PKP	PKP	11 01 33.6 +1.6
WMQ	comp-Z,700nm,19.5s	Urumqi	156.27 253	PKP	PKP	PKP	11 02 04.2 +1.1
WMQ	comp-Z,700nm,19.5s	Urumqi	156.27 253	PKP	PKP	PKP	11 05 38.3 0.0
WMQ	comp-Z,700nm,19.5s	Urumqi	156.27 253	PKP	PKP	PKP	11 12 23.3
WMQ	comp-Z,700nm,19.5s	Urumqi	156.27 253	PKP	PKP	PKP	11 25 25.4 -3.1
WMQ	comp-Z,210nm,10.1s			LR	LR	LR	
WMQ	comp-Z,2um,36.7s			LR	LR	LR	
WMQ	comp-Z,960nm,39.9s			LR	LR	LR	
MORC	comp-Z,430nm,26.7s	Moravsky Berou	156.42 89	PFAKE	LR	LR	11 01 40.0 +8.0
KBL	comp-Z,3um,20.0s	Kabul	156.64 209	PFAKE	LR	LR	11 01 40.0 +7.0
OKC	comp-Z,800nm,22.0s	Ostrava-Krasne	156.79 90	AMS	AMS	AMS	12 27 50.0
BR21	comp-Z,3um,19.0s	Keskin Mr Arra	157.90 127	ePKP	PKP	PKP	11 01 32.0 -2.3
BRTR	comp-Z,3um,19.0s	Keskin Array B	158.18 129	PKP	PKP	PKP	11 01 33.5 -1.2
BRTR	comp-Z,0.3nm,0.3s	Keskin Array B	158.18 129	PKP	PKP	PKP	11 02 10.9 +0.2
BR101	comp-Z,3.8nm,1.1s	Keskin Array S	158.18 129	ePKP	PKP	PKP	11 01 33.5 -1.2
MLR	comp-Z,3um,20.0s	Muntele Rosu	158.64 107	PFAKE	LR	LR	11 01 50.0 +1.5
KSH	comp-Z,2um,22.0s	Kashi	158.71 228	ePKP	PKP	PKP	11 01 35.9 +0.6
KSH	comp-Z,2um,22.0s						





























11d 15h

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like MYKOM Kota Tinggi, LKWKY Lake, WRH Wood River Hill, etc.

2011 NOV

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like BILL MLR, BJT Baijiatuau, BJT comp=Z,236nm,1.7s, etc.

630

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like Y37A Hugo, DGMT Dagmar, 239A Gary, etc.





Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Bardonecchia, Cabril, Kas, Braganca, Vila Real, Podgorica, Villacollemand, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Huatulco, Vista Hermosa, Comitán, Pinotepa, Inuvik, Dawson, Eielson Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Hitachi, Iwakimizuishy, Kawouchi, Shibaou, Yasato, etc.





11d 16h

Table with columns: YJNG, YJNS, ALS, ALS, NSK, NSK, YOJ, TWG, TWG, CHN5, CHN5, STYT, STYT, STYT, NSST, NSST, CHN4, CHN4, WTP, WTP, WTP, SGST, SGST, CHN1, CHN1, CHN1, ECL, ECL, TWK, TWK, TWK, HATJ, HATJ, IRIF, IRIF, EAST, EAST, SCZT, SCZT, JKRS, JKRS, JKRS, JIJ, JIJ, JISG, JISG, JTJ, JTJ

ISCJB 11 16:36:52.0,3,59.31N,0.02,152.67W,0.05, h96km,3km, mb3.7/3, Error ellipse: s-maj=4.9km s-min=2.9km az=42.3

NEIC 11 16:36:54.4,0.0,59.31N,152.75W, h84km, MG3.5(AEIC), After AEIC

ISC 11 16:36:53.5,0.8,59.30N,0.03,152.73W,0.03, h90km,6km, n77, c0599/106, mb3.8/3, Southern Alaska

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

2011 NOV

Table with columns: RND, PS11, PS11, DHY, BERG, BERG, MCK, BPAW, KHIT, VRDI, PAX, KULT, TGL, DOT, DOT, DOT, COLA, COLA, ILAR, ILAR, ILAR, EGAK, EGAK, DAWK, DAWK, INK, YKA, YKA, PETK, PETK, KSRS, KSRS, KSAR, KSAR, SONM, SONM

NNC 11 16:37:29.6,2.1,44.65N,79.44E, h0km, mb2.5, mpv2.5, Error ellipse: s-maj=33.7km s-min=7.1km az=107.0

SOME 11 16:37:31.1,44.65N,79.43E, h15km, n18, c060/34,4C-4D, Eastern Kazakhstan

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

NNC 11 16:41:22.6,1.3,44.61N,79.59E, h4km,9km, mb2.8, mpv2.4, Error ellipse: s-maj=10.8km s-min=4.4km az=112.0

SOME 11 16:41:22.6,44.60N,79.32E, h5km, n24, c086/46,9C-6D, Eastern Kazakhstan

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

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Table with columns: CHKK, CHKK, KOTS, KOTS, MDOK, MDOK, MDOK, MDOK, KUU, KUU, KUU, TNSS, TNSS, TNSS, IZV, IZV, IZV, MTBS, MTBS, MTBS, KST, KST, KST, DGS, DGS, DGS, MK31, MK31, MK31, MK31, MK31, MK31, TKM2, TKM2, TKM2, KURK, KURK, KURK

SJA 11 16:44:37.8,0.9,34.70S,72.74W, h4km,5km, ML3.3, MW3.1

GUC 11 16:44:48.8,0.6,34.82S,71.89W, h43km,2km, ML3.6

ISC 11 16:44:44.3,2.3,35.0S,0.1x72.2W,0.1, h18km,11km, n19, c243/32,2C-1D, Near coast of central Chile

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

IDC 11 16:44:56.5,1.2,52.10N,172.00W, h0km, mb3.6/5, mb3.9/6, mb3.5/3, mb3.6/6, ML3.5/1, Error ellipse: s-maj=48.8km s-min=24.4km az=158.0

ISCJB 11 16:45:01.7,0.8,52.22N,0.2,171.96W,0.09, h50km, mb3.5/5, Error ellipse: s-maj=26.6km s-min=5.8km az=167.3

NEIC 11 16:45:01.6,0.0,52.24N,171.92W, h44km, ML3.3(AEIC), After AEIC

ISC 11 16:45:03.1,1.0,52.22N,0.2,171.96W,0.07, h50km, n17, c098/13, mb3.5/5, Fox Islands

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

ISK 11 16:51:35.3,36.94N,27.84E, h5km, ML2.6, DD 11 16:51:35.8,36.97N,27.85E, h7km, ML2.6

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

SOME 11 16:52:00.2, 41.92N; 72.80E, h5km
KRNET 11 16:52:00.6, 0.1, 41.98N; 72.80E, h21km, mb1.8

ISC 11 16:52:01.3, 0.9, 41.99N; 0.03, 72.81E, h10km, 6km, n15, e074/29, 19C-5D, Kyrgyzstan

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like TOKL, MNAS, ARK, AML, MRKS, etc.

MAN 11 16:52:36, 7.87N; 125.02E, h25km, mb4.7, ML3.6, MS3.5, ID, Mindanao

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

DDA 11 16:53:57.4, 36.65N; 36.49E, h7km, Md3.0
CSEM 11 16:53:58.0, 0.1, 36.68N; 36.47E, h2km, MD3.0, Error

ISC 11 16:53:58.1, 36.72N; 36.44E, h6km, ML2.3
ISC 11 16:53:57.3, 1.3, 36.65N; 0.04, 36.47E, h3km, 14km, n33, e097/41, Jordan-Syria region

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

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

ISC 11 16:54:06.3, 2.3, 5.99S; 130.50E, h0km, mb4.0/1, mb1.3/7.3, mb1mx3.4/19, mbtmp3.6/3, ML3.6/2, Error

ellip: s-maj=142.3km s-min=30.0km az=71.0, Banda Sea

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

ASAR Alice Springs 17.88 17.0 Pn 16 58 15.8 -0.8
MKAR Makanchi Array 67.66 32.6 P 17 05 05.3 +0.1

CSEM 11 17:04:51.8, 0.2, 38.48N; 43.33E, h8km, ML2.8, Error
ellip: s-maj=6.7km s-min=4.8km az=107.0

ISCJB 11 17:04:52.0, 0.6, 38.49N; 0.04, 43.35E, h9km, 4km, Error
ellip: s-maj=7.7km s-min=5.2km az=36.5

DDA 11 17:04:52.1, 38.45N; 43.33E, h7km, ML2.8
ISC 11 17:04:51.8, 0.9, 38.48N; 0.03, 43.32E, h7km, 7km, n26, e064/35, Turkey

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

ISC 11 17:07:17.5, 38.61N; 43.16E, h6km, ML2.7
DDA 11 17:07:18.8, 38.65N; 43.26E, h7km, ML2.7

CSEM 11 17:07:18.3, 0.2, 38.63N; 43.20E, h12km, ML2.7, Error
ellip: s-maj=5.7km s-min=4.3km az=90.0

ISCJB 11 17:07:19.2, 0.5, 38.61N; 0.03, 43.24E, h15km, 6km, Error
ellip: s-maj=7.1km s-min=5.4km az=18.5

ISC 11 17:07:18.7, 0.9, 38.62N; 0.02, 43.21E, h14km, 7km, n25, e065/36, Turkey

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

NIED 11 17:09:00, 29.70N; 130.00E, h80km, Mw4.3 Best double
couple: M3, 12000; 1019; NP1, 161.00000; 321.00000,

1-25.00000; NP2, 275.00000; 361.00000; 1-109.00000

BJJ 11 17:09:41.9, 29.35N; 130.19E, h112km, mb4.5/35, mb4.6/27

ISCJB 11 17:09:44.6, 0.2, 29.71N; 0.02, 129.96E, 0.03, h106km, 1km, mb4.7/69, Error ellip: s-maj=4.6km

s-min=2.8km az=27.2
NEIC 11 17:09:46.0, 2.2, 29.71N; 129.87E, mb4.9/46, Error
ellip: s-maj=4.7km s-min=3.6km az=110.0

NEIC Recorded [2 JMA] on Sunanose-jima.
JMA 11 17:09:46.0, 2.2, 29.72N; 129.98E, h91km, 1km, M4.0

JMA Felt II J1.
ISC 11 17:09:47.0, 2.7, 29.82N; 129.75E, h111km, 5km, mb3.9/17, mb1.4/12, mb1mx3.0/28, mbtmp4.3/20, MS3.3/5,

mb1.3/3.5, ms1mx3.0/44, Error ellip: s-maj=14.4km s-min=9.2km az=104.0

ISC 11 17:09:46.2, 0.4, 29.75N; 0.04, 129.92E, h109km, 3km, h109km, p-P, n156, e177/205, mb4.8/70, Ryukyu Islands

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

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

ISC 11 17:07:18.8, 38.65N; 43.26E, h7km, ML2.7

CSEM 11 17:07:18.3, 0.2, 38.63N; 43.20E, h12km, ML2.7, Error

ISCJB 11 17:07:19.2, 0.5, 38.61N; 0.03, 43.24E, h15km, 6km, Error

ISC 11 17:07:18.7, 0.9, 38.62N; 0.02, 43.21E, h14km, 7km, n25, e065/36, Turkey

NIED 11 17:09:00, 29.70N; 130.00E, h80km, Mw4.3 Best double

couple: M3, 12000; 1019; NP1, 161.00000; 321.00000,

1-25.00000; NP2, 275.00000; 361.00000; 1-109.00000

BJJ 11 17:09:41.9, 29.35N; 130.19E, h112km, mb4.5/35, mb4.6/27

ISCJB 11 17:09:44.6, 0.2, 29.71N; 0.02, 129.96E, 0.03, h106km, 1km, mb4.7/69, Error

ellip: s-maj=4.6km s-min=2.8km az=27.2

NEIC 11 17:09:46.0, 2.2, 29.71N; 129.87E, mb4.9/46, Error

ellip: s-maj=4.7km s-min=3.6km az=110.0

NEIC Recorded [2 JMA] on Sunanose-jima.

JMA 11 17:09:46.0, 2.2, 29.72N; 129.98E, h91km, 1km, M4.0

JMA Felt II J1.

ISC 11 17:09:47.0, 2.7, 29.82N; 129.75E, h111km, 5km, mb3.9/17,

mb1.4/12, mb1mx3.0/28, mbtmp4.3/20, MS3.3/5,

mb1.3/3.5, ms1mx3.0/44, Error ellip: s-maj=14.4km

s-min=9.2km az=104.0

ISC 11 17:09:46.2, 0.4, 29.75N; 0.04, 129.92E, h109km, 3km, h109km, p-P, n156,

e177/205, mb4.8/70, Ryukyu Islands

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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





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

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like IDC, MOS, NEIC, AZER, etc.

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

Table with columns: Code, Station Name, Az, El, P, Time, Res, ISC. Includes stations like BUR04 Bucovina Ar. S, ARU Arti, KKAR Karatay Array, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res, ISC. Includes stations like SNJE San Jose, SOYA Soyapango, SNI Vicente, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res, ISC. Includes stations like KSU1 Kansas State U, URVA University of Cedar Bluff, IP07 Quail, etc.

ISCJB 11 18:09:41.8±0.6, 14°22'N±0.04°90°31'W±0.04, h19km, 5km, mb4.5/68, MS3.5/12, Error ellipse: s-maj=8.7km

NEIC 11 18:09:42.6±1.8, 14°15'N±90°24'W, h15km, 12km, mb4.5/80, MD4.3(SNET), Error ellipse: s-maj=9.5km s-min=5.0km az=46.0

NEIC FET [III] at Guatemala. Also felt at Fraijanes, Mixco, San Marcos, La Laguna and Villa Canales. Felt [I] at Ahuachapán, El Salvador.

IDC 11 18:09:45.6±3.2, 14°28'N±90°25'W, h42km, 31km, mb4.0/12, mb1.4/215, mb1mx3.9/40, mbtp4.2/15, ML3.5/3, MS3.5/13, Ms1.3/13, ms1mx3.3/28, Error ellipse: s-maj=27.0km s-min=13.5km az=60.0

CASC 11 18:09:47.0±2.0, 14°10'N±90°07'W, h15km, ML3.9, mb4.5(NEIC)

ISC 11 18:09:42.2±1.3, 14°21'N±0.05°90°25'W±0.05, h15km±8km, n144, s165/135, mb4.5/69, MS3.5/12, 1C-1D, Guatemala

ISK 11 18:10:15.9, 38°74'N±43°64'E, h5km, ML3.1 CSEM 11 18:10:16.9±0.3, 38°73'N±43°70'E, h2km, ML3.1, Error ellipse: s-maj=6.6km s-min=4.1km az=94.0 DDA 11 18:10:16.8, 38°72'N±43°68'E, h14km, M13.2 ISC 11 18:10:17.2±1.1, 38°73'N±02°43.69E±0.03, h11km, gkm, n58, c07771, Turkey

Table with columns: Code, Station Name, Az, El, P, Time, Res, ISC. Includes stations like VANB Van, VMUR Van-Muradiye, etc.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MIAR Mount Ida, R34A Isabella Hill, R35A Emporia Municipi, etc.

ISK 11 19:42:17.3, 38.78N, 43.14E, h5km, ML2.0
CSEM 11 19:42:19.5, 0.3, 38.73N, 43.15E, h5km, ML2.0, Error
DDA 11 19:42:19.9, 1.1, 38.73N, 43.16E, h7km, ML2.6
ISC 11 19:42:19.9, 1.1, 38.72N, 0.03, 43.18E, 0.03, h16km, 9km,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VANB Van, TVAN Van, ADCV BITLIS Adilcev, etc.

ISCJB 11 20:02:42.4, 0.8, 38.83N, 0.04, 43.78E, 0.06, h8km, Error
CSEM 11 20:02:42.4, 0.2, 38.84N, 43.78E, h8km, ML2.6, Error
DDA 11 20:02:42.5, 38.83N, 43.78E, h7km, ML2.6
ISC 11 20:02:41.2, 1.1, 38.80N, 0.03, 43.84E, 0.05, h8km, n19,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VMUR Van-Muradiye, CLDR Caldiran, TUTA Tutak, etc.

IDC 11 20:05:35.0, 2.6, 42.96N, 105.02W, h0km, mb1 3.7/2,
mb1mx3.3/37, mbtmp3.5/2, ML3.1/2, Error ellipse:
s-maj=49.3km s-min=9.9km az=158.0
ISCJB 11 20:05:37.4, 0.5, 43.59N, 0.05, 105.14W, 0.06, h0km, Error
NEIC 11 20:05:38.3, 0.6, 43.54N, 105.12W, h0km, ML3.1, Error
NEIC 11 20:05:38.3, 0.6, 43.54N, 105.12W, h0km, ML3.1, Error

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like R35D Black Hills, R35A Casper, R35B Casper, etc.

ISCJB 11 20:06:44.0, 0.8, 31.36S, 0.03, 68.71W, 0.06, h100km, 7km,
Error ellipse: s-maj=8.8km s-min=4.9km az=16.8
GUC 11 20:06:43.8, 0.7, 31.38S, 68.70W, h66km, 8km, ML3.4
SJA 11 20:06:43.4, 0.3, 31.35S, 68.86W, h92km, 1km, ML3.3,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SJA San Juan, RTLL Cerro Villuco, AMOG MOGNA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AAGR Agrelo, AVIZ Vizaacheras, FCH Farellones, etc.

ISCJB 11 20:14:10.4, 0.6, 37.26N, 0.04, 71.83E, 0.08, h150km,
Error ellipse: s-maj=9.4km s-min=4.6km az=151.8
NNC 11 20:14:18.1, 1.8, 37.66N, 71.59E, h138km, 23km, mb2.9,
mpv3.5, Error ellipse: s-maj=17.6km s-min=8.4km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZET Dzerherino, MNAS Manas, AAK Ala-Archa, etc.

IDC 11 20:19:40.9, 2.9, 10.88S, 162.10E, h128km, 19km, mb3.4/3,
mb1 3.6/5, mb1mx3.2/37, mbtmp3.6/9, MS1.9/1, Ms1 1.9/1,
ms1mx5.1/918, Error ellipse: s-maj=39.2km
s-min=22.2km az=62.0, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HNR comp=2.28m, 2.19s, HNR Honiara, HNR Mt Dzumac, etc.

ISCJB 11 20:01:31.0, 0.7, 23.8S, 0.1, 180.0W, 0.1, h518km,
mb4.0/13, Error ellipse: s-maj=16.8km s-min=14.0km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like URZ Urewera, RPZ Rata Peaks, PTA Charters Tower, etc.

DJA 11 20:37:21.6, 0.5, 0.5N, 6.124E, h86km, 8km, M4.3/6,
mb4.7/2, mb4.4/3, MLV4.3/6, Mw(MB)4.0/2, Minahasna

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KMSI Cibinong, KMSI Luwuk, MRSI Masani, etc.

NIED 11 20:37:00.26, 90N, 144.20E, h5km, Mw4.2, Best double
couple: M2 56000, 1015 NP1, 285, 800000, 810, 00000,
1-89, 00000, NP2, 108, 00000, 880, 00000,
1-90, 00000,

IDC 11 20:37:51.4, 1.2, 26.69N, 144.01E, h0km, mb3.6/7,
mb1 3.7/9, mb1mx3.6/37, mbtmp3.6/9, ML3.6/2, MS2.9/3,
Ms1 3.0/3, ms1mx2.5/25, Error ellipse: s-maj=41.3km
s-min=18.1km az=78.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MJAR Matsushiro Arr, KSRs Korea Arr, KLR Kulur, etc.

ISCJB 11 20:38:15.6, 0.9, 39.13N, 0.02, 29.11E, 0.02, h12km, 6km,
Error ellipse: s-maj=5.8km s-min=4.8km az=150.6
CSEM 11 20:38:15.6, 0.1, 39.13N, 29.12E, h2km, ML2.4, Error
ellipse: s-maj=1.6km s-min=1.4km az=113.0
ISK 11 20:38:15.4, 39.12N, 29.14E, h7km, ML2.6
DDA 11 20:38:15.4, 39.12N, 29.14E, h7km, ML2.6
ISC 11 20:38:15.6, 0.9, 39.13N, 0.02, 29.11E, 0.02, h12km, 6km,

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like Simav-Kutahya, Demirci, Tavsanti, Kula-Manisa, Karahalli, Bursa, AFYON Kizoren, Cavusko, Kavusko, Suhut-Afyon, Karacabey (Bur), Karacabey (Bur), Gemlik, Gemlik, ADVT Abdulvahap, ADVT Abdulvahap, GONE Gonen-Balikesi, GONE Gonen-Balikesi, ARMT Armutlu, ARMT Armutlu, GULT Gulveren, GULT Gulveren.

WEL 11 20:49:14.2.0.1, 43:64Sx172:47E, h9km, ML3.7/17, Mw3.6, 1C-2D, Error ellipse: s-maj=0.9km s-min=0.8km az=0.0, South Island

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like Canterbury Las, McQueen's Vall, Oxford, Lake Taylor, Incheonbie, Watihua Valley, Kahutara, Lake Benmore, Otahua Downs, Fox Glacier, Denniston Nort, Blackbirch Sta, Nelson, Highcliff Hill, Jackson Bay, Wanaka, Earnsclough, Quartz Range, Baring Head, Kapiti, Mount Morrison, Otaki Gorge, Holdsworth Sta, Mavora Lakes, Scrubby Hill, Mangatainoka R, Birch Farm, The Paps, Kahui Hut.

SJA 11 21:12:35.5.0.3, 28:66Sx70:90W, h5km, 24km, ML4.3, MW3.2, Central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like GUANDACOL, Cerro Coronel, MIOGNA, MIOGNA, Uspallata, PUNTA DE LOS L, CERRO ARCO.

IDC 11 21:37:27.0.2.0, 35:90N-142:36E, h0km, mb3.6/5, mb1 3.7/6, mb1mx3.5/39, mbtmp3.6/6, ML3.1/1, MS3.0/2, Ms1 3.0/2, ms1mx2.4/39, Error ellipse: s-maj=68.3km s-min=23.1km az=65.0

JMA 11 21:37:32.3.1.6, 35:38N-07:141.2E.0.1, h25km, n19, ISC 11 21:37:32.3.1.6, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like Chosi, Boso 1, Boso 3, Boso 4, Matsushiro Arr.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like Matushio, Korea Array, WAKE ISLAND Hy 27,47 118 T, WAKE ISLAND Hy 27,48 118 T, WAKE ISLAND Hy 27,49 118 T, WAKE ISLAND Hy 28,12 120 T, WAKE ISLAND Hy 28,13 120 T, WAKE ISLAND Hy 28,14 120 T, Songino Array, Zalesovo Beam, Makanchi Array, Malin Array Be, Alice Springs, Malin Array Be.

NIED 11 21:39:00, 39:70N-143:60E, h5km, Mw3.8 Best double couple: Ms5.14000x1014 NP1.0x115.00000, 0.1, 0.00000, 1.35, 0.00000, NP2.0x350.00000, 0.90, 0.00000, 1.91, 0.00000, JMA 11 21:39:07.8.0.2, 39:66N-143:57E, h34km, M3.7, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like Tanohata, Miyakonagasaki, Nango, Ohasama, Ichinoseki, Ouri, Ohata, Urakawa-nobuka, Kayabe, Churui, Otama, Akkeshi, JAK.

ISCJB 11 21:48:45.9.1.1, 28:7S:0.1x178:2W:0.2, h33km, mb4.5/8, MS3.0/1, Error ellipse: s-maj=27.8km s-min=9.5km

IDC 11 21:48:46.4.6.8, 28:73S:178:05W, h29km, 48km, mb3.9/3, mb1 4.1/3, mb1mx3.6/18, mbtmp4.0/3, MS3.0/1, Ms1 3.0/1, ms1mx2.5/18, Error ellipse: s-maj=34.5km s-min=19.7km az=53.0

NEIC 11 21:48:48.5.1.1, 28:98S:177:98W, h55km, 9km, mb4.4/4, Error ellipse: s-maj=21.4km s-min=17.1km az=171.0

ISC 11 21:48:47.2.0.9, 28:8S:0.1x178:2W:0.2, h35km, n14, 0:1511/14, mb4.3/8, Kermadec Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like Raoul Island, West Island, NEW, ARCES ARCES Array B, FINES ARCES Array B, NOAA NORSTAR Array B, HFS Hagfors.

ISK 11 21:56:52.7.39:64N-38:81E, h11km, MD2.5, ISCJB 11 21:56:53.2.0.5, 39:68N-07:03:38.78E:0.05, h9km, Error ellipse: s-maj=5.8km s-min=5.0km az=28.3

CSEM 11 21:56:53.1.0.3, 39:66N-38:77E, h8km, MD2.5, Error ellipse: s-maj=6.4km s-min=5.0km az=104.0, DDA 11 21:56:53.1.0.3, 39:66N-38:76E, h7km, MD2.7, ISC 11 21:56:53.1.0.3, 39:66N-07:02:38.77E:0.03, h9km, n28, 0:562/36, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like ilic-Erzincan, Refahiye\_ERZ, Refahiye\_ERZ, Kema, Kelkit, Susehri, Susehri, ERZIN, CUZAR, CUKAN, ELZG, RSDY, SVSK, SVSK, YEMD, YEMD, DARE, DARE, AKCD, AKCD, SARI, SARI.

ISCJB 11 21:57:03.0.0.4, 49:87N-07:03:18:39E:0.03, h0km, Error ellipse: s-maj=4.9km s-min=2.3km az=12.6, IPEC 11 21:57:03.7.0.2, 49:85N-18:49E, h0km, ML1.7/3, Error ellipse: s-maj=2.1km s-min=1.1km az=161.0, CSEM 11 21:57:03.8.0.2, 49:82N-18:39E, h1km, ML2.5/6, Error ellipse: s-maj=6.2km s-min=3.3km az=13.0, PRU 11 21:57:04.9.49:84N-18:38E, h0km, ISC 11 21:57:03.5.0.8, 49:88N-07:03:18:42E:0.02, h0km, n31, 0:1502/57, 3D, Czech and Slovak Republics

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like Ostrava-Krasne, Raciborz, Moravsky Berou, Ojcow, Ojcow, Liptovska Anna, Liptovska Anna, Kraliky, Kraliky, Niedzica, Niedzica, Vranov, Vyhne, Vyhne, Dobruska-Polom, Dobruska-Polom, Kruc Moravsky, Kruc Moravsky, Upec Upec, Upec, STHS Stebnicka Huta, STHS Stebnicka Huta, Kecs Kecov, Kecs Kecov, GO Pecny, Ondr, GO Pecny, Ondr, Pruhonice, Pruhonice, BRG Bergglesshubel, Kasperske Hory, Kasperske Hory.

GUC 11 22:01:02.1.0.5, 17:65S:69:52W, h169km, 9km, ML3.5, 1C-4D, Peru-Bolivia border region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like IPOC Station P, Pisagua, WRA Warramunga Arr, SBA Scott Base, QPO West Island, NEW, ARCES ARCES Array B, FINES ARCES Array B, NOAA NORSTAR Array B, HFS Hagfors.

CSEM 11 22:40:37.4.0.1, 40:49N-26:47E, h10km, ML2.7, Error ellipse: s-maj=2.0km s-min=1.7km az=167.0, ISCJB 11 22:40:37.3.0.3, 40:50N-02:26:47E:0.03, h11km, 3km, Error ellipse: s-maj=3.7km s-min=3.3km az=145.2, ATH 11 22:40:37.1.40:50N-26:45E, h28km, 1km, ML2.3/6, Error ellipse: s-maj=2.5km s-min=1.0km az=256.0, IASPEI 11 22:40:37.3.0.8, 40:49N-02:26:47E:0.02, h13km, 5km, Error ellipse: s-maj=3.1km s-min=2.6km az=124.0, GTS5 selection from ISC bulletin GT5 identified by Bond jr and McLaughlin (2009) selection criteria Bond jr and McLaughlin, A new ground truth data set for seismic studies, <Seism. Res. Let.>, <b>80</b>, 465-472, 2009

ISK 11 22:40:37.2.40:48N-26:50E, h11km, ML2.7, DDA 11 22:40:37.2.40:49N-26:47E, h7km, ML2.9, ISC 11 22:40:37.4.0.8, 40:49N-02:26:46E:0.02, h13km, 5km, n79, 0:40/99, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like Tayfur-Gelibol, Tayfur-Gelibol, Eriki-Kesan, Eriki-Kesan, Eriki-Kesan, Lapseki, Lapseki, Enez, Enez, KESN, KESN, GADG, GADG, RYK, RYK, SART, SART, SART, SART, KRBG, KRBG, EZN.





Table with columns: DRO, NVR, KLV, BOVS, ZAPS, ZAGS, TEKS, UDBI, UDBI, UDBI, NVLJ, NVLJ, NVLJ. Rows include station names, coordinates, and other data.

ISC/JB 11 22:50:38.7:0.5,55:7S:0.1:124.4W:0.2,h10km,mb4.4/19, MS4.8/20, Error ellipse: s-maj=18.1km s-min=11.5km

IDC 11 22:50:39.3:0.6,55:68S:124.42W,h0km,mb3.9/9, mb1.4/19, mb1mx4.0/27, mbtmp3.9/9, MS4.6/14, MS1.4/6/14, ms1mx4.6/19, Error ellipse: s-maj=27.5km s-min=20.5km az=143.0

NEIC 11 22:50:40.7:0.4,55:11.0S:124.33W,h10km,mb5.0/9, MS5.0/6, Error ellipse: s-maj=17.7km s-min=12.0km az=133.0

GCMT 11 22:50:47.9:0.1,55:77S:124.30W,h25km,MW5.6/127, Moment Tensor Solution. s110,c192; s127,c301; Duration: 1s5 Moment tensor: Scale 1017Nm; Mn=0.24±.03; Mw=1.69±.04; Mw0=1.45±.03; Mw-0.39±.08; Mw2.35±.03; NPT=0.87; Best double couple: M22,85700\*1017 NPT=197.00000; 885.00000; 1.174.00000; NPT=287.00000; 884.00000; 1.5.00000; Principal axes: T 3.0070, Plg3.0000; Azm 152.0000; N -0.3000, Plg2.0000; Azm33.0000; P -2.7060, Plg0.0000; Azm24.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface/mantle waves, cutoff=50s.

ISC 11 22:50:40.4:0.4,55:52S:0.09:124.7W:0.1,h10km,n60, r177/42,mb4.2/19,MS4.7/20,1C,Southern East Pacific Rise

Main table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time Res, Res. Rows include stations like Scott Base, Vanda, Rikitea, Tubuai, etc.

Table with columns: H11N2, PDAR, ILAR, PETK, ESDC, RAMM, JKRI, PIRN, KUN, GUN, KOLN, PIYU, TIXI, RAYN, RAYN, ULN, SOMM, GERES, GERES, MKAR, ZALV. Rows include station names and coordinates.

ISC 11 22:54:09.8:38.68N:43.59E,h5km,ML2.7

ISC/JB 11 22:54:11.8:0.7,38:69N:0.04:43:62E:0.07,h13km, Error ellipse: s-maj=8.5km s-min=4.8km az=30.4

CSEM 11 22:54:11.0:0.3,38:68N:43:63E,h2km,MD2.6, Error ellipse: s-maj=7.1km s-min=7km az=95.0

DDA 11 22:54:11.2:38:68N:43:71E,h7km,MD2.6

ISC 11 22:54:11.7:0.9,38:69N:0.03:43:64E:0.04,h13km,n29, r0579/33,Turkey

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time Res, Res. Rows include stations like Van, YVR, YMR, YMU, etc.

IDC 11 22:57:25.6:1.3,3:26N:128.04E,h0km,mb3.7/5, mb1.3/9.5,mb1mx3.5/8,mbtmp3.7/5, Error ellipse: s-maj=120.8km s-min=19.1km az=70.0,North of Halmahera

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time Res, Res. Rows include stations like WRA, ASAR, STKA, SOMM, MKAR.

ISC/JB 11 23:08:32.2:0.7,10:40S:0.07:161.7E:0.1,h61km, mb3.9/11, Error ellipse: s-maj=16.2km s-min=8.0km az=152.6

IDC 11 23:08:36.9:2.4,10:47S:161.57E,h7km,18km,mb3.6/10, mb3.8/11,mb1mx3.6/37,mbtmp4.0/11, Error ellipse: s-maj=25.7km s-min=14.1km az=72.0

ISC 11 23:08:35.4:0.8,10:39S:0.09:161.6E:0.1,h61km,n15, r172/18,mb3.9/11,Bougainville-Solomon Islands region

Main table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time Res, Res. Rows include stations like HNR, HNR, HNR, DZM, CTA, WRA, STKA, ASAR, MJAR, KSRS, USRK, CMAR, SOMM, ILAR, MKAR, ZALV.

Ms1.4/1.3,ms1mx3.0/27, Error ellipse: s-maj=25.2km s-min=16.6km az=129.0

ISC 11 23:13:24.6:0.5,53:95N:0.03:161:57E:0.03,h30km,n115, r143/166,mb4.0/22,MS4.1/3,Off east coast of Kamchatka Peninsula

Main table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time Res, Res. Rows include stations like MKZ, MKZ, MKZ, MYM, MYM, MYM, etc.

KRSC 11 23:13:22.5:10.0,53:83N:161.65E,h31km,10km,ML4.3

ISC/JB 11 23:13:23.6:0.3,53:82N:0.02:161:69E:0.04,h30km, mb4.0/22,MS4.0/3, Error ellipse: s-maj=4.2km s-min=2.1km az=32.9

MOS 11 23:13:24.6:0.8,53:84N:161:63E,h44km,mb4.1/13, Error ellipse: s-maj=8.2km s-min=4.4km az=84.6

NEIC 11 23:13:26.5:1.0,54:02N:161:47E,h42km,9km,mb4.1/9, Error ellipse: s-maj=9.8km s-min=6.0km az=148.0

IDC 11 23:13:27.5:3.0,54:00N:161:47E,h52km,26km,mb3.5/11, mb1.3/8/12,mb1mx3.5/47,mbtmp3.8/12,ML3.0/1,MS4.0/3

KDAK Kodiak Island 25.62 83 LR 23 28 22.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MCKinley, ILAR Eielson Array, H1N2 WAKE ISLAND Hy, etc.

ISC 11 23:13:56.1+1.0, 52.222N:171.84W, h0km, mb3.9/17, mb1.4/0.18, mb1mx3.8/52, b1tmp3.9/18, ML3.3/1, Error ellipse: s-maj=28.3km s-min=19.5km az=176.0 NEIC 11 23:13:56.1+0.0, 51.877N:171.52W, h49km, mb4.1/7, ML3.5(AEIC), After AEIC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KOPF Korovin Flat P, ATKA Atka Island, KOKV Korovin Volcan, etc.

ISC 11 23:16:11.4, 38.88N:43.56E, h5km, MD2.6 CSEM 11 23:16:12.3+0.2, 38.89N:43.55E, h10km, ML2.6, Error ellipse: s-maj=6.5km s-min=4.4km az=92.0 DDA 11 23:16:12.3, 38.86N:43.52E, h7km, ML2.6

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CLDR Caldiran, TVAN Van, ADCV BITLIS\_Adilcev, etc.

ISC 11 23:27:32.9, 36.96N:27.88E, h4km, ML2.4 DDA 11 23:27:33.8, 36.97N:27.88E, h7km, MD2.5 CSEM 11 23:27:33.7+0.1, 36.96N:27.88E, h10km, ML2.4, Error ellipse: s-maj=3.6km s-min=2.2km az=13.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DATC Datca-Mugla, MRSB Marmaris-Mugla, BDRM Kayabasi, etc.

ISC 11 23:28:27.5, 39.08N:43.68E, h5km, ML3.7 DDA 11 23:28:28.1, 39.05N:43.73E, h7km, ML3.2 CSEM 11 23:28:29.1+0.1, 39.06N:43.67E, h2km, ML3.2, Error ellipse: s-maj=4.1km s-min=2.8km az=149.0

ISC 11 23:28:28.7+1.1, 39.06N:02:43.69E, h1km, n2, n92, 09/9/11, 16C-7D, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VMUR Van-Muradiye, CLDR Caldiran, ERVY ERICIS-VAN, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GANJ Ganja, TBGL TBGL, BRDA Brd, etc.

JMA 11 23:45:28.0+2.0, 32.33N:142.00E, h88km, M3.3, IDC 11 23:45:47.0+3.8, 32.87N:140.33E, h70km, 15km, mb3.5/3, mb1.3/6.4, mb1mx3.2/37, mbtmp3.6/4, Error ellipse: s-maj=121.4km s-min=25.6km az=70.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JHUJ Mitsuone, JHUJ Hachijo jima 2, BSO1 Boso 1, etc.

CASC 12 00:09:39.3+1.4, 14.15N:90.32W, h14km, MD4.0, ML3.3, 1C, Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CUS1 Cusmapa, RBDL Robledal, RTR El Retiro, etc.

NNC 12 00:13:09.9+1.3, 36.32N:70.93E, h154km, 14km, mb2.9, mpv3.7, 6C-7D, Error ellipse: s-maj=13.4km s-min=6.8km az=152.0, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZET Dzherino, MNAS Manas, KK31 Karatay Array, etc.

AZER 12 00:24:31.0+0.7, 38.55N:43.30E, h13km, Error ellipse: s-maj=9.0km s-min=5.8km az=123.0

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like CLDR, ERCV, ERVC, etc. with their respective coordinates and phases.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like PNIG, TLNG, CAIG, etc. with their respective coordinates and phases.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like VMUR, CLDR, ERVC, etc. with their respective coordinates and phases.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like VANB, VANV, TVAN, etc. with their respective coordinates and phases.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like VMUR, CLDR, ERVC, etc. with their respective coordinates and phases.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like MJAR, KSRs, WRA, etc. with their respective coordinates and phases.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like BSO1, BSO3, CHQJ, etc. with their respective coordinates and phases.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like USRK, H1N2, H1N1, etc. with their respective coordinates and phases.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like ILAR, WRA, INK, etc. with their respective coordinates and phases.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like V35A, V36A, V36B, etc. with their respective coordinates and phases.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like V36A, V36B, V36C, etc. with their respective coordinates and phases.

Error ellipse: s-maj=69.4km s-min=14.1km az=166.6
IDC 12 01:00:35.9:7.3,24:59N:141:31E, h140km,100km,
mb3.3/3, mb1 3.4/5, mb1mx3.0/40, mbtmp3.7/5, Error
ellipse: s-maj=159.1km s-min=22.5km az=69.0
ISC 12 01:00:36.1:1.6,24:7N:0:141:141E,0.3/4, h148km,n6,
o5f16/6, mb3.8/4, Volcano Islands region

NIED 12 01:00:34.80N:142:80E, h5km, Mw3.7 Best double
couple: M3.3, 4200x1014 NPI:36.67,00000, 335.00000,
1-19.00000
IDC 12 01:04:23.7:1.1,34:76N:142:74E, h8km, mb3.7/4,
mb1 3.9/6, mb1mx3.6/44, mbtmp3.7/6, MLJ-2, MS2.7/2,
Ms1 2.7/2, ms1mx2.3/39, Error ellipse: s-maj=30.6km
s-min=21.3km az=113.0
ISCJB 12 01:04:26.6:0.8,34:72N:0:06:142:68E:0:07, h33km,
mb3.8/4, Error ellipse: s-maj=9.5km s-min=8.3km az=41.1
JMA 12 01:04:26.0:0.5,34:75N:142:76E, h50km, M3.6
ISC 12 01:04:28.7:1.2,34:73N:0:07:142:6E:0:1, h35km, n2,
o5f74/16, mb3.9/4, Off east coast of Honshu

IASPEI 12 01:18:42.3:1.1,35:55N:0:02:96:73W, h4km, ML3.1(TUL),
After TUL
NEIC 12 01:18:42.8:0.3,35:55N:0:01:96:73W, h10km, 7km,
n98, r136/149, Oklahoma
NEIC Fell [J] at Edmond, Muskogee, Okawasa and Prague. Fell
station in the Oklahoma City-Tulsa area
ISC 12 01:18:42.8:0.3,35:55N:0:01:96:73W, h10km, 7km,
n98, r136/149, Oklahoma

ISK 12 00:44:13.3,38:91N:43:60E, h5km, ML2.4
ISCJB 12 00:44:14.5:0.7,38:93N:0:03:43:63E:0:06, h14km, 5km,
Error ellipse: s-maj=8.4km s-min=5.4km az=175.2
CSEM 12 00:44:14.2:0.2,38:91N:43:59E, h8km, ML2.5, Error
ellipse: s-maj=6.5km s-min=4.8km az=94.0
DDA 12 00:44:14.1,38:79N:43:62E, h7km, ML2.5
ISC 12 00:44:14.5:0.9,38:90N:0:03:43:58E:0:04, h10km, 6km,
n25, o6f13/2, Turkey

ISK 12 00:44:13.3,38:91N:43:60E, h5km, ML2.4
ISCJB 12 00:44:14.5:0.7,38:93N:0:03:43:63E:0:06, h14km, 5km,
Error ellipse: s-maj=8.4km s-min=5.4km az=175.2
CSEM 12 00:44:14.2:0.2,38:91N:43:59E, h8km, ML2.5, Error
ellipse: s-maj=6.5km s-min=4.8km az=94.0
DDA 12 00:44:14.1,38:79N:43:62E, h7km, ML2.5
ISC 12 00:44:14.5:0.9,38:90N:0:03:43:58E:0:04, h10km, 6km,
n25, o6f13/2, Turkey

ISK 12 00:44:13.3,38:91N:43:60E, h5km, ML2.4
ISCJB 12 00:44:14.5:0.7,38:93N:0:03:43:63E:0:06, h14km, 5km,
Error ellipse: s-maj=8.4km s-min=5.4km az=175.2
CSEM 12 00:44:14.2:0.2,38:91N:43:59E, h8km, ML2.5, Error
ellipse: s-maj=6.5km s-min=4.8km az=94.0
DDA 12 00:44:14.1,38:79N:43:62E, h7km, ML2.5
ISC 12 00:44:14.5:0.9,38:90N:0:03:43:58E:0:04, h10km, 6km,
n25, o6f13/2, Turkey

U37A	Salina	1.57	56	Pb	Pn	01 19 10.9	-0.4
U37A	baz=237,SNR=48			Sb	Sb	01 19 32.2	-0.2
Y35A	Marietta	1.66	189	Pb	Pn	01 19 12.8	+0.2
Y35A	baz=8.5,SNR=159			S	Sg	01 19 36.2	+0.2
T36A	Boggs Farm, Ca	1.66	24	Pb	Pn	01 19 12.2	-0.5
T36A	baz=205,SNR=66			Sb	Sb	01 19 34.8	-0.3
Y36A	Durant	1.68	167	P	Pn	01 19 12.8	-0.1
Y36A	baz=348,SNR=25			Sb	Sg	01 19 36.2	-0.6
X38A	Whitesboro	1.79	119	Pb	Pn	01 19 14.7	+0.3
X38A	baz=300,SNR=103			Sb	Sg	01 19 39.8	-0.5
Y37A	Hugo	1.81	149	Pb	Pb	01 19 15.2	-1.2
Y37A	baz=330,SNR=20			Sb	Sg	01 19 40.7	-0.3
WMOK	Wichita Mounta	1.86	245	P	Pn	01 19 15.5	+0.1
WMOK	baz=63,SNR=89			Sb	Sb	01 19 40.8	-0.1
WMOK	Wichita Mounta	1.86	245	ePn	Pn	01 19 15.6	+0.1
WMOK	baz=63			eSn	Sb	01 19 40.4	-0.6
W38A	Poteau	1.87	104	P	Pn	01 19 15.9	+0.4
W38A	baz=286,SNR=28			Sb	Sg	01 19 42.5	-0.5
V38A	Caneyhill	1.92	80	P	Pn	01 19 16.1	-0.1
V38A	baz=261,SNR=118			Sb	Sb	01 19 42.8	+0.2
U32A	Winter Ranch,	2.02	295	P	Pn	01 19 17.5	-0.1
U32A	baz=114,SNR=30			Sb	Sb	01 19 17.5	-0.1
U38A	Gravette	2.10	64	P	Pn	01 19 19.2	+0.4
U38A	baz=246,SNR=27			Sb	Sb	01 19 19.8	+0.5
T37A	Cheneyville 18	2.15	42	P	Pn	01 19 19.8	+0.5
T37A	baz=224,SNR=126			Sb	Sb	01 19 49.5	+0.2
S35A	Outer Creek Ra	2.16	9	P	Pn	01 19 20.7	+0.7
S35A	baz=189,SNR=40			Sb	Pn	01 19 20.7	+1.0
S34A	Willow Spring	2.17	352	P	Pn	01 19 20.7	+1.0
Z36A	Blue Ridge	2.28	174	P	Pn	01 19 21.6	+0.4
Z36A	baz=354			Sb	Pn	01 19 21.6	+0.1
Y38A	Idabel	2.31	134	P	Pn	01 19 21.6	+0.1
Y38A	baz=315			Sb	Pn	01 19 23.7	+1.5
S36A	Lake Cedric, C	2.36	23	P	Pn	01 19 23.7	+1.5
S36A	baz=203			Sb	Pn	01 19 22.8	+0.2
HHAR	Hobbs	2.38	71	ePn	Pn	01 19 23.0	+0.2
X39A	Fountain Ranch	2.38	115	P	Pn	01 19 23.3	+0.7
X39A	baz=237			Sb	Pn	01 19 23.6	+0.3
W39A	Magazine	2.44	97	P	Pn	01 19 23.6	+0.3
W39A	baz=279			Sb	Pn	01 19 24.5	+0.8
T38A	Diamond	2.47	52	P	Pn	01 19 24.5	+0.8
T38A	baz=234			Sb	Pn	01 19 24.5	+0.1
Z37A	Poppe Cattle C	2.52	158	P	Pn	01 19 24.5	+0.1
Z37A	baz=339			Sb	Pn	01 19 24.4	-0.3
V39A	Pettigrew	2.53	82	P	Pn	01 19 24.4	-0.3
V39A	baz=264,SNR=16			Sb	Pn	01 19 28.2	+1.5
S37A	Fort Scott	2.69	34	P	Pn	01 19 28.2	+1.5
S37A	baz=215			Sb	Pn	01 19 27.7	-0.1
U39A	Green Forest	2.77	72	P	Pn	01 19 27.7	-0.1
MIAR	Mount Ida	2.78	110	P	Pn	01 19 27.9	-0.1
MIAR	baz=292,SNR=50			ePn	Pb	01 19 28.2	+0.3
MIAR	Mount Ida	2.78	110	ePb	Pb	01 19 33.0	+0.1
MIAR	baz=292			ePb	Pg	01 19 35.2	-0.8
MIAR	baz=292			eSg	Pg	01 20 09.9	-2.0
R34A	Isabella, Hill	2.78	352	P	Pn	01 19 28.2	+0.1
R34A	baz=171,SNR=6.9			Sb	Pn	01 19 29.1	+0.8
R35A	Emporia Munic	2.81	9	P	Pn	01 19 29.1	+0.8
R35A	baz=189			Sb	Pn	01 19 30.5	+0.2
R36A	Gordon, Harris	2.94	19	P	Pn	01 19 30.5	+0.2
R36A	baz=207			Sb	Pn	01 19 31.7	+0.4
W40A	Ferguson Farm,	3.02	96	P	Pn	01 19 31.7	+0.4
W40A	baz=278			Sb	Pn	01 19 31.6	+0.4
W40A	Ferguson Farm,	3.02	96	ePn	Pn	01 19 32.9	+1.1
W40A	137A Heron Place, G	3.05	164	P	Pn	01 19 32.9	+1.1
W40A	baz=345			Sb	Pn	01 19 32.4	+0.2
S38A	Stockton	3.08	47	P	Pn	01 19 32.4	+0.2
S38A	baz=228			Sb	Pn	01 19 32.6	+0.4
T39A	Clever	3.09	60	P	Pn	01 19 32.6	+0.4
T39A	baz=242			Sb	Pn	01 19 34.1	+0.9
R37A	Teagarden Farm	3.15	28	P	Pn	01 19 34.1	+0.9
R37A	baz=210,SNR=14			Sb	Pn	01 19 34.0	+0.4
138A	Matatal Enter	3.19	154	P	Pn	01 19 34.0	+0.4
138A	baz=335			Sb	Pn	01 19 33.7	-0.1
V40A	Whits Springs	3.19	84	P	Pn	01 19 33.7	-0.1
V40A	baz=267,SNR=14			Sb	Pn	01 19 34.4	+0.2
Y40A	Okolona	3.23	117	P	Pn	01 19 34.4	+0.2
Y40A	baz=300			Sb	Pn	01 19 34.5	0.0
U40A	Yellville	3.25	74	P	Pn	01 19 34.5	0.0
U40A	baz=257			Sb	Pn	01 19 36.1	+0.2
Q35A	Mercer Eighty,	3.35	9	P	Pn	01 19 36.1	+0.2
Q35A	baz=190			Sb	Pn	01 19 36.5	+0.4
X40A	Basin Creek Fa	3.37	107	P	Pn	01 19 36.5	+0.4
X40A	baz=290			Sb	Pn	01 19 36.0	-0.2
Q34A	Chapman	3.37	357	P	Pn	01 19 36.0	-0.2
Q34A	baz=177			Sb	Pn	01 19 37.5	-0.1
R38A	Fenwick Farm,	3.48	40	P	Pn	01 19 37.5	-0.1
R38A	baz=222,SNR=12			Sb	Pn	01 19 37.9	+0.3
S39A	Bolivar	3.48	51	P	Pn	01 19 37.9	+0.3
S39A	baz=233			Sb	Pn	01 19 39.2	+0.6
KSU1	Kansas State U	3.55	2	P	Pn	01 19 39.2	+0.6
KSU1	baz=182			ePn	Pb	01 19 38.5	-0.1
KSU1	Kansas State U	3.55	2	ePn	Pb	01 19 47.3	+1.2
KSU1	baz=182			eSg	Sg	01 20 34.9	-1.9
X301	Greenbrier Sit	3.55	94	ePn	Pn	01 19 39.0	+0.4
X301	baz=197			eSn	Sn	01 20 22.5	+1.5
Q36A	Arnold C. Orve	3.56	16	P	Pn	01 19 39.4	+0.7
Q36A	baz=197			Sb	Pn	01 19 39.3	+0.1
WHTX	Lake Whitney,	3.60	190	P	Pn	01 19 39.3	+0.1
WHTX	baz=9.3,SNR=7.3			ePn	Pb	01 19 38.9	-0.4
WHTX	Lake Whitney,	3.60	190	ePn	Pb	01 19 47.0	+0.1
WHTX	baz=9.3			eSg	Pb	01 20 32.9	+2.1
WHAR	Woolly Hollow	3.64	93	ePn	Pn	01 19 41.1	+1.3
WHAR	baz=177			e	Pn	01 19 48.6	
W41B	Gary Mavity, V	3.69	94	P	Pn	01 19 40.7	+0.2
W41B	baz=277,SNR=14			Sb	Pn	01 19 40.8	-0.3
V41A	Mountainview	3.73	85	P	Pn	01 19 40.8	-0.3
V41A	baz=268,SNR=7.5			Sb	Pn	01 19 41.9	+0.4
T40A	Mansfield	3.76	64	P	Pn	01 19 41.9	+0.4
T40A	baz=246			Sb	Pn	01 19 41.5	-0.3
ABTX	Abilene, Hawle	3.79	220	P	Pn	01 19 41.5	-0.3
ABTX	baz=39			ePn	Pb	01 19 41.6	-0.3
ABTX	Abilene, Hawle	3.79	220	ePn	Pb	01 19 52.1	+1.9
ABTX	baz=39			eSn	Sb	01 20 26.7	-0.2
ABTX	Abilene, Hawle	3.79	220	eSg	Sb	01 20 38.5	+2.1
ABTX	baz=39			Pn	Pn	01 19 45.2	+0.7
U41A	Lebanon	3.98	58	P	Pn	01 19 45.2	+0.7
U41A	baz=240			Sb	Pn	01 19 44.3	-0.3
U41A	Viola	3.99	77	P	Pn	01 19 44.3	-0.3
U41A	baz=260			Sb	Pn	01 19 44.1	-0.5
Z39A	Gary	3.99	151	P	Pn	01 19 44.1	-0.5
Z39A	baz=333			Sb	Pn	01 19 44.7	-0.1
P34A	Walnut Farm, R	4.00	359	P	Pn	01 19 44.7	-0.1
P34A	baz=179,SNR=19			Sb	Pn	01 19 45.5	+0.5
P35A	Duane Minner,	4.02	8	P	Pn	01 19 45.5	+0.5
P35A	baz=188			Sb	Pn	01 19 45.2	-0.3
CBKS	Cedar Bluff	4.05	325	P	Pn	01 19 45.2	-0.3
CBKS	baz=143			ePn	Sn	01 19 44.9	-0.6
CBKS	Cedar Bluff	4.05	325	ePn	Sn	01 20 32.2	-1.1
CBKS	baz=143			eSg	Sb	01 20 47.4	+3.5
R39A	Chumby, Stover	4.05	46	P	Pn	01 19 45.5	+0.1
R39A	baz=228			Sb	Pn	01 19 46.7	+0.4
AMTX	Amarillo	4.10	262	P	Pn	01 19 46.7	+0.4
AMTX	baz=78			ePn	Pn	01 19 46.2	-0.1
AMTX	Amarillo	4.10	262	ePn	Pn	01 20 35.2	+0.4
AMTX	baz=78			eSg	Sb	01 20 49.7	+4.1
AMTX	Cathedral Cave	5.07	59	ePn	Pn	01 20 00.5	+1.1
AMTX	baz=260			eSg	Sb	01 20 58.2	+0.1
CCM	Cathedral Cave	5.07	59	ePn	Pn	01 21 18.4	+5.2
CCM	baz=260			Sb	Pn	01 20 07.1	+0.1
MSTX	Muleshoe	5.21	254	ePn	Pn	01 21 18.4	+5.2
MSTX	baz=260			Sb	Pn	01 20 07.1	+0.1

MSTX	Junction City	5.67	208	ePn	Pb	01 20 18.5	+3.9
MSTX	11nm,0.4s			eSg	Sg	01 21 24.3	-5.9
JCT	Junction City	5.67	208	ePn	Pb	01 20 07.9	+0.1
JCT	11nm,0.4s			ePn	Pb	01 20 24.7	+2.4
KSCO	Kayne Shedlock'	5.83	308	ePn	Pb	01 21 42.9	-2.1
KSCO	9.2nm,0.4s			ePn	Pn	01 20 10.6	+0.5
KSCO	Kayne Shedlock'	5.83	308	ePn	Pb	01 20 28.3	+3.2
KSCO	9.2nm,0.4s			ePn	Pb	01 21 47.2	-2.9
SDCO	Great Sand Dun	7.38	290	ePn	Pb	01 20 31.8	0.0
SDCO	Great Sand Dun	7.38	290	ePn	Pb	01 20 59.9	-4.3
SDCO	Great Sand Dun	7.38	290	ePn	Pb	01 22 33.3	-6.5
SDCO	Great Sand Dun	7.38	290	ePn	Pb	01 20 42.7	-0.4
ISCO	Idaho Springs	8.22	304	ePn	Pb	01 21 12.0	+6.2
ISCO	5.5nm,1.0s			ePn	Pb	01 22 43.5	-0.7
ISCO	Idaho Springs	8.22	304	ePn	Pb	01 22 56.8	-1.0
ISCO	Idaho Springs	8.22	304	ePn	Pb	01 22 56.8	-1.0
<p>NIED 12 01:38:00,23:90N,122:30E,h20km,Mw4.6 Best double couple: M=9.98000x10<sup>15</sup> NP1=314.00000°,δ17.00000°,λ155.00000°, NP2=68.00000°,δ83.00000°,λ74.00000°. ISCJB 12 01:38:38.2,0.2,23:95N,0.01,122:41E:0.01,h10km,mb4.5/73,MS3.9/32,Error ellipse: s-maj=2.1km s-min=1.7km az=148.1°</p> <p>BUJ 12 01:38:39.3,24:08N,122:18E,h5km,mb4.5/52,mb4.6/39,ML4.4/6,MS4.3/53,MS7.4/349</p> <p>MOS 12 01:38:41.2,0.9,24:00N,122:21E,h37km,mb4.8/46,MS4.0/14,Error ellipse: s-maj=10.5km s-min=6.0km az=114.0°</p> <p>JMA 12 01:38:41.1,0.1,23:95N,122:29E,h24km,4km,M4.6</p> <p>TAP 12 01:38:41.4,24:00N,122:29E,h21km,ML4.8,C</p> <p>NEIC 12 01:38:42.5,1.4,23:99N,122:26E,h35km,9km,mb4.7/33,MW4.5,ML5.1(TAP),Error ellipse: s-maj=5.3km s-min=4.8km az=92.0 Moment Tensor Solution: s23 Moment tensor: Scale 10<sup>15</sup>Nm; Mw3.18; Mw=5.20; Ms=2.02; Ms=3.83; Ms=1.64; Ms=1.75; Best double couple: M=6.40000x10<sup>15</sup> NP1=73.00000°,δ71.00000°,λ58.00000°. NP2=316.00000°,δ37.00000°,λ147.00000°. Principal axes: T 5.95000,Plg53.00000,Azm305.00000; N 0.83000,Plg30.00000,Azm84.00000; P -6.78000,Plg20.00000,Azm187.00000;</p> <p>NEIC Recorded [2 TAP] in Yilan and [1 TAP] in Hualien.</p> <p>IDC 12 01:38:43.1,6.0,24:14N,122:36E,h33km,46km,mb4.2/31,mb1.4/3/32,mb1mx4.2/52,mb1mp4.3/32,ML3.8/1,MS3.8/26,Ms1.3/26,ms1mx3.7/41 Error ellipse: s-maj=18.0km s-min=12.8km az=69.0°</p> <p>ISC 12 01:38:39.9,0.8,23:94N,0:02,122:32E,0:02,h16km,5km,n270,σ162/356,mb4.6/73,MS3.9/32,17C-13D,Taiwan region</p>							
Code	Station Name	Δ°	AZ°	Op	Phase ID		





KSC0 Kaye Shedlock 5.82 308 eSg Sg 01 44 07.7 -1.8

TAP 12 01:06:48.4, 23:96N:122:27E, h16km, 1km, ML3.6, D, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like Chiawan, ENA, TWC, TWT, etc.

ISC 12 01:50:33.9:1.6, 6:41S:150:42E, h0km, mb3.6/5, mb1 3.8/6, mb1mx3.5/4, mbtmp3.7/6, ML1.6/1, MS3.1/1, Ms1 3.1/1, ms1mx2.4/25, Error ellipse: s-maj=68.0km s-min=24.0km az=126.0

ISC/JB 12 01:50:37.1:1.2, 6:55:0.3:150:42E:0.3, h33km, mb3.5/4, MS3.0/1, Error ellipse: s-maj=52.4km s-min=13.6km az=44.7

ISC 12 01:50:38.8:1.4, 6:55:0.3:150:52E:0.3, h33km, n7, n0878/8, mb3.6/4, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like Port Moresby, WRA, ASAR, STKA, FITZ, etc.

ILAR Eielson Array 84.59 22 P P 02 03 08.1 -0.4

TORD Torndi Arr. Bea 148.56 285 PKPbc PKPbc 02 10 24.0 +0.6

MAN 12 01:50:45.10:38N:126:06E, h2km, mb4.4, ML3.3, MS3.1, 1D, Philippine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like Maasin, Palo, Borongan, Catarman.

NIED 12 01:53:00.32:10N:142:10E, h8km, Mw3.8 Best double couple: M4.95000:1014 NP1.0=155.00000:830.00000, 1.33.00000: NP2.0=36.00000:874.00000:1.16.00000

JMA 12 01:53:14.4:0.4, 32:12N:142:06E, h90km, M3.7, IDC 12 01:53:15.4:1.7, 32:24N:141:84E, h0km, mb3.7/7, mb1 3.8/8, mb1mx3.6/46, mbtmp3.7/8, ML3.2/1, MS2.8/1, Ms1 2.8/1, ms1mx2.3/34, Error ellipse: s-maj=53.1km s-min=16.5km az=65.0

ISC/JB 12 01:53:17.2:0.8, 32:30N:141:9E:0.1, h29km, mb3.7/7, Error ellipse: s-maj=15.6km s-min=8.3km az=149.0

ISC 12 01:53:19.4:1.1, 32:32N:141:9E:0.1, h29km, n15, n155/17, mb3.8/7, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like Hachijojimaks, HJHU, HJU, etc.

DDA 12 02:00:08.4, 42:50N:43:25E, h7km, M3.2 TIF 12 02:00:08.8, 42:48N:43:28E, h14km, 1km CSEM 12 02:00:10.5:0.5, 42:43N:43:21E, h2km, ML2.1, Error ellipse: s-maj=9.2km s-min=5.0km az=158.0

ISC 12 02:00:09.3:1.1, 42:46N:43:25E:0.04, h9km, 9gkm, n25, n066/50, Western Caucasus

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like ONI, GUDG, EPOS, etc.

ISK 12 02:03:50.8, 38:78N:43:70E, h10km, MD2.6 ISC/JB 12 02:03:51.8:0.7, 38:79N:43:68E:0.07, h13km, Error ellipse: s-maj=8.1km s-min=4.2km az=17.1

CSEM 12 02:03:51.5:0.2, 38:80N:43:66E, h15km, ML2.5, Error ellipse: s-maj=6.0km s-min=3.5km az=115.0

DDA 12 02:03:51.7, 38:80N:43:66E, h7km, M2.5 ISC 12 02:03:51.6:0.9, 38:80N:43:66E:0.04, h13km, n24, n0535/32, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like VMUR, VAN, TVAN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like GEVA, ADCV, BITLIS, etc.

ISK 12 02:08:27.8, 38:70N:43:25E, h3km, MD2.4 DDA 12 02:08:29.0, 38:69N:43:26E, h7km, M2.6 ISC/JB 12 02:08:29.1:0.6, 38:69N:43:25E:0.05, h2km, 12km, Error ellipse: s-maj=6.9km s-min=4.5km az=160.0

CSEM 12 02:08:29.0:0.3, 38:69N:43:26E, h3km, MD2.4, Error ellipse: s-maj=7.3km s-min=4.9km az=80.0

ISC 12 02:08:29.4:1.0, 38:69N:43:29E:0.03, h14km, 7km, n27, n100/38, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like VANB, TVAN, ERVC, etc.

ISK 12 02:20:08.4, 35:99N:30:71E, h7km, ML2.9 IDC 12 02:20:09.5:1.4, 35:89N:30:64E, h61km, 24km, mb3.6/2, mb1 3.6/6, mb1mx3.1/44, mbtmp3.6/6, ML3.3/4, MS2.2/1, Ms1 2.2/1, ms1mx1.9/41, Error ellipse: s-maj=13.8km s-min=12.2km az=16.0

ISC/JB 12 02:20:10.1:0.3, 35:98N:30:60E:0.02, h51km, mb3.9/2, MS4.5/1, Error ellipse: s-maj=5.1km s-min=2.7km az=178.3

ATH 12 02:20:10.6, 36:07N:30:55E, h60km, 3km, ML2.9/6, Error ellipse: s-maj=4.6km s-min=2.2km az=346.0

CSEM 12 02:20:11.6:0.2, 36:03N:30:63E, h40km, ML2.9, Error ellipse: s-maj=7.2km s-min=3.4km az=176.0

ISC 12 02:20:10.8:1.0, 35:99N:30:62E:0.03, h51km, n71, n131/94, Eastern Mediterranean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like KSL, AKAS, ELL, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s ISC. Includes stations like ZKR, NPS, BRTR, IMMV, INK, etc.

ISCJB 12 02:59:40.6-0.0, 11.9N, 0.1W, 144.5E, 0.3, h29km, mb3.8/7, MS2.5/2, Error ellipse: s-maj=47.3km s-min=9.7km az=14.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s ISC. Includes stations like RTLS, AUSP, RVCV, ASAL, ARCO, etc.

ISCJB 12 03:01:22.8-0.9, 31.81S, 0.04W, 70.00W, 0.05, h119km, 10km, Error ellipse: s-maj=8.5km s-min=5.0km az=41.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s ISC. Includes stations like KK31, AAK, AAK, AAK, etc.

MOS 12 04:10:01.5-1.1, 29.31S, 61.19E, h10km, mb4.7/29, Error ellipse: s-maj=14.7km s-min=9.2km az=109.9



Table of station data for the first section, including call signs (e.g., H08N2, BOSA), frequencies, and other technical details.

Table of station data for the second section, including call signs (e.g., WMQ, ANN), frequencies, and other technical details.

Table of station data for the third section, including call signs (e.g., DYDN, WAZ), frequencies, and other technical details.

AZER 12 04:10:14.4, 1.7, 38.71N; 43.51E, h11km, Error ellipse: s-maj=17.0km s-min=14.7km az=60.0

ISC 12 04:55:10.2, 36.96N; 27.90E, h12km, ML2.6, Error ellipse: s-maj=6.3km s-min=4.3km az=164.0

ISC 12 04:55:10.4, 1.36, 39.51N; 03.27, 29.1E, 0.02, h5km, 10km, n25, e148/36, Dodecanese Islands

ISC 12 05:09:20.0, 38.47N; 43.27E, h7km, ML2.7, Error ellipse: s-maj=9.5km s-min=8.2km az=27.9

ISC 12 05:09:20.3, 0.3, 38.48N; 43.29E, h1km, 3km, ML2.7, Error ellipse: s-maj=7.8km s-min=5.8km az=101.0

ISC 12 05:09:20.4, 1.0, 38.51N; 03.43, 27E, 0.04, h5km, 11km, n18, a067/22, Turkey

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like VANB Van, GEVA Gevas, ADCV BITLIS Adilcev, etc.

ISK 12 05:10:16.5, 38.68N:43.10E, h12km, ML2.2
ISCJB 12 05:10:17.5, 0.6, 38.70N:0.05:43.14E:0.05, h15km, Error
ellipse: s-maj=8.0km s-min=4.7km az=37.1

CSEM 12 05:10:17.2, 0.2, 38.68N:43.11E, h10km, ML2.7, Error
ellipse: s-maj=6.5km s-min=5.0km az=57.0
DDA 12 05:10:17.6, 38.68N:43.14E, h7km, ML2.7

ISC 12 05:10:17.4, 0.9, 38.68N:0.03:43.12E:0.03, h15km, n18,
<05/44, Turkey

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like VANB Van, GEVA Gevas, VMUR Van-Muradiye, etc.

IDC 12 05:11:58.6, 0.8, 12.28N:143.08E, h0km, mb3.9/8,
mb1.4, 1/9, mb1mx3.8/40, mbtmp3.9/9, ML3.6/1, Error
ellipse: s-maj=46.5km s-min=17.7km az=108.0

NEIC 12 05:12:00.4, 0.4, 12.22N:143.15E, h10km, mb4.3/5, Error
ellipse: s-maj=19.7km s-min=9.0km az=109.0

ISCJB 12 05:12:01.7, 0.5, 12.11N:0.09:143.4E:0.1, h31km,
mb4.1/12, Error ellipse: s-maj=21.5km s-min=8.0km
az=32.0

ISC 12 05:12:03.2, 0.7, 12.11N:0.1:143.5E:0.2, h31km, n27,
<15/43/23, mb4.1/12, South of Mariana Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like GUMO Guam, H1S3 WAKE ISLAND Hy, WRA Warramunga Arr, etc.

ISCJB 12 05:15:49.3, 0.5, 25.97S:0.08:71.0E:0.1, h11km,
mb4.3/21, MS3.5/9, Error ellipse: s-maj=14.5km
s-min=1.1km az=149.8

IDC 12 05:15:49.3, 0.5, 25.93S:0.79:71.0E, h0km, mb4.1/12,
mb1.4/2.1, mb1mx3.9/42, mbtmp4.1/12, MS3.5/9,
Ms1.3/5.9, ms1mx3.2/28, Error ellipse: s-maj=26.0km
s-min=20.2km az=42.0

NEIC 12 05:15:51.0, 0.3, 25.95S:0.70:71E, h10km, mb4.6/12, Error
ellipse: s-maj=8.6km s-min=6.6km az=60.0

ISC 12 05:15:51.0, 0.6, 26.0S:0.1:71.0E:0.1, h11km, n48,
<07/14/0, mb4.2/21, MS3.5/9, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like H0S21 Diego Garcia H, H0S21 Diego Garcia H, H0S21 Diego Garcia H, etc.

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

WRA Warramunga Arr 58.18 98 P 05 25 45.0 -0.4
2.1nm, 0.9s, baz=253, slow=6.9, SNR=11

SNAAS Snaas 60.46 200 P 05 26 00.7 +0.2
1.5nm, 0.9s, baz=128, slow=8.0, SNR=8.5

STKA Stephens Creek 61.12 114 P 05 26 07.2 +1.7
1.0nm, 0.8s, baz=269, slow=6.8, SNR=3.5

OSPA South Pole Qui 64.14 180 eP P 05 26 25.9 +0.6
0.9nm, 1.1s, baz=72, slow=22, SNR=11

GEYT Alikeeb 64.72 349 LR 05 26 30.7 -1.8
comp=Z, 33nm, 21.4s, baz=60, slow=32

VNDA Vanda 65.01 166 LR 05 26 31.2 +0.6
comp=Z, 23nm, 18.2s, baz=60, slow=32

VNDA Vanda 65.01 166 eP P 05 26 32.1 -2.0
0.8nm, 1.1s, baz=72, slow=22, SNR=11

KKAR Karatay Array 68.76 360 eP P 05 26 55.9 +1.1
57nm, 1.3s

MK01 Makanchi Array 73.15 8 eP P 05 27 21.2 +0.1

MK31 Makanchi Array 73.17 8 eP P 05 27 21.6 +0.1

MK32 Makanchi Array 73.17 8 eP P 05 27 21.4 -0.1

MKAR Makanchi Array 73.17 8 eP P 05 27 21.4 -0.1

MKAR Makanchi Array 73.17 8 eP P 05 27 21.4 -0.1

KBZ Khabaz 74.01 339 LR 05 26 58.37

BR10 Keskin Array S 74.07 331 eP P 05 27 27.1 0.0

BRTR Keskin Array B 74.07 331 eP P 05 27 27.1 0.0

BRTR Keskin Array B 74.07 331 eP P 05 27 27.1 0.0

ABKAR Akbulak array 75.55 353 eP P 05 27 35.6 +0.3

KURK Kurchatov 76.67 5 eP P 05 27 42.2 +0.6

TORD Torodi Ar. Bea 77.77 291 P 05 27 48.5 -0.1

TORD Torodi Ar. Sit 77.78 291 P 05 27 48.5 -0.2

BRVK Borovoye 78.72 360 eP P 05 27 52.7 -0.3

SONAO Songo Array 80.10 23 eP P 05 28 00.9 0.0

SONMI Songo Array 80.10 23 P 05 28 00.9 0.0

SONAI Songo Array 80.11 23 eP P 05 28 00.9 -0.1

ZAAO Zalesovo Array 80.51 8 eP P 05 28 02.7 0.0

ZALV Zalesovo Beam 80.51 8 eP P 05 28 02.0 -0.7

ZALV Zalesovo Beam 80.51 8 eP P 05 28 02.6 -0.1

ZAA1 Zalesovo Array 80.51 8 eP P 05 28 02.0 -0.7

KSR5 Kor Array B 82.73 42 LR 06 03 05.2

AKASO Malin Array Be 84.80 335 P 05 28 25.1 0.0

ISK 12 06:05:42.0, 38.79N:43.43E, h5km, ML2.2
ISCJB 12 06:05:43.0, 4.0, 38.79N:0.04:43.5E:0.1, h25km, 6km,
Error ellipse: s-maj=14.8km s-min=5.3km az=22.0
DDA 12 06:05:43.2, 38.72N:43.61E, h7km, ML2.5
CSEM 12 06:05:43.1, 0.4, 38.76N:43.46E, h5km, ML2.5, Error
ellipse: s-maj=15.7km s-min=6.8km az=108.0

ISC 12 06:05:43.0, 1.0, 38.77N:0.03:43.51E:0.06, h23km, 7km,
n15, <09/28/23, Turkey

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

ISCJB 12 06:23:35.8, 0.5, 50.10N:0.03:18.38E:0.03, h0km, Error
ellipse: s-maj=4.2km s-min=2.4km az=17.1

CSEM 12 06:23:36.7, 0.3, 50.08N:18.42E, h1km, ML3.0/10, Error
ellipse: s-maj=3.6km s-min=3.5km az=16.0

IPEC 12 06:23:37.4, 0.2, 50.04N:18.49E, h1km, 3km, ML2/5,
Error ellipse: s-maj=1.8km s-min=1.1km az=163.0

WAR 12 06:23:37.4, 50.04N:18.46E, h1km, Mw2.5
PRU 12 06:23:38.0, 50.04N:18.40E, h0km, n36,
<08/2/69, AC, Poland

Code Station Name Az Az' Op Phase ID ISC Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like RAC Raciborz, RAC Raciborz, OKC Ostrava-Krasne, etc.

MORC Moravsky Beroun 0.63 246 eP P 05 23 49.9 -0.8

OJC Ojcow 0.90 78 eP P 05 23 54.1 0.0

OJC Ojcow 0.90 78 eP P 05 23 54.1 0.0

OJC Ojcow 0.90 78 eP P 05 23 54.1 0.0

OJC Ojcow 0.90 78 eP P 05 23 54.1 0.0

OJC Ojcow 0.90 78 eP P 05 23 54.1 0.0

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OJC Ojcow 0.90 78 eP P 05 23 54.1 0.0

12d 8h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PEL Peidehue, ROCH El Roble, AUSP Uspallata, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HUIG Huatulco, HUIG Vista Hermosa, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CHOU Chosi, JAG Ashikaga, etc.

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

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

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

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KUR07 Kurchatov Arra, KUR06 Kurchatov Arra, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VANB, TVAN, GEVA, etc.

DJA 12 08:14:04.5±1.5, 3°S, 18°14'2E±1', h10km, M3.7/3, ML3.7/3, New Guinea

ISCJB 12 08:32:07.5±0.5, 32°23'N, 0°03'15"±26W, 0.04, h21km, 6km, Error ellipse: s-maj=5.9km s-min=4.9km az=27.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CPBX, MBIG, EMSC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CPBX, MBIG, EMSC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CPBX, MBIG, EMSC, etc.

DJA 12 08:41:53.9±0.5, 32°12'N, 115°53'W, h6km, ML2.6(PAS), ML2.8(BCX), After ECX.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CPBX, MBIG, EMSC, etc.

ISCJB 12 08:42:16.8±0.5, 15°50'S, 0°05'167.70E±0.09, h100km, mb4.5/25, Error ellipse: s-maj=12.6km s-min=7.3km az=6.6

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

ISC 12 08:42:18.1±0.7, 15°52'S, 0°07'167.9E±0.1, h100km, n47, ±1254/50, mb4.4/26, Vanuatu Islands

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

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

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

DJA 12 08:52:17.6±1.5, 4°S, 12°14'2E±1', h10km, M3.9/3, ML3.9/3, New Guinea

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

ISC 12 09:09:05.0±0.3, 38°62'N, 43°14'E, h5km, ML2.8, Error ellipse: s-maj=5.5km s-min=5.0km az=173.1

ISC 12 09:09:07.1±0.6, 38°53'N, 43°18'E, h7km, ML3.1, Error ellipse: s-maj=6.8km s-min=6.1km az=91.0

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

ISC 12 09:19:05.9±8.8, 55°51'N, 85°07'E, h0km, Error ellipse: s-maj=50.8km s-min=28.2km az=5.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like I46RU, I46RU, etc.

ISC 12 09:22:13.9±5.4, 19°17'S, 169°12'E, h257km, 90km, mb2.8/2, mb1 3.0/4, mb1mx2.7/3, mbtmp3.4/3, Error ellipse: s-maj=245.9km s-min=58.5km az=146.0, Vanuatu Islands



Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like Guzelce-Avcila, SBT2, ADVT, etc.

CSEM 12 12:35:38.8, 0.5, 38.77N, 42.58E, h10km, ML2.9, Error ellipse: s-maj=11.4km s-min=8.1km az=69.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like ADCV, BITLIS\_Adilcev, etc.

IDC 12 12:37:13.9, 1.4, 8.51N, 126.77E, h0km, mb3.7/8, mb1 3.8/8, mb1mx3.5/5.1, mbtmpr3.7/8, Error ellipse: s-maj=71.5km s-min=17.3km az=67.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like BIPH, Bislig, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like BUTP, Butuan, BUPP, etc.

ISCJB 12 12:39:26.4, 1.6, 38.90N, 0.04, 43.8E, 0.1, h7km, 6km, Error ellipse: s-maj=14.1km s-min=6.0km az=176.3

CSEM 12 12:39:26.7, 0.7, 38.89N, 43.81E, h10km, ML2.7, Error ellipse: s-maj=13.8km s-min=5.9km az=82.0

DDA 12 12:39:26.6, 38.89N, 43.75E, h7km, ML2.7, ISK 12 12:39:26.0, 38.89N, 42.89E, h25km, ML2.4

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like VANB, Van, etc.

IDC 12 12:40:12.6, 1.1, 46.17N, 152.85E, h0km, mb3.7/8, mb1 3.8/8, mb1mx3.5/5.2, mbtmpr3.7/9, ML2.3, MS2.8/2, Ms1 2.8/2, ms1mx2.3/2.9, Error ellipse: s-maj=30.9km

ISCJB 12 12:40:15.4, 0.8, 46.15N, 0.09, 153.1E, 0.1, h31km, mb3.7/8, MS2.7/2, Error ellipse: s-maj=16.0km

MOS 12 12:40:16.8, 1.3, 46.28N, 152.93E, h43km, mb4.1/4, Error ellipse: s-maj=22.1km s-min=15.4km az=58.5

SKHL 12 12:40:17.5, 1.1, 46.04N, 153.15E, h60km, 5km, mb4.3/5, ISK 12 12:40:17.2, 1.1, 46.1N, 0.1, 153.1E, 0.1, h31km, m2,9

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like KUR, Kuril'sk, etc.

SHO Shikotan, 4.97 245 ePN Pn, SHO comp=E,7.0m,0.4s pmax pmax

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like SHO, Shikotan, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like YUK, comp=N, 120nm, 0.9s, etc.

MOS 12 12:52:00.6, 0.9, 10.82N, 62.59W, h79km, mb5.1/29, Error ellipse: s-maj=8.2km s-min=5.9km az=117.0

BUI 12 12:52:01.8, 10.80N, 62.50W, h85km, mb5.1/4, Ms5.3/5, Ms7.5/0.4

ISCJB 12 12:52:01.1, 0.3, 10.80N, 0.02, 62.51W, 0.02, h85km, 2km, mb4.8/12.9, Error ellipse: s-maj=3.3km s-min=2.9km az=147.1

IDC 12 12:52:02.2, 0.4, 10.86N, 62.49W, h83km, 3km, mb4.3/25, mb1 4.4/29, mb1mx4.4/37, mbtmpp4.6/29, MS3.7/15, Ms1 3.7/15, ms1mx3.5/26, Error ellipse: s-maj=9.4km s-min=6.0km az=145.0

GCMT 12 12:52:02.5, 0.3, 10.69N, 62.48W, h65km, 5km, MW4.9/81, Principal axes: T 2.8610, Plg5.0000, Azm295.0000, N -0.0700, Plg11.0000, Azm41.0000, P -2.7920, Plg35.0000, Azm139.0000, nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s

NEIC 12 12:52:02.0, 2.0, 10.74N, 62.50W, mb5.0/95, MD4.9(TRN), NEIC (MUCAR) Error ellipse: s-maj=3.1km s-min=2.9km az=156.0

NEIC Felt [I] at Ciudad Guayana, Felt [II] at Mucurapo, Port-of-Spain and Tunapuna, Trinidad. Also felt at Saint Joseph and San Juan.

TRN 12 12:52:03.3, 10.80N, 62.43W, h64km, MD4.9, TRN Felt widely in Trinidad, MMI II, III

ISC 12 12:52:01.7, 0.3, 10.75N, 0.03, 62.55W, 0.03, h82km, 2km, h83km, pp-P, n635, 0.1950/740, mb4.9/129, 17C-12D, Near coast of Venezuela

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like TCE, Chacachacare, etc.

12d 12h

2011 NOV

Table with columns for race name, date, time, distance, track, and various performance metrics. Includes sub-sections like H05N1, SDV, PTGA, ROSC, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like Q38A Cooks Store, N40A Merguake, S37A Fort Scott, W35A Tecumseh, W35A Tecumseh, W35A Preston, OK200 N3440 Road, I43A Langenfeld Bro, JCT Junction City, JCT Junction City, JCT Junction City, JCT Junction City, P38A Dawn, V35A Meyer Ranch, V35A Meyer Ranch, J42A Columbus, T36A Boggs Farm, K41A Shullsburg, N39A Derby Farms, S36A Lake Cedric, ZAI8 Zaicatas, ZAI9 Anamosa, O38A Galt, JFW5 Jewell Farm, JFW5 Jewell Farm, I42A Draeger Farm, M39A Webster, T35A Sooner Cattle, P37A Lathrop, R36A Gordon, J41A Loganville, N38A Joes South For, K40A Colesburg, S35A Otter Creek Ra, ABTX Abilene, ABTX Abilene, ABTX Abilene, O37A Wolves Farm, L39A Winton, Q36A Arnold, J40A Soldiers Grove, T34A McClaskey Farm, M38A Pleasantville, WMOK Wichita MOUNTA, WMOK Wichita MOUNTA, R35A Emporia Municip, P36A Good Intent, K39A Oelwein, N37A Lee Farris, Q35A Mercer Eighty, L38A Oak Wood Farm, J39A Decorah, F42A Maple Grove Fa, M37A Triflited Farm, K38A Parkersburg, H40A Chili, R34A Isabella, I39A Houston, KSU1 Kansas State U, KSU1 Kansas State U, Q34A Chapman, J38A Wedel Dairy, U32A Winter Ranch, P34A Walnut Farm, K37A Belmont, I38A Scanlan Farm, J37A Pedenius Farm, F40A Park Falls, K36A Gilmore City, M35A Neola, G39A Holcombe, E40A Wakefield, I37A Lemond, Waseca, TXAR Lajitas Array, TXAR Lajitas Array, TX31 Lajitas Ar Si, F39A Loretta, J36A Seneca, I39A Mellers, SPMM Marine on St, SPMM Marine on St, F38A Pierce - Schro, H36A Jessenland, He

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like F37A Hinrichs Farm, CBKS Cedar Bluff, CBKS Cedar Bluff, CBKS Cedar Bluff, CBKS Cedar Bluff, E38A The Farm, Brul, MSTX Muleshoe, MSTX Muleshoe, HPIG Sunnyside Ranc, H35A Sunnyside Ranc, F36A Milaca, C38A Sawbill Land, SCHO Schefferville, ECSD EROS Cata Cent, D37A Cotton, H34A Spellman Lake, F35A Swanville, MNTX Cornudas Mount, MNTX Cornudas Mount, K31A O'Neill, H33A Pre Over Nor, C36A Pine Crest Far, G33A Carlson Farm, H32A Orion Farm, C35A Jirik Farms, G32A Webster, B35A Bob, Littlefor, T25A Trinidad, T25A Trinidad, SUSD Miller, B34A Aery, Baudette, C33A Trail, F31A Hecla, BNM Barren Site, E31A Nome, AGMN Agassiz Nation, AGMN Agassiz Nation, SLBS Sierra La Lag, SLBS Sierra La Lag, 121A Cooke Peak, D, 121A Cooke Peak, D, SDCO Great Sand Dun, SDCO Great Sand Dun, SDCO Lador, LAZ Lador, C31A Landman Farms, 319A Douglas, 319A Douglas, ISCO Idaho Springs, ISCO Idaho Springs, ISCO Idaho Springs, S22A 4UR Ranch, Cre, S22A 4UR Ranch, Cre, ULM Lac du Bonnet, M3VC Mesa Verde, M3VC Mesa Verde, W18A Triflited Fore, TUC Tucson, TUC Tucson, TUC Tucson, PV01 Paradox Valley, PV05 Paradox Valley, K22A Gasper, PV09 Paradox Valley, WUAZ Wupatki, P18A Preston Truck, SRU San Rafael Swe, SRU San Rafael Swe, SRU San Rafael Swe, H10N3 ASCENSION HYDR1, H10N2 ASCENSION HYDR1, H10N1 ASCENSION HYDR1, P17A Buter Ranch, LAO LASA Array, LAO LASA Array, H10S3 ASCENSION HYDR1, H10S1 ASCENSION HYDR1, H10S2 ASCENSION HYDR1, U15A North Rim, TMUT Trail Mountain, PLCA Paso Flores, PLCA Paso Flores, BW06 Boulder Array, BW06 Boulder Array, BW06 Boulder Array, BW06 Boulder Array, PDAR Pinedale Array, PDAR Pinedale Array

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like PDAR comp=Z,5.1nm,0.5s, PDAR comp=Z,3.8nm,0.7s, PDAR comp=Z,0.9nm,0.5s, PDAR comp=Z,5.9nm,21.9s, PDAR Pinedale Array, PDAR Pinedale Array, KNB Kanab, KNB Kanab, JLU Jordanelle, LCMT Little Creek M, NLU North Lily Min, CTU Camp Tracy, CTU Camp Tracy, RLMT Red Lodge, RLMT Red Lodge, HWUT Hardware Ranch, SNOW Snow King Mount, REDW Red Top Meadow, REDW Teton Pass, FWXV Fox Creek, H17A Grant Village, DUG Dugway, Tooele, DUG Dugway, Tooele, DUG Dugway, Tooele, DUG Dugway, Tooele, PSUT Pine Spring, BC3 Big Chuckywall, BGU Big Grass Mound, BVU Hansel Valley, BVU Hansel Valley, HVU Horse Butte, HVU Horse Butte, GMRC Granite MOUNTA, MONP2 Monument Peak, EGMT Eagleton, EGMT Eagleton, BOZ Bozeman, R11A Troy Canyon, C, R11A Troy Canyon, C, DLMT Dillon, HLID Hailey, HLID Hailey, HLID Hailey, MPMC Manual Prospec, DAC Darwin, DAC Darwin, MFID Camas Ranch, DBIC Dimbokro, YERR Yerington, YERR Yerington, BMO Blue Mountains, BMO Blue Mountains, WVOR Wild Horse Val, WVOR Wild Horse Val, J08A Circle Bar Ran, NEW Newport, NEW Newport, NEW Newport, I07A Izeze, ESOC Sonseca Array, ES19 Sonseca Array, ES19 Sonseca Array, J05D Fort Rock, OR, M04C Macdoel, GCRM Castle Rock Sp, TOAO Torodi Ar. Sit, TORO Torodi Ar. Sit, TORO Torodi Ar. Sit, SUMG Summit, SUMG Summit, SUMG Summit, YKA Yellowknife Ar, YKA Yellowknife Ar, KEST Kesra, DAVA Danuels, DAVA Danuels, FETA Feichten, FETA Feichten, MOTA Moosalm, MOTA Moosalm, NAO01 NORSAR Array S, NBO02 NORSAR Array S, NBO02 NORSAR Array S









Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like KLIMOVSKOE, VASULA, BOROVYOE, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like KOPF, KOKU, ATKA, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like H1133 WAKE ISLAND, PDAR, TXAR, ASAR.

CSEM 12 14:58:46.9.0.2, 38:89N-43:54E, h2km, MD2.7, Error ellipse: s-maj=6.4km s-min=3.9km az=96.0

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like ERVC, ERV, VANB, etc.

ISK 12 15:13:38.8, 38:92N-43:58E, h5km, ML3.5 CSEM 12 15:13:39.9.0.2, 38:94N-43:58E, h2km, ML3.5, Error ellipse: s-maj=5.2km s-min=4.0km az=94.0

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like ERVC, ERV, VANB, etc.

ellipse: s-maj=3.9km s-min=3.1km az=83.0 BEO 12 15:57.0.0.3, 43:86N-18:14E, h3km, g9km, M2.1/1, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like DOB, BBL, LAZI, etc.

TRN 12 15:16:08.9, 10:78N-62:35W, h47km, MD4.2, Near coast of Venezuela

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

CSEM 12 15:16:52.3.0.3, 50:31N-18:86E, h1km, Error ellipse: s-maj=7.1km s-min=2.7km az=6.0

PRU 12 15:16:53.8, 50:25N-18:85E, h0km, Poland

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

ISK 12 15:17:27.6, 38:46N-43:26E, h3km, ML2.6 CSEM 12 15:17:28.6.0.1, 38:49N-43:37E, h10km, ML2.8, Error ellipse: s-maj=5.4km s-min=2.8km az=106.0

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

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

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

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

KRSC 12 15:45:01.6:10.0,55:30N:160:87E, h140km, ML4.1

MOS 12 15:45:02.4:0.9,55:39N:160:74E, h141km, mb4.0/5, Error ellipse: s-maj=1.5, km s-min=4.6km az=76.9

IDC 12 15:45:03.9:1.9,55:44N:160:50E, h142km, mb3.4/8, m-b1 3.5/12, mb1mx3.2/46, mbmp3.8/12, Error ellipse: s-maj=23.8km s-min=14.8km az=116.0

ISC 12 15:45:03.0:7.5,55:30N:0:03:160:83E, h138km, 5km, n104, s191/143, mb3.6/8, Kamchatka Peninsula

H112 WAKE ISLAND Hy 35.80 170 T T 16 29 34.5

H113 WAKE ISLAND Hy 35.82 170 T T 16 29 29.7

H111 WAKE ISLAND Hy 35.82 170 T T 16 29 37.7

YKA Yellowknife Ar 41.26 44 P P 15 52 35.0 +0.7

ULM Lac du Bonnet 57.01 48 P P 15 54 34.5 +0.4

FINES FINESS Array B 58.27 336 P P 15 54 40.4 -2.3

TXAR Lajitas Array 69.39 68 P P 15 55 57.6 +1.4

TXAR Lajitas Array 69.39 68 P P 15 55 56.3 +0.1

WRM Warramunga Arr 78.26 205 P P 15 56 47.7 +0.2

ASAR Alice Springs 81.95 205 P P 15 57 08.0 +0.8

ASAR Alice Springs 81.95 205 P P 15 57 09.9 +2.6

ISC/B 12 15:45:25.7:0.3,51:54N:0:02:16:15E, h0km, Error ellipse: s-maj=2.3km s-min=1.9km az=21.2

CSEM 12 15:45:27.8:0.1,51:53N:16:13E, h2km, ML3.5/14, Ms3.6, Error ellipse: s-maj=2.5km s-min=2.1km az=24.0

BGR 12 15:45:29.4:0.4,51:49N:16:15E, h1km, ML3.1/15, Error ellipse: s-maj=4.4km s-min=2km az=17.0

PRU 12 15:45:29.2:5.1,49N:16:09E, h0km, IDC 12 15:45:29.9:0.7,51:52N:16:00E, h0km, mb1 3.4/8, mb1mx3.2/38, mbmp3.3/8, ML3.0/8, Error ellipse: s-maj=11.7km s-min=6.6km az=114.0

WAR 12 15:45:29.0:5.1,51N:16:12E, h1km, Mw2.8, VIE 12 15:45:32.1:0.6,51:23N:15:93E, h0km, mb2.6/8, ML2.6/9, Ms3.6/1, Error ellipse: s-maj=5.3km s-min=4.2km az=159.0, Suspected Mining induced.

UPP 12 15:45:32.4:5.1,82N:15:62E, h0km, ML2.0, Suspected Mining explosion.

ISC 12 15:45:26.7:0.6,51:57N:0:02:16:16E, h0km, n125, s1933/219, 4C-SD, Poland

KSP Ksiaz 0.73 173 i P P 15 45 41.7 +1.0

KSP Ksiaz 0.73 173 i P P 15 45 41.1 +0.9

KSP Ksiaz 0.73 173 i P P 15 45 51.1 +0.9

KSP Ksiaz 0.73 173 i P P 15 45 41.7 +1.0

KSP Ksiaz 0.73 173 i P P 15 45 41.7 +1.0

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comp=Z,5.1nm,0.3s,baz=338,slow=13,SNR=6.4

comp=Z,7.0nm,0.3s,baz=57,slow=18,SNR=8.7

comp=Z,0.4nm,0.3s,baz=25,slow=12,SNR=3.6

comp=Z,1.0nm,0.3s,baz=332,slow=6,SNR=3.9

comp=Z,1.3nm,0.4s,baz=25,slow=10,SNR=3.8

comp=Z,0.2nm,0.4s,baz=32,slow=4,SNR=5.1

comp=Z,0.6nm,0.9s,baz=12,slow=6,SNR=2.6

comp=Z,0.5s,baz=32,slow=3,SNR=4.6

comp=Z,1.0nm,0.5s,baz=259,slow=7.4,SNR=32

comp=Z,1.0nm,0.5s

comp=Z,1.5nm,0.3s,baz=28,slow=16,SNR=32

comp=Z,2.5nm,0.3s,baz=27,slow=27,SNR=5.1

comp=Z,6.5nm,0.3s,baz=36,slow=27,SNR=9.5

comp=Z,2.4nm,0.3s

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comp=Z,2.4nm,0.3s





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

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

IDC 12 17:33:37.6:11.0,28.765:176.05W,h38km,65km,mb3.4/3,mb1 3.6/3,mb1mx3.4/18,mbtmp3.6/3,Error ellipse: s-maj=195.6km s-min=86.1km az=158.0,

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

CSEM 12 17:44:15.9:0.2,38.76N:43.21E,h10km,MD2.5,Error ellipse: s-maj=5.7km s-min=4.1km az=89.0,

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

ISCJB 12 17:09:24.6:0.6,4.08N:0.03x126.30E:0.06,h100km, Error ellipse: s-maj=9.0km s-min=4.4km az=170.5,

MAN 12 17:09:24.4:0.1N:126.12E,h99km,mb4.4,ML2.5, Error ellipse: s-maj=5.7km s-min=4.1km az=89.0,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SANGIHE, GENERAL SANTOS, COTABATO-PC H, etc.

ISCJB 12 17:18:27.8:0.5,38.74N:0.02x43.09E:0.04,h1km,7km, Error ellipse: s-maj=5.9km s-min=3.4km az=155.2,

CSEM 12 17:16:27.3:0.2,38.73N:43.11E,h2km,MD2.8, Error ellipse: s-maj=5.3km s-min=3.8km az=79.0,

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

ISCJB 12 17:46:39.4:1.2,25.7S:0.1x175.3W:0.2,h10km,mb4.1/9, MS3.5/3, Error ellipse: s-maj=29.1km s-min=15.0km,

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

ISC 12 17:25:02.9,38.81N:43.51E,h24km,MD2.6 CSEM 12 17:25:04.6:0.3,38.86N:43.46E,h2km,ML2.5, Error ellipse: s-maj=9.6km s-min=5.8km az=97.0,

DDA 12 17:25:04.8,38.86N:43.12E,h7km,MD2.8 ISC 12 17:25:04.1,38.86N:0.03x43.55E:0.04,h13km,11km, n17,1f3227,Turkey

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

IDC 12 17:33:37.6:11.0,28.765:176.05W,h38km,65km,mb3.4/3,mb1 3.6/3,mb1mx3.4/18,mbtmp3.6/3,Error ellipse: s-maj=195.6km s-min=86.1km az=158.0,

Kermadec Islands region Code Station Name Az Az' Phase ID Time Res ISC

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

CSEM 12 17:44:15.9:0.2,38.76N:43.21E,h10km,MD2.5, Error ellipse: s-maj=5.7km s-min=4.1km az=89.0,

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

ISCJB 12 17:09:25.0:1.3,4.11N:0.05x126.37E:0.09,h100km,n14, f1879/21,2C,LaLaud Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SANGIHE, GENERAL SANTOS, COTABATO-PC H, etc.

ISCJB 12 17:18:27.8:0.5,38.74N:0.02x43.09E:0.04,h1km,7km, Error ellipse: s-maj=5.9km s-min=3.4km az=155.2,

CSEM 12 17:16:27.3:0.2,38.73N:43.11E,h2km,MD2.8, Error ellipse: s-maj=5.3km s-min=3.8km az=79.0,

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

ISCJB 12 17:46:39.4:1.2,25.7S:0.1x175.3W:0.2,h10km,mb4.1/9, MS3.5/3, Error ellipse: s-maj=29.1km s-min=15.0km,

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

ISC 12 17:25:02.9,38.81N:43.51E,h24km,MD2.6 CSEM 12 17:25:04.6:0.3,38.86N:43.46E,h2km,ML2.5, Error ellipse: s-maj=9.6km s-min=5.8km az=97.0,

DDA 12 17:25:04.8,38.86N:43.12E,h7km,MD2.8 ISC 12 17:25:04.1,38.86N:0.03x43.55E:0.04,h13km,11km, n17,1f3227,Turkey

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM, CTA, STKA, WRA, ASAR, ILAR, TXAR, PDAR, etc.

IDC 12 18:10:19.5:1.3,37.86N:144.05E,h0km,mb3.7/9, mb1 3.8/3,mb1mx3.6/53,mbtmp3.7/13,ML2.6/4, Error ellipse: s-maj=32.5km s-min=18.6km az=82.0,

ISCJB 12 18:10:22.5:0.8,37.79N:0.08x143.94E:0.10,h33km, mb3.6/9, Error ellipse: s-maj=14.4km s-min=9.0km az=147.8,

ISC 12 18:10:23.9:1.1,37.85N:0.08x144.1E:0.11,h35km,n17, az=226/18,mb3.6/9,Off east coast of Honshu

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

CSEM 12 18:13:43.3,41.73N:32.41E,h7km,ML2.4 DDA 12 18:13:43.3,41.73N:32.41E,h7km,ML2.4,Turkey

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

ISC 12 18:19:54.0:1.8,38.92N:43.22E,h0km,82km,ML4.7 AZEN 12 18:20:00.2:0.7,37.85N:43.57E,h3km,9km, Error ellipse: s-maj=10.1km s-min=2.1km az=55.0,

IDC 12 18:20:00.7:0.8,38.55N:48.0E,h0km,mb4.0/19, mb1 4.1/27,mb1mx4.0/45,mbtmp4.0/27,ML3.5/7,MS3.7/25, MS1 3.7/25,ms1mx3.5/49,Error ellipse: s-maj=13.8km s-min=8.8km az=172.0,

NEIC 12 18:20:01.6:0.0,38.63N:43.22E,h5km,mb4.6/36, DDA 12 18:20:01.9,38.63N:43.17E,h19km,ML4.6

ISC 12 18:20:01.6,38.63N:43.19E,h2km,ML4.3 MOS 12 18:20:01.2:1.7,38.41N:43.25E,h10km,mb4.5/34, Error ellipse: s-maj=5.6km s-min=4.4km az=102.2,

NSSC 12 18:20:01.1:1.2,38.92N:43.05E,h0km,93km,ML3.5 BUI 12 18:20:01.0,38.40N:43.30E,h17km,mb4.6/37,mb4.9/24, Ms4.3/15,Ms7.4/0/13

CSEM 12 18:20:02.3:0.1,38.55N:43.19E,h5km,mb4.6/40 ISCJB 12 18:20:02.6:0.4,38.57N:0.02x43.25E:0.02,h12km,2km, mb4.4/71,MS3.6/25, Error ellipse: s-maj=2.7km

DSN 12 18:20:05.2:1.0,38.41N:43.37E,h15km,mb4.6/2, Error ellipse: s-maj=22.0km s-min=8.7km az=68.0,

ISC 12 18:03:10.7:0.3,38.57N:0.01x43.21E:0.01,h12km,4km, n492,e2914/546,mb4.5/71,MS3.6/25,27C,48D,Turkey

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



12d 18h

Table with columns for station name, frequency, power, and other technical details. Includes stations like TUTA, AGRB, DYDN, HAKT, EKAR, etc.

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

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



12d 18h

h172, s1889/195, mb3.7/16, 20C-30D, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like VMUR Van-Muradiye, ERVOC ERVICIS-VAN, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like LKRK Oni, LKRB Cillabab, GLBA Cillabab, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like H11N2 WAKE ISLAND Hy 27.46 122, H11N1 WAKE ISLAND Hy 27.47 123, etc.

IDD 12 18:28:07.0-0.6, 37.27N-22.05E, h0km, mb4.0/24, mb1 4.1/31, mb1mx4.1/51, mbtmp4.0/31, MS3.4/11, Ms1 3.4/11, ms1mx3.1/50, Error ellipse: s-maj=15.1km, s-min=12.2km az=176.0, NEIC 12 18:28:08.9-0.0, 37.23N-22.00E, h12km, mb4.3/13, ML4.1(THE), After ATH, NEIC Felt at Kalamata, ATH 12 18:28:09.0, 37.23N-22.00E, h12km, 1km, ML3.8/62, Error ellipse: s-maj=1.2km s-min=0.8km az=286.0, CSEM 12 18:28:08.7-0.1, 37.19N-21.99E, h10km, mb4.3/33, Error ellipse: s-maj=4.0km s-min=3.0km az=33.0, THE 12 18:28:09.1, 37.25N-22.01E, h0km, 1km, ML4.0/25, Error ellipse: s-maj=1.4km s-min=0.6km az=216.0, BJL 12 18:28:11.0, 37.38N-21.91E, h47km, mb4.6/18, mb5.0/13, Ms4.6/6, Ms7 4.4/3, MOS 12 18:28:13.1-1.2, 37.32N-22.03E, h53km, mb4.3/22, Error ellipse: s-maj=7.2km s-min=3.4km az=79.3, ISC 12 18:28:08.6-0.6, 37.23N-0.01-21.99E-0.01, h11km, 3km, n597, s174/700, mb4.3/49, MS3.5/6, 8C-26D, Southern Greece

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



TIR	Tirane	4.43 339	eP	Pn	18 29 19.8 +4.1
TIR	Tirane	4.43 339	ePn	Pn	18 29 19.8 +4.1
KARP	Karpathos	4.50 110	ePn	Pn	18 29 21.0 +4.3
KARP	Karpathos	4.50 110	ePn	Pn	18 29 20.9 +4.3
KARP	Karpathos	4.50 110	ePn	Pn	18 29 20.9 +4.3
GELI	Tayfur-Gelibol	4.72 47	ePn	Pn	18 29 20.1 +0.5
GELI	Tayfur-Gelibol	4.72 47	ePn	Pn	18 29 20.1 +0.5
SKO	Skojpe	4.76 355	i Pn	Pn	18 29 24.8 +4.7
SKO	Skojpe	4.76 355	i Pn	Pn	18 29 24.8 +4.7
RDO	Rodhopi	4.78 34	P	Pn	18 29 22.5 +2.0
RDO	Rodhopi	4.78 34	P	Pn	18 29 22.5 +2.0
RDO	comp=E,109µm,1.1s		AML	AML	18 30 16.4
RDO	comp=N,215µm,2.3s		AML	AML	18 30 33.4
RDO	Rodhopi	4.78 34	P	Pn	18 29 22.5 +2.0
LPK	Lapseki	4.87 48	ePn	Pn	18 29 23.0 +0.6
LPK	Lapseki	4.87 48	ePn	Pn	18 29 23.0 +0.6
ERIK	Erikli-Kesani	4.92 44	ePn	Pn	18 29 23.2 +0.8
ERIK	Erikli-Kesani	4.92 44	ePn	Pn	18 29 23.2 +0.8
DRME	Dracevica, Mon	5.40 337	ePn	Pn	18 29 30.5 +1.5
KULA	Kula-Manisa	5.43 74	ePn	Pn	18 29 30.4 +1.0
CUC	Castrocuoco	5.57 302	ePn	Pn	18 29 34.0 +2.6
CUC	Castrocuoco	5.57 302	ePn	Pn	18 29 34.0 +2.6
PDG	Podgorica	5.61 339	iP	Pn	18 29 33.3 +1.5
PDG	Podgorica	5.61 339	ePn	Pn	18 29 34.3 +2.5
FETY	Fethiye	5.71 34	ePn	Pn	18 29 36.0 +2.7
HCV	Herceq Novi	5.82 36.5	ePn	Pn	18 29 37.1 +1.9
EDRB	Edirne	5.89 37	ePn	Pn	18 29 37.7 +1.9
VAE	Valguarnera	6.04 275	Pn	Pn	18 29 40.3 +2.4
VAE	comp=N,2.1nm,0.3s,baz=135,slow=18,SNR=4.0		Sn	Sn	18 30 53.9 +6.8
VAE	comp=N,4.8nm,0.3s,baz=223,slow=22,SNR=5.1		LR	LR	18 32 00.5
TREB	Trebjine	6.15 334	ePn	Pn	18 29 40.4 +1.1
WED	Wied Dalam	6.17 259	ePn	Pn	18 29 39.9 +0.3
WED	Wied Dalam	6.17 259	ePn	Pn	18 29 40.3 +0.3
AKAS	Kas	6.19 97	ePn	Pn	18 29 43.5 +3.4
AKAS	Kas	6.19 97	ePn	Pn	18 29 42.1 +2.0
AKAS	Kas	6.19 97	ePn	Pn	18 29 42.1 +2.0
BRVY	Bratogost	6.25 336	ePn	Pn	18 29 41.1 +0.3
TVSB	Tavrisni	6.28 67	ePn	Pn	18 29 42.1 +1.2
ELB	Elmal	6.36 92	ePn	Pn	18 29 45.0 +2.8
CTKS	Kestaneilik-?za	6.45 50	ePn	Pn	18 29 45.0 +1.6
KORT	Korkueli	6.68 89	ePn	Pn	18 29 49.4 +2.7
BBLs	Lazi&#263;i	6.92 344	ePn	Pn	18 29 50.3 +0.4
CLTB	Caltabellotta	7.00 276	ePn	Pn	18 29 52.0 +1.0
CLTB	Caltabellotta	7.00 276	ePn	Pn	18 29 52.0 +1.0
DIVS	Divulje	7.03 348	iPn	Pn	18 29 52.4 +1.0
BOLV	Bolavadin	7.23 75	ePn	Pn	18 30 01.1 +6.8
TEKS	Tekeris	7.55 346	ePn	Pn	18 29 59.1 +0.6
MDVR	Moldovita	7.55 358	iP	Pn	18 29 56.5 -2.0
HUMR	Humele	7.63 16	ePn	Pn	18 30 03.8 +4.2
ICOR	Ion Corvin	8.07 31	iP	Pn	18 30 03.8 -3.2
LOT	Lotru	8.32 9	iP	Pn	18 30 11.0 +1.8
BLY	Banja Luka	8.34 336	ePn	Pn	18 30 10.8 +1.4
BLY	Banja Luka	8.34 336	ePn	Pn	18 30 10.8 +1.4
AGU	L'Aquila	8.36 310	ePn	Pn	18 30 15.0 +5.3
AGU	L'Aquila	8.36 310	ePn	Pn	18 30 15.0 +5.3
BZS	Buzias	8.38 358	iP	Pn	18 30 07.4 -2.5
BZS	Buzias	8.38 358	iP	Pn	18 30 07.5 -2.5
VOIR	Voiron	8.52 15	iP	Pn	18 30 15.2 +3.4
VOIR	Voiron	8.52 15	iP	Pn	18 30 15.2 +3.4
VOIR	Voiron	8.52 15	iP	Pn	18 30 15.2 +3.4
UDBI	Udbina	8.68 329	ePn	Sn	18 31 49.4 -2.5
UDBI	Udbina	8.68 329	ePn	Sn	18 31 49.4 -2.5
HARR	Harsova	8.70 29	iP	Pn	18 30 15.9 +1.9
HARR	Harsova	8.70 29	iP	Pn	18 30 15.9 +1.9
HARR	Harsova	8.70 29	iP	Pn	18 30 15.9 +1.9
TIRG	Tirgusor	8.70 32	ePn	Pn	18 30 18.5 +4.3
TIRG	Tirgusor	8.70 32	ePn	Pn	18 30 18.5 +4.3
TIRG	Tirgusor	8.70 32	ePn	Pn	18 30 18.5 +4.3
TIRG	Tirgusor	8.70 32	ePn	Pn	18 30 16.3 +2.0
TIRG	Tirgusor	8.70 32	ePn	Pn	18 30 16.3 +2.0
MLR	Muntele Rosu	8.77 19	Pn	Pn	18 30 18.9 +3.6
MLR	Muntele Rosu	8.77 19	Pn	Pn	18 30 19.4 +4.0
MLR	Muntele Rosu	8.77 19	Pn	Pn	18 30 19.4 +4.0
MLR	Muntele Rosu	8.77 19	Pn	Pn	18 30 17.8 +2.4
MLR	Muntele Rosu	8.77 19	Pn	Pn	18 30 17.8 +2.4
BR231	Keskin MP Arra	8.84 70	ePn	Pn	18 30 22.1 +5.8
ANTO	Ankara	8.86 69	ePn	Pn	18 30 20.0 +3.4
ANTO	Ankara	8.86 69	ePn	Pn	18 30 20.0 +3.4
NVLJ	Novajia	9.09 326	ePn	Sn	18 30 20.2 +0.6
NVLJ	Novajia	9.09 326	ePn	Sn	18 32 00.4 -1.5
NVLJ	Novajia	9.09 326	ePn	Sn	18 30 20.2 +0.6
CFR	Carcalui	9.19 28	iP	Pn	18 30 22.2 +1.3
CFR	Carcalui	9.19 28	iP	Pn	18 30 22.2 +1.3
CFR	Carcalui	9.19 28	iP	Pn	18 30 22.2 +1.3
FLOR	Plostinia	9.29 21	iP	Pn	18 30 28.6 +6.2
FLOR	Plostinia	9.29 21	iP	Pn	18 30 28.6 +6.2
VRI	Vrincioaia	9.33 21	iP	Pn	18 30 28.3 +5.4
VRI	Vrincioaia	9.33 21	iP	Pn	18 30 28.3 +5.4
CS	Mathias	9.45 100	ePn	Pn	18 30 26.8 +2.2
CS	Mathias	9.45 100	ePn	Pn	18 30 26.8 +2.2
BR101	Keskin Array S	9.47 71	ePn	Pn	18 30 28.9 +4.0
BR131	Keskin Array S	9.47 71	ePn	Pn	18 30 29.0 +4.0
BRTR	Keskin Array B	9.47 71	Pn	Pn	18 30 28.9 +4.0
BRTR	Keskin Array B	9.47 71	Pn	Pn	18 30 29.0 +4.0
BRTR	Keskin Array B	9.47 71	Pn	Pn	18 30 29.0 +4.0
DRGR	Drage	9.57 3	iP	Pn	18 30 25.4 -0.9
DRGR	Drage	9.57 3	iP	Pn	18 30 25.4 -0.9
DRGR	Drage	9.57 3	iP	Pn	18 30 25.4 -0.9
BOJS	Bojanci	9.69 331	iPn	Pn	18 30 29.2 +1.4
CRES	Cresnjevi	9.79 32	ePn	Pn	18 30 32.9 +0.3
TESR	Tescani	9.90 19	iP	Pn	18 30 36.4 +5.7
CEY	Cernicna	10.22 32	ePn	Pn	18 30 36.2 +1.1
KEST	Kesra	10.29 265	Pn	Pn	18 30 36.2 -0.0
KEST	comp=N,0.3nm,0.3s,baz=22,slow=6.2,SNR=8.4		Sn	Sn	18 32 29.1 -2.5
KEST	comp=N,0.1nm,0.3s,baz=6.6,slow=17,SNR=2.2		LR	LR	18 34 53.6
KEST	comp=N,192nm,21.1s,baz=20,slow=39		Pn	Pn	18 30 40.3 +4.1
KEST	Kesra	10.29 265	Sn	Sn	18 32 29.1 -2.5
BUR04	Bucovina Ar. S	10.65 12	ePn	Pn	18 30 42.0 +0.9
BUR04	Bucovina Ar. S	10.65 12	ePn	Pn	18 30 42.0 +0.9
PERS	Pernice	10.70 334	iPn	Pn	18 30 43.2 +1.5
PSZ	Piszkesteto	10.79 352	ePn	Pn	18 30 45.3 +2.2
PSZ	Piszkesteto	10.79 352	ePn	Pn	18 30 45.2 +2.2
PSZ	Piszkesteto	10.79 352	ePn	Pn	18 30 45.2 +2.2
KECS	Kecovo	11.30 355	ePn	Pn	18 30 53.4 +3.5
KECS	Kecovo	11.30 355	ePn	Pn	18 30 53.4 +3.5
VYHS	Vyhne	11.49 349	ePn	Pn	18 30 54.5 +2.0
VYHS	Vyhne	11.49 349	ePn	Pn	18 30 54.5 +2.0
VYHS	Vyhne	11.49 349	ePn	Pn	18 30 54.5 +2.0
VYHS	Vyhne	11.49 349	ePn	Pn	18 30 54.5 +2.0
VYHS	Vyhne	11.49 349	ePn	Pn	18 30 54.5 +2.0
CRVS	Cervenica-Dubn	11.67 358	ePn	Pn	18 30 59.3 +4.3
CRVS	Cervenica-Dubn	11.67 358	ePn	Pn	18 30 59.3 +4.3
MMAI	Mount Meron Ar	11.73 107	Pn	Pn	18 30 54.7 -1.5
MMAI	Mount Meron Ar	11.73 107	Pn	Pn	18 30 54.7 -1.5
VRAC	Vranov	12.69 344	LR	LR	18 36 22.8
VRAC	comp=N,172nm,21.6s,baz=168,slow=39		Pn	Pn	18 31 15.4 +1.1
GERE0	GERESS Array S	13.08 335	ePn	Pn	18 31 15.1 +1.1
GERE0	GERESS Array S	13.08 335	ePn	Pn	18 31 15.1 +1.1
GERES	GERESS Array B	13.09 335	Pn	Pn	18 31 15.1 +0.8
DAVOX	Davos/Dischmat	13.11 321	Pn	Pn	18 31 11.9 -2.9
DAVOX	comp=N,0.1nm,0.3s,baz=31.5,slow=14,SNR=2.2		Sn	Sn	18 33 31.1 -9.4
DAVOX	comp=N,0.1nm,0.3s,baz=330,slow=20,SNR=1.7		Sn	Sn	18 33 31.1 -9.4
EIL	Elat	13.18 121	Pn	Pn	18 31 15.2 -0.5
EIL	comp=N,0.3nm,0.3s,baz=300,slow=20,SNR=3.7		Pn	Pn	18 33 34.8 -7.4
EIL	comp=N,0.2nm,0.3s,baz=76,slow=19,SNR=3.0		Pn	Pn	18 31 16.7 +0.9
TUE	Stuetta	13.18 318	ePn	Pn	18 31 16.7 +0.9
TUE	Stuetta	13.18 318	ePn	Pn	18 31 16.7 +0.9
KHC	Kasperske Hory	13.37 335	eS	Sn	18 31 37.6 -4.8
KHC	Kasperske Hory	13.37 335	eS	Sn	18 31 22.5 +4.3
KHC	Kasperske Hory	13.37 335	eS	Sn	18 31 28.9
KHC	Kasperske Hory	13.37 335	ePn	Pn	18 31 18.8 +0.6
KHC	Kasperske Hory	13.37 335	ePn	Pn	18 31 18.8 +0.6
KHC	Kasperske Hory	13.37 335	ePn	Pn	18 31 18.8 +0.6
DPK	Dobruska-Onom	13.73 345	ePn	Pn	18 31 37.7 +1.9
DPK	Dobruska-Polom	13.73 345	ePn	Pn	18 31 37.7 +1.9
PRU	Pruhonicne	13.84 340	ePn	Pn	18 31 34.5 +1.6
PRU	Pruhonicne	13.84 340	ePn	Pn	18 31 34.5 +1.6
ANN	Anapa	13.88 52	eS	Sn	18 31 17.9 -7.2
ANN	Anapa	13.88 52	eS	Sn	18 33 49.6 -1.0

PRA	Prague	13.94 339	eP	P	18 31 37.8 +3.7
PRA	Prague	13.94 339	eP	P	18 31 37.8 +3.7
UPJC	Ujice	13.95 344	eP	P	18 31 36.0 +1.8
UPJC	Ujice	13.95 344	eP	P	18 31 36.0 +1.8
SEIN	Senin/Sane	14.02 34	ePn	Pn	18 31 34.6 -3.1
PVCC	Panska Ves	14.32 341	eP	P	18 31 40.4 +2.1
PVCC	Panska Ves	14.32 341	eP	P	18 31 40.4 +2.1
PVCC	Panska Ves	14.32 341	eP	P	18 31 40.4 +2.1
PKV1	Malin Array Si	14.39 19	ePn	Pn	18 31 30.0 -2.1
PKV1	Malin Array Si	14.39 19	ePn	Pn	18 31 30.0 -2.1
KIEV	Kiev	14.42 19	iP	Pn	18 31 33.5 +1.1
KIEV	Kiev	14.42 19	iP	Pn	18 31 33.5 +1.1
KIEV	Kiev	14.42 19	iP	Pn	18 31 33.5 +1.1
KIEV	Kiev	14.42 19	iP	Pn	18 31 31.9 -0.5
KIEV	Kiev	14.42 19	iP	Pn	18 31 31.9 -0.5
AKASG	comp=Z,0.8nm,0.3s,baz=203,slow=1.2,SNR=4.7		Pn	Pn	18 31 32.0 -0.6
AKASG	Malin Array Si	14.43 19	iP	Pn	18 31 33.0 +0.4
AKASG	Malin Array Si	14.43 19	iP	Pn	18 31 33.0 +0.4
AKAB	Malin Array Si	14.43 19	ePn	Pn	18 31 32.2 -0.4
AKAB	Malin Array Si	14.43 19	ePn	Pn	18 31 32.2 -0.4
AKAB	Malin Array Si	14.43 19	ePn	Pn	18 31 32.2 -0.4
GRFO	Grafenberg	14.69 331	ePn	Pn	18 31 36.8 +0.6
GRFO	Grafenberg	14.69 331	ePn	Pn	18 31 36.8 +0.6
GRFO	Grafenberg	14.69 331	ePn	Pn	18 31 36.8 +0.6
BRG	Berggiesshobel	14.80 340	eP	Pn	18 31 46.8 +3.2
BRG	Berggiesshobel	14.80 340	eP	Pn	18 31 46.8 +3.2
BRG	Berggiesshobel	14.80 340	eP	Pn	18 31 46.8 +3.2
BRG	Berggiesshobel	14.80 340	eP	Pn	18 31 46.8 +3.2
BRG	Berggiesshobel	14.80 340	eP	Pn	18 31 46.8 +3.2
BFO	Black Forest	14.93 322	ePn	Pn	18 31 41.4 +1.9
BFO	Black Forest	14.93 322	ePn	Pn	18 31 41.4 +1.9
BFO	Black Forest	14.93 322	ePn	Pn	18 31 41.4 +1.9
COLM	Colim	15.46 338	ePn	Pn	18 31 47.8 +1.4
COLM	Colim	15.46 338	ePn	Pn	18 31 47.8 +1.4
COLM	Colim	15.46 338	ePn	Pn	18 31 47.8 +1.4
COLM	Colim	15.46 338	ePn	Pn	18 31 47.8 +1.4
SUW	Suwalki	16.80 2	P	P	18 32 05.4 -0.4
SUW	Suwalki	16.80 2	P	P	18 32



12d 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details like frequency and power.

12D 18:54:33.1±0.8, 26.92S±177.23W, h0km, mb3.8/6, mb1.4/1.6, mb1mx4.0/2.0, mbtmp3.9/8, ML3.3/2, MS3.8/20, Ms1.3/2.0, ms1.8/3.0, Error ellipse: s-maj=28.3km, s-min=20.3km, az=133.0.

ISCJ 12 18:54:36.6±0.4, 27.11S±177.25W±0.07, h35km, mb4.4/2.0, MS3.8/16, Error ellipse: s-maj=9.7km, s-min=6.3km, az=21.9.

NEIC 12 18:54:37.8±2.5, 27.09S±177.24W, h31km±18km, mb4.7/19, Error ellipse: s-maj=12.4km, s-min=8.3km, az=116.0.

ISC 12 18:54:38.2±0.4, 27.13S±177.20W±0.08, h35km, n86, c2/20S, mb4.5/2.0, MS3.9/16, 1C, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details.

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Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details.

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IDC 12 19:03:54.6±2.2, 0.63N±126.28E, h0km, mb3.0/3, mb1.3/2.3, mb1mx3.1/3.8, mbtmp3.0/3, Error ellipse: s-maj=186.4km, s-min=29.8km, az=65.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details.

ISK 12 19:12:03.9, 38.44N±25.50E, h4km, ML3.6, CSEM 12 19:12:04.8±0.1, 38.45N±25.51E, h2km, ML3.5, Error ellipse: s-maj=2.3km, s-min=2.0km, az=147.0.

ISCJ 12 19:12:04.7±0.6, 38.47N±25.50E±0.02, h8km, 5km, mb3.6/2, MS3.3/2, Error ellipse: s-maj=2.9km, s-min=2.3km, az=35.0.

ATH 12 19:12:04.6, 38.49N±25.62E, h31km, 1km, ML3.5/12, Error ellipse: s-maj=1.6km, s-min=0.6km, az=66.0.

IDC 12 19:12:04.2±1.2, 38.41N±25.65E, h4km, mb3.7/2, mb1.3/5.6, mb1mx3.2/4.8, mbtmp3.4/6, ML2.9/4, MS3.1/3, Ms1.3/1.3, ms1mx2.4/4.7, Error ellipse: s-maj=27.0km, s-min=15.6km, az=102.0.

THE 12 19:12:06.0, 38.50N±25.60E, h18km±1km, ML3.6/9, Error ellipse: s-maj=1.6km, s-min=0.6km, az=101.0.

ISC 12 19:12:04.7±1.2, 38.46N±25.58E±0.02, h6km±9km, n233, 1921/264, 13C-7D, Aegean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details.

VLL	Villia	1.81 261	P	Pn	19 12 36.3 -0.1
VIL2	Plateas	1.83 263	P	Pn	19 12 36.3 -0.4
MHLA	Plaka, Milos I	1.94 209	P	Pn	19 12 37.5 -0.6
MHLA			S	Sb	19 13 04.2 -0.6
MHLA	comp=E,3048um,0.7s		AML	AML	19 13 09.9
MHLA	comp=N,4003um,1.0s		AML	AML	19 13 10.8
MHLA	Plaka, Milos I	1.94 209	P	Pn	19 12 37.5 -0.6
BODT	Bodrum	1.95 135	ePN	Pn	19 12 39.0 +0.8
BODT	Bodrum	1.95 135	ePN	Pn	19 12 39.0 +0.6
CMBO	Colombo, Santo	1.99 184	P	Pn	19 12 38.5 -0.2
CMBO	Colombo, Santo	1.99 184	P	Pn	19 12 38.5 -0.2
MHLO	Agia Marina, M	2.00 208	P	Pn	19 12 38.3 -0.6
MHLO	comp=E,7398um,0.9s		AML	AML	19 13 13.9
MHLO	comp=N,5803um,0.4s		AML	AML	19 13 15.7
MHLO	Agia Marina, M	2.00 208	P	Pn	19 12 38.3 -0.6
THR2	Thira Island,	2.01 183	P	Pn	19 12 38.5 -0.6
SMTH	Samothraki Isl	2.01 359	P	Pn	19 12 36.9 -2.3
TH2	Imerovigli	2.02 184	P	Pn	19 12 39.5 +0.2
TH2	Imerovigli	2.02 184	P	Pn	19 12 39.5 +0.2
LKR	Lokris	2.03 276	P	Pn	19 12 38.3 -1.1
LKR	Lokris	2.03 276	P	Pn	19 12 38.3 -1.1
THRT	Fira-Santorini	2.03 183	P	Pn	19 12 39.1 -0.3
THRT	Fira-Santorini	2.03 183	P	Pn	19 12 39.1 -0.3
THRS	Thira Island,	2.04 185	P	Pn	19 12 39.0 -0.6
THRS	Thira Island,	2.04 185	P	Pn	19 12 39.0 -0.6
THRS	Santorini-Mono	2.05 182	P	Pn	19 12 39.3 -0.3
THRS	Santorini-Mono	2.05 182	P	Pn	19 12 39.3 -0.3
THRS	Thira Island,	2.05 184	P	Pn	19 12 39.9 +0.3
THRS	Thira Island,	2.05 184	P	Pn	19 12 39.9 +0.3
DID	Didima	2.08 244	P	Pn	19 12 40.7 +0.6
DID	Didima	2.08 244	P	Pn	19 12 40.7 +0.6
PAIG	Palaiouri	2.08 315	P	Pn	19 12 39.8 -0.3
PAIG	Palaiouri	2.08 315	P	Pn	19 12 39.8 -0.3
LTK	Loutrak	2.10 259	P	Pn	19 12 39.9 -0.5
LTK	Loutrak	2.10 259	P	Pn	19 12 39.9 -0.5
THRE	Thira Island,	2.10 184	P	Pn	19 12 40.7 +0.3
THRE	Thira Island,	2.10 184	P	Pn	19 12 40.7 +0.3
LPK	Lapsoke	2.12 25	ePN	Pn	19 12 41.6 -1.0
BALB	Balikesir	2.15 56 ePN	Pb	Pn	19 12 42.6 -1.3
BALB	Balikesir	2.15 56 ePN	Pb	Pn	19 12 42.7 -1.3
NI51	Nisyros Isl.	2.25 145 ePN	Pn	Pn	19 12 43.4 +1.0
NI51	Nisyros Isl.	2.25 145 ePN	Pn	Pn	19 12 43.4 +1.0
CUR	Coronopolis	2.25 327 P	Pn	Pn	19 12 41.5 -0.8
CUR	Coronopolis	2.25 327 P	Pn	Pn	19 12 41.5 -0.8
OUR	Ouranopolis	2.25 327 P	Pn	Pn	19 12 41.5 -0.8
OUR	Ouranopolis	2.25 327 P	Pn	Pn	19 12 42.2 -0.2
GONE	Gonen-Balikesi	2.28 45 ePN	Pn	Pn	19 12 44.5 +1.7
GONE	Gonen-Balikesi	2.28 45 ePN	Pn	Pn	19 12 44.5 +1.7
ENEZ	Enez	2.32 11 ePN	Pn	Pn	19 12 44.0 +0.6
ENEZ	Enez	2.32 11 ePN	Pn	Pn	19 12 44.5 +1.0
ERIK	Erikli-Kesan	2.33 18 ePN	Pn	Pn	19 12 44.5 +1.0
ERIK	Erikli-Kesan	2.33 18 ePN	Pn	Pn	19 12 44.5 +1.0
KRBG	Karabiga-Canak	2.35 34 ePN	Pn	Pn	19 12 45.3 +1.5
KRBG	Karabiga-Canak	2.35 34 ePN	Pn	Pn	19 12 45.3 +1.5
DATC	Datca-Mugla	2.39 135 ePN	Pn	Pn	19 12 44.8 +0.8
DATC	Datca-Mugla	2.39 135 ePN	Pn	Pn	19 12 44.8 +0.8
DSF	Desfina	2.40 270 P	Pn	Pn	19 12 44.5 0.0
DSF	Desfina	2.40 270 P	Pn	Pn	19 12 44.5 0.0
KULA	Kula-Manisa	2.42 88 ePN	Pn	Pn	19 12 46.8 +1.8
KULA	Kula-Manisa	2.42 88 ePN	Pn	Pn	19 12 46.8 +1.8
PLG	Polygyros	2.53 320 P	Pn	Pn	19 12 45.8 -0.5
PLG	Polygyros	2.53 320 P	Pn	Pn	19 12 45.8 -0.5
RKY	Sarkoy-Tekirda	2.55 29 ePN	Pn	Pn	19 12 47.9 +1.3
RKY	Sarkoy-Tekirda	2.55 29 ePN	Pn	Pn	19 12 47.9 +1.3
EDC	Edincik	2.59 42 ePN	Pn	Pn	19 12 48.7 +1.6
EDC	Edincik	2.59 42 ePN	Pn	Pn	19 12 48.7 +1.6
AGG	Agios Georgios	2.60 284 ePN	Pn	Pn	19 12 47.2 -0.1
AGG	Agios Georgios	2.60 284 ePN	Pn	Pn	19 12 47.2 -0.1
AGG	Agios Georgios	2.60 284 ePN	Pn	Pn	19 12 47.2 -0.1
AGG	Agios Georgios	2.60 284 ePN	Pn	Pn	19 12 47.2 -0.1
GUR	Goura	2.62 340 P	Pn	Pn	19 12 46.8 -1.3
GUR	Goura	2.62 340 P	Pn	Pn	19 12 46.8 -1.3
KAVA	Kavala	2.67 342 P	Pn	Pn	19 12 46.8 -1.3
KAVA	Kavala	2.67 342 P	Pn	Pn	19 12 46.8 -1.3
RDO	Rodhovi	2.69 359 P	Pn	Pn	19 12 46.8 -1.6
KALE	Kalitheia	2.70 270 P	Pn	Pn	19 12 48.7 +1.0
KALE	Kalitheia	2.70 270 P	Pn	Pn	19 12 48.7 +1.0
VLI	Velai	2.72 231 P	Pn	Pn	19 12 48.5 -0.4
VLI	Velai	2.72 231 P	Pn	Pn	19 12 48.5 -0.4
KLV	Kalavryta, Ach	2.73 262 P	Pn	Pn	19 12 49.0 -0.1
KLV	Kalavryta, Ach	2.73 262 P	Pn	Pn	19 12 49.0 -0.1
SIMA	Simav-Kutahya	2.73 76 ePN	Pn	Pn	19 12 50.6 +1.4
SIMA	Simav-Kutahya	2.73 76 ePN	Pn	Pn	19 12 50.6 +1.4
TRIZ	Trizonia	2.75 269 P	Pn	Pn	19 12 50.6 +1.3
TRIZ	Trizonia	2.75 269 P	Pn	Pn	19 12 50.6 +1.3
AGR	Agri	2.75 269 P	Pn	Pn	19 12 50.6 +1.3
AGR	Agri	2.75 269 P	Pn	Pn	19 12 50.6 +1.3
TRIP	Tripoli	2.77 270 P	Pn	Pn	19 12 49.8 +0.3
TRIP	Tripoli	2.77 270 P	Pn	Pn	19 12 49.8 +0.3
TRIP	Tripoli	2.77 270 P	Pn	Pn	19 12 49.8 +0.3
TRIP	Tripoli	2.77 270 P	Pn	Pn	19 12 49.8 +0.3
KCTX	Karacabey (Bur	2.81 49 ePN	Pn	Pn	19 12 51.4 +1.2
KCTX	Karacabey (Bur	2.81 49 ePN	Pn	Pn	19 12 51.4 +1.2
ANX	Ano Chora	2.87 274 P	Pn	Pn	19 12 51.8 +0.8
ANX	Ano Chora	2.87 274 P	Pn	Pn	19 12 51.8 +0.8
HNT	Horiatia	2.87 319 P	Pn	Pn	19 12 51.7 +0.6
HNT	Horiatia	2.87 319 P	Pn	Pn	19 12 51.7 +0.6
HNT	Horiatia	2.87 319 P	Pn	Pn	19 12 51.7 +0.6
HNT	Horiatia	2.87 319 P	Pn	Pn	19 12 51.7 +0.6
EFF	Epifalio	2.88 271 P	Pn	Pn	19 12 51.6 +0.5
EFF	Epifalio	2.88 271 P	Pn	Pn	19 12 51.6 +0.5
LIT	Litokhoron	2.91 305 P	Pn	Pn	19 12 51.4 -0.1
LIT	Litokhoron	2.91 305 P	Pn	Pn	19 12 51.4 -0.1
SOH	Sokhos	2.92 325 P	Pn	Pn	19 12 51.7 0.0
SOH	Sokhos	2.92 325 P	Pn	Pn	19 12 51.7 0.0
DALY	Dalyan (Mu'la	2.94 123 ePN	Pn	Pn	19 12 53.7 +1.9
DALY	Dalyan (Mu'la	2.94 123 ePN	Pn	Pn	19 12 53.7 +1.9
THL	Klokotos Trika	2.99 293 P	Pn	Pn	19 12 52.9 +0.3
THL	Klokotos Trika	2.99 293 P	Pn	Pn	19 12 52.9 +0.3
SBT3	Marmara-Eregli	3.05 37 ePN	Pn	Pn	19 12 55.3 +2.1
SBT3	Marmara-Eregli	3.05 37 ePN	Pn	Pn	19 12 55.3 +2.1
SRS	Serrai	3.07 331 P	Pn	Pn	19 12 52.3 -1.4
SRS	Serrai	3.07 331 P	Pn	Pn	19 12 52.3 -1.4
DRO	Drossia	3.08 262 P	Pn	Pn	19 12 55.3 +1.4
DRO	Drossia	3.08 262 P	Pn	Pn	19 12 55.3 +1.4
CRLT	Corlu	3.15 31 ePN	Pn	Pn	19 12 56.4 +1.7
CRLT	Corlu	3.15 31 ePN	Pn	Pn	19 12 56.4 +1.7
NVR	Nevrokopi	3.18 336 P	Pn	Pn	19 12 56.4 +1.2
NVR	Nevrokopi	3.18 336 P	Pn	Pn	19 12 56.4 +1.2
TVSB	Tavsanli	3.19 71 ePN	Pn	Pn	19 12 57.7 +2.3
TVSB	Tavsanli	3.19 71 ePN	Pn	Pn	19 12 57.7 +2.3
IDI	Anoyia	3.21 190 Pn	Pn	Pn	19 12 55.8 -0.6
IDI	comp=N,1.7nm,0.3s,baz=4.5,slow=12,SNR=9.5		Sn	Sn	19 13 33.7 -0.6
IDI	comp=N,6.2nm,0.3s,baz=282,slow=9.2,SNR=12		LR	LR	19 14 19.1
IDI	comp=N,128nm,18.8s,baz=86,slow=42		LR	LR	19 14 19.1
IDI	Anoyia	3.21 190 P	Pn	Pn	19 12 55.3 -0.4
IDI	Anoyia	3.21 190 P	Pn	Pn	19 12 55.3 -0.4
IMMV	Iera Moni Meta	3.25 204 P	Pn	Pn	19 12 56.4 +0.1
IMMV	Iera Moni Meta	3.25 204 P	Pn	Pn	19 12 56.4 +0.1
LAST	Lasithi	3.29 181 P	Pn	Pn	19 12 57.2 +0.4
LAST	Lasithi	3.29 181 P	Pn	Pn	19 12 57.2 +0.4
SBT2	Suzelice-Avcila	3.31 42 ePN	Pn	Pn	19 12 59.2 +2.6
SBT2	Suzelice-Avcila	3.31 42 ePN	Pn	Pn	19 12 59.2 +2.6
FETY	Fethiye	3.33 122 ePN	Pn	Pn	19 12 59.2 +2.0
FETY	Fethiye	3.33 122 ePN	Pn	Pn	19 12 59.2 +2.0
SBT5	Esenkoy-Cinarc	3.35 49 ePN	Pn	Pn	19 12 59.5 +2.0
SBT5	Esenkoy-Cinarc	3.35 49 ePN	Pn	Pn	19 12 59.5 +2.0
ZKR	Zakros	3.37 171 P	Pn	Pn	19 12 59.4 +1.5
ZKR	Zakros	3.37 171 P	Pn	Pn	19 12 59.4 +1.5
KNT	Kendrikon	3.40 323 P	Pn	Pn	19 12 59.2 +1.0
KNT	Kendrikon	3.40 323 P	Pn	Pn	19 12 59.2 +1.0
PYL	PYLOS	3.42 244 P	Pn	Pn	19 12 59.2 +0.7
PYL	PYLOS	3.42 244 P	Pn	Pn	19 12 59.2 +0.7
GEML	Gemlik	3.42 54 ePN	Pn	Pn	19 13 01.1 +2.5
GEML	Gemlik	3.42 54 ePN	Pn	Pn	19 13 01.1 +2.5
SLVT	Silivri	3.43 35 ePN	Pn	Pn	19 13 00.8 +2.2
SLVT	Silivri	3.43 35 ePN	Pn	Pn	19 13 00.8 +2.2
GRG	Griva	3.50 317 P	Pn	Pn	19 13 00.6 +1.0
GRG	Griva	3.50 317 P	Pn	Pn	19 13 00.6 +1.0
EDRB	Edirne	3.50 114 ePN	Pn	Pn	19 13 01.9 +2.3
EDRB	Edirne	3.50 114 ePN	Pn	Pn	19 13 01.9 +2.3
CTKS	Kestanelik-??a	3.58 38 ePN	Pn	Pn	19 13 02.4 +1.8
CTKS	Kestanelik-??a	3.58 38 ePN	Pn	Pn	19 13 02.4 +1.8
CAVI	Cavusky	3.74 61 ePN	Pn	Pn	19 13 05.1 +2.2
CAVI	Cavusky	3.74 61 ePN	Pn	Pn	19 13 05.1 +2.2

ADVT	Abdulvahap	3.78 57 ePN	Pn	Pn	19 13 05.6 +2.2
ADVT	Abdulvahap	3.78 57 ePN	Pn	Pn	19 13 05.6 +2.2
AKAS	Kas	3.90 123 ePN	Pn	Pn	19 13 07.2 +1.9
AKAS	Kas	3.90 123 ePN	Pn	Pn	19 13 07.2 +1.9
VTS	Vitosha	4.51 337 ePN	Pn	Pn	19 13 14.7 +1.1
VTS	Vitosha	4.51 337 ePN	Pn	Pn	19 13 14.7 +1.1
BRTR	Reskin Array B	6.40 76 Pn	Pn	Pn	19 13 41.0 +1.5
BRTR	comp=N,0.2nm,0.3s,baz=256,slow=1.4,SNR=5.8		Sn	Sn	
HERR	Herculane	6.84 341 ePN	Pn	Pn	19 13 42.6 -2.9
HERR	Herculane	6.84 341 ePN	Pn	Pn	19 13 42.6 -2.9
MDOV	Moldovita	6.95 237 P	Pn	Pn	19 13 48.8 -0.6
MDOV	Moldovita	6.95 237 P	Pn	Pn	19 13 48.8 -0.6
CFR	Carcallu	6.98 155 P	Pb	Pn	19 13 57.5 -8.8
CFR	Carcallu	6.98 155 P	Pb	Pn	19 13 57.5 -8.8
VOIR	Voina	6.99 357 ePN	Pn	Pn	19 13 45.0 -2.6
VOIR	Voina	6.99 357 ePN	Pn	Pn	19 13 45.0 -2.6
MLR	Muntele Rosu	7.04 2 Pn	Pn	Pn	19 13 48.7 +0.4
MLR	comp=N,0.0nm,0.3s,baz=228,slow=8.1,SNR=7.5		Sn	Sn	
MLR	comp=N,0.0nm,0.3s,baz=228,slow=8.1,SNR=7.5		Sn	Sn	19 15 11.6 +3.0
MLR	Muntele Rosu	7.04 2 ePN	Pn	Pn	19 13 49.2 +0.9
MLR	Muntele Rosu	7.04 2 ePN	Pn	Pn	19 13 49.2 +0.9
MLR	Muntele Rosu	7.04 2 ePN	Pn	Pn	19 13 49.2 +0.9
LOT	Lotru	7.12 350 ePN	Pn	Pn	19 13 48.8 -0.6
LOT	Lotru	7.12 350 ePN	Pn	Pn	19 13 48.8 -0.6
PLOR	Plostina	7.12 6 ePN	Pn	Pn	19 13 55.5 +1.9
PLOR	Plostina	7.12 6 ePN	Pn	Pn	19 13 55.5 +1.9
PLOR	Plostina	7.43 6 ePN	Pn	Pn	19 13 55.5 +1.9
PLOR	Plostina	7.43 6 ePN	Pn	Pn	19 13 55.5 +1.9
VRI	Vrincioiaia	7.46 6 ePN	Pn	Pn	19 13 53.9 0.0
VRI	Vrincioiaia	7.46 6 ePN	Pn	Pn	19 13 53.9 0.0
DOPR	Dopca	7.51 359 ePN	Pn	Pn	19 13 57.2 +2.5
DOPR	Dopca	7.51 359 ePN	Pn	Pn	19 13 57.2 +2.5
TESR	Tescani	8.09 5 ePN	Pn	Pn	19 14 03.0 +0.4



Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like GRB, MMAI, HDK1, etc.

ISCJCB 12 19:18:47.8±1.1, 30°83'S, 0°04'72.07W, 0.08, h10km, Error ellipse: s-maj=10.5km s-min=5.7km az=9.5

SJA 12 19:18:47.6±0.5, 30°92'S, 71°87'W, h3km, 7km, MLC3.7, MW3.5

GUC 12 19:18:52.0±0.4, 30°86'S, 71°17'W, h82km, 4km, MLC3.5

ISC 12 19:18:45.9±1.1, 30°82'S, 0°04'72.08W, 0.10, h10km, n19, c281/29, 4C, Off coast of central Chile

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like TLL, LCO, ROCH, etc.

NIED 12 19:24:00.45±50N, 142°40'E, h360km, Mw4.2 Best double couple: M=1.90000, 0.019 NP1=144.00000, 0.669 0.0000, 0.9.00000, NP2=psi.51.00000, 0.82.00000, 1.158.00000

ISCJCB 12 19:24:29.5±0.2, 45°52'N, 142°24'E, h312km, 6.4km, h311km, 2km, mb3.8/27, Error ellipse: s-maj=6.4km s-min=6.0km az=155.6

MOS 12 19:24:29.7±1.3, 45°56'N, 142°22'E, h312km, mb3.9/12, Error ellipse: s-maj=14.0km s-min=8.3km az=96.3

IDC 12 19:24:30.4±0.5, 45°51'N, 142°24'E, h304km, 6km, mb3.4/22, mb1.3/29, mb1mx3.5/40, mbtmp4.1/29, Error ellipse: s-maj=11.7km s-min=10.4km az=122.0

JMA 12 19:24:30.6±0.2, 45°48'N, 142°40'E, h307km, 2km, M3.9 SKHL 12 19:24:31.1±0.4, 45°42'N, 142°40'E, h314km, 1.7km, mb4.4/6, mb4.8/3, msh4.9/4, msh5.2/5

ISC 12 19:24:30.2±0.5, 45°50'N, 142°36'E, 0.05, h307km, 5km, n83, c141/100, mb3.7/27, 15C-3D, Hokkaido region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like JWK2, JSE, JRR, etc.

Main table with columns: YSS, eS, S, Smax, smax, pmax, etc. Includes stations like KHLM, JKK2, JMR, etc.

Table with columns: HFS, AKASE, ASAR, etc. Includes stations like Hagfors, Malin Array Be, etc.

ROM 12 19:49:07.0±1.0, 42°29'N, 13°67'E, h9km, 1km, Md2.6/23, M12/17, Error ellipse: s-maj=1.5km s-min=1.2km az=66.0

IASPEI 12 19:49:07.1±0.9, 42°29'N, 0°02'13.67E, 0.02, h12km, 5km, Error ellipse: s-maj=3.4km s-min=2.6km az=73.9, GT5 selection from ISC bulletin GT5 identified by Bond jr and McLaughlin (2009) selection criteria Bond jr and McLaughlin, A new ground truth data set for seismic studies, <Seism. Res. Lett.>, <doi>10.1785/02-2008-0021, 2009

ISCJCB 12 19:49:07.1±0.4, 42°28'N, 0°02'13.67E, 0.03, h10km, 4km, Error ellipse: s-maj=4.4km s-min=3.0km az=159.2

CSEM 12 19:49:07.2±0.1, 42°28'N, 13°67'E, h5km, 7.0, Error ellipse: s-maj=3.0km s-min=2.1km az=74.0

ISC 12 19:49:07.2±0.8, 42°28'N, 0°02'13.67E, 0.02, h10km, 5km, n49, c08/7378, Central Italy

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like FAGN, VCEI, AQU, etc.













Table with columns: MDT, Midelt, 54.66 63 P, P, 23 21 39.2 +4.7, TORO, Torodi Ar. Bea, 64.70 85 P, P, 23 22 37.0 +2.3, INK, Inuik, 64.70 337 P, P, 23 22 43.6 +0.7, ILAR, Eielson Array, 69.72 333 P, P, 23 23 14.9 +0.2

IDC 12 23:12:39.6:3.0, 181.96N-64.60W, h66km, 32km, mb3.7/9, mb1.3/9.10, mb1mx3/6.43, mbtmp4, 1/10, ML4.0/1, MS3.3/1, Ms1.3/3.1, ms1mx2.7/32, Error ellipse: s-maj=27.3km, s-min=19.3km az=52.0

ISC 12 23:12:37.3:0.8, 19.06N-109.6456W-0.08, h42km, n19, az=232/17, mb4.0/8, Virgin Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, SMRT, St. Maarten, 1.73 125 e, Op, ISC, h m s, ISC, 23 13 25.0 +0.2, LVC, Limon Verde, 41.63 188 P, P, 23 20 27.1 -0.9, MDT, Midelt, 54.98 63 P, P, 23 22 05.1 +0.4, YKA, Yellowknife Ar, 55.29 334 P, P, 23 22 05.9 -0.3, ESDC, Sonseca Array, 55.62 55 P, P, 23 22 09.6 +0.5, DBIC, Dimbokro, 59.24 54 P, P, 23 22 34.6 -0.3, TORO, Torodi Ar. Bea, 64.72 84 P, P, 23 23 03.5 -1.0, ILAR, Eielson Array, 69.67 333 P, P, 23 23 42.5 +0.2, BRTR, Keskin Array B, 84.12 50 P, P, 23 25 05.0 +0.6

ISC/JB 12 23:13:17.4:0.5, 32.40N-102.115:48W-0.03, h14km, 4km, Error ellipse: s-maj=3.9km s-min=3.6km az=33.8

ECX 12 23:13:18.4:0.0, 32.38N-115.49W, h3km, MD2.9, ML3.1, NEIC 12 23:13:18.4:0.0, 32.38N-115.49W, h3km, ML3.0(PAS), ML3.1(EXT), After EXC.

MEX 12 23:13:18.1:0.7, 32.51N-115.38W, h11km, 61km, MD3.6, ISC 12 23:13:16.7:0.9, 32.38N-102.115:51W-0.02, h15km, 6km, n34, az=85/56, 8C-3D, California-Baja California border region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, CPXB, Cerro Prieto, 0.18 76i e, Op, Pg, 23 13 21.2 +0.2, MBIG, Mexicali, 0.26 83 e, Sg, 23 13 24.4 +0.6, ERPC, Ernie's Place, 0.39 340 P, P, 23 13 24.3 +0.1, WESC, Westside Schoo, 0.43 334 i, P, 23 13 24.3 +0.1, YUH, Yuna Desert, 0.45 308 i, P, 23 13 26.3 +0.2, COX, Cook Ranch, 0.51 309 P, P, 23 13 26.3 +0.2, RMX, La Rumorosa, 0.54 295 i, P, 23 13 27.4 +0.1, RMX, East Mesa, 0.57 50 i, P, 23 13 28.8 +0.4, IKP, In-Ko-Pah, Jac, 0.58 298 P, P, 23 13 28.7 +0.1, IKP, In-Ko-Pah, Jac, 0.58 298 i, P, 23 13 28.7 +0.1, COAC, Coachella, 0.58 33 i, P, 23 13 28.9 +0.2, SWA, Sam W. Stewart, 0.62 337 P, P, 23 13 29.5 +0.2, SWSC, 0.89 40 P, S, 23 13 38.0 +0.2, GLA, Glamis, 0.89 40 P, S, 23 13 33.1 -0.7, GLA, Glamis, 0.89 40 P, S, 23 13 44.6 -0.8, MONP2, Monument Peak, 0.93 304 P, P, 23 13 35.1 -0.3, MONP2, 0.93 304 P, S, 23 13 47.5 +0.6, ECBX, El Chinerio, 0.98 157 e, P, 23 13 34.6 -0.7, ECBX, Cerro Bola, 0.98 267 e, P, 23 13 48.7 -0.8, CBX, Cerro Bola, 0.98 267 e, S, 23 13 49.3 -0.5, CBX, Cerro Bola, 0.98 267 i, P, 23 13 36.3 +0.2, CBX, Cerro Bola, 0.98 267 e, S, 23 13 49.6 -0.2, CBX, 0.98 267 i, P, 23 13 50.0, CBX, Cerro Bola, 0.98 267 e, P, 23 13 36.3 +0.2, CBX, Cerro Bola, 0.98 267 e, S, 23 13 49.3 -0.5, TJIG, Tijuana, 0.99 274 i, P, 23 13 37.3 +1.2, TJIG, 0.99 274 i, P, 23 13 49.1 +0.3, BAR, Barrett, 1.03 287 i, P, 23 13 48.0 +0.2, ECNX, Esteban Cantu, 1.03 287 i, P, 23 13 39.4 +0.1, ECNX, 1.03 287 i, P, 23 13 55.0 +0.4, SDRC, San Diego Road, 1.27 287 e, P, 23 13 40.8 -0.3, BC3, Big Chuckawall, 1.28 2 P, S, 23 13 39.4 -0.8, BC3, 1.28 2 P, S, 23 13 54.9 -2.0, SPIG, San Pedro Mart, 1.32 179 e, P, 23 13 41.2 -0.3, SPIG, San Pedro Mart, 1.32 179 e, S, 23 13 59.5 -0.1, SPIG, San Pedro Mart, 1.32 179 e, P, 23 13 41.2 -0.3, SPIG, San Pedro Mart, 1.32 179 e, S, 23 13 59.5 -0.1, SPX, San Pedro Mart, 1.33 178 e, P, 23 13 41.2 -0.3, 109C, Camp Elliot, M, 1.44 291 P, P, 23 13 43.7 +0.4, 109C, 1.44 291 P, S, 23 13 42.3 +0.8, PFO, Pinyon Flats O, 1.47 327 P, P, 23 14 02.4 -0.5, PFO, 1.47 327 P, S, 23 14 01.5 -0.4, PFO, Pinyon Flats O, 1.47 327 e, P, 23 14 42.3 -0.5, PFO, Pinyon Flats O, 1.47 327 e, S, 23 14 03.5 -0.6, Y12C, Blythe, 1.60 31 P, S, 23 14 05.0 +0.1, 214A, Organ Pipe Nat, 2.32 101 e, P, 23 13 58.1 -0.2, 214A, 2.32 101 e, P, 23 14 02.3 +1.0, 214A, 2.32 101 e, S, 23 14 35.8 +4.4

NEIC 12 23:14:03.6:0.0, 38.59S-175.79E, h154km, MG4.1(WEL), After WEL

WEL 12 23:14:02.9:0.3, 38.57S-175.77E, h161km, 2km, ML4.1/54, 30C-18D, Error ellipse: s-maj=1.2km s-min=1.2km az=90.0, North Island

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, WATZ, Wairara, 0.14 192 P, P, 23 14 24.6 +0.2, WATZ, Wairara, 0.14 192 P, P, 23 14 24.6 +0.2, RATZ, Rangitukua, 0.30 180 P, P, 23 14 24.6 +0.2, RATZ, Rangitukua, 0.30 180 i, P, 23 14 24.6 +0.1, TLZ, Tolley Road, 0.30 323 P, P, 23 14 25.0 +0.2, TLZ, Tolley Road, 0.30 323 P, S, 23 14 41.6 +0.1, TLZ, Tolley Road, 0.30 323 P, P, 23 14 25.0 +0.2, TLZ, Tolley Road, 0.30 323 P, S, 23 14 41.6 +0.1

Table with columns: WPRZ, Whakapapatarin, 0.31 81 P, P, 23 14 24.9 +0.2, WPRZ, Whakapapatarin, 0.31 81 P, P, 23 14 24.9 +0.1, KATZ, Kakaramea, 0.41 188 P, P, 23 14 25.3 0.0, KATZ, Kakaramea, 0.41 188 P, P, 23 14 25.3 0.0, RITZ, Rihia Road, 0.41 170 P, P, 23 14 25.3 +0.1, RITZ, Rihia Road, 0.41 170 P, P, 23 14 25.3 +0.1, ALRZ, Allen Road, 0.45 89 P, P, 23 14 25.3 0.0, ALRZ, Allen Road, 0.45 89 P, P, 23 14 25.3 0.0, KRWZ, Karewarewa, 0.53 191 P, P, 23 14 25.2 -0.2, KRWZ, Karewarewa, 0.53 191 P, P, 23 14 25.2 -0.2, WTVZ, West Tongariro, 0.56 194 P, P, 23 14 25.8 -0.1, WTVZ, West Tongariro, 0.56 194 P, P, 23 14 25.8 -0.1, WTVZ, Taurewa, 0.56 207 P, P, 23 14 25.9 0.0, WTVZ, Taurewa, 0.56 207 P, P, 23 14 25.9 0.0, MRHZ, Matea Rd, 0.57 118 P, P, 23 14 25.9 -0.2, MRHZ, 0.57 118 P, P, 23 14 25.9 -0.2, OTVZ, Oturere, 0.60 188 P, P, 23 14 26.0 -0.2, OTVZ, Oturere, 0.60 188 P, P, 23 14 26.0 -0.2, NGZ, Ngauruhoe, 0.62 192 P, P, 23 14 26.1 -0.1, NGZ, Ngauruhoe, 0.62 192 P, P, 23 14 26.1 -0.1, RRRZ, Republican Roa, 0.63 69 P, P, 23 14 26.1 -0.1, RRRZ, Republican Roa, 0.63 69 P, P, 23 14 26.1 -0.1, TARZ, Mount Tarawera, 0.67 60 P, P, 23 14 26.5 0.0, TARZ, Mount Tarawera, 0.67 60 P, P, 23 14 26.5 0.0, TARZ, Turoa, 0.75 193 P, P, 23 14 27.1 0.0, TARZ, Turoa, 0.75 193 P, P, 23 14 27.1 0.0, WNVZ, Wahianoa, 0.77 190 P, P, 23 14 27.0 0.0, WNVZ, Wahianoa, 0.77 190 P, P, 23 14 27.0 0.0, MUGZ, Murupara, 0.79 84 P, P, 23 14 26.7 -0.5, MUGZ, 0.79 84 P, P, 23 14 26.7 -0.5, PKVZ, Pokaka, 0.79 205 P, P, 23 14 27.1 -0.1, PKVZ, Pokaka, 0.79 205 P, P, 23 14 27.1 -0.1, BKZ, Black Stump Fm, 0.82 137 P, P, 23 14 27.2 -0.2, BKZ, Black Stump Fm, 0.82 137 P, P, 23 14 27.2 -0.2, MOVZ, Moawhango, 0.84 181 P, P, 23 14 27.2 -0.3, MOVZ, Moawhango, 0.84 181 P, P, 23 14 27.2 -0.3, MOVZ, Mangateitei, 0.85 196 P, P, 23 14 27.6 0.0, MOVZ, Mangateitei, 0.85 196 P, P, 23 14 27.6 0.0, MTHZ, Maungataniwha, 0.88 109 P, P, 23 14 27.9 0.0, MTHZ, Maungataniwha, 0.88 109 P, P, 23 14 27.9 0.0, EDZ, Edgecumbe, 0.89 59 P, P, 23 14 27.7 -0.3, EDZ, Edgecumbe, 0.89 59 P, P, 23 14 27.7 -0.3, EDZ, Edgecumbe, 0.89 59 P, P, 23 14 27.7 -0.3, EDZ, Edgecumbe, 0.89 59 P, P, 23 14 27.7 -0.3, TGZ, Tauranga, 0.92 25 P, P, 23 14 28.2 +0.1, TGZ, Tauranga, 0.92 25 P, P, 23 14 28.2 +0.1, BHZ, Black Hill Sta, 0.95 166 P, P, 23 14 28.0 -0.3, BHZ, Black Hill Sta, 0.95 166 P, P, 23 14 28.0 -0.3, BHZ, Black Hill Sta, 0.95 166 P, P, 23 14 28.0 -0.3, BHZ, Black Hill Sta, 0.95 166 P, P, 23 14 28.0 -0.3, Ruatohuna, 0.95 93 P, P, 23 14 28.0 -0.2, OPRZ, Ohinepanea, 0.95 41 P, P, 23 14 28.0 -0.3, OPRZ, Ohinepanea, 0.95 41 P, P, 23 14 28.0 -0.3, VERA, Vera Road, 0.96 235 P, P, 23 14 28.2 -0.2, VERA, Vera Road, 0.96 235 P, P, 23 14 28.2 -0.2, NAUMAI, Naumai, 0.97 123 P, P, 23 14 29.4 +0.9, NAUMAI, Naumai, 0.97 123 P, P, 23 14 29.4 +0.9, Kaweka Forest, 0.99 149 P, P, 23 14 28.8 +0.1, Kaweka Forest, 0.99 149 P, P, 23 14 28.8 +0.1, Urewera, 1.10 74 P, P, 23 14 28.6 -0.9, Urewera, 1.10 74 P, P, 23 14 28.6 -0.9, McNeill Hill, 1.13 141 P, P, 23 14 30.8 +0.6, McNeill Hill, 1.13 141 P, P, 23 14 30.8 +0.6, Whale Island, 1.19 53 P, P, 23 14 31.0 -0.2, Shannon Statio, 1.25 100 P, P, 23 14 31.1 +0.3, Shannon Statio, 1.25 100 P, P, 23 14 31.1 +0.3, Waihu, 1.25 114 P, P, 23 14 31.2 +0.4, Waihu, 1.25 114 P, P, 23 14 31.2 +0.4, Rawiri, 1.29 87 P, P, 23 14 30.9 -0.4, Rawiri, 1.29 87 P, P, 23 14 30.9 -0.4, Wanganui, 1.33 207 P, P, 23 14 31.3 -0.3, Wanganui, 1.33 207 P, P, 23 14 31.3 -0.3, Durham Road, 1.37 243 P, P, 23 14 32.4 +0.4, Durham Road, 1.37 243 P, P, 23 14 32.4 +0.4, Pukenui, 1.38 166 P, P, 23 14 31.8 -0.3, Pukenui, 1.38 166 P, P, 23 14 31.8 -0.3, Lake Rotokare, 1.39 230 P, P, 23 14 32.4 +0.3, Lake Rotokare, 1.39 230 P, P, 23 14 32.4 +0.3, North Egmont, 1.48 241 P, P, 23 14 33.3 +0.2, North Egmont, 1.48 241 P, P, 23 14 33.3 +0.2, Cape Kidnapper, 1.49 137 P, P, 23 14 33.6 +0.4, Cape Kidnapper, 1.49 137 P, P, 23 14 33.6 +0.4, Takapari Road, 1.49 174 P, P, 23 14 32.8 -0.4, Takapari Road, 1.49 174 P, P, 23 14 32.8 -0.4, Kahuranaki, 1.50 145 P, P, 23 14 33.5 +0.2, Kahuranaki, 1.50 145 P, P, 23 14 33.5 +0.2, Kahurangi, 1.55 242 P, P, 23 14 32.9 -1.0, Kahurangi, 1.55 242 P, P, 23 14 32.9 -1.0, Kokohu, 1.56 107 P, P, 23 14 33.8 0.0, Kokohu, 1.56 107 P, P, 23 14 33.8 0.0, Rimuhau, 1.57 96 P, P, 23 14 33.9 -0.2, Rimuhau, 1.57 96 P, P, 23 14 33.9 -0.2, Waipukurau, 1.58 161 P, P, 23 14 33.9 -0.2, Waipukurau, 1.58 161 P, P, 23 14 33.9 -0.2, Raukumara Rang, 1.62 69 P, P, 23 14 33.4 -1.2, Raukumara Rang, 1.62 69 P, P, 23 14 33.4 -1.2, Karaka, 1.64 86 P, P, 23 14 34.8 +0.2, Karaka, 1.64 86 P, P, 23 14 34.8 +0.2, Ohakea, 1.67 192 P, P, 23 14 34.9 -0.1, Ohakea, 1.67 192 P, P, 23 14 34.9 -0.1, Pawanui, 1.69 150 P, P, 23 14 34.9 -0.2, Pawanui, 1.69 150 P, P, 23 14 34.9 -0.2, Parituro, 1.69 103 P, P, 23 14 35.2 -0.1, Parituro, 1.69 103 P, P, 23 14 35.2 -0.1, Dannevirke, 1.75 170 P, P, 23 14 35.1 -0.8, Dannevirke, 1.75 170 P, P, 23 14 35.1 -0.8, Mahia Peninsula, 1.77 110 P, P, 23 14 36.2 +0.1, Mahia Peninsula, 1.77 110 P, P, 23 14 36.2 +0.1, Mahia Peninsula, 1.77 110 P, P, 23 14 36.2 +0.1, Mahia Peninsula, 1.77 110 P, P, 23 14 36.2 +0.1

Table with columns: MHGZ, 1.78 78 P, P, 23 14 36.3 0.0, MHGZ, 1.78 78 P, P, 23 14 36.3 0.0, Te Kaha, 1.78 64 P, P, 23 14 36.8 -1.0, Post Office Ro, 1.82 180 P, P, 23 14 35.8 -0.9, Post Office Ro, 1.82 180 P, P, 23 14 35.7 -0.9, Carnagh Statio, 1.91 88 P, P, 23 14 37.9 +0.3, Carnagh Statio, 1.91 88 P, P, 23 14 37.9 +0.3, Pakihiroa, 1.94 70 P, P, 23 14 37.6 -0.4, Pakihiroa, 1.94 70 P, P, 23 14 37.6 -0.4, Angora Road, 1.96 164 P, P, 23 14 37.7 -0.5, Angora Road, 1.96 164 P, P, 23 14 37.7 -0.5, Pori Road, 1.99 176 P, P, 23 14 37.7 -0.8, Pori Road, 1.99 176 P, P, 23 14 37.7 -0.8, Puketiti, 2.02 77 P, P, 23 14 38.2 -0.7, Puketiti, 2.02 77 P, P, 23 14 38.2 -0.7, Mangatainoka R, 2.09 184 P, P, 23 14 38.3 -1.4, Mangatainoka R, 2.09 184 P, P, 23 14 38.3 -1.4, Birch Farm, 2.14 170 P, P, 23 14 39.1 -1.2, Birch Farm, 2.14 170 P, P, 23 14 39.1 -1.2, Waiomatatini S, 2.21 71 P, P, 23 14 40.5 -0.6, Waiomatatini S, 2.21 71 P, P, 23 14 40.5 -0.6, Matakaoa Point, 2.24 64 P, P, 23 14 41.0 -0.4, Matakaoa Point, 2.24 64 P, P, 23 14 41.0 -0.4, Otaki Gorge, 2.29 191 P, P, 23 14 40.7 -1.3, Otaki Gorge, 2.29 191 P, P, 23 14 40.7 -1.3, Holdsworth Sta, 2.33 185 P, P, 23 14 40.8 -1.7, Holdsworth Sta, 2.33 185 P, P, 23 14 40.8 -1.7, Castlepoint, 2.36 172 P, P, 23 14 42.0 -0.8, Castlepoint, 2.36 172 P, P, 23 14 42.0 -0.8, Kapiti Island, 2.38 196 P, P, 23 14 41.3 -1.8, Kapiti Island, 2.38 196 P, P, 23 14 41.3 -1.8, Te Maipa, 2.54 178 P, P, 23 14 43.3 -1.6, Te Maipa, 2.54 178 P, P, 23 14 43.3 -1.6, Cannon Point, 2.59 192 P, P, 23 14 43.8 -1.8, Cannon Point, 2.59 192 P, P, 23 14 43.8 -1.8, Mount Morrison, 2.59 184 P, P, 23 14 43.5 -2.1, Mount Morrison, 2.59 184 P, P, 23 14 43.5 -2.1, Wellington, 2.82 196 P, P, 23 14 46.3 -2.0, Wellington, 2.82 196 P, P, 23 14 46.3 -2.0, Paruawai Farm, 2.82 185 P, P, 23 14 46.1 -2.3, Paruawai Farm, 2.82 185 P, P, 23 14 46.1 -2.3, Traveller, 2.83 181 P, P, 23 14 46.4 -2.1, Traveller, 2.83 181 P, P, 23 14 46.4 -2.1, Moikau Station, 2.87 188 P, P, 23 14 46.6 -2.4, Moikau Station, 2.87 188 P, P, 23 14 46.6 -2.4, Tory Channel, 2.88 203 P, P, 23 14 46.9 -2.2, Tory Channel, 2.88 203 P, P, 23 14 46.9 -2.2, Baring Head, 2.92 193 P, P, 23 14 47.2 -2.4, Baring Head, 2.92 193 P, P, 23 14 47.2 -2.4, Palliser, 3.02 187 P, P, 23 14 48.3 -2.6, Palliser, 3.02 187 P, P, 23 14 48.3 -2.6, Tuamarina, 3.18 206 P, P, 23 14 50.3 -2.6, Tuamarina, 3.18 206 P, P, 23 14 50.3 -2.6, Nelson, 3.22 214 P, P, 23 14 50.7 -2.7, Nelson, 3.22 214 P, P, 23 14 50.7 -2.7, Quartz Range, 3.37 227 P, P, 23 14 52.3 -2.9, Quartz Range, 3.37 227 P, P, 23 14 52.3 -2.9, Blackbirch Sta, 3.46 204 P, P, 23 14 53.9 -2.5, Blackbirch Sta, 3.46 204 P, P, 23 14 53.9 -2.5, Tophouse, 3.87 214 P, P, 23 14 58.7 -3.0, Tophouse, 3.87 214 P, P, 23 14 58.7 -3.0, Kahutara, 4.20 203 P, P, 23 15 03.0 -2.9, Kahutara, 4.20 203 P, P, 23 15 03.0 -2.9, Denniston North, 4.39 223 P, P, 23 15 04.8 -3.3, Denniston North, 4.39 223 P, P, 23 15 04.8 -3.3, Lake Taylor, 4.98 211 P, P, 23 15 12.9 -3.7, Lake Taylor, 4.98 211 P, P, 23 15 12.9 -3.7, Oxford, 5.53 210 P, P, 23 15 18.8 -4.5, Oxford, 5.53 210 P, P, 23 15 18.8 -4.5, McQueen's Vall, 5.64 204 P, P, 23 15 20.0 -4.8, McQueen's Vall, 5.64 204 P, P, 23 15 20.0 -4.8, Otahua Downs, 5.71 209 P, P, 23 15 45.5 -4.2, Otahua Downs, 5.71 209 P, P, 23 15 45.5 -4.2, Jackson Bay, 7.60 221 P, P, 23 15 46.6 -4.3, Jackson Bay, 7.60 221 P, P, 23 15 46.6 -4.3

TRN 12 23:14:53.7: 18.90N-64.22W, h49km

NEIC 12 23:14:54.6:0.0, 18.96N-64.13W, h50km, MD2.5(RSPR), After RSPR

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ABV, Anegada, 0.30 219i e, Op, ISC, h m s, ISC, 23 15 02.7 -1.0, ABV, Anegada, 0.30 219 e, S, 23 15 02.9 -0.3, ABV, Anegada, 0.30 219i e, S, 23 15 02.7 -1.0, ABV, Anegada Island, 0.30 220i e, S, 23 15 02.7 -1.0, Tortola, 0.71 220i e, S, 23 15 02.9 -0.3, Tortola, 0.71 220i e, S, 23 15 02.9 -0.3, Tortola, 0.71 220i e, S, 23 15 07.6 -0.9, Tortola, 0.71 220i e, S, 23 15 07.6 -0.9



Table with columns: TBVI, Tortola, 0.71 2201eP, Pn, 23 15 07.6 -0.9, etc.

Table with columns: MTP, Monte Pirata, 1.72 2401eP, Pn, 23 31 56.0 -0.5, etc.

Table with columns: SJG, San Juan, 1.98 2411eP, Ss, 23 46 56.0 +1.9, etc.

ISCJB 12 23:18:15.9.0.5.38.68N.0.03:43.18E.0.04, h2km,6km, Error ellipse: s-maj=6.1km s-min=4.4km az=150.2

ISCJB 12 23:39:55.6.0.6.38.53N.0.03:43.30E.0.04, h2km,7km, Error ellipse: s-maj=5.5km s-min=5.1km az=29.2

ISCJB 12 23:39:55.6.0.2.38.50N.0.03:43.32E.0.04, h5km,ML2.8, Error ellipse: s-maj=6.9km s-min=4.3km az=94.0

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

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

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

ISCJB 12 23:22:51.2.0.7.1.85N.0.05:98.96E.0.07, h100km, mb3.6/3, Error ellipse: s-maj=10.9km s-min=5.9km

TRN 12 23:45:54.0.15.66N.61.47W, h8km, MD1.8, 1C, Leeward Islands

ISCJB 12 23:22:52.1.3.0.1.90N.98.88E, h116km, 12km, mb3.3/3, mb1.3/5.4, mb1mx3/1.36, mbtmp3/6.4, Error ellipse: s-maj=9.18km s-min=20.7km az=57.0

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

ISCJB 12 23:45:57.0.19.17N.64.30W, h26km, Error ellipse: s-maj=2.3km az=23.4

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

TRN 12 23:29:51.0.18.35N.64.15W, h3km, NEIC 12 23:29:56.5.0.0.18.80N.64.08W, h25km, MD2.7(RSPR), After RSPR.

NEIC 12 23:45:59.1.0.19.20N.64.33W, h6km, mb4.9/40, MD4.6(RSPR), After RSPR.

ISCJB 12 23:45:59.1.19.20N.64.33W, h4km, 1km, IDIC 12 23:46:00.2.1.19.06N.64.38W, h50km, 17km, mb4.1/27, mb1.4/3/30, mb1mx2.5/6, mbtmp4/3/30, MS4.5/2, MS1.4/5.2, ms1mx3.9/18, Error ellipse: s-maj=11.4km s-min=9.9km az=68.0

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

NEIC 12 23:45:59.1.19.20N.64.33W, h4km, 1km, IDIC 12 23:46:00.2.1.19.06N.64.38W, h50km, 17km, mb4.1/27, mb1.4/3/30, mb1mx2.5/6, mbtmp4/3/30, MS4.5/2, MS1.4/5.2, ms1mx3.9/18, Error ellipse: s-maj=11.4km s-min=9.9km az=68.0

ISCJB 12 23:45:58.9.0.6.19.08N.0.04:64.33W.0.02, h31km, 4km, n449, e1944/502, mb4.8/68, MS4.8/5, 49C-15D, Virgin Islands

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

ISCJB 12 23:45:58.9.0.6.19.08N.0.04:64.33W.0.02, h31km, 4km, n449, e1944/502, mb4.8/68, MS4.8/5, 49C-15D, Virgin Islands

ISCJB 12 23:45:58.9.0.6.19.08N.0.04:64.33W.0.02, h31km, 4km, n449, e1944/502, mb4.8/68, MS4.8/5, 49C-15D, Virgin Islands

TRN 12 23:31:27.9.18.94N.64.09W, h56km, NEIC 12 23:31:28.9.0.0.18.98N.63.99W, h56km, MD2.5(RSPR), After RSPR.

ISCJB 12 23:45:58.9.0.6.19.08N.0.04:64.33W.0.02, h31km, 4km, n449, e1944/502, mb4.8/68, MS4.8/5, 49C-15D, Virgin Islands

ISCJB 12 23:45:58.9.0.6.19.08N.0.04:64.33W.0.02, h31km, 4km, n449, e1944/502, mb4.8/68, MS4.8/5, 49C-15D, Virgin Islands

TRN 12 23:31:27.9.18.94N.64.09W, h56km, NEIC 12 23:31:28.9.0.0.18.98N.63.99W, h56km, MD2.5(RSPR), After RSPR.

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

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

CRUC	83nm,0.8s	21.35 217	eP	P	23 50 45.2 +1.0	237A	baz=125	31.06 301	P	P	23 52 14.9 +0.7	ECS2	baz=122	36.54 319	P	P	23 53 00.8 -1.0
JSC	Jenkinsville	21.36 319	eP	P	23 50 39.9 -3.8	T39A	baz=107	31.07 311	P	P	23 52 13.2 -1.2	ECS2	EROS Data Cent	36.54 319	eP	P	23 53 00.9 -0.9
URVA	University of	21.74 331	eP	P	23 50 49.0 +1.2	X38A	Whitesboro	31.17 306	P	P	23 52 15.4 +0.2	AMTX	Amarillo	36.58 303	P	P	23 53 01.9 -0.3
KMSC	Kings Mountain	21.97 320	P	P	23 50 49.8 -0.5	137A	Whitesboro	31.19 302	P	P	23 52 15.9 +0.5	AMTX	Amarillo	36.58 303	eP	P	23 53 02.0 -0.3
KM5C	Kings Mountain	21.97 320	eP	P	23 50 49.8 -1.0	V38A	Heron Place, G	31.19 302	P	P	23 52 15.9 +0.5	C36A	Pine Crest Far	36.82 327	P	P	23 53 03.3 -0.7
IP05	Hopewell Churc	22.05 331	eP	P	23 50 51.1 0.0	S39A	Canehill	31.32 308	P	P	23 52 16.3 -0.3	H33A	Prehn Over Nor	37.13 321	P	P	23 53 06.0 -0.8
IP01	Cuckoo	22.23 331	eP	P	23 50 53.0 0.0	L42A	Bolivar	31.34 312	P	P	23 52 15.2 -1.5	TXAR	Lajitas Array	37.15 294	P	P	23 53 06.4 -0.8
IP06	Yanceyville	22.24 330	eP	P	23 50 53.0 -0.1	P40A	Oliver, Polo	31.38 322	P	P	23 52 16.4 -0.6	TX31	Lajitas Ar. Si	37.15 294	eP	P	23 53 07.7 +0.4
IP07	Quail	22.25 330	eP	P	23 50 53.1 -0.1	R39A	Chumby, Stover	31.45 314	P	P	23 52 16.6 -1.0	MSTX	Muleshoe	37.22 301	P	P	23 53 07.4 -0.5
GOGA	Godfrey	22.27 314	eP	P	23 50 52.4 -1.1	Y37A	Hugo	31.53 304	P	P	23 52 19.4 +1.0	C35A	Jirik Farms, M	37.36 327	P	P	23 53 07.7 -1.0
IP03	Louisa	22.33 331	eP	P	23 50 56.9 +2.9	O40A	La Belle	31.62 317	P	P	23 52 17.2 -1.8	RCBR	Riachuelo	37.37 129	LR	LR	00 11 27.2
CMBC	Cumbal	22.36 218	eP	P	23 50 52.3 -2.8	K42A	Prairie Point,	31.70 324	P	P	23 52 19.0 -0.7	B35A	Bob, Littlefor	37.66 328	P	P	23 53 10.3 -0.9
IP04	Greensprings	22.42 331	eP	P	23 50 55.2 +0.2	136A	Ennis	31.78 301	P	P	23 52 20.6 0.0	BDFB	Brasilia	38.68 154	eP	P	23 53 15.8 +0.8
TGUH	Tegucigalpa,Un	22.54 261	eP	P	23 50 59.8 +3.2	W37B	Quinton	31.80 307	P	P	23 52 22.0 +1.2	HPIG	Brasilia	38.71 289	eP	P	23 53 20.5 0.0
BG3	Lake Jocassee	22.87 318	eP	P	23 50 59.6 -0.2	V37A	Hulbert	31.87 308	P	P	23 52 20.5 -0.9	MNXT	Cornudas Mount	38.94 297	eP	P	23 53 21.9 -0.3
BLA	Blacksburg	22.91 325	eP	P	23 50 60.0 -0.3	L41A	Preston	31.91 322	P	P	23 52 20.1 -1.5	T25A	Trinidad	38.94 306	P	P	23 53 24.1 -1.5
OTAV	Otavallo	23.30 218	eP	P	23 51 03.5 -1.3	J42A	Columbus	32.31 325	P	P	23 52 21.3 -0.5	C31A	Landman Farms,	39.44 324	P	P	23 53 25.1 -1.1
OTAV	Otavallo	23.30 218	eP	P	23 51 05.0 +0.2	R38A	Fenwick Farm,	31.98 313	P	P	23 52 21.1 -1.2	ULM	Lac du Bonnet	39.95 328	P	P	23 53 28.2 -2.1
TKL	Tuckaleechee C	23.82 318	P	S	23 51 08.2 -1.0	Y36A	Durant	32.03 304	P	P	23 52 23.3 +0.5	SDCO	Great Sand Dun	40.32 306	P	P	23 53 33.7 -0.3
TKL	Tuckaleechee C	23.82 318	eP	S	23 51 08.7 -0.6	T37A	Cheneyville 18	32.22 310	P	P	23 52 26.8 +2.3	SDCO	Great Sand Dun	40.32 306	eP	P	23 53 33.8 -0.2
TKL	Tuckaleechee C	23.82 318	eP	S	23 51 05.2 +7.4	X36A	Centrahoma	32.31 305	P	P	23 52 25.0 -0.2	BNM	Barren Site	40.39 301	eP	P	23 53 34.5 0.0
CPCT	Cooper Cave	24.17 317	eP	P	23 51 12.1 -0.4	TUL1	Leonard	32.37 308	P	P	23 52 25.3 -0.4	ANMO	Albuquerque	40.41 302	P	P	23 53 34.4 -0.2
O56A	Blue Knob Stat	24.43 333	P	P	23 51 14.5 -0.2	TUL1	Leonard	32.37 308	eP	P	23 52 25.3 -0.4	Q24A	Divide	40.41 308	P	P	23 53 34.3 -0.4
SSPA	Standing Stone	24.41 334	eP	P	23 51 14.4 -0.4	WHTX	Lake Whitney,	32.40 300	P	P	23 52 26.5 +0.4	LAZ	Ladron	40.85 301	eP	P	23 53 38.8 +0.5
348A	Jackson	24.54 305	P	P	23 51 15.6 -0.3	W36A	Wetumka	32.41 306	P	P	23 52 26.1 0.0	ISCO	Idaho Springs	41.00 309	P	P	23 53 39.4 -0.2
LRAL	Lakeview Retre	24.58 309	eP	P	23 51 18.1 +1.8	W36A	Wetumka	32.41 306	eP	P	23 52 25.8 -0.3	ISCO	Idaho Springs	41.00 309	eP	P	23 53 39.7 +0.1
247A	Dixon Mills	24.71 306	P	P	23 51 17.6 +0.1	934A	Benavides	32.43 292	P	P	23 52 26.7 +0.3	S22A	4UR Ranch, Cre	41.34 306	P	P	23 53 42.1 -0.2
447A	Lucedale	24.89 303	P	P	23 51 18.4 -0.6	V36A	Jenks	32.44 307	P	P	23 52 25.6 -0.7	S22A	Black Hills	41.34 306	P	P	23 53 42.6 +0.2
SWET	Seewanee	24.97 314	eP	pp	23 51 19.6 -0.2	V36A	Jenks	32.44 307	eP	P	23 52 25.6 -0.7	RSSD	Black Hills	41.34 306	P	P	23 53 41.8 -1.4
SWET	Seewanee	24.97 314	eP	pp	23 51 28.9 +0.1	V36A	Jenks	32.44 307	eP	P	23 52 25.6 -0.7	LVC	Limon Verde	41.68 186	P	P	23 53 42.8 -2.5
347A	Saraland	25.04 304	P	P	23 51 20.3 -0.1	J41A	Loganville	32.45 324	P	P	23 52 26.3 -0.1	PV01	Petrified Forest	43.08 301	P	P	23 53 54.1 +0.2
Z48A	Northport	25.16 309	P	P	23 51 22.2 +0.7	TLIG	Tapla	32.51 273	eP	P	23 52 28.4 +1.1	W18A	Petrified Forest	43.08 301	P	P	23 53 56.8 +0.3
247A	Quitman	25.36 305	P	P	23 51 24.1 +0.8	034A	Hebronville	32.51 291	P	P	23 52 27.1 +0.1	TUC	Tucson	43.57 297	P	P	23 54 01.1 +0.8
147A	Livingston	25.37 307	P	P	23 51 24.2 +0.8	Y35A	Marietta	32.62 304	P	P	23 52 28.3 +0.3	TUC	Tucson	43.57 297	eP	P	23 54 01.5 +1.2
Z47A	Carrollton	25.45 308	P	P	23 51 24.8 +0.7	O38A	Galt	32.65 316	P	P	23 52 27.8 -0.4	P18A	Preston Nutter	44.39 308	eP	P	23 54 07.2 +0.1
Y47A	UCPARC, Winfie	25.63 310	P	P	23 51 25.9 +0.2	K40A	Colesburg	32.67 322	P	P	23 52 27.1 -1.2	WUAZ	Wupatki	44.47 302	P	P	23 54 07.2 -0.4
146A	Union	25.95 306	P	P	23 51 30.0 +1.3	Q37A	Linow Farm,	32.69 314	P	P	23 52 27.6 -0.9	WUAZ	Wupatki	44.47 302	eP	P	23 54 09.1 +1.4
PLAL	Pickwick Lake	26.35 312	eP	P	23 51 31.8 -0.3	X35A	Drake	32.73 304	P	P	23 52 27.9 -1.0	SRU	Ednaeal Swc	44.73 307	eP	P	23 54 07.8 +0.1
245A	Little AP, Sta	26.35 304	P	P	23 51 32.5 +0.2	X35A	Drake	32.73 304	P	P	23 52 27.9 -1.0	P17A	Butcher Ranch	44.74 312	eP	P	23 54 10.0 +0.4
Y46A	Houston	26.35 309	P	P	23 51 32.4 +0.1	X35A	Drake	32.73 304	P	P	23 52 27.9 -1.0	BW06	Boulder Array	44.74 312	eP	P	23 54 09.3 -0.5
ACSO	Alum Creek Sta	26.49 327	eP	P	23 51 33.1 -0.4	X35A	Drake	32.73 304	eP	P	23 52 28.3 -0.6	BW06	Boulder Array	44.74 312	eP	P	23 54 09.4 -0.4
115A	Houston Renfro	26.60 305	P	P	23 51 35.5 +0.9	L39A	Vinton	32.84 320	P	P	23 52 28.6 -1.2	PDAR	Longview Array	42.77 306	eP	P	23 54 08.9 -0.8
CCIG	Comitan	26.63 268	eP	P	23 51 35.8 +0.6	J40A	Soldiers Grove	32.88 323	P	P	23 52 29.0 -1.1	TMUT	Trail Mountain	45.04 307	eP	P	23 54 13.1 +0.8
WVT	Waverly	26.76 314	eP	P	23 51 35.3 -0.7	W35A	Tecumseh	32.91 306	P	P	23 52 28.6 -1.2	RLMT	Red Lodge	45.04 315	P	P	23 54 13.5 -0.6
344A	Westbrook Farm	26.79 303	P	P	23 51 37.4 +1.1	W35A	Tecumseh	32.91 306	eP	P	23 52 28.6 -1.2	RLMT	Red Lodge	45.04 315	eP	P	23 54 13.8 -0.4
VBMS	Vicksburg	26.91 304	P	P	23 51 38.4 +1.1	W35A	Tecumseh	32.91 306	eP	P	23 52 28.6 -1.2	JLU	Jordanale	45.32 309	eP	P	23 54 16.4 +0.4
244A	Avery, Jackson	26.97 304	P	P	23 51 38.0 +0.1	S36A	Lake Cedric, C	32.97 311	P	P	23 52 30.1 -0.8	MPU	Maple Canyon	45.52 308	eP	P	23 54 16.4 +0.4
W45A	Hickory Valley	27.20 311	P	P	23 51 42.5 +2.5	LNIG	Linares	33.03 286	eP	P	23 52 30.9 -0.7	TCUT	Toone Canyon	45.62 309	eP	P	23 54 17.2 +0.4
143A	Soos Landing,	27.78 305	P	P	23 51 46.0 +0.8	OK02	N3440 Road, Me	33.05 306	eP	P	23 52 31.4 -0.3	CPUP	Villa Florida	45.65 171	P	P	23 54 14.8 -1.9
342A	Flagon Creek P	28.04 301	P	P	23 51 48.0 +0.5	H41A	Junction City	33.08 326	P	P	23 52 31.4 -0.3	CTU	Camp Tracy	45.77 309	eP	P	23 54 18.2 +0.4
S45A	Carrier Mills	28.12 316	P	P	23 51 47.6 -0.6	933A	Laredo	33.10 291	P	P	23 52 30.9 -0.9	REDW	Red Top Meadow	45.82 312	eP	P	23 54 18.2 -0.2
242A	Grayson	28.14 303	P	P	23 51 49.3 +0.9	K39A	Oelwein	33.11 321	P	P	23 52 31.2 -1.1	HWUT	Hardware Ranch	45.85 310	eP	P	23 54 18.1 -0.5
Z42A	Norrel Spar, H	28.43 305	P	P	23 51 50.3 -0.6	I40A	Norwalk	33.12 324	P	P	23 52 31.3 -0.9	MOOW	Moose Ponds	45.86 313	eP	P	23 54 21.0 +2.4
Y42A	Garnett, Star	28.53 307	P	P	23 51 52.7 +0.9	NNA	Nana	33.24 203	P	P	23 52 31.9 -1.7	LCMT	Little Creek M	46.19 303	eP	P	23 54 21.7 +0.4
R44A	Waltonville	28.77 317	P	P	23 51 53.3 -0.6	T35A	Sooner Cattle	33.30 309	P	P	23 52 32.8 -1.1	CCUT	Clifty	46.37 303	eP	P	23 54 22.3 -0.4
433A	Fulton Ridge,	29.06 315	P	P	23 51 56.0 -0.5	S35A	Otter Creek Ra	33.47 310	P	P	23 52 35.3 -0.1	DUG	Dugway, Tooele	46.45 308	P	P	23 54 21.6 -1.6
V42A	Cord	29.09 310	P	P	23 51 56.5 -0.3	H40A	Chili	33.47 325	P	P	23 52 34.7 -0.6	DUG	Dugway, Tooele	46.45 308	eP	P	23 54 23.5 +0.3
CMIG	Mattias Romero	29.10 271	P	P	23 51 54.0 -3.0	P36A	God Intent, A	33.56 314	P	P	23 52 34.9 -1.2	YHB	Horse Butte	46.47 314	eP	P	23 54 25.1 +1.6
P44A	Sand Creek, Wi	29.20 319	P	P	23 51 57.6 0.0	O36A	Bolkow	33.64 315	P	P	23 52 35.6 -1.2	OLMT	Old Snake Lak	46.66 314	eP	P	23 54 25.9 +1.1
140A	Cam and Jess,	29.47 303	P	P	23 52 00.7 +0.6	Q35A	Mercer Eighty,	33.78 312	P	P	23 52 36.8 -1.3	BGU	Big Grassy Mou	46.76 309	eP	P	23 54 25.9 +0.2
ATAH	Atahualpa	29.51 209	P	P	23 52 00.1 -1.0	G40A	Rib Lake	33.80 326	P								



ASAR comp=Z,0.8nm,0.9s,baz=54,slow=1.3,SNR=2.1
Alice Springs 162.26 252 PKPab PKPab 00 08 15.5 -0.2

NEIC 12 23:49:10.0,0.0, 19:19N:64.17W, h46km, MD3.5(RSPR),
After RSPR.
RSPR 12 23:49:10.0, 19:19N:64.17W, h46km, 7km, MD3.5/6,
10C-9D, Virgin Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like ANEGADA, TORTOLA, SAINT THOMAS, etc.

SJA 13 00:01:31.7,0.3, 23:29S:66.38W, h267km, 3km, ML4.9,
MM4.0
SCB 13 00:01:32.6,0.5, 23:23S:66.86W, h195km, ML4.2/2, Error
ellipse: s-maj=12.5km s-min=6.3km az=33.0

NEIC 13 00:01:34.1,0.2, 23:38S:0.02:66.73W, 0.0, h131km, 2km,
mb4.6/137, Error ellipse: s-maj=4.7km s-min=2.9km
az=168.1

NEIC Felt [I] at Tocopilla, Chile.
IDC 13 00:01:34.8,0.8, 23:25S:66.62W, h199km, 6km, mb4.1/15,
mb1.4, 1/21, mb1mx4.0/36, mbtmp4.6/21, Error ellipse:
s-maj=10.7km s-min=9.6km az=60.0

BUI 13 00:01:35.9, 23:30S:66.60W, h199km, MB5.0/12
GUC 13 00:01:36.6,0.5, 23:36S:67.21W, h229km, 12km, ML5.2
ISC 13 00:01:35.0,0.6, 23:37S:0.04:66.79W, 0.04, h0.5km, 5km,
n469, r1813/510, mb4.7/137, 13C-2D, Jujuy Province

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like HUMAHUACA, YAVI, SAN LORENZO, etc.

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like NANA, NANA, TRQA, etc.

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like Y38A, MIAR, MIAR, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like SFIN Lafayette, T35A Sooner Cattle, S37A Fort Scott, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like S22A 4UR Ranch, Q24A Divide, OGNE Ogalla, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like MOOV Moose Ponds, FXWY Fox Creek, IMW Indian Meadow, etc.





TXAR	Lajitas Array	67.23	40	P	P	01 15 11.9	-0.5
	0.7nm, 0.8s, baz=22, slow=5.0, SNR=6.6						
TORD	Torodi Ar. Bea	80.87	298	P	P	01 16 31.6	-0.5
	0.5nm, 0.8s, baz=354, slow=7.5, SNR=3.7						
<p>ATH 13 01:05:00.9, 38°49N-25°59E, h30km, 1km, ML3, 7/13, Error ellipse: s-maj=1.7km s-min=0.5km az=71.0</p> <p>ISK 13 01:05:00.2, 38°47N-25°50E, h9km, ML3.9</p> <p>IDC 13 01:05:00.7, 1.1, 38°44N-25°53E, h10km, ML3.7, Error ellipse: s-maj=1.7km s-min=1.6km az=123.0</p> <p>THE 13 01:05:02.4, 38°50N-25°56E, h18km, 1km, ML3.9/13, Error ellipse: s-maj=1.3km s-min=0.5km az=103.0</p> <p>ISC 13 01:05:02.0, 1.0, 38°48N-02°25.57E, h11km, 7km, n344, 0.97/412, mb3.8/4, 21C-26D, Aegean Sea</p>							
Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	
CHOS	Chios island	0.40	104	Op P	01 05 10.2	ISC	
CHOS	Chios island	0.40	104	eSg P	01 05 15.3	+0.4	
CHOS	Chios island	0.40	104	P	01 05 10.0	+0.2	
CHOS	Chios island	0.40	104	S	01 05 15.0	0.0	
CHOS	Chios island	0.40	104	AML	01 05 15.8		
<p>comp=N, 13992μm, 0.2s</p> <p>comp=E, 21027μm, 0.5s</p>							
CHOS	Chios island	0.40	104	P	01 05 09.8	0.0	
CHOS	Chios island	0.40	104	eP	01 05 10.2	+0.4	
CHOS	Chios island	0.40	104	Pg	01 05 15.0	0.0	
CHOS	Chios island	0.40	104	Sg	01 05 09.8	0.0	
CHOS	Chios island	0.40	104	S	01 05 15.6	+0.5	
CESE	e me	0.59	105	eP	01 05 12.8	-0.7	
CESE	e me	0.59	105	eP	01 05 12.8	-0.7	
SIGR	SIGRI	0.76	17	eP	01 05 16.0	-0.7	
SIGR	SIGRI	0.76	17	eSg	01 05 27.6	+1.1	
SIGR	SIGRI	0.76	17	S	01 05 25.9	-0.7	
SIGR	SIGRI	0.76	17	P	01 05 29.1		
<p>comp=E, 27560μm, 0.7s</p> <p>comp=N, 31442μm, 0.7s</p>							
MLH	SIGRI	0.76	17	eP	01 05 16.0	-0.7	
SIGR	SIGRI	0.76	17	eSg	01 05 25.9	-0.7	
SIGR	SIGRI	0.76	17	P	01 05 27.2	-0.4	
SIGR	SIGRI	0.76	17	S	01 05 15.8	-0.9	
SIGR	SIGRI	0.76	17	S	01 05 15.8	-0.9	
ZEY	zmir	0.78	108	iP	01 05 17.0	+0.1	
ZEY	zmir	0.78	108	iS	01 05 27.5	+0.4	
URLA	Izmir	0.82	98	eP	01 05 17.7	-0.1	
URLA	Izmir	0.82	98	iP	01 05 17.6	-0.1	
URLA	Izmir	0.82	98	iS	01 05 30.1	+0.9	
URLA	Izmir	0.82	98	S	01 05 20.0	-0.1	
FOCM	Fo'şa	0.94	75	eP	01 05 20.0	-0.1	
FOCM	Fo'şa	0.94	75	eP	01 05 18.8	-1.3	
PRK	Paraskevi	0.94	36	P	01 05 36.4	-1.0	
PRK	Paraskevi	0.94	36	AML	01 05 36.4	-1.0	
<p>comp=E, 19993μm, 0.7s</p> <p>comp=N, 18570μm, 0.8s</p>							
PRK	Paraskevi	0.94	36	P	01 05 18.9	-1.2	
PRK	Paraskevi	0.94	36	S	01 05 32.5	+0.2	
PRK	Paraskevi	0.94	36	Pg	01 05 18.9	-1.2	
PRK	Paraskevi	0.94	36	Sg	01 05 32.5	+0.2	
PRK	Paraskevi	0.94	36	Pb	01 05 21.1	-0.1	
KARY	Karystos	1.00	244	P	01 05 21.1	-0.1	
KARY	Karystos	1.00	244	S	01 05 34.4	+0.3	
KARY	Karystos	1.00	244	P	01 05 21.1	-0.1	
KARY	Karystos	1.00	244	S	01 05 34.4	+0.3	
CAND	Candari	1.07	64	eP	01 05 22.5	-0.1	
DGB	Zmir	1.12	112	iP	01 05 22.9	-0.4	
DGB	Zmir	1.12	112	iS	01 05 37.6	-0.3	
DKL	Dikili	1.20	60	eP	01 05 23.7	-0.9	
DKL	Dikili	1.20	60	eP	01 05 23.7	-0.9	
AYVA	Ayvalik	1.20	46	iP	01 05 23.2	-1.5	
AYVA	Ayvalik	1.20	46	iS	01 05 40.0	-0.3	
AYVA	Ayvalik	1.20	46	P	01 05 23.2	-1.5	
AYVA	Ayvalik	1.20	46	Sb	01 05 40.0	-0.3	
SMG	Samos	1.27	127	S	01 05 39.9	-2.2	
SMG	Samos	1.27	127	AML	01 05 44.4		
<p>comp=N, 5877μm, 0.6s</p> <p>comp=E, 3985μm, 0.5s</p>							
SMG	Samos	1.27	127	P	01 05 25.3	-0.3	
SMG	Samos	1.27	127	S	01 05 40.6	-1.5	
SMG	Samos	1.27	127	P	01 05 24.8	-0.8	
SMG	Samos	1.27	127	Sb	01 05 40.6	-1.5	
DEKA	Eretria	1.29	268	S	01 05 23.7	-0.9	
ERE	Eretria	1.29	268	S	01 05 41.6	-1.1	
ERE	Eretria	1.29	268	Sb	01 05 25.1	-0.8	
ERE	Eretria	1.29	268	S	01 05 41.6	-1.1	
ERE	Eretria	1.29	268	Sb	01 05 25.1	-0.8	
PTL	Penteli	1.41	253	P	01 05 26.8	-0.8	
PTL	Penteli	1.41	253	S	01 05 44.0	-2.1	
<p>comp=N, 3313μm, 0.6s</p> <p>comp=E, 2915μm, 0.5s</p>							
PTL	Penteli	1.41	253	P	01 05 26.8	-0.8	
PTL	Penteli	1.41	253	S	01 05 44.9	-1.2	
PTL	Penteli	1.41	253	P	01 05 26.7	-0.8	
PTL	Penteli	1.41	253	S	01 05 44.9	-1.2	
APE	Apeiranthos	1.41	181	eP	01 05 26.1	-1.5	
APE	Apeiranthos	1.41	181	iP	01 05 26.1	-1.5	
APE	Apeiranthos	1.41	181	S	01 05 45.6	-0.6	
APE	Apeiranthos	1.41	181	S	01 05 26.3	-1.4	
APE	Apeiranthos	1.41	181	AML	01 05 48.7		
<p>comp=E, 4861μm, 0.6s</p> <p>comp=N, 3905μm, 0.4s</p>							
APE	Apeiranthos	1.41	181	eP	01 05 26.1	-1.5	
APE	Apeiranthos	1.41	181	P	01 05 26.4	-1.2	
APE	Apeiranthos	1.41	181	P	01 05 26.4	-1.2	
APE	Apeiranthos	1.41	181	S	01 05 45.7	-0.5	
APE	Apeiranthos	1.41	181	S	01 05 26.5	-1.5	
LIA	Limnos Island	1.44	348	P	01 05 44.5	-2.4	
LIA	Limnos Island	1.44	348	AML	01 05 45.7		
<p>comp=E, 6857μm, 0.5s</p> <p>comp=N, 4142μm, 0.7s</p>							
LIA	Limnos Island	1.44	348	P	01 05 26.8	-1.2	
LIA	Limnos Island	1.44	348	S	01 05 26.8	-1.2	
LIA	Limnos Island	1.44	348	P	01 05 46.3	-0.7	
LIA	Limnos Island	1.44	348	S	01 05 27.8	-0.5	
EZN	Ezine	1.47	23	eP	01 05 26.9	-1.4	
EZN	Ezine	1.47	23	eP	01 05 27.8	-0.5	
EZN	Ezine	1.47	23	P	01 05 46.5	-1.0	
EZN	Ezine	1.47	23	S	01 05 26.9	-1.4	
EZN	Ezine	1.47	23	S	01 05 46.5	-1.0	
BAYC	CANAKKALE_Bayr	1.47	31	iP	01 05 26.9	-1.5	
BAYC	CANAKKALE_Bayr	1.47	31	P	01 05 47.7	0.0	
BAYC	CANAKKALE_Bayr	1.47	31	S	01 05 26.9	-1.5	
BAYC	CANAKKALE_Bayr	1.47	31	S	01 05 47.7	0.0	
KUSD	Kusadasi-Aydin	1.49	114	eP	01 05 28.6	-0.1	
KUSD	Kusadasi-Aydin	1.49	114	eP	01 05 28.6	-0.1	
KUSD	Kusadasi-Aydin	1.49	114	P	01 05 27.1	-1.6	
ATHU	ATHU	1.50	250	S	01 05 48.6	+0.3	
ATHU	ATHU	1.50	250	AML	01 05 51.5		
<p>comp=N, 1170μm, 0.7s</p> <p>comp=E, 611μm, 0.4s</p>							
ATHU	ATHU	1.50	250	P	01 05 27.4	-1.4	
ATHU	ATHU	1.50	250	P	01 05 46.2	-2.1	
ATHU	ATHU	1.50	250	S	01 05 28.7	-0.5	
GCAM	G?zelcaml?	1.53	120	iP	01 05 50.4	-0.7	
GCAM	G?zelcaml?	1.53	120	S	01 05 28.7	-0.5	
GCAM	G?zelcaml?	1.53	120	Sg	01 05 50.4	-0.7	

VLY	Voula, Athens	1.53	246	P	Pn	01 05 28.5	-0.7
VLY	Voula, Athens	1.53	246	P	S	01 05 28.5	-0.7
VLY	Voula, Athens	1.53	246	P	S	01 05 47.7	-1.5
VLY	Voula, Athens	1.53	246	P	S	01 05 28.5	-0.7
VLY	Voula, Athens	1.53	246	P	S	01 05 47.7	-1.5
ATH	Athens Observa	1.54	251	S	Pn	01 05 49.4	-0.1
ATH	Athens Observa	1.54	251	S	AML	01 05 54.2	
<p>comp=E, 2245μm, 0.3s</p> <p>comp=N, 3316μm, 0.9s</p>							
ATH	Athens Observa	1.54	251	P	Pn	01 05 28.7	-0.7
ATH	Athens Observa	1.54	251	P	Pn	01 05 49.3	-0.1
ATH	Athens Observa	1.54	251	P	Pn	01 05 28.7	-0.7
ATH	Athens Observa	1.54	251	P	Pn	01 05 49.3	-0.1
SERIF	Serifos	1.57	213	P	Pn	01 05 28.7	-1.2
SERIF	Serifos	1.57	213	P	Pn	01 05 28.7	-1.2
GADA	Gvkgeada	1.73	8	eP	Pn	01 05 31.6	-0.3
GADA	Gvkgeada	1.73	8	eP	Pn	01 05 30.7	-1.2
GADA	Gvkgeada	1.73	8	eP	Pn	01 05 31.6	-0.3
GADA	Gvkgeada	1.73	8	S	Pn	01 05 52.1	-1.8
GADA	Gvkgeada	1.73	8	S	Pn	01 05 52.1	-1.8
SKIA	Skiathos	1.78	293	P	Pn	01 05 32.3	-0.3
SKIA	Skiathos	1.78	293	P	Pn	01 05 56.1	+0.9
SKIA	Skiathos	1.78	293	P	AML	01 06 01.7	
<p>comp=N, 2387μm, 1.0s</p> <p>comp=E, 2130μm, 0.5s</p>							
SKIA	Skiathos	1.78	293	P	Pn	01 05 32.1	-0.5
SKIA	Skiathos	1.78	293	P	Pn	01 05 56.1	+0.9
AKS	Akhisar	1.80	77	eP	Pn	01 05 33.5	+0.5
AKS	Akhisar	1.80	77	eP	Pn	01 05 33.5	+0.5
AKS	Akhisar	1.80	77	iP	Pn	01 05 32.1	-0.9
AKS	Akhisar	1.80	77	iP	Pn	01 06 04.0	+0.5
AKS	Akhisar	1.80	77	S	Pn	01 05 32.1	-0.9
VILL	Villia	1.80	261	P	Pn	01 05 32.5	-0.5
VILL	Villia	1.80	261	P	Pn	01 05 32.5	-0.5
VILL	Villia	1.80	261	P	Pn	01 05 32.5	-0.5
SMIA	Smia	1.89	283	P	Pn	01 05 33.8	-0.4
SMIA	Smia	1.89	283	P	Pn	01 05 33.8	-0.4
MHLA	Plaka, Milos I	1.96	208	P	Pn	01 05 38.0	-1.1
MHLA	Plaka, Milos I	1.96	208	P	AML	01 06 05.8	
<p>comp</p>							





Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Cannon Point, Paruwai Farm, Moikau Station, etc.

NAM 13 01:32:21.058,0.27,91S,23.87E,h127km,99gkm,MD3.0
ISCJB 13 01:33:04.3,0.7,28.66S,0.05,20.42E,0.04,h11km,5km,
Error ellipse: s-maj=7.8km s-min=5.4km az=170.3

PRE 13 01:33:04.5,1.4,28.66S,20.42E,h5km,ML3.2
ISC 13 01:33:04.3,1.4,28.71S,20.05,20.43E,0.03,h3km,11km,

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

NNC 13 01:56:40.1,2.9,39.05N,72.09E,h0km,mb3.1,mpv2.7,
Error ellipse: s-maj=28.6km s-min=9.5km az=137.0
KRNET 13 01:56:41.9,0.1,39.02N,71.63E,mb2.7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Batken, Sufi-Kurgan, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KK31, TKM2, etc.

ISK 13 02:11:56.2,38.69N,43.20E,h24km,MD2.6
CSEM 13 02:11:56.3,0.2,38.67N,43.23E,h30km,MD2.6,Error
ellipse: s-maj=6.0km s-min=5.3km az=68.0

ISCJB 13 02:11:57.0,0.3,38.72N,0.04,43.23E,0.05,h5km,8km,
Error ellipse: s-maj=7.2km s-min=5.9km az=61.1
DDA 13 02:11:57.1,38.76N,43.28E,h6km,MD2.9

ISC 13 02:11:57.2,1.1,38.70N,0.03,43.23E,0.04,h26km,7km,

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

IDC 13 02:15:46.8,0.5,2.87N,126.38E,h0km,mb4.4/27,
mb1.4/27,mb1mx4.3/56,mbtmp4.2/7,MS3.2/9,
MS1.3/29,ms1mx3.0/33,Error ellipse: s-maj=23.1km
s-min=11.3km az=79.0

DJA 13 02:15:54.2,0.4,3°N,4°E,44km,24km,M4.8/10,
mb4.8/10,mb5.1/8,ML5.0/9,Mw(mb)4.5/8
ISCJB 13 02:15:55.3,0.2,2.91N,0.02,126.61E,0.03,h83km,
mb4.4/56,Error ellipse: s-maj=4.4km s-min=3.0km
az=171.5

NEIC 13 02:15:57.0,0.7,2.89N,126.58E,h83km,6km,mb4.5/30,
Error ellipse: s-maj=6.3km s-min=3.8km az=60.0
ISC 13 02:15:57.2,0.2,2.91N,0.04,126.61E,0.05,h89km,n120,
=1869/140,mb4.5/56,6C-2D,Northern Molucca Sea

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

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



Table with columns: Call sign, Station name, Frequency, Mode, and other technical details. Includes stations like CPWZ Castlepoint, CNGZ Carnagh Statio, DUVW D'Urville Isla, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and other technical details. Includes stations like JFJ Kawauchi, JNK Iwakimizuishiy, JMM Marumori, etc.

MOS 13 03:08:34.8-0.54:57N:162:69W, h19km, mb4 8/55, Error ellipse: s-maj=10.7km s-min=4.8km az=85.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and other technical details. Includes stations like DRIA Fears Island, FALS Dease Pass, ISLZ Isanotski Laza, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and other technical details. Includes stations like AKSA Akutan Strait, AKUT Akutan, AKLV Akutan Long Va, etc.

IDC 13 03:03:38.0-47.0, 1622S-175:93W, h0km, mb4.1/3, mb 1.4, 3.3, mb1mx3.6/4.1, mbtmp4.1/3, Error ellipse: s-maj=582.5km s-min=174.8km az=78.0, Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and other technical details. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, etc.

ISCJB 13 03:04:14.9-0.7, 39:04N:0:04-43:73E:0:07, h14km, 8km, Error ellipse: s-maj=9.2km s-min=2.7km az=158.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and other technical details. Includes stations like PMR Palmer, MID Middleton Isla, GAMB Gambell, etc.

Table with columns: Call sign, Station name, Frequency, Mode, and other technical details. Includes stations like ILAR comp=Z, 1.0nm, 0.3s, ILB Eielson Array, DOT Dot Lake, etc.



Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DGS Degeres, AML Almayush, UZB Uzunbulak, etc.

ISCJB 13 03:13:34.2±1.2, 17.5S;0.4;178.7W;0.3, h547km, mb3.9/8, Error ellipse: s-maj=56.9km s-min=15.9km az=147.8

ISC 13 03:13:34.7±1.3, 17.6S;0.4;178.6W;0.2, h547km, n10, Error ellipse: s-maj=53.0km s-min=25.7km az=142.0

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, STA Charters Tower, etc.

IDC 13 03:15:14.3±0.5, 55.47S;125.03W, h0km, mb4.5/13, mb1 4.6/13, mb1mx4.5/22, mbtmp4.5/13, MS4.9/16, Ms1 4.9/16, ms1mx4.8/18, Error ellipse: s-maj=20.7km s-min=14.7km az=162.0

ISCJB 13 03:15:14.7±0.3, 55.59S;0.06;124.9W;0.1, h10km, mb5.0/39, MS5.1/111, Error ellipse: s-maj=8.7km s-min=7.8km az=139.5

MOS 13 03:15:15.6±1.6, 55.60S;125.00W, h11km, mb5.2/15, MS5.1/13, Error ellipse: s-maj=24.7km s-min=15.5km az=78.7

NEIC 13 03:15:16.4±0.2, 55.51S;125.02W, h10km, mb5.2/29, MS5.1/92, Error ellipse: s-maj=10.4km s-min=6.5km az=153.0

BUI 13 03:15:16.5±0.5, 55.50S;124.90W, h10km, mb5.4/14, MS5.3/13, Ms7 5.0/13

GCMT 13 03:15:16.4±0.1, 55.63S;124.98W, h13km, MW5.4/125, Moment Tensor Solution, s104,c172; s125,c214; Duration: 1±2 Moment tensor: Scale 10^17Nm; Mn-0.09±0.02; Mtt-1.05±0.02; Mbb-0.96±0.02; Mtt-0.13±0.04; Mtt-1.33±0.02; Mtt-0.08±0.04; Best double couple: Mtt-1.67400±0.107 NPT±109.00000°, δ89.00000°, λ-5.00000°. NP2±199.00000°, δ85.00000°, λ-1.79.00000°. Principal axes: T 1.7160, P1g3.0000°, Azm154.0000°; N -0.0850, P1g85.0000°, Azm279.0000°; P -1.6320, P1g4.0000°, Azm63.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 13 03:15:16.4±0.3, 55.46S;0.08;124.86W;0.07, h10km, n270, s131/181, mb5.1/39, MS5.1/112, SC, Southern East Pacific Rise

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PMSA Palmer Station, VNSA Vanda, RKT Rikitea, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PPT2 comp=Z,3um,26.5s, PPT2 Papeete2, RAR Rarotonga, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PMG Port Moresby, KIP Kipapa, MTJU Mount Denham, etc.



ISC 13 03:33:06.1-0.9,38.43N,0.02,43.02E,0.02,h5km,6km, n79, c159/95, 7C-7D, Turkey

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

KURBB Kurchatov Arra 14.91 20 P P 03 43 21.8 +0.8

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

AZER 13 03:43:47.4-1.5, 37.16N, 42.21E, h12km, 46km, Error ellipse: s-maj=51.3km s-min=11.1km az=54.0

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

ISC 13 03:44:01.0-1.3, 38.46N, 43.02E, h14km, ML.3

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

ISC 13 03:44:01.3-0.8, 38.41N, 43.01E, h7km, 6km, n123, c185/149, mb3.4/5, 16C-23D, Turkey

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

ISC 13 03:44:56.3-4.3, 37.46N, 42.05E, h17km, 22km, n22, c159/24, mb3.6/3, Near east coast of eastern Honshu

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

QBL Gabala 4.50 54 P Pn 03 45 13.0 +3.0

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

comp=2.148m, 18.4s, baz=199, slow=41

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

comp=2.187m, 18.9s, baz=60, slow=40

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

comp=2.63m, 20.7s, baz=130, slow=36

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

NIED 13 03:44:00.37, 40N, 141.90E, h23km, Mw3.5 Best double couple: Mo1.84000e+1014 Np1.8e176.00000, s52.00000, z-164.00000, NP2.7e76.00000, 877.00000, z-39.00000

ISC 13 03:44:53.4-1.3, 37.36N, 142.17E, h0km, mb3.5/3, mb1.3/7.6, mb1mx3.4/49, mbtmp3.6/6, ML3.3/3, Error ellipse: s-maj=32.1km s-min=21.5km az=117.0

JMA 13 03:44:56.1-0.2, 37.45N, 141.93E, h17km, 3km, M4.0

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

ISC 13 03:45:02.1-0.0, 19.21N, 64.26W, h40km, MD3.5(RSPR)

RSPR 13 03:45:02.1, 19.21N, 64.26W, h40km, 5km, MD3.5/11

ISC 13 03:45:02.9-3.8, 19.1N, 0.1-64.3W, 0.2, h43km, 28km, n42, c057/65, 14C-21D, Virgin Islands

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

NNC 13 03:39:55.1-2.2, 36.78N, 70.67E, h147km, 20km, mb2.8, mpv3.5, Error ellipse: s-maj=19.5km s-min=12.2km az=157.0

IDC 13 03:39:59.7-5.8, 36.89N, 70.95E, h159km, 45km, mb1.3/2.6, mb1mx2.8/62, mbtmp3.8/6, Error ellipse: s-maj=77.7km s-min=23.2km az=150.0

ISC 13 03:39:56.1-2.3, 36.83N, 70.66E, h150km, n18, c154/25, 7C-7D, Hindu Kush region

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

SENK Senkaya-Erzuru 2.21 347 ePN Pn 03 44 38.9 +0.2

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

ISC 13 03:45:02.1-0.0, 19.21N, 64.26W, h40km, MD3.5(RSPR)

RSPR 13 03:45:02.1, 19.21N, 64.26W, h40km, 5km, MD3.5/11

ISC 13 03:45:02.9-3.8, 19.1N, 0.1-64.3W, 0.2, h43km, 28km, n42, c057/65, 14C-21D, Virgin Islands

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

NEIC 13 03:45:02.1-0.0, 19.21N, 64.26W, h40km, MD3.5(RSPR)

RSPR 13 03:45:02.1, 19.21N, 64.26W, h40km, 5km, MD3.5/11

ISC 13 03:45:02.9-3.8, 19.1N, 0.1-64.3W, 0.2, h43km, 28km, n42, c057/65, 14C-21D, Virgin Islands

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





Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ENA Nanau, JYNG Yonagunijimaku, TWC Suao, etc.

ISC 13 04:40:52.8, 38.73N:43.24E, h5km, MD2.6
CSEM 13 04:40:54.6, 0.3, 38.72N:43.29E, h2km, MD2.6, Error
ellipse: s-maj=8.0km s-min=5.1km az=79.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VANB Van, YANB Van, TVAN Van, etc.

ISCJB 13 04:45:50.7, 0.4, 29.71S:0.03:176.03W:0.07, h28km,
mb4.8/46, MS4.0/11, Error ellipse: s-maj=8.6km
s-min=4.3km az=15.5
BUJ 13 04:45:50.0, 29.05S:175.58W, h20km, mb5.3/11, mB5.5/6,
Ms5.1/10, Ms7.4/9/6
NEIC 13 04:45:54.0, 1.4, 29.29S:176.09W, h36km, mb4.8/30,
Error ellipse: s-maj=12.5km s-min=9.3km az=77.0
IDC 13 04:46:00.1, 2.1, 29.18S:176.41W, h7km, mb4.2/15,
mb1.4/3/15, mb1mx4.3/28, mbtmp4.5/15, MS3.7/10,
Ms1.3/7/10, mb1mx3.5/32, Error ellipse: s-maj=21.3km
s-min=17.2km az=53.3

Main table for 2011 NOV with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like RAO Raoul Island, RAO Raoul Island, RAO Raoul Island, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KSRK Kosa Array, KSRK Kosa Array, KSRK Kosa Array, etc.

ISK 13 05:06:52.0, 38.61N:43.13E, h13km, MD2.6
ISCJB 13 05:06:53.8, 0.8, 38.64N:0.04:43.20E:0.05, h12km, 9km,
Error ellipse: s-maj=6.6km s-min=6.0km az=151.1
CSEM 13 05:06:53.1, 0.3, 38.61N:43.18E, h10km, ML2.7, Error
ellipse: s-maj=7.1km s-min=5.4km az=42.0
DDA 13 05:06:53.3, 38.62N:43.23E, h7km, ML2.7
ISC 13 05:05:53.1, 2.38, 62N:0.03:43.19E:0.03, h16km, 9km,
n14, c#6727, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VANB Van, YANB Van, TVAN Van, etc.

ISCJB 13 05:23:52.1, 0.7, 50.73N:0.04:0.79W:0.06, h21km, 9km,
Error ellipse: s-maj=7.5km s-min=4.0km az=135.9
CSEM 13 05:23:52.4, 0.1, 50.77N:0.79W, h15km, ML2.4/12, Error
ellipse: s-maj=3.8km s-min=2.2km az=65.0
LDG 13 05:23:52.5, 0.1, 50.85N:0.78W, h10km, MD2.5/3, ML2.4/13,
Error ellipse: s-maj=3.0km s-min=2.0km az=63.0
BGS 13 05:23:53.3, 0.7, 50.79N:0.79W, h7km, 12km, ML1.7
ISC 13 05:23:51.9, 1.0, 50.78N:0.02:0.74W:0.02, h17km, 8km,
n70, c#117118, United Kingdom



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

ISCJB 13 06:29:09.0, 3.6, 03N, 0104.81, 05E, 0.08, h10km, mb3.8/13, MS3.3/2, Error ellipse: s-maj=9.9km

IDC 13 06:29:10.2, 0.7, 35, 82N, 80.73E, h0km, mb3.8/13, mb1.4/0.17, mb1mx3.8/52, mbtmp3.9/17, ML4.1/3, MS3.2/3, Ms1.3/2.3, ms1mx2.7/51, Error ellipse: s-maj=21.6km

BUIJ 13 06:29:11.8, 35.98N, 80.72E, h6km, mb4.0/1, ML4.0/1, Error ellipse: s-maj=20.1km s-min=9.4km az=51.0

MOS 13 06:29:12.3, 1.4, 36, 08N, 81.13E, h26km, mb4.0/9, Error ellipse: s-maj=19.7km s-min=6.6km az=107.6

NCC 13 06:29:13.4, 4.2, 36, 22N, 81.17E, h0km, mb4.3, mpv4.1, Error ellipse: s-maj=36.6km s-min=28.5km az=125.0

ISC 13 06:29:12.3, 0.6, 36, 05N, 006.81, 01E, 0.07, h10km, n57, 0.192/64, mb3.9/13, 8C-10D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KSH Kashi, PDGK Podgoreya, PDGK 30m, 0.4s, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BVAO Borovoye Array, BRVK Borovoye, AKBAR Akbulak array, etc.

ISCJB 13 06:33:05.7, 0.9, 5, 45S, 01.1, 153, 6E, 0.1, h43km, mb3.8/7, Error ellipse: s-maj=18.1km s-min=11.9km az=137.3

IDC 13 06:33:12.7, 4.6, 5, 52S, 153, 42E, h92km, 39km, mb3.6/8, mb1.3/8/10, mb1mx3.5/50, mbtmp4.0/10, Error ellipse: s-maj=27.6km s-min=23.5km az=55.0

ISC 13 06:33:07.1, 1.1, 5, 35S, 01.1, 153, 6E, 0.1, h43km, n11, 0.183/112, mb3.0/7, New Ireland region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PMG Port Moresby, CTA Chertow, DZM Dzumac, etc.

IDC 13 06:44:03.0, 6.0, 20, 00S, 176.11W, h0km, mb3.9/2, mb1.4/2/2, mb1mx3.6/33, mbtmp3.9/2, Error ellipse: s-maj=347.5km s-min=46.0km az=151.0, Fiji Islands region

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

IDC 13 06:44:10.3, 2.0, 50, 62N, 172.71W, h0km, mb3.9/6, mb1.4/0.7, mb1mx3.6/54, mbtmp3.8/7, ML3.8/1, Error ellipse: s-maj=55.6km s-min=23.2km az=9.0, Andreanof islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ILAR Eielson Array, INK Inuvik, PDAR Pinedale Array, etc.

ISCJB 13 06:56:14.9, 1.4, 5, 05S, 01.1, 146, 3E, 0.2, h27km, mb3.9/4, Error ellipse: s-maj=27.6km s-min=14.0km az=166.7

IDC 13 06:56:20.5, 6.9, 4, 96S, 146, 09E, h62km, 65km, mb3.7/4, mb1.3/9/6, mb1mx3.4/30, mbtmp4.0/6, ML4.1/1, Error ellipse: s-maj=83.3km s-min=31.3km az=137.0

ISC 13 06:56:16.3, 1.6, 8, 05S, 01.1, 146, 2E, 0.2, h27km, n6, 0.05/56/6, mb3.9/4, Eastern New Guinea region

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

ISCJB 13 07:06:29.6, 0.5, 6, 83N, 0104.73, 12W, 0.05, h156km, 5km, mb2.0/2, Error ellipse: s-maj=2.8km s-min=5.6km az=35.4

IDC 13 07:06:29.6, 0.5, 6, 83N, 0104.73, 13W, h148km, 15km, mb2.0/2, mb1.3/4/5, mb1mx3.1/30, mbtmp3.6/5, Error ellipse: s-maj=36.6km s-min=7.6km az=133.0

RSNC 13 07:06:31.6, 1.0, 6, 78N, 73, 13W, h144km, 5km, ML3.4

ISC 13 07:06:29.7, 0.9, 6, 82N, 0105.73, 10W, 0.06, h154km, 6km, n26, 0.083/34, 2C, Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BTLC Betulia, Santa, BARC Barichara, PAMC Pamplona, Colo, etc.

ISCJB 13 07:13:16.5, 1.0, 11, 55N, 0106.74, 58W, 0.05, h33km, mb3.6/8, Error ellipse: s-maj=10.1km s-min=6.0km

RSNC 13 07:13:18.3, 0.8, 11, 44N, 74, 55W, h16km, 16km, ML3.6

IDC 13 07:13:25.6, 4.2, 11, 43N, 74, 16W, h89km, 34km, mb3.4/3, mb1.3/6/7, mb1mx3.3/35, mbtmp3.9/7, Error ellipse: s-maj=35.9km s-min=24.2km az=160.0

ISC 13 07:13:18.2, 1.0, 11, 51N, 0108.74, 58W, 0.07, h35km, n16, 0.087/23, mb3.6/3, 2C, Near north coast of Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SJCC San Jacinto, SJCC Agust'n Codaz, URIC Uribia, etc.

ISCJB 13 07:19:21.6, 0.7, 18, 81N, 121, 33E, h0km, mb3.7/13, mb1.3/9/15, mb1mx3.8/45, mbtmp3.8/15, ML3.8/2, MS3.4/9, Ms1.3/5.9, ms1mx3.1/52, Error ellipse: s-maj=21.8km

NEIC 13 07:19:26.5, 0.4, 18, 84N, 121, 29E, h35km, mb4.1/4, Error ellipse: s-maj=10.7km s-min=7.0km az=95.0

MAN 13 07:19:26.1, 9, 10N, 121, 04E, h30km, mb4.8, ML3.7, MS3.7

ISCJB 13 07:19:27.0, 4.0, 19, 12N, 02, 121, 13E, 0.06, h44km, 7km, mb3.7/16, MS3.4/8, Error ellipse: s-maj=10.0km s-min=4.0km az=179.0

ISC 13 07:19:27.2, 1.3, 19, 03N, 0104.121, 06E, 0.06, h32km, 11km, n7, 0.1873/46, mb3.7/15, MS3.5/8, Philippine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like APYP Conner, SGCP Mt. Cagua, SGCP Bolinao, etc.

ISCJB 13 07:19:27.2, 1.3, 19, 03N, 0104.121, 06E, 0.06, h32km, 11km, n7, 0.1873/46, mb3.7/15, MS3.5/8, Philippine Islands region

ISC 13 07:19:27.2, 1.3, 19, 03N, 0104.121, 06E, 0.06, h32km, 11km, n7, 0.1873/46, mb3.7/15, MS3.5/8, Philippine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like APYP Conner, SGCP Mt. Cagua, SGCP Bolinao, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NACB Ninganchiao, YHNB Yeheng, QIZ Qiongzong, etc.

DDA 13 07:37:51.7, 38.52N:44.63E, h7km, ML2.7
CSEM 13 07:37:52.0, 3.38, 51N:44.48E, h2km, ML2.6, Error
TEH 13 07:37:52.2, 38.51N:44.36E, h7km, ML2.6

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CLDR Caldiran, VMUR Van-Muradiye, etc.

IDC 13 07:39:10.0, 5.7, 28.52S:176.53W, h74km, 47km, mb3.7/3,
mb1 3.9/3, mb1mx3.5/25, mbtmp4.0/3, MS3.3/1, Ms1 3.3/1,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAO Raoul Island, STKA Stephens Creek, etc.

IDC 13 07:40:23.5, 1.8, 35.14S:73.99W, h0km, mb3.6/1,
mb1 3.8/3, mb1mx3.5/25, mbtmp3.5/3, ML3.6/2, MS2.3/1,
Ms1 3.1/1, ms1mx2.6/15, Error ellipse: s-maj=82.3km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like COCH Cobquecura, CCSP San Pedro de C, etc.

KRSC 13 07:55:18.4:10.0, 48.32N:156.26E, h6km, 10km, ML3.9,
East of Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, KDTR Khodutka, etc.

TEH 13 08:00:15.2, 28.15N:59.30E, h20km, ML4.6
IDC 13 08:00:15.3:0.6, 28.11N:59.05E, h0km, mb4.1/26,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CHMN Cheshme madani, KHKS Kohestak, etc.

CSEM 13 08:00:19.3:0.1, 1.3km s-min=5.9km az=103.0
IDC 13 08:00:19.3:0.1, 28.16N:59.03E, h20km, mb4.2/40, Error
ellipse: s-maj=6.1km s-min=4.1km az=101.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CHBR Chabahar, FRU Bishkek, etc.

HATD Hatta, Dubai
HATD Hatta, Dubai
NAZ Nazwa, Dubai

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAO Raoul Island, HATD Hatta, etc.

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FAQ Al Faqa, IBAF Bafgh, BIDO Bidbid, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

ISK 13 08:01:29.5, 38.62N, 43.38E, h3km, MD2.9
CSEM 13 08:01:31.3, 38.62N, 43.38E, h2km, MD2.9, Error
DDA 13 08:01:34.0, 38.62N, 43.38E, h7km, MD3.0
ISC 13 08:01:31.3, 1.4, 38.65N, 0.04, 43.45E, 0.05, h1km, 14km, n20, c074/26, Turkey

NNC 13 08:21:14.1, 8.1, 37.61N, 72.20E, h0km, mb3.6, mpv3.2, 4C-2D, Error ellipse: s-maj=66.7km s-min=29.3km az=150.0, Tajikistan

ISCJB 13 09:01:23.6, 0.5, 35.46N, 0.02, 96.87W, 0.03, h0km, 4km, Error ellipse: s-maj=3.5km s-min=2.7km az=14.2
NEIC 13 09:01:25.0, 0.0, 35.46N, 96.87W, h3km, ML2.5(TUL), After TUL

NEIC Felt at Meeker, Oklahoma City and Shawnee.
ISC 13 09:01:24.8, 1.0, 35.47N, 0.02, 96.87W, 0.02, h4km, 8km, n39, c086/64, Oklahoma

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like T34A, U37A, W36A, etc.

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

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

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

az=157.4

ISC 13 09:14:03.2.6.51.8N.0.3.173.6W.0.02,h74km,22km,n16, a154/12, Androanof Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Includes stations like ATKA, ATKA Island, KOFF, Korovin Flat P, KOSE, Korovin Southe, KOKL, Mount Kliuchef, KOKL, Korovin Volcan, ADK, Adak, PETK, Petropavlovsk-1.94 286, ILAR, Eielson Array, INK, Inuvik, H1N2, WAKE ISLAND Hy 35.52 213, H1N3, WAKE ISLAND Hy 35.53 213, H1N1, WAKE ISLAND Hy 35.54 213, H1S1, WAKE ISLAND Hy 36.72 212, H1S2, WAKE ISLAND Hy 36.74 212, H1S3, WAKE ISLAND Hy 36.74 212, TXAR, Lajitas Array.

ISK 13 09:23:48.5, 38.711N, 43.05E, h28km, MD2.6

ISCJB 13 09:23:51.0, 1.0, 38.85N, 0.05, 43.5E, 0.1, h17km, 9km, Error ellipse: s-maj=2.4km s-min=2.2km az=39.0

CSEM 13 09:23:50.4, 0.5, 38.86N, 43.50E, h10km, MD2.6, Error ellipse: s-maj=15.5km s-min=9.9km az=93.0

DDA 13 09:23:50.5, 38.80N, 43.52E, h7km, MD2.6

ISC 13 09:23:50.6, 1.1, 38.84N, 0.03, 43.52E, 0.09, h13km, 9km, n16, a151/18, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Includes stations like VMUR, Van-Muradiye, ERVC, ERCIS-VAN, VANS, Van, VANS, Van, TVAN, Van, ADCV, BITLIS\_Adilcev, ADVC, BITLIS\_Adilcev, TUTA, Tutak, TUTA, Tutak, AGRB, Hanur-Agry, AGRB, Hanur-Agry, TASS, TASBURUN-IGDIR, TASS, TASBURUN-IGDIR, VRTB, Varto-Mus.

AZER 13 09:37:28.6, 5.2, 37.93N, 43.84E, h2km, Error ellipse: s-maj=90.4km s-min=44.5km az=148.0

ISK 13 09:37:30.2, 38.47N, 43.63E, h5km, ML3.3

DDA 13 09:37:30.8, 38.48N, 43.67E, h4km, ML3.4

CSEM 13 09:37:31.5, 0.3, 38.46N, 43.62E, h2km, ML3.4, Error ellipse: s-maj=7.0km s-min=5.8km az=85.0

ISC 13 09:37:31.4, 1.2, 38.47N, 0.02, 43.64E, 0.02, h1km, 13km, n58, a1503/73, 6D, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Includes stations like TVAN, Van, GEVA, Gevas, BASK, Baskale, VAN, VMUR, Van-Muradiye, ADCV, BITLIS\_Adilcev, HAKT, HAKKARI, HAKT, HAKKARI, DYDN, Diyadin, DYDN, Diyadin, TUTA, Tutak, TUTA, Tutak, AGRB, Hanur-Agry, AGRB, Hanur-Agry, CUKT, Cukurca, CUKT, Cukurca, SIRS, S-rnak, SIRS, Siirt, Siirt, Merkez, EKAR, Karacaban, EKAR, Karacaban, TASS, TASBURUN-IGDIR, TASS, TASBURUN-IGDIR, NAX, Nakhchivan, NAX, Nakhchivan, EATA, Eleşkirt, EATA, Eleşkirt, VRTB, Varto-Mus, VRTB, Varto-Mus, SVAN, Silvan-Diyarba, SVAN, Silvan-Diyarba, BTMN, Batman, BTMN, Batman, BNGL, Bingol, BNGL, Bingol, HOMA, Horasan, HOMA, Horasan, EAK, Akyaka, EAK, Akyaka, SENK, Senkaya-Erzuru, SENK, Senkaya-Erzuru, BNGB, Bingol, BNGB, Bingol, MARD, Mardin, MARD, Mardin, MAZI, Mazidag, MAZI, Mazidag, GDB, GEDABAY, GDB, GEDABAY, QZX, Qazax, Azerbai, QZX, Qazax, Azerbai, GANJ, Ganja, GANJ, Ganja.

LJU 13 09:37:41.7, 45.40N, 16.00E, h0km, ML1.7

ISCJB 13 09:37:42.5, 0.4, 45.42N, 0.02, 15.93E, 0.03, h10km, 4km, Error ellipse: s-maj=3.3km s-min=2.9km az=42.2

VIE 13 09:37:42.6, 0.7, 45.43N, 15.91E, h8km, 2km, mb1.9/1, ML1.8/5, Error ellipse: s-maj=5.6km s-min=4.1km az=100.0

CSEM 13 09:37:43.0, 0.1, 45.42N, 15.92E, h10km, ML2.5/15, Error ellipse: s-maj=2.4km s-min=2.2km az=39.0

ISC 13 09:37:43.1, 1.0, 45.43N, 0.02, 15.92E, 0.02, h11km, 8km, n55, a065/94, 1C, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Includes stations like SISC, Sisak, SISC, Sisak, OZLJ, Ozalj, OZLJ, Ozalj, ZAG, Zagreb, BOJS, Bojanci, BOJS, Bojanci, GCIS, Gorinj Cirk, GCIS, Gorinj Cirk, CRES, Cresnjev, CRES, Cresnjev, GOLS, Golise, GOLS, Golise, CESS, Cesta pri Krns, CESS, Cesta pri Krns, LEGS, Legarje, LEGS, Legarje, DOBS, Dobrina, DOBS, Dobrina, GBRB, Gornja Briga, VISS, Visnje, VISS, Visnje, PDKS, Podkum, PDKS, Podkum, UDBI, Udbina, UDBI, Udbina, KOGS, Kog, KOGS, Kog, GROS, Grobnik, GROS, Grobnik, VNDS, Vrh nad Dolski, VNDS, Vrh nad Dolski, KNDS, Knezji Dol, KNDS, Knezji Dol, CEY, Cernicka, CEY, Cernicka, BLY, Banja Luka, BLY, Banja Luka, NVLJ, Novalja, NVLJ, Novalja, GBAS, Gorenja Brezov, GBAS, Gorenja Brezov, LJLJ, Ljubljana, LJLJ, Ljubljana, BEHE, Becsehely, BEHE, Becsehely, PERS, Pernice, PERS, Pernice, CRNS, Crni Vrh, CRNS, Crni Vrh, SKDS, Skadanscina, SKDS, Skadanscina, MOZS, Mozjanca, MOZS, Mozjanca, SOKA, Soboth, SOKA, Soboth, OBKA, Obir, OBKA, Obir, ARSA, Arzberg, ARSA, Arzberg, MOA, Molin, MOA, Molin, MOA, Molin.

ISC 13 09:40:42.9, 66.0, 17.13S, 175.64W, h0km, mb3.7/3, mb1.3/8, mb1mx3.5/31, mbtmt3.7/3, Error ellipse: s-maj=1230.0km s-min=183.4km az=79.0, Tonga Islands

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

CSEM 13 09:41:38.9, 0.3, 38.76N, 43.50E, h10km, MD2.6, Error ellipse: s-maj=9.7km s-min=4.5km az=93.0

ISCJB 13 09:41:39.3, 0.6, 38.75N, 0.03, 43.50E, 0.09, h15km, 4km, V38A

Error ellipse: s-maj=12.3km s-min=4.9km az=4.6

DDA 13 09:41:39.0, 38.73N, 43.49E, h7km, ML3.0

ISK 13 09:41:39.0, 38.72N, 43.38E, h9km, MD2.6

ISC 13 09:41:38.9, 1.1, 38.75N, 0.03, 43.57E, 0.06, h16km, 7km, n26, a092/34, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Includes stations like VANS, Van, VANS, Van, VMUR, Van-Muradiye, VMUR, Van-Muradiye, TVAN, Van, TVAN, Van, ERVC, ERCIS-VAN, ERVC, ERCIS-VAN, GEVA, Gevas, GEVA, Gevas, ADCV, BITLIS\_Adilcev, ADCV, BITLIS\_Adilcev, EATA, Eleşkirt, EATA, Eleşkirt, CUKT, Cukurca, CUKT, Cukurca, SVAN, Silvan-Diyarba, SVAN, Silvan-Diyarba, OK20, N3440 Ranch, Me, V35A, Meyer Ranch, C, V35A, Meyer Ranch, C, W35A, Tecumseh, W35A, Tecumseh, W36A, Wetumka, W36A, Wetumka, V36A, Jenks, V36A, Jenks, V36A, Jenks, U35A, Pawnee, U35A, Pawnee, TUL1, Leonard, TUL1, Leonard, TUL1, Leonard, X36A, Centrahoma, X36A, Centrahoma, X35A, Drake, X35A, Drake, W37B, Quinton, W37B, Quinton, W37B, Quinton, U36A, Oologah, U36A, Oologah, V37A, Hulbert, V37A, Hulbert, T35A, Sooner Cattle, T35A, Sooner Cattle, T34A, McClaskey Farm, T34A, McClaskey Farm, Y35A, Marietta, Y35A, Marietta, Y36A, Durant, Y36A, Durant, Y36A, Durant, U37A, Salina, U37A, Salina, T36A, Boggs Farm, Ca, T36A, Boggs Farm, Ca, T36A, Boggs Farm, Ca, WMOK, Wichita Mounta, WMOK, Wichita Mounta, Y37A, Hugo, Y37A, Hugo, X38A, Whitesboro, X38A, Whitesboro, W38A, Poteau, W38A, Poteau, U32A, Winter Ranch, U32A, Winter Ranch, V38A, Canehill, V38A, Canehill, V38A, Canehill.

ISCJB 13 09:49:10.8, 0.4, 35.47N, 0.01, 96.90W, 0.02, h3km, 3km, Error ellipse: s-maj=2.3km s-min=2.0km az=24.8

DDA 13 09:49:11.8, 2.3, 35.56N, 96.68W, h0km, mb1.3/4/3, mb1mx3.4/2, mbtmt3.1/3, ML3.2/3, Error ellipse: s-maj=42.8km s-min=18.4km az=102.0

NEIC 13 09:49:12.0, 0.0, 35.46N, 96.88W, h5km, ML3.2(TUL), After TUL

NEIC Fell [III] at Meeker and [II] at McLeod, Norman, Owasso and Shawnee. Fell in the Blanchard-Stillwater-Tahlequah area.

ISC 13 09:49:11.7, 1.0, 35.50N, 0.02, 96.82W, 0.02, h4km, 8km, n103, a1504/148, Oklahoma





MAN 13 10:27:04,11.52N:125.33E,h20km,mb4.0,ML2.7,MS2.4,1D,Samar
Code Station Name Az AZZ Phase ID Time Res

NIED 13 10:32:00,37.90N:142.40E,h32km,Mw3.7 Best double couple
M=0.05000x10^14 Np1=0.13100000, delta1.00000, lambda=162.00000, NP2=26.00000, delta1.00000, lambda=60.00000

JMA 13 10:32:52,1-0.2,37.93N:142.44E,h35km,3km,M3.9
IDC 13 10:32:55,1-3.1,37.91N:142.46E,h39km,26km,mb3.5/8,mb1.3,6/13,mb1mx3.5/50,mbtmp3.7/13,ML3.1/5,MS2.5/3,Ms1 2.5/3,ms1mx2.4/11,Error ellipse: s-maj=28.1km s-min=18.2km az=88.0

ISC 13 10:32:50.7-2.2,37.91N:142.46E:0.06,h10km,12km,n32,r162/37,mb3.7/8,Off east coast of Honshu

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

NEIC 13 10:33:57.0-0.0,35.47N:96.88W,h5km,ML2.9(TUL), After TUL
ISC 13 10:33:57.2-0.9,35.48N:0.02:96.89W:0.02,h8km,7km,n48,r082/75,Oklahoma

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

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

SJA 13 10:56:05.6-0.3,26.69S:66.90W,h180km,2km,ML4.0,MW3.3
ISC/JB 13 10:56:06.2-0.4,26.60S:0.03:67.16W:0.07,h150km,mb3.5/6,Error ellipse: s-maj=8.9km s-min=3.9km az=16.4

IDC 13 10:56:07.1-1.9,26.55S:67.03W,h148km,16km,mb3.4/6,mb1.3,5/11,mb1mx3.4/31,mbtmp3.8/11,Error ellipse: s-maj=25.3km s-min=14.7km az=59.0

ISC 13 10:56:07.1-0.7,26.60S:0.05:67.14W:0.08,h150km,n29,r112/33,mb3.7/6,Catamarca Province

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

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

WEL 13 11:05:00.0-0.5,36.32S:179.76W,h33km,ML3.6/10,2D, North Island
Error ellipse: s-maj=5.3km s-min=3.9km az=0.0,East of

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

ISC/JB 13 11:29:56.4-0.6,46.18N:0.02:177.11E:0.04,h2km,4km, Error ellipse: s-maj=4.3km s-min=3.9km az=6.9

CSEM 13 11:29:57.4-0.2,46.14N:17.11E,h2km,ML2.7/7, Error ellipse: s-maj=4.9km s-min=4.2km az=136.0

VIE 13 11:29:58.1-0.4,46.15N:17.00E,h9km,4km,mb1.7/1,ML2.1/4, Error ellipse: s-maj=7.7km s-min=4.3km az=54.0

PRU 13 11:30:00.5-46.27N:17.14E,h9km Error ellipse: s-maj=13.3km s-min=10.0km az=111.1

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CESS, CRES, LEGS, OZLJ, etc.

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

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

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

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

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

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

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

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

NIED 13 12:24:00, 39° 60' N, 143° 50' E, h17km, Mw3.4 Best double couple: Mb1.29000, 101° 14', NP1: 145.00000°, 59.00000°, 1.45, 0.00000°, NP2: 111.00000°, 84.00000°, 0.96, 0.00000°.

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

ISC 13 12:24:25.3, 3.7, 20° 59' S, 178° 09' W, h0km, mb3.6/3, mb1 3.8/3, mb1mx3.4/27, mbtmp3.6/3, Error ellipse: s-maj=105.8km s-min=36.7km az=32.0, Fiji Islands region

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

ISCJB 13 12:27:26.0, 0.6, 35° 55' N, 0° 05' 140° 13' E, h76km, 6km, mb3.6/6, Error ellipse: s-maj=12.2km s-min=6.4km az=153.1

JMA 13 12:27:26.0, 2.35° 69' N, 140° 11' E, h65km, 2km, M3.2 Broadband fault plane solution: P waves. NP1: 0.6, 0.00000°, 87.3, 0.00000°, 1.87, 0.00000°. NP2: 198.00000°, 81.7, 0.00000°, 1.01, 0.00000°. Principal axes: T P162.00000°, Azm271.00000°; N P163.00000°, Azm7.00000°; P P162.00000°, Azm99.00000°.

JMA Felt 1 J1. ISC 13 12:27:26.9, 2.2, 35° 50' N, 140° 17' E, h67km, 18km, mb3.4/6, mb1 3.6/7, mb1mx3.4/38, mbtmp3.7/7, MS2.7/1, ms1mx2.3/18, Error ellipse: s-maj=30.5km s-min=7.1km az=67.0

ISC 13 12:27:27.1, 0.1, 35° 58' N, 0° 05' 140° 10' E, h69km, gkm, n24, 0.88/22, mb3.7/6, 2C-3D, Near east coast of eastern Honshu

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KSR, H1N1, H1N2, etc.

ISK 13 12:30:34.8, 38° 48' N, 43° 65' E, h49km, MD2.6 ISCJB 13 12:30:35.8, 1.2, 38° 51' N, 0° 06' 43° 65' E, 0.09, h46km, 12km, Error ellipse: s-maj=11.8km s-min=9.4km az=3.4

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

ISCJB 13 12:30:38.7, 0.3, 37° 81' N, 0° 05' 55' 82° E, 0.04, h10km, Error ellipse: s-maj=7.9km s-min=2.7km az=25.0

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

ISC 13 12:30:39.3, 0.8, 37° 66' N, 0° 07' 55' 78° E, 0.04, h10km, n48, 1980/68, 15C-11D, Iran-Turkmenistan border region

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

ISC 13 12:30:39.3, 0.8, 37° 66' N, 0° 07' 55' 78° E, 0.04, h10km, n48, 1980/68, 15C-11D, Iran-Turkmenistan border region

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

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



13d 14h

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

ISK 13:59:42.9,34.64N,34.56E,h38km,MD3.6
ISCJB 13:59:43.7,0.3,34.68N,0.03,34.51E,0.03,h53km,12km,
Error ellipse: s-maj=5.2km s-min=3.5km az=26.1
CSEM 13:59:44.6,0.1,34.67N,34.45E,h30km,ML3.1,Error
ellipse: s-maj=3.1km s-min=1.8km az=57.0
NSSC 13:59:46.9,2.5,34.76N,34.93E,h97km,35km,MD1.0,
ML2.5
NIC 13:59:46.2,0.3,34.69N,34.43E,h25km,ML3.1
HLW 13:59:48.5,34.45N,34.09E,h33km,27km,MD3.2,MI2.6
GRAL 13:59:54.4,0.3,34.29N,35.11E,h30km,ML3.0,MD2.2
ISC 13:59:43.6,1.2,34.68N,0.03,34.53E,0.02,h46km,18km,
n72,1581/100,Cyprus region

Main station list table for 13d 14h. Columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PHNC, LFK, LFK, etc.

2011 NOV

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

DSN 13:14:11:00.5,1.1,28.34N,57.72E,h15km,ML5.0,10,Error
ellipse: s-maj=28.2km s-min=7.7km az=128.0
BUI 13:14:11:01.0,28.20N,57.10E,h10km,mb4.7/37,mb4.8/23,
Ms4.3/14,Ms7.4/0.13
ISCJB 13:14:11:04.2,0.1,28.22N,0.02,57.09E,0.02,h24km,
mb4.6/9,MS3.7/27,Error ellipse: s-maj=3.0km
s-min=2.7km az=160.5
OMAN 13:14:11:05.3,0.0,28.09N,57.28E,h10km,Error ellipse:
s-maj=1.5km s-min=0.8km az=286.0
THR 13:14:11:05.8,1.3,28.19N,57.21E,h29km,11km,ML4.4
IDC 13:14:11:06.4,0.6,28.16N,57.12E,h29km,3km,mb4.2/32,
mb1.4/37,mb1mx4.2/46,mbtmp4.4/37,ML3.9/4,MS3.8/26,
Ms1.3/8/26,ms1mx3.6/44,Error ellipse: s-maj=11.3km
s-min=9.9km az=13.0
CSEM 13:14:11:06.3,0.1,28.21N,57.17E,h28km,mb4.7/49,Error
ellipse: s-maj=4.9km s-min=3.2km az=84.0
NEIC 13:14:11:06.1,0.3,28.17N,57.16E,mb4.8/32,ML4.4(THR),
ML4.5(TEH),Error ellipse: s-maj=5.6km s-min=5.0km
az=177.0
MOS 13:14:11:08.3,0.9,28.25N,57.12E,h62km,mb4.9/46,Error
ellipse: s-maj=7.0km s-min=4.3km az=111.3
TEH 13:14:11:08.5,28.14N,57.05E,h28km,ML4.5
ISC 13:14:11:06.4,0.4,28.20N,0.02,57.15E,0.03,h31km,2km,
h31km:p-P,n510,o1929/544,mb4.7/103,MS3.8/28,
33C-1D,Southern Iran

Main station list table for 2011 NOV. Columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like IBND, IBND, IBND, etc.

714

Main station list table for 714. Columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like HOQ, HOQ, ICHK, etc.



13d 14h

Table with columns for station name, frequency, power, and other technical details. Includes stations like CMAR Ching Mai Arr, BERG, LZH Lanzhou, WTTA Wattenberg, etc.

2011 NOV

Table with columns for station name, frequency, power, and other technical details. Includes stations like BOD Bodaibo, BJI Beijing, ESDC Sonseca Array, etc.

716

Table with columns for station name, frequency, power, and other technical details. Includes stations like WCG Waipua Caves, CNGZ Carnagh Statio, OPRZ Ohinepanea, etc.

BUJ 13 14:43:47.6, 32°00'S:176°72'W, h79km, mb5.2/8, mB5.5/9, M5.1/3, M5.7 4/3
NEIC 13 14:43:56.9, 2.8, 31°54'S:178°35'W, h21km, 20km, mb4.8/7,
Error ellipse: s-maj=15.4km s-min=10.2km az=99.0
ISCJB 13 14:43:57.0, 3.1, 62°S:103°17'W:0.1, h50km,
mb4.8/18, M5.5/5.8, Error ellipse: s-maj=13.5km
s-min=9.2km az=29.4
IDC 13 14:40:00.9, 1.3, 31°43'S:178°43'W, h49km, 11km, mb4.5/9,
mb 4.5/14, mb1mx2/34, mbtmp4/714, ML4.2.5, M5.3/3.1/0,
M5.1.3/3.1/0, ms1mx3/2/25, Error ellipse: s-maj=19.3km
s-min=9.6km az=112.0
ISC 13 14:44:01.7, 0.5, 31°54'S:104°17'W:0.0, h61km,
n105, a2s23/91, mb4.9/18, 1D, Kermadec Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BOSB, MKAR, ZALV, ARCES, etc.

MEX 13 14:47:23.2±0.3, 16.97N×100.17W, h5km, MD3.5, Near coast of Guerrero

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

ISK 13 14:59:55.8, 38.67N, 43.12E, h5km, MD2.8

CSEM 13 14:59:58.1, 0.3, 38.69N, 43.17E, h10km, ML3.0, Error ellipse: s-maj=8.1km s-min=7.2km az=83.0

DDA 13 14:59:58.6, 38.67N, 43.19E, h7km, ML3.0

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

TRN 13 15:02:45.5, 17.32N, 61.57W, h30km, MD3.6, 1C-1D, Leeward Islands

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

ISC/JB 13 15:20:14.8±0.4, 45.31N±0.02, 14.62E±0.02, h9km, 4km, Error ellipse: s-maj=3.6km s-min=2.5km az=19.7

CSEM 13 15:20:15.2±0.2, 45.30N±0.02, 14.61E±0.02, h5km, ML2.5/2.6, Error ellipse: s-maj=3.1km s-min=2.1km az=16.0

LJU 13 15:20:15.3, 45.32N, 14.62E, h9km, ML 1.7

VIE 13 15:20:16.1±0.4, 45.37N±0.03E, h8km, mb1.84, ML2.3/1.4, Error ellipse: s-maj=3.3km s-min=1.8km az=161.0

ISC 13 15:20:15.5±1.0, 45.31N±0.02, 14.64E±0.02, h8km, gkm, n64, c084/119, 1C-2D, Northwestern Borneo Peninsula

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

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

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

VOJS Vojsko

VOJS Vojsko

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

PERS Pernice

SOKA Soboth

ACOM Acomizza, Ita

MYKA Terra Mystica

ZOU Zouliplan

ARSA Arzberg

ABTA Abfallersbach

MOA Molin

WTA Wattenberg

MOTA Moosalm

FETA Feichten

ARSA Arzberg

ABTA Abfallersbach

MOA Molin

WTA Wattenberg

Error ellipse: s-maj=17.8km s-min=16.4km az=53.1

NEIC 13 15:40:51.8±0.9, 29.71S±1.77, 68W, h74km, gkm, mb5.1/4.7, Error ellipse: s-maj=9.6km s-min=6.9km az=135.0

ISC 13 15:40:48.3±0.4, 29.66S±0.06, 177.41W±0.08, h52km, n185, c2874/179, mb5.1/66, MS4.0, 16, 1C-3D, Kermadec

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAO, RAO, RAO, etc.



13d 16h

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BC3 Big Chuckawall, GLA Glamis, AFDM Forest Hills D, etc.

2011 NOV

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like HHC comp=Z,10nm,0.7s, CD2 Chengdu, RLMT Red Lodge, etc.

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Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like H11N1 WAKE ISLAND Hy 26.14 110, H11N3 WAKE ISLAND Hy 26.15 110, etc.





Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KKAR Karatay Array, LSA Lhasa, CMAR Chiang Mai Arr, etc.

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

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ARCES ARCESS Array B, FINES FINES Array B, NB2 NORFAR Subarra, etc.



az=89.0  
 ISCJB 13 17:53:11.1, 1.2, 12.53N, 0107:145:2E, 0.2, h38km,  
 mb3.5/6, MS3.5/2, Error ellipse: s-maj=35.1km  
 s-min=9.9km az=174.3  
 ISC 13 17:53:15.1, 1.2, 12.58N, 010:145:0E, 0.2, h38km, n15,  
 0596/10, mb3.6/6, South of Mariana Islands

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
GUMO	Guam	1.02	31	Op	Pn	17 53 32.7	-0.1
GUMO	137nm, 0.3s, baz=161, slow=10, SNR=171						
H1S3	WAKE ISLAND Hy 21.67	72	T	T		18 21 16.3	
H1S1	WAKE ISLAND Hy 21.67	72	T	T		18 21 20.1	
H1S2	WAKE ISLAND Hy 21.67	72	T	T		18 21 21.1	
H1N1	WAKE ISLAND Hy 22.15	69	T	T		18 21 34.4	
H1N2	WAKE ISLAND Hy 22.16	68	T	T		18 21 57.7	
H1N3	WAKE ISLAND Hy 22.17	69	T	T		18 21 35.9	
MJAR	Matsushiro Arr	24.64	347	P	P	17 58 31.6	-0.5
MJAR	0.8nm, 0.5s, baz=169, slow=10, SNR=4.1					18 07 26.9	
WRA	Warramunga Arr	33.99	198	P	P	17 59 56.2	+0.8
ASAR	Alice Springs	37.63	197	P	P	18 00 27.6	+1.0
CMAR	Chiang Mai Arr	44.70	284	P	P	18 01 25.1	+0.3
CMAR	0.5nm, 0.7s, baz=78, slow=6.6, SNR=6.8					18 03 08.8	-0.8
PALK	Pallekele	63.46	272	LR	LR	18 31 05.0	
KURBB	Kurchatov Arr	65.49	320	P	P	18 03 53.8	-0.6
ILAR	Eielson Array	69.41	25	P	P	18 04 18.6	-0.3
DBIC	Dimbokro	144.48	301	PKP	PKP	18 12 47.7	-0.8
	1.7nm, 0.5s, baz=31, slow=5.1, SNR=6.9						

IDC 13 17:57:51.3, 1.5, 41.31S, 89.99W, h0km, mb3.7/5,  
 mb1.3/9.5, mb1mx3.7/35, mbtmp3.7/5, MS3.7/8, Ms1 3.8/8,  
 ms1mx3.5/23, Error ellipse: s-maj=43.5km  
 s-min=32.7km az=80.0, Southeast of Easter Island

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
USHA	Ushuaia	19.66	141	Op	LR	18 07 37.1	
RPN	Rapa Nui	21.28	306	LR	LR	18 07 25.4	
PMSA	Palmer Station	27.82	156	LR	LR	18 11 18.9	
CPUP	Villa Florida	30.76	71	LR	LR	18 15 18.8	
LPAZ	La Paz	31.26	44	P	P	18 04 14.4	+0.9
LPAZ	1.2nm, 0.8s, baz=215, slow=8.0, SNR=4.2					18 13 55.1	
SIV	San Ignacio	35.48	53	P	P	18 04 48.9	-0.8
ROSC	El Rosal	48.11	21	LR	LR	18 23 53.4	
SNA	Sanae	50.53	156	P	P	18 06 51.0	+0.1
SNA	53.79	195	LR	LR	18 25 26.2		
TXAR	Lajitas Array	71.42	347	P	P	18 09 14.2	+0.9
PDAR	Pinedale Array	85.53	346	P	P	18 10 30.0	-1.1
	0.3nm, 0.7s, baz=168, slow=9.9, SNR=3.0						
	0.2nm, 0.6s, baz=153, slow=5.8, SNR=2.5						

ISCJB 13 17:58:19.3, 0.3, 38.69N, 0102:07:37E, 0.03, h17km,  
 mb4.0/19, MS3.3/6, Error ellipse: s-maj=3.7km  
 s-min=3.4km az=135.3  
 IDC 13 17:58:19.0, 0.9, 38.68N, 0104:0E, h0km, mb3.8/13,  
 Mb1 4.1/21, mb1mx3.9/57, mbtmp3.9/21, ML3.5/8, MS3.3/8,  
 Ms1 3.3/8, ms1mx3.0/46, Error ellipse: s-maj=17.6km  
 s-min=11.9km az=157.0  
 NNC 13 17:58:19.8, 4.5, 38.75N, 0103:34E, h0km, mb4.4, mpv4.3,  
 Error ellipse: s-maj=55.3km s-min=16.1km az=161.0  
 KRNET 13 17:58:20.0, 2.0, 1.39, 11N, 69.91E, mb4.3  
 MOS 13 17:58:24.3, 1.5, 39.00N, 0104:24E, h33km, mb4.4/10, Error  
 ellipse: s-maj=10.3km s-min=6.0km az=87.4  
 ISC 13 17:58:21.8, 0.6, 38.77N, 0102:40E, h17km, n98,  
 0232/115, mb4.1/19, MS3.3/6, 32C-17D,  
 Afghanistan-Tajikistan border region

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
DZET	Dzherino	1.10	272	Op	Pn	17 58 42.1	-0.5
DZET	299nm, 0.5s					17 58 57.8	+0.2
DZET	Dzherino	1.10	272	PG	Pn	17 58 42.0	-0.5
DZET	651nm, 0.4s					17 58 57.8	+0.2
DZET	comp=Z, 299nm, 0.5s						
BTK	Batken	1.36	191	Pn	Pn	17 58 43.0	-3.1
BTK	baz=36					17 59 00.0	-3.8
SFK	Sufi-Kurgan	2.82	631	Pn	Pn	17 59 09.5	+3.3
SFK	baz=71					17 59 46.8	+0.7
MNAS	Manas	4.09	241	Pn	Pn	17 59 23.5	-0.2
MNAS	baz=29					18 00 10.4	-0.8
MNAS	Manas	4.09	24	Pn	Pn	17 59 25.6	+2.0
MNAS	comp=N, 48nm, 0.6s					18 00 28.0	
MNAS	Manas	4.09	24	Pn	Pn	17 59 26.1	+2.4
MNAS	comp=N, 52nm, 0.6s					18 00 20.8	
MNAS	Manas	4.09	24	Pn	Pn	17 59 25.6	+2.0
MNAS	comp=N, 53nm, 0.6s						
AML	Almayashu	4.27	371	Pn	Pn	17 59 27.1	+0.8
AML	baz=42					18 00 16.1	+0.2
AML	Almayashu	4.27	37	Pn	Pn	17 59 28.4	+2.1
KK31	Karatay Array	4.33	3	Pn	Pn	17 59 28.8	+1.9
KK31	comp=N, 19nm, 0.5s, baz=166, slow=9.9, SNR=3.8					18 00 35.3	
KK31	Karatay Array	4.33	3	ePn	Pn	17 59 28.7	+1.9
KK31	comp=N, 43nm, 0.6s, baz=160, slow=27					18 00 33.0	
KK31	comp=Z, 19nm, 0.5s						
EKS2	Erkin-Say	4.72	341	Pn	Pn	17 59 32.9	+0.6
EKS2	baz=38					18 00 26.6	-0.2
EKS2	Erkin-Say	4.72	34	Pn	Pn	17 59 34.9	+2.6
UCH	Uchtor	4.75	42	Pn	Pn	17 59 34.6	+1.6
UCH	baz=47					18 00 28.9	+1.1
UCH	Uchtor	4.75	42	Pn	Pn	17 59 35.4	+2.5
AAK	Ala-Archa	5.04	39	Pn	Pn	17 59 38.9	+2.2
AAK	comp=N, 7.6nm, 0.3s, baz=211, slow=2.5, SNR=48					18 00 39.5	+4.9
AAK	comp=N, 142nm, 18.7s, baz=200, slow=41					18 01 46.6	

AAK	Ala-Archa	5.04	39	Pn	Pn	17 59 37.9	+1.2
AAK	baz=43					18 00 34.3	-0.2
AAK	Ala-Archa	5.04	39	Pn	Pn	17 59 40.1	+3.5
FRU	Bishkek	5.24	38	ePn	Pn	17 59 42.5	+3.1
FRU	comp=Z, 95nm, 1.8s					18 00 46.0	+6.6
FRU	comp=E, 470nm, 1.7s						
KBK	Karagaybulak	5.28	41	Pn	Pn	17 59 41.9	+1.9
KBK	baz=46					18 00 40.7	+0.2
KBK	Karagaybulak	5.28	41	Pn	Pn	17 59 42.9	+2.9
CHMS	Chumysh	5.43	38	Pn	Pn	17 59 43.5	+1.5
CHMS	baz=42					18 00 43.4	-0.7
CHMS	Chumysh	5.43	38	Pn	Pn	17 59 45.3	+3.3
USP	Ospenovka	5.53	341	Pn	Pn	17 59 44.4	+1.1
USP	baz=38					18 00 45.4	-1.0
USP	Ospenovka	5.53	34	Pn	Pn	17 59 44.9	+1.6
ULHL	Ulhalo	5.74	51	Pn	Pn	17 59 50.4	+4.0
TKM2	Tokmak 2	5.80	43	Pn	Pn	17 59 49.2	+2.0
TKM2	baz=47					18 00 53.8	+0.3
TKM2	Tokmak 2	5.80	43	Pn	Pn	17 59 50.5	+3.3
KNDC	Almaty	6.75	47	Pn	Pn	17 59 59.9	-0.2
KNDC	comp=E, 19nm, 0.6s					18 01 54.4	
MDOK	Medeo	6.77	47	Pn	Pn	18 00 03.3	+2.9
MDOK	comp=N, 3.2nm, 0.3s, baz=61, slow=11, SNR=5.7					18 01 53.9	
PDGK	Podgornoye	8.34	54	Pn	Pn	18 00 24.5	+2.4
PDGK	comp=E, 3.1nm, 0.7s					18 02 42.3	
PDGK	Podgornoye	8.34	54	Pn	Pn	18 00 24.4	+2.4
PDGK	comp=Z, 3.0nm, 0.7s						
GEYT	Alibek	9.56	269	Pn	Pn	18 00 38.5	-0.1
GEYT	comp=N, 0.9nm, 0.3s, baz=98, slow=10, SNR=8.0					18 02 25.6	-0.1
GEYT	comp=N, 3.2nm, 0.3s, baz=61, slow=11, SNR=5.7					18 05 13.6	
MAKZ	Makanchi Arr	11.77	43	Pn	Pn	18 01 09.6	+0.7
MAKZ	comp=N, 3.0nm, 1.1s					18 04 34.3	
MAKZ	comp=N, 3.7nm, 1.0s					18 01 11.7	+0.6
MK31	Makanchi Arr	11.93	44	Pn	Pn	18 01 11.7	+0.6
MK31	comp=N, 4.1nm, 1.0s, baz=246, slow=32, SNR=9.1					18 04 37.5	
MK31	Makanchi Arr	11.93	44	Pn	Pn	18 01 11.7	+0.6
MK31	comp=N, 7.7nm, 0.9s					18 01 11.7	+0.6
MKAR	Makanchi Array	11.93	44	Pn	Pn	18 01 10.2	-0.8
MKAR	comp=Z, 0.1nm, 0.3s, baz=234, slow=10, SNR=5.8					18 01 21.9	-1.3
AB31	Abkula Arr	12.82	328	Pn	Pn	18 01 45.5	+0.2
AB31	comp=Z, 5.4nm, 0.4s, baz=140, slow=12, SNR=27					18 01 21.8	-1.3
AB31	Abkula Arr	12.82	328	Pn	Pn	18 01 21.8	-1.3
AB31	comp=Z, 4.6nm, 0.4s, baz=152, slow=23, SNR=12					18 03 38.2	
AB31	comp=Z, 5.0nm, 0.4s					18 01 25.5	-3.1
KURBB	Kurchatov Arr	13.22	24	Pn	Pn	18 05 12.0	
KURBB	comp=N, 0.1nm, 0.3s, baz=213, slow=12, SNR=13					18 01 27.8	-0.8
KURBB	Kurchatov Arr	13.22	24	Pn	Pn	18 05 19.6	
KURBB	comp=N, 4.2nm, 0.8s					18 01 28.3	-1.8
KURK	Kurchatov	13.33	24	Pn	Pn	18 05 21.7	
KURK	comp=N, 2.4nm, 1.0s					18 01 25.5	-4.6
BVA0	Borovoye Arr	14.26	0	Pn	Pn	18 01 40.9	-1.9
BVA0	comp=N, 3.4nm, 0.7s, baz=170, slow=16, SNR=16					18 01 40.9	-1.9
BVA0	Borovoye Arr	14.26	0	Pn	Pn	18 01 40.8	-1.9
BVA0	comp=Z, 3.0nm, 0.7s					18 01 42.3	-0.8
BRVK	Borovoye	14.29	0	Pn	Pn	18 01 42.3	-0.8
BRVK	comp=Z, 4.3nm, 0.9s					18 05 51.9	
BRVK	Borovoye	14.29	0	Pn	Pn	18 01 44.1	+0.9
BRVK	comp=Z, 4.0nm, 1.2s					18 01 45.2	-1.2
AKTO	Aktubinsk	14.53	327	Pn	Pn	18 04 20.8	-6.1
AKTO	comp=Z, 1.0nm, 0.3s, baz=106, slow=12, SNR=13					18 01 45.4	-1.1
AKTO	Aktubinsk	14.53	327	Pn	Pn	18 04 27.1	+0.2
AKTO	comp=Z, 2.4nm, 0.8s					18 01 45.3	-1.2
AKTO	Aktubinsk	14.53	327	Pn	Pn	18 04 24.5	
AKTO	comp=Z, 2.4nm, 0.8s					18 01 49.8	-3.9
DANN	Dangsing	15.32	129	Pn	Pn	18 01 55.0	-2.5
KOLN	Koldanda	15.64	31	ePn	Pn	18 01 58.4	-3.2
GKN	Gorkha	16.00	128				



Table with columns: Station, Frequency, Power, and other technical details. Includes stations like GNI, SRMT, and various other frequencies.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like ATGJ, SIZA, and various other frequencies.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like MKAR, NOA, and various other frequencies.



Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Kilpisjärvi, Pajala, Kautokeino, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Apatity Array, Spitsbergen Ar, Spitsbergen Ar, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Afiamalu, Rarotonga, RAR, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include VANS Van, VANS Van, GEVA Gevas, etc.

GUC 13 19:32:13.8-0.6, 21.375-68.68W, h139km, 2.4km, ML3.5, 4C-4D, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include PB09 IPOC Station P, PB01 IPOC Station P, etc.

IDC 13 19:37:26.7-2.18, 74S-176.13W, h0km, mb3.4/2, mb1 3.7/2, mb1mx3.4/29, mbtmp3.4/2, Error ellipse: s-maj=380.6km s-min=53.7km az=148.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include WRA Warramunga Arr, ASAR Alice Springs, GERES GERES Array B, etc.

ISK 13 19:40:04.6-38.74N, 143.43E, h6km, MD2.8, ISCJB 13 19:40:05.9-0.5, 38.71N, 143.43E, h5km, MD2.8, Error ellipse: s-maj=6.0km s-min=4.9km az=148.4

CSEM 13 19:40:05.5-38.74N, 143.21E, h5km, MD2.8, Error ellipse: s-maj=7.8km s-min=5.7km az=60.0

DDA 13 19:40:05.5-38.68N, 143.19E, h7km, M12.9, ISC 13 19:40:05.7-0.9, 38.72N, 143.19E, h13km, h13km, n26, r1909/36, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include VANS Van, VANS Van, GEVA Gevas, etc.

NIED 13 19:40:00.35-10N, 140.00E, h65km, Mw4.4. Best double couple: M3.81000, 1015, NP1=339.00000, 316.00000, 1-47.00000, NP2=115.00000, 379.00000, 1-101.00000

BUI 13 19:40:32.6-35.16N, 140.36E, h65km, mb4.5/26, mb4.8/18, Ms4.5/6, Ms7.4/36

MOS 13 19:40:34.2-31.35, 05N, 140.20E, h62km, mb4.5/18, Error ellipse: s-maj=12.3km s-min=7.9km az=118.7

JMA 13 19:40:35.9-0.1, 35.08N, 139.97E, h71km, 2km, M4.1. Broadband fault plane solution: P waves. NP1: 0.25, 0.00000, 360.00000, 1-85.00000, NP2: 0.25, 0.00000, 360.00000, 1-98.00000. Principal axes: T P15.0000, Azm212.0000, N P14.0000, Azm4.0000, Azm303.0000, P P174.0000, Azm47.0000

JMA Felt II, NEIC 13 19:40:36.8-0.6, 35.01N, 139.99E, h65km, 2km, mb4.7/6

Error ellipse: s-maj=8.2km s-min=5.9km az=78.0

NEIC Felt at Chofu and Tokyo. Recorded [2 JMA] in China. ISCJB 13 19:40:36.0-0.3, 35.05N, 140.03E, h71km, 2km, mb4.3/36, Error ellipse: s-maj=5.1km s-min=4.3km az=145.0

IDC 13 19:40:37.1-1.0, 35.04N, 139.92E, h65km, 2km, mb3.8/18, mb1 3.9/20, mb1mx3.8/37, mbtmp4.1/20, MS3.3/6, Ms1 3.3/6, ms1mx3.0/49, Error ellipse: s-maj=16.6km s-min=5.2km az=72.0

ISC 13 19:40:36.6-0.6, 35.07N, 140.00E, 0.4, h64km, 5km, n8, r161/109, mb4.3/36, 6D, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include TATJ Tateyama 2, TATJ Katsuura, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include JYO Yokosok, JYO I30JP, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include USRK Ussuriysk Ar., MDJ Mudanjiang, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include BJI PETK, WHN Wuhan, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include H112 WAKE ISLAND HY, H111 WAKE ISLAND HY, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include H113 WAKE ISLAND HY, H111S WAKE ISLAND HY, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include LZH Lanzhou, LZY Guiyang, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include GYD Chengdu, QIZ Qiongzhong, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include ZAAO Zalesovo Array, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include MK01 Makanchi Array, MK01 Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include MKAR Makanchi Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include WRAB Tennant Creek, WRAB Tennant Creek, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include WRAB Tennant Creek, WRAB Tennant Creek, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include AS01 Alice Springs, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include STKA Stephens Creek, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include BRTR Keskin Array B, BRTR Keskin Array B, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include PASC Pasadena Art C, PASC Pasadena Art C, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include SRU San Rafael Swe, SRU San Rafael Swe, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include TX31 Lajitas Arr, TXAR Lajitas Array, etc.

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

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

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

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like DIGO Kars, SRTM Siirt\_Merkez, GNI Garni, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like IML Ismayilli, LKRN Lenkeran, ASTR Astara, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ULN Ulaanbaatar, CMAR Chiang Mai, etc.

DJA 13 20:03:06.7:0.9, 6'N, 5'x12'6E, h155km, 10km, M4, 2/4, mB4, 7/2, mb4, 2/2, MLV4, 3/4, Mw(MB)4.0/2

MAN 13 20:03:07.6:34N, 126:52E, h103km, mb4.9, ML3.8, MS3.9

ISCBJ 13 20:03:08.4:0.7, 6'20N, 0:04, 126:36E, 0.08, h93km, 9km, mb3.4/7, Error ellipse: s-maj=13.3km s-min=6.6km az=2.2

IDC 13 20:03:25.4:19.0, 6:06N, 126:26E, h249km, 214km, mb3.0/7, mbl 3.1/7, mb1mx2, 8/51, mbtmp3.5/7, MS2.9/1, Ms1 2.9/1, ms1mx2, 4/10, Error ellipse: s-maj=82.3km s-min=25.0km az=71.0

ISC 13 20:03:09.2:1.0, 6:27N, 105:22E, 0.09, h92km, 12km, n11, c196/23, mb3.4/7, IC-2D, Mindanao

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like GSPH General Santos, GSPH Bislig, BUKP Musuan, etc.

ISK 13 20:05:23.3, 38:89N-43:60E, h5km, ML3.5

ADZ 13 20:05:23.3, 38:87N-43:54E, h12km, M3.5

ADZ 13 20:05:23.3, 1.4, 38:81N-43:19E, h15km, Error ellipse: s-maj=8.8km s-min=3.0km az=73.0

CSEM 13 20:05:25.1:0.1, 38:87N-43:49E, h2km, ML3.5, Error ellipse: s-maj=1.1km s-min=0.3km az=152.0

ISC 13 20:05:24.0:0.8, 38:88N, 102:43.55E, 0.02, h13km, 6km, n112, c206/7144, 13C-18D, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like VMUR Van-Muradiye, ERVC ERICIS-VAN, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H11S1 WAKE ISLAND, H11S3 WAKE ISLAND, H11S2 WAKE ISLAND, ZALV Zalesovo Beam, CMAR Chiang Mai Arr, MKAR Makanchi Array, ILAR Eileison Array, WRA Warramunga Arr, ASAR Alice Springs, FINES FINES Array B, NB2 NORSAR Subarra, NOA NORSAR Array B, TXAR Lajitas Array.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VANB Van, TVAN Van, ERVC ERICIS-VAN, VMUR Van-Muradiye, VMUR Van-Muradiye, ADCV BITLIS\_Adilcev, TUTA Tuta, AGRB Hanur-Agry, AGRB Hanur-Agry.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PKI Pulchoki, PKIN Pulchoki, KKN Kakani, DMN Damam, GKN Gorkha, KOLN Koldana, DANN Danning, PYUN Pyuthan, MKAR Makanchi Array, ZALV Zalesovo Beam, VNSA Vanda, ILAR Eileison Array.

ISK 13 21:05:51.7, 38.79N, 43.69E, h2km, MD2.8
DDA 13 21:05:53.7, 38.80N, 43.57E, h7km, ML2.6
CSEM 13 21:05:53.0, 38.79N, 43.63E, h5km, ML2.6, Error ellipse: s-maj=8.1km s-min=4.7km az=81.0

ISK 13 21:05:54.1, 1.0, 38.79N, 0.02, 43.60E, 0.04, h15km, 8km, n34, 0.688/47, Turkey

ISCJB 13 22:33:31.4, 1.0, 4.82S, 0.09, 144.9E, 0.1, h54km, mb3.7/6, Error ellipse: s-maj=21.1km s-min=10.0km az=152.1
IDC 13 22:33:37.5, 4.1, 5.01S, 145.00E, h102km, mb3.4/6, mb1.3/7.9, mb1mx3.5/3.1, mbmp3.9/2.7, Error ellipse: s-maj=30.0km s-min=12.4km az=120.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VMUR Van-Muradiye, VANB Van, TVAN Van, ERVC ERICIS-VAN, ERVC ERICIS-VAN, GEVA Gevas, ADCV BITLIS\_Adilcev, ADCV BITLIS\_Adilcev, TUTA Tuta, TUTA Tuta, AGRB Hanur-Agry, AGRB Hanur-Agry, HAKT HAKKARI, HAKT HAKKARI, EKAR Karacaban, EKAR Karacaban, TABS TABSURUN-IGDIR, TABS TABSURUN-IGDIR, EATA Eleskirt, EATA Eleskirt, EATA Eleskirt, CUKT Cukurca, CUKT Cukurca, SRMT Siirt\_Merkez, SRMT Siirt\_Merkez, SRMT Siirt\_Merkez, DIGO Kars, DIGO Kars, VRTB Varto-Mus, VRTB Varto-Mus, HOMI Horasan, HOMI Horasan, ERZM Erzurum, ERZM Erzurum.

ISK 13 21:40:56.8, 38.89N, 43.64E, h5km, MD2.5
CSEM 13 21:40:57.6, 0.4, 38.92N, 43.58E, h12km, ML2.6, Error ellipse: s-maj=10.6km s-min=4.8km az=79.0
DDA 13 21:40:58.1, 38.90N, 43.54E, h7km, ML2.6
ISC 13 21:40:58.0, 1.1, 38.89N, 0.03, 43.54E, 0.06, h11km, 10km, n18, 0.646/26, Turkey

ISCJB 13 22:33:31.4, 1.0, 4.82S, 0.09, 144.9E, 0.1, h54km, mb3.7/6, Error ellipse: s-maj=21.1km s-min=10.0km az=152.1
IDC 13 22:33:37.5, 4.1, 5.01S, 145.00E, h102km, mb3.4/6, mb1.3/7.9, mb1mx3.5/3.1, mbmp3.9/2.7, Error ellipse: s-maj=30.0km s-min=12.4km az=120.0

KRSC 13 21:32:56.3, 10.0, 50.72N, 157.59E, h41km, 10km, ML3.6, Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VMUR Van-Muradiye, ERVC ERICIS-VAN, VANB Van, TVAN Van, ERVC ERICIS-VAN, ADCV BITLIS\_Adilcev, ADCV BITLIS\_Adilcev, GEVA Gevas, GEVA Gevas, TUTA Tuta, TUTA Tuta, AGRB Hanur-Agry, AGRB Hanur-Agry, CUKT Cukurca, CUKT Cukurca.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PMG Port Moresby, PMG Port Moresby, CTA Charters Tower, WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, STKA Stephens Creek, CMAR Chiang Mai Arr, MKAR Makanchi Array, ILAR Eileison Array, TORD Torodi Arr, DBIC Dimboko.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, SKR Severo-Kuril's, KDTR Khodutka, KDTR Khodutka, ASAK Asacha, MTRV Mtnovka, MTRV Mtnovka, RUS Russkaya, RUS Russkaya, APC Apacha, APC Apacha, DALK Dalny, UGLR Ugljovaya, AVH Avacha, NOK Koryaka, KRM Nalytchevo, SDRL Sedlovina, KRER Koryakskii, SPN Mysl Shipunskii, SPN Mysl Shipunskii, GNL Ganaly, GNL Ganaly.

CSEM 13 21:49:08.7, 0.4, 38.92N, 43.53E, h5km, ML2.7, Error ellipse: s-maj=10.2km s-min=5.7km az=81.0
DDA 13 21:49:08.2, 38.93N, 43.50E, h7km, ML2.7
ISC 13 21:49:08.2, 38.92N, 0.03, 43.52E, h2km, MD2.6
ISCJB 13 21:49:08.2, 0.6, 38.92N, 0.03, 43.52E, 0.06, h4km, 6km, Error ellipse: s-maj=7.3km s-min=4.7km az=5.7

NEIC 13 22:35:09.3, 0.0, 47.83S, 165.96E, h33km, ML4.0 (WEL), After WEL
WEL 13 22:35:08.4, 1.3, 47.91S, 165.97E, h33km, ML4.0/12, 1C-2D, Error ellipse: s-maj=13.2km s-min=9.3km az=90.0, Off west coast of South Island

CSEM 13 21:33:01.7, 0.2, 38.69N, 43.11E, h12km, ML2.4, Error ellipse: s-maj=9.9km s-min=4.8km az=65.0
DDA 13 21:33:01.8, 38.67N, 43.14E, h7km, ML2.4
ISC 13 21:33:01.4, 38.69N, 43.10E, h5km, MD2.6
ISCJB 13 21:33:02.0, 0.5, 38.69N, 0.04, 43.13E, 0.05, h15km, Error ellipse: s-maj=7.0km s-min=4.3km az=138.5

ISC 13 21:49:08.7, 0.9, 38.91N, 0.02, 43.55E, 0.05, h10km, 7km, n28, 0.698/38, Turkey

ISCJB 13 22:37:50.6, 1.0, 6.67S, 150.46E, h66km, mb4.2/6, mb1.4/5.7, mb1mx4.0/3.0, mbmp4.3/2.1, MS2.9/3, Ms1.2/9.3, ms1mx2.7/3.1, Error ellipse: s-maj=55.0km s-min=20.5km az=118.0

ISC 13 21:33:01.5, 1.0, 38.67N, 0.03, 43.10E, 0.03, h15km, n18, 0.640/26, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VMUR Van-Muradiye, VMUR Van-Muradiye, ERVC ERICIS-VAN, ERVC ERICIS-VAN, VANB Van, VANB Van, TVAN Van, TVAN Van, ADCV BITLIS\_Adilcev, ADCV BITLIS\_Adilcev, GEVA Gevas, GEVA Gevas, TUTA Tuta, TUTA Tuta, AGRB Hanur-Agry, AGRB Hanur-Agry, TABS TABSURUN-IGDIR, TABS TABSURUN-IGDIR, EKAR Karacaban, EKAR Karacaban, EATA Eleskirt, EATA Eleskirt, SRMT Siirt\_Merkez, SRMT Siirt\_Merkez, CUKT Cukurca, CUKT Cukurca, SENK Senkaya-Erzuru, SENK Senkaya-Erzuru, ENAT ENAT, ENAT ENAT.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like APZ The Paps, APZ The Paps, APZ The Paps, Puysegur Point, Puysegur Point, WHZ Wether Hill, WHZ Wether Hill, WHZ Wether Hill, WHZ Wether Hill, SYZ Scrubby Hill, SYZ Scrubby Hill, SYZ Scrubby Hill, SYZ Scrubby Hill, DCZ Deep Cove, DCZ Deep Cove, DCZ Deep Cove, DCZ Deep Cove, MLZ Mavora Lakes, MLZ Mavora Lakes, MLZ Mavora Lakes, MLZ Mavora Lakes, Tuapeka, Tuapeka, Tuapeka, Tuapeka, MSZ Milford Sound, MSZ Milford Sound, MSZ Milford Sound, MSZ Milford Sound, EAZ Earnsclough, EAZ Earnsclough, EAZ Earnsclough, EAZ Earnsclough, WKZ Wanaka, WKZ Wanaka, WKZ Wanaka, WKZ Wanaka, JCZ Jackson Bay, JCZ Jackson Bay, JCZ Jackson Bay, JCZ Jackson Bay, ODZ Otahua Downs, ODZ Otahua Downs, ODZ Otahua Downs, ODZ Otahua Downs, LBZ Lake Benmore, LBZ Lake Benmore, LBZ Lake Benmore, LBZ Lake Benmore, FOZ Fox Glacier, FOZ Fox Glacier, FOZ Fox Glacier, FOZ Fox Glacier, WVZ Waitaha Valley, WVZ Waitaha Valley, WVZ Waitaha Valley, WVZ Waitaha Valley, DSZ Denniston Nort, DSZ Denniston Nort, DSZ Denniston Nort, DSZ Denniston Nort, QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VANB Van, VANB Van, VANB Van, TVAN Van, TVAN Van, TVAN Van, ADCV BITLIS\_Adilcev, ADCV BITLIS\_Adilcev, ADCV BITLIS\_Adilcev, GEVA Gevas, GEVA Gevas, ERVC ERICIS-VAN, ERVC ERICIS-VAN, TUTA Tuta, TUTA Tuta, AGRB Hanur-Agry, AGRB Hanur-Agry, EATA Eleskirt, EATA Eleskirt, CUKT Cukurca, CUKT Cukurca.

DJA 13 22:03:54.8, 0.7, 5.8, -13.0E, h222km, 6km, MA2/3, mb6.3/1, mb5.0/2, MLV3.9/3, MW(m)6.0/1, Banda Sea

ISCJB 13 22:37:50.6, 1.0, 6.67S, 150.46E, h66km, mb4.2/6, mb1.4/5.7, mb1mx4.0/3.0, mbmp4.3/2.1, MS2.9/3, Ms1.2/9.3, ms1mx2.7/3.1, Error ellipse: s-maj=55.0km s-min=20.5km az=118.0

ISCJB 13 21:35:29.6, 1.0, 38.75N, 0.04, 43.50E, 0.09, h13km, Error ellipse: s-maj=9.9km s-min=6.0km az=16.8
CSEM 13 21:35:29.4, 0.5, 38.78N, 43.50E, h10km, ML2.5, Error ellipse: s-maj=13.5km s-min=8.1km az=88.0
DDA 13 21:35:29.9, 38.74N, 43.47E, h7km, ML2.5
ISC 13 21:35:29.9, 38.75N, 0.03, 43.49E, 0.05, h13km, n14, 0.647/20, Turkey

BNDI Bandanaira, BNDI Bandanaira, FAKI Fak Fak, FAKI Fak Fak, Soe, Soe, SGSI Sangihe, SGSI Sangihe.

ISCJB 13 22:37:50.6, 1.0, 6.67S, 150.46E, h66km, mb4.2/6, mb1.4/5.7, mb1mx4.0/3.0, mbmp4.3/2.1, MS2.9/3, Ms1.2/9.3, ms1mx2.7/3.1, Error ellipse: s-maj=55.0km s-min=20.5km az=118.0

ISCJB 13 21:35:29.6, 1.0, 38.75N, 0.04, 43.50E, 0.09, h13km, Error ellipse: s-maj=9.9km s-min=6.0km az=16.8
CSEM 13 21:35:29.4, 0.5, 38.78N, 43.50E, h10km, ML2.5, Error ellipse: s-maj=13.5km s-min=8.1km az=88.0
DDA 13 21:35:29.9, 38.74N, 43.47E, h7km, ML2.5
ISC 13 21:35:29.9, 38.75N, 0.03, 43.49E, 0.05, h13km, n14, 0.647/20, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, STKA Stephens Creek, STKA Stephens Creek, TAPN Tapplejung, TAPN Tapplejung, ODAN Odane, ODAN Odane, RAMM Ramite, RAMM Ramite, JIRN Jiri, JIRN Jiri, GUN Gumba, GUN Gumba.









Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Monte Paganucc, FSSB, ATTE, etc.

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

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

14d 1h

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

ATA 14 00:59:00.1±0.7, 38°11'N-43°49'E, h0km, 5km, ML3.5, MW3.9

ISK 14 00:59:00.8, 38°58'N-43°56'E, h5km, ML3.0

ISCJB 14 00:59:02.8±0.6, 38°83'N-02°43'E, h0km, 4km, Error ellipse: s-maj=6.5km s-min=3.8km az=17.7

DDA 14 00:59:02.3, 38°84'N-43°46'E, h8km, ML3.3

CSEM 14 00:59:02.4±0.3, 38°86'N-43°51'E, h2km, ML3.3, Error ellipse: s-maj=6.3km s-min=3.9km az=91.0

ISC 14 00:59:02.7±0.9, 38°86'N-02°43'E, h14km, 7km, n66, c093/84, Turkey

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

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Table with columns: EATA, ELESKIRT, Pn, Time, Res, ISC. Lists stations like ELESKIRT, TASBURUN-IGDIR, etc.

ISCJB 14 01:03:17.8±0.3, 22°38'S-0°07', 12°86'W±0°07', h10km, mb4.2/25, MS4.2/28, Error ellipse: s-maj=10.2km

s-min=8.8km az=142.3

ISC 14 01:03:18.3±0.5, 22°40'S-12°80'W, h0km, mb4.1/20, mb1.4/22, mb1mx4.1/39, mbtmp4.1/20, MS4.2/28, MS1.4/28, ms1mx4.1/33, Error ellipse: s-maj=16.7km

s-min=13.7km az=135.0

NEIC 14 01:03:19.8±0.3, 22°41'S-12°80'W, h10km, mb4.5/3, Error ellipse: s-maj=11.6km s-min=9.0km az=141.0

GCMT 14 01:03:19.8±0.2, 22°45'S-12°67'W, h14km, 1km, MW5.0/101, Moment Tensor Solution. s43,c52; s101,c147; Duration: 0 Moment tensor: Scale 10^16Nm; Mr-0.22±.12; Mw-1.56±.11; Mo-1.79±.12; Mo-0.77±.25; Mo-3.96±.11; Mo-1.27±.28; Best double couple: M4, 51700x10^16

NP1=167.00000°, 0.78, 0.00000°, 0.168, 0.00000°. NP2: 0.600, 0.00000°, 3.72, 0.00000°, 1.1, 0.00000°. Principal axes: T 4.8490, Plg16.0000°, Azm123.0000°, P -0.6570, Plg74.0000°, Azm307.0000°, P -4.1860, Plg1.0000°, Azm214.0000°. nsta1 refers to surface waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 14 01:03:19.7±0.4, 22°40'S-0°09', 12°83'W±0°09', h10km, n60, c148/40, mb4.2/25, MS4.2/28, 1D, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like H10S2, H10S3, etc.

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Table with columns: ROSC, EI ROSAL, LR, Time, Res, ISC. Lists stations like ROSC, NORC, etc.

IDC 14 01:20:56.6±2.0, 4.82S-151°93E, h0km, mb3.8/4, mb1.4/5, mb1mx3.6/33, mbtmp3.9/5, ML1.7/1, MS3.3/2, MS1.3/2, ms1mx2.6/26, Error ellipse: s-maj=125.5km

s-min=22.8km az=129.0, New Britain region

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

ISK 14 01:21:15.6, 38°57'N-43°58'E, h10km, MD2.7

ISCJB 14 01:21:16.5±0.7, 38°50'N-0°04', 43°29'E±0°06', h13km, 5km, Error ellipse: s-maj=8.5km s-min=6.6km az=39.2

CSEM 14 01:21:16.2±0.4, 38°50'N-43°31'E, h8km, 3km, ML2.7, Error ellipse: s-maj=12.2km s-min=9.4km az=93.0

DDA 14 01:21:16.7, 38°46'N-43°26'E, h7km, ML2.7

ISC 14 01:21:16.4±1.1, 38°50'N-0°04', 43°29'E±0°05', h14km, 8km, n18, c055/26, Turkey

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

IDC 14 01:33:44.0±0.9, 9°11'S-125°83'E, h0km, mb3.9/6, mb1.4/0, mb1mx3.8/37, mbtmp4.0/8, ML4.1/2, MS3.1/1, MS1.3/1, ms1mx2.5/30, Error ellipse: s-maj=54.2km

s-min=19.5km az=74.0

ISCJB 14 01:33:44.0±0.7, 9°44'S-0°07', 126°0'E±0.1, h33km, mb3.9/6, Error ellipse: s-maj=21.7km s-min=7.1km az=161.9

ISC 14 01:33:48.1±0.8, 9°33'S-0°08', 126°1'E±0.2, h35km, n10, c2517/13, mb3.9/6, Timor region

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

ISK 14 01:33:58.6,38.73N:43.10E,h10km,MD2.6
ISCJB 14 01:33:60.0,38.73N:0.03:43.18E,0.05,h12km,6km,
Error ellipse: s-maj=7.0km s-min=5.0km az=168.2
CSEM 14 01:33:59.6,0.3,38.73N:43.11E,h8km,MD2.6,Error
ellipse: s-maj=8.8km s-min=4.9km az=74.0
DDA 14 01:33:59.5,38.73N:43.20E,h7km,ML2.5
ISC 14 01:33:58.8,0.3,38.75N:0.02:43.11E:0.04,h10km,10km,
n24, c063/34, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like VANB, ADCV, TVAN, etc.

ISN 14 01:51:00.7,1.1,39.23N:44.03E,h0km,128km,ML3.8
ATA 14 01:51:07.7,1.1,38.88N:43.49E,h0km,4km,ML4.0,
MW4.0

DDA 14 01:51:08.1,38.87N:43.67E,h5km,ML3.8
ISC 14 01:51:08.4,38.85N:43.52E,h5km,ML3.3
CSEM 14 01:51:09.0,1.1,38.84N:43.53E,h2km,ML3.3,Error
ellipse: s-maj=3.6km s-min=2.9km az=154.0

AZER 14 01:51:09.2,0.5,38.69N:43.56E,h4km,Error ellipse:
s-maj=3.7km s-min=2.7km az=35.0
ISC 14 01:51:09.0,1.1,38.86N:0.02:43.57E:0.02,h4km,9km,
n122, c1945/172, 18C-15D, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like ERCV, VANB, TVAN, etc.

ISK 14 01:53:26.8,38.90N:43.61E,h5km,MD2.6
ISCJB 14 01:53:28.7,0.8,38.90N:0.03:43.60E:0.07,h11km,5km,
Error ellipse: s-maj=9.1km s-min=4.5km az=179.4
CSEM 14 01:53:28.1,0.4,38.91N:43.61E,h8km,ML2.9,Error
ellipse: s-maj=8.1km s-min=4.0km az=84.0
DDA 14 01:53:28.8,38.90N:43.56E,h7km,ML2.9
ISC 14 01:53:28.2,1.3,38.88N:0.02:43.61E:0.06,h9km,11km,
n24, c059/37, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like ERCV, VANB, TVAN, etc.

Table with columns: ERZM, BTM, etc. Lists stations like Erzurum, Batman, etc.

Table with columns: ERZM, BTM, etc. Lists stations like Erzurum, Batman, etc.

ISK 14 01:58:12.7,38.90N:43.60E,h5km,ML3.2
CSEM 14 01:58:13.2,38.92N:43.61E,h2km,ML3.2,Error
ellipse: s-maj=6.5km s-min=3.9km az=97.0
DDA 14 01:58:13.2,38.88N:43.57E,h14km,ML3.3
ISC 14 01:58:13.0,1.4,38.90N:0.02:43.60E:0.04,h0km,12km,
n52, c097/61, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like ERCV, VANB, TVAN, etc.

Table with columns: TVAN, Van, etc. Lists stations like Van, Diyarbakir, etc.

CSEM 14 02:01:35.9,38.84N:43.66E,h9km,MD2.5
ISK 14 02:01:35.9,38.84N:43.66E,h9km,MD2.5
ISCJB 14 02:01:36.7,1.2,38.88N:0.04:43.6E:0.1,h13km,Error
ellipse: s-maj=12.1km s-min=6.0km az=178.7
ISC 14 02:01:36.7,1.3,38.86N:0.04:43.62E:0.06,h13km,n12,
c056/15, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like ERCV, VANB, TVAN, etc.

IDC 14 02:02:46.0,0.8,37.52N:23.53W,h0km,mb3.9/17,
mb1.4,1/17,mb1mx3.9/42,mbtm3.9/17,MS3.4/12,
Ms1.3,4/12,ms1mx3.1/43,Error ellipse: s-maj=20.0km
s-min=17.1km az=152.0

CSEM 14 02:02:46.7,0.2,37.50N:23.76W,h10km,mb4.2B
NEIC 14 02:02:47.0,4.0,37.56N:23.70W,h10km,mb4.6/2,
ML4.1(SVSA),Error ellipse: s-maj=11.6km s-min=5.6km
az=176.0
PDA 14 02:02:50.6,1.2,37.44N:23.71W,h5km,MD4.2,ML4.1,
Error ellipse: s-maj=7.2km s-min=5.2km az=66.0
ISC 14 02:02:46.2,1.5,37.48N:0.06:23.76W:0.04,h6km,10km,
n109, c1962/110,mb3.9/28,MS3/12,1C-7D,Azores

Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like PSMN, BART, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BBOD La Paz, Gloria, BBOD La Paz, Bander, LPAZ La Paz, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PNIG Pinotepa, TLIG Tlapa, VHO Vista Hermosa, etc.

MEX 14 02:52:58.70.5, 16.00N-98.10W, h4km, 4km, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ELZG Elazig, AKCD Akcadag, SVRC Sivasice-ELAZID, etc.

IDC 14 03:02:19.7.2.2.2, 18N-125.54E, h0km, mb3.8/4, mb1 4.0/4, mb1mx3.5/39, mbtmp3.8/4, Error ellipse: s-maj=270.9km s-min=24.6km az=64.0

ISCJ 14 03:02:50.4.1.4, 0.8N-0.1E, 124.26E-0.06, h250km, mb3.5/4, Error ellipse: s-maj=20.6km s-min=7.8km az=2.5

DJA 14 03:02:53.8.0.8, 1.7E, 12.4E, h190km, MB3.8/5, ML3.8/5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MRSI Marisa, LUWI Luwuk, APSI Ampana, etc.

ISCJ 14 03:06:54.5.0.3, 43.77N-0.04, 142.72E-0.05, h197km, 2km, mb3.6/16, Error ellipse: s-maj=6.8km s-min=6.0km az=140.0

JMA 14 03:06:55.8.0.2, 43.80N-142.71E, h193km, 2km, M3.5

IDC 14 03:06:55.7.0.5, 43.90N-142.69E, h188km, 1km, mb3.5/16, mb1 3.6/19, mb1mx3.5/35, mbtmp4.0/19, Error ellipse: s-maj=14.7km s-min=11.3km az=98.0

ISC 14 03:06:55.7.0.6, 43.77N-0.05, 142.74E-0.05, h194km, 5km, n41, 0.99N/58, mb3.7/16, Hokkaido region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ASAJ Ashibetsu, JAB Maruseppu, JAB Furan, etc.

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

ISC 14 03:09:35.7.38, 67N-43.29E, h5km, MD2.8

ISCJ 14 03:09:36.9.0.5, 38.68N-0.03, 43.26E-0.06, h5km, 7km, Error ellipse: s-maj=7.4km s-min=4.8km az=167.7

CSEM 14 03:09:36.6.0.2, 38.68N-43.24E, h2km, MD2.8, Error ellipse: s-maj=6.7km s-min=4.3km az=75.0

DDA 14 03:09:36.2.7, 38.70N-43.22E, h7km, MD2.6

IDC 14 03:09:36.1.0.9, 38.67N-0.03, 43.25E-0.04, h16km, 8km, n20, 0.65N/30, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VANB Van, ERVC ERIS-VAN, ERVC ERIS-VAN, etc.

ATA 14 03:27:47.2.1.4, 38.68N-43.17E, h15km, 27km, ML3.3, MW3.3

ISC 14 03:27:47.8.38, 67N-43.15E, h2km, ML2.7, Error ellipse: s-maj=5.0km s-min=4.0km az=89.0

DDA 14 03:27:48.5.38, 67N-43.13E, h8km, M3.3

ISC 14 03:27:49.2.0.9, 38.68N-0.02, 43.13E-0.02, h12km, 8km, n62, 0.99N/82, 2D, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VANB Van, ERVC ERIS-VAN, ERVC ERIS-VAN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AGRB Hanur-Agry, AGRB Hanur-Agry, DYDN Diyadin, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BUJ 14 04:05:09.1.0, 95S-126.90E, h20km, mb6.0/85, mb6.4/63, etc.

NEIC 14 04:05:11.4.0.1, 0.95S-126.91E, h17km, mb6.2/113, ME6.7, MS6.2/150, MW6.2, MW6.3, MW6.3, MW6.3, Error ellipse: s-maj=3.7km s-min=2.9km az=58.0, Moment Tensor Solution: s29 Moment Tensor Scale 1018Nm; Mr=0.49; Mw=1.50; Mw=1.01; Mw=0.88; Mw=1.27; Mw=1.66; Best double couple: M=2.60000e+10 Np1=28.00000e+08, 0.85.00000e+08, -1.32.00000e+08, NP2=290.00000e+08, 4.2.00000e+08, -1.0.00000e+08. Principal axes: T 2.7500, Plg2=26.0000e+08, Azm150.0000e+08, N -0.2600, Plg41.0000e+08, Azm34.0000e+08, Plg37.0000e+08, Azm26.0000e+08, Broadband fault plane projection: P waves. NP1: 4.2.00000e+08, 860.00000e+08, -1.6.00000e+08, NP2=30.00000e+08, 285.00000e+08, -1.150.00000e+08. Principal axes: T Plg17.0000e+08, Azm160.0000e+08, N Plg0.0000e+08, Azm0.0000e+08, Plg24.0000e+08, Azm258.0000e+08, Complex earthquake observed on broadband displacement seismograms. A small event is followed by a larger one about 3 seconds later. Depth from synthetics of broadband displacement seismograms based on first event. Energy computed from ebt mechanism.

NEIC 14 04:05:11.4.0.1, 0.95S-126.91E, h17km, mb6.2/113, ME6.7, MS6.2/150, MW6.2, MW6.3, MW6.3, MW6.3, Error ellipse: s-maj=3.7km s-min=2.9km az=58.0, Moment Tensor Solution: s29 Moment Tensor Scale 1018Nm; Mr=0.49; Mw=1.50; Mw=1.01; Mw=0.88; Mw=1.27; Mw=1.66; Best double couple: M=2.60000e+10 Np1=28.00000e+08, 0.85.00000e+08, -1.32.00000e+08, NP2=290.00000e+08, 4.2.00000e+08, -1.0.00000e+08. Principal axes: T 2.7500, Plg2=26.0000e+08, Azm150.0000e+08, N -0.2600, Plg41.0000e+08, Azm34.0000e+08, Plg37.0000e+08, Azm26.0000e+08, Broadband fault plane projection: P waves. NP1: 4.2.00000e+08, 860.00000e+08, -1.6.00000e+08, NP2=30.00000e+08, 285.00000e+08, -1.150.00000e+08. Principal axes: T Plg17.0000e+08, Azm160.0000e+08, N Plg0.0000e+08, Azm0.0000e+08, Plg24.0000e+08, Azm258.0000e+08, Complex earthquake observed on broadband displacement seismograms. A small event is followed by a larger one about 3 seconds later. Depth from synthetics of broadband displacement seismograms based on first event. Energy computed from ebt mechanism.

MOS 14 04:05:11.1.1.1, 0.89S-126.84E, h25km, mb6.3/77, MS5.9/61, Error ellipse: s-maj=7.1km s-min=4.2km az=112.6

GCMT 14 04:05:11.4.0.1, 0.95S-126.89E, h15km, MW6.4/151, Moment Tensor Solution: s145.c331; s151.c551; Duration: 38 Moment Tensor Scale: 1019Nm; Mw=0.57; Mw=0.51; Mw=1.53; Mw=1.01; Mw=0.53; Mw=0.53; Mw=1.70; Mw=1.01; Mw=1.21; Mw=1.05; Best double couple: M=4.78000e+10 Np1=24.00000e+08, 0.84.00000e+08, -1.24.00000e+08, NP2=284.00000e+08, 0.85.00000e+08, -1.11.00000e+08. Principal axes: T 3.4500, Plg30.0000e+08, Azm14.0000e+08, N 1.2600, Plg34.0000e+08, Azm28.0000e+08, -5.6100, Plg41.0000e+08, Azm261.0000e+08, nstia refers to body waves, cutoff=40s. nstia2 refers to surface/mantle waves, cutoff=50s.

ISCJ 14 04:05:11.2.0.4, 0.95S-0.01E, 126.92E-0.01, h27km, 2km, mb6.0/242, MS6.0/220, Error ellipse: s-maj=2.5km s-min=2.0km az=149.0

DJA 14 04:05:12.6.0.4, 1.1S-11.7E, h18km, 3km, M6.5/92, mb6.4/92, mb6.7/89, ML6.5/17, Mw(MB)6.6/89, Mw(MB)6.6/89, NEIC 14 04:05:12.0.0.0, 0.95S-126.86E, h19km, Moment Tensor Solution: s20 Moment Tensor Scale 1018Nm; Mr=1.05; Mw=2.05; Mw=1.00; Mw=1.12; Mw=1.53; Mw=1.28; Best double couple: M=3.30000e+10 Np1=32.00000e+08, 0.78.00000e+08, -1.27.00000e+08, NP2=287.00000e+08, 0.39.00000e+08, -1.8.00000e+08. Principal axes: T 3.5000, Plg23.0000e+08, Azm150.0000e+08, N -0.3700, Plg37.0000e+08, Azm40.0000e+08, P -3.1300, Plg43.0000e+08, Azm264.0000e+08

KLM 14 04:05:14.0.0, 0.91S-126.90E, h44km, mb6.5

NEIC 14 04:05:14.0.0, 0.10S-127.43E, h0km, Moment Tensor Solution: s71 Moment Tensor Scale 1018Nm; Mr=0.73; Mw=2.54; Mw=1.81; Mw=0.48; Mw=1.36; Mw=1.26; Best double couple: M=4.00000e+10 Np1=24.00000e+08, 0.84.00000e+08, -1.24.00000e+08, NP2=33.00000e+08, 0.78.00000e+08, -1.41.00000e+08. Principal axes: T 3.2400, Plg17.0000e+08, Azm158.0000e+08, N 0.2600, Plg50.0000e+08, Azm47.0000e+08, -3.5000, Plg35.0000e+08, Azm260.0000e+08

ISC 14 04:05:12.5.0.3, 0.95S-0.02E, 126.88E-0.02, h24km, 1km, h24km; PP-P, n211, a223P/1516, mb6.1/256, MS6.1/229, 44C-54D, Southern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LBMI Labuha, LBMI Labuha, SANI Sanana, etc.

Table with columns: Station, Frequency, Power, and other parameters. Includes stations like MRSI Marisa, APPI Ampara, FAKI Fak Fak, etc.

Table with columns: Station, Frequency, Power, and other parameters. Includes stations like WRAB, WRA Warrabung Arr, WB2 Warrabung Arr, etc.

Table with columns: Station, Frequency, Power, and other parameters. Includes stations like CTAO, PPSI Pulau Pagal, KULM Kulum, etc.

CM01	Chiang Mai Arr	33.53 306	eP	P	04 11 50.0 -0.6
CM31	Chiang Mai Arr	33.56 306	eP	P	04 11 52.6 +1.7
CMAR	Chiang Mai Arr	33.56 306	eP	P	04 11 51.1 +0.3
CMAR	comp-Z,45nm,0.8s,baz=156,slow=2.1,SNR=30		PcP	PcP	04 14 33.3 +2.0
CMAR	comp-Z,29nm,0.9s,baz=151,slow=2.6,SNR=13		ScP	ScP	04 18 15.5 +0.9
EIDS	Eidsvold	33.69 138	eP	P	04 11 51.2 -0.7
EIDS	Eidsvold	33.69 138	eP	P	04 11 50.7 -1.1
NJ2	Nanjing	33.69 348	eP	P	04 11 53.3 +1.5
NJ2			sP	sP	04 12 01.3 -0.8
NJ2			sS	sS	04 17 20.8 -1.3
NJ2			ScP	ScP	04 18 15.3 +0.6
NJ2			PcS	PcS	04 18 19.3 +2.0
NJ2	comp-Z,210nm,1.0s		pmx	pmx	
NJ2	comp-Z,7µm,4.2s		LR	LR	
NJ2	comp-Z,12µm,19.0s		LR	LR	
NJ2	comp-Z,12µm,16.3s		LR	LR	
NJ2	comp-Z,20µm,23.8s		LR	LR	
CHTO	Chiang Mai	33.75 307	eP	P	04 11 52.3 -0.2
CHTO	Chiang Mai	33.75 307	eP	P	04 11 52.6 +0.1
CHTO	comp-Z,320nm,1.3s		ePcP	PcP	04 14 33.5 +1.6
CHTO	Chiang Mai	33.75 307	eP	P	04 11 52.5 -0.1
CHTO	Chiang Mai	33.75 307	eP	P	04 11 52.5 -0.1
STKA	Stevens Creek	33.75 157	P	P	04 11 51.9 -0.5
STKA	comp-Z,634nm,0.9s,baz=329,slow=9.1,SNR=389		S	S	04 17 11.1 -3.5
STKA	comp-Z,21nm,1.0s,baz=217,slow=19,SNR=2.5		LR	LR	04 28 12.2
STKA	Stevens Creek	33.75 157	P	P	04 11 51.8 -0.5
STKA	comp-Z,34,SNR=527		S	S	04 17 11.1 -3.5
STKA	Stevens Creek	33.75 157	eP	P	04 11 51.8 -0.6
STKA	comp-Z,262nm,1.0s		S	S	04 17 11.1 -3.5
HNR	Honiara	33.96 105	eP	P	04 11 54.0 -0.3
HNR	comp-Z,558nm,0.8s,baz=192,slow=3.6,SNR=48		LR	LR	04 27 28.3
HNR	comp-Z,17µm,19.4s,baz=274,slow=39		P	P	04 11 52.0 -2.4
HNR	Honiara	33.96 105	eP	P	04 11 54.0 -0.3
HNR	comp-Z,1µm,1.2s		ScP	ScP	04 11 54.5 -0.8
JNU	Nakatsue	34.10 6	P	P	04 18 16.2 0.0
JNU	comp-Z,135nm,1.2s,baz=186,slow=6.3,SNR=23		ScP	ScP	04 29 59.5
JNU	comp-Z,32nm,1.2s,baz=135,slow=1.2,SNR=7.0		LR	LR	04 29 59.5
JNU	comp-Z,44nm,18.3s,baz=186,slow=44		P	P	04 11 54.7 -0.7
JNU	Nakatsue	34.10 6	P	P	04 11 55.2 -0.1
JNU	Nakatsue	34.10 6	eP	P	04 18 16.2 0.0
JNU			ScP	ScP	04 11 56.1 -0.5
HTT	Hallett	34.23 162	P	P	04 12 01.4 +0.6
RKGY	Rocky Gully	34.74 194	P	P	04 12 01.4 +0.6
RKGY	baz=35,SNR=15		P	P	04 12 03.8 +1.1
KMI	Kunming	34.90 320	P	P	04 12 08.1 -1.9
KMI			S	S	04 17 36.3 +3.3
KMI			ScP	ScP	04 18 21.1 +1.6
KMI			ScS	ScS	04 22 24.1 +0.8
KMI			pmx	pmx	
KMI	comp-Z,120nm,2.0s		pmx	pmx	
KMI	comp-Z,6µm,11.7s		LR	LR	
KMI	comp-Z,22µm,23.7s		LR	LR	
KMI	comp-Z,16µm,22.9s		LR	LR	
KMI	comp-Z,12µm,25.9s		LR	LR	
JMN	Monobe	35.12 10	P	P	04 12 04.2 0.0
ENH	Enshi	35.20 333	eP	P	04 12 05.7 +0.8
ENH	comp-Z,440nm,0.8s		LR	LR	
CMSA	Cobar Meteorol	35.24 151	P	P	04 12 04.9 -0.3
JWZ	Kozaga	35.30 13	P	P	04 12 06.0 +0.4
JHS	Saijyo	36.24 9	P	P	04 12 14.3 +0.5
JHE	Ise	36.35 14	P	P	04 12 15.0 +0.3
JWT	Wachi	36.92 12	P	P	04 12 19.4 -0.1
TJN	Taejon	37.14 10	iP	P	04 12 21.2 -0.2
INU	Inuyama	37.34 14	eP	P	04 12 22.1 -0.9
ARMA	Armidale	37.56 144	P	P	04 12 25.4 +0.2
ARMA	comp-Z,221nm,0.9s		P	P	04 12 25.4 +0.2
ARMA	Armidale	37.56 144	eP	P	04 12 25.4 +0.2
ARMA	comp-Z,376nm,1.0s		P	P	04 12 25.7 -0.1
GIF	Kuroka	37.66 14	P	P	04 12 29.5 +0.2
TIA	Tai'an	38.08 347	iP	P	04 12 38.3 -1.4
TIA			sP	sP	04 18 18.9 -1.8
TIA			sS	sS	04 18 28.6 -0.7
TIA			pmx	pmx	
TIA	comp-Z,170nm,1.3s		LR	LR	
TIA	comp-Z,15µm,22.0s		LR	LR	
TIA	comp-Z,8µm,19.4s		LR	LR	
TIA	comp-Z,23µm,23.5s		LR	LR	
KS15	Wonju Array Si	38.22 1	eP	P	04 12 31.4 +0.9
KSAR	Wonju Array Be	38.22 1	P	P	04 12 30.9 +0.5
KSAR			P	P	04 18 31.5
KSAR	Wonju Array Be	38.22 1	P	P	04 12 30.9 +0.5
KSAR			PcP	PcP	04 14 47.3 +2.6
KSAR			ScP	ScP	04 18 31.5 +0.4
KSRS	Korea Array	38.23 1	P	P	04 12 30.9 +0.4
KSRS	comp-Z,120nm,0.6s,baz=178,slow=9.8,SNR=222		PcP	PcP	04 14 47.3 +2.6
KSRS	comp-Z,18nm,0.7s,baz=188,slow=2.8,SNR=4.9		ScP	ScP	04 18 31.5 +0.3
KS01	Wonju Array Si	38.25 1	eP	P	04 12 31.0 -0.6
JRY	Ryogami san	38.45 16	P	P	04 12 31.4 -1.1
CD2	Chengdu	38.57 327	P	P	04 12 33.5 -0.1
CD2			pP	pP	04 12 39.0 -2.0
CD2			P	P	04 14 03.6 -0.6
CD2			sS	sS	04 18 28.4 0.0
CD2			pmx	pmx	04 18 40.4 -0.2
CD2	comp-Z,430nm,1.4s		pmx	pmx	
CD2	comp-Z,10µm,9.7s		LR	LR	
CD2	comp-Z,16µm,17.7s		LR	LR	
CD2	comp-Z,20µm,24.0s		LR	LR	
XAN	Xi'an	38.68 336	P	P	04 12 34.8 +0.3
XAN			pP	pP	04 12 40.8 -1.1
XAN			sP	sP	04 12 43.8 -1.1
XAN			P	P	04 14 05.3 -0.3
XAN			S	S	04 18 26.8 -3.3
XAN	comp-Z,630nm,1.1s		pmx	pmx	
XAN	comp-Z,7µm,7.7s		LR	LR	
XAN	comp-Z,3µm,16.2s		LR	LR	
XAN	comp-Z,8µm,18.2s		LR	LR	
XAN	comp-Z,10µm,17.2s		LR	LR	
MAJO	Matsushiro	38.76 15	eP	P	04 12 33.7 -1.4

MAJO			eS	S	04 18 33.1 +2.0
MAJO			pmx	pmx	
MAJO	comp-Z,430nm,1.5s				
MAJO	Matsushiro	38.76 15	eP	P	04 12 33.7 -1.4
MAJO	comp-Z,434nm,1.5s		ePcP	PcP	04 14 48.0 +1.5
MAJO			LR	LR	
MAT	Matsushiro	38.76 15	P	P	04 12 33.4 -1.7
MAT			S	S	04 18 26.2 -4.9
MAT	Matsushiro	38.76 15	P	P	04 12 34.3 -0.8
MJAR	Matsushiro Arr	38.76 15	P	P	04 12 33.5 -1.6
MJAR	comp-Z,59nm,0.7s,baz=188,slow=9.2,SNR=52		ScP	ScP	04 18 33.0 -0.3
MJAR	comp-Z,136nm,1.1s,baz=202,slow=4.1,SNR=36		LR	LR	04 27 35.6
MJB9	Matsu-Tunnel	38.77 15	eP	P	04 12 34.3 -0.9
MJB9	comp-Z,24µm,20.5s,baz=210,slow=35				
MJB9	comp-Z,467nm,1.6s		eS	S	04 18 33.3 +2.1
MJB9	Young	38.80 151	P	P	04 12 36.0 +0.6
MJB9	baz=39,SNR=74		P	P	04 12 41.0 +1.1
MGC0	Mangrove Creek	39.34 147	P	P	04 12 45.6 +0.7
MGC0	baz=39,SNR=20		eP	P	04 12 45.5 +0.7
CAN	Canberra	39.92 151	eP	P	04 12 45.5 +0.7
CAN	comp-Z,2µm,1.9s		eP	P	04 12 45.5 +0.7
CAN	Canberra	39.92 151	eP	P	04 12 45.5 +0.7
CAN	comp-Z,2µm,1.9s		LR	LR	
DL2	Dalian	39.96 354	iP	P	04 12 45.3 +0.3
DL2			ScP	ScP	04 18 37.9 +0.1
DL2			S	S	04 18 47.5 -1.4
DL2	comp-Z,290nm,1.3s		pmx	pmx	
DL2	comp-Z,5µm,10.3s		LR	LR	
DL2	comp-Z,10µm,21.6s		LR	LR	
DL2	comp-Z,16µm,17.7s		LR	LR	
DL2	comp-Z,22µm,23.5s		LR	LR	
CNB	Canberra Magne	40.09 151	P	P	04 12 48.0 +1.7
CNB	baz=40,SNR=11		P	P	04 12 49.0 +1.2
TOO	Toolang	40.27 157	P	P	04 12 52.3 +0.8
TOO	baz=40,SNR=88		eP	P	04 19 02.0 +1.3
TIY	Taiyuan	40.73 342	eP	P	04 19 13.8 +0.9
TIY			S	S	04 19 13.8 +0.9
TIY			pmx	pmx	
TIY	comp-Z,450nm,0.8s		LR	LR	
TIY	comp-Z,5µm,5.2s		LR	LR	
TIY	comp-Z,4µm,11.4s		LR	LR	
TIY	comp-Z,6µm,13.7s		LR	LR	
TIY	comp-Z,30µm,44.1s		LR	LR	
IMP	Imphal	40.92 311	eP	P	04 12 53.0 -0.3
IMP			x	x	04 18 41.0
JYA	Atsumi	41.09 15	P	P	04 12 55.3 +0.9
JYA	Mila	41.40 153	P	P	04 12 57.6 +0.5
BJT	Baijiatou	41.94 348	eP	P	04 13 01.4 +0.1
BJT	baz=42,SNR=9.4		e	e	04 14 56.6
BJT			pmx	pmx	
BJT	comp-Z,347nm,0.8s		MLR	MLR	
BJT	comp-Z,16µm,22.0s		MLR	MLR	
BJT	Baijiatou	41.94 348	eP	P	04 13 01.4 +0.1
BJT	comp-Z,348nm,0.8s		ePcP	PcP	04 14 56.6 +0.1
BJT			LR	LR	
BJI	Beijing	41.96 348	P	P	04 13 01.4 0.0
BJI			PP	PP	04 14 38.3 -0.5
BJI			PcP	PcP	04 14 57.3 +0.7
BJI			ScP	ScP	04 18 49.8 +1.0
BJI			PcS	PcS	04 18 53.5 +2.4
BJI			S	S	04 19 16.8 -1.8
BJI			sS	sS	04 19 29.0 +1.7
BJI			ScS	ScS	04 23 02.3 -0.5
BJI			pmx	pmx	
BJI	comp-Z,330nm,1.1s		pmx	pmx	
BJI	comp-Z,7µm,10.0s		LR	LR	
BJI	comp-Z,11µm,21.9s		LR	LR	
BJI	comp-Z,9µm,19.9s		LR	LR	
BJI	comp-Z,17µm,27.8s		LR	LR	
LZH	Lanzhou	42.64 332	eP	P	04 13 08.9 +1.6
LZH			pP	pP	04 13 13.9 -0.9
LZH			sP	sP	04 13 17.4 -0.4
LZH			ScP	ScP	04 14 50.8 +4.3
LZH			PcP	PcP	04 15 00.8 +1.6
LZH			ScP	ScP	04 18 49.8 +1.0
LZH			PcS	PcS	04 18 53.5 +2.0
LZH			eS	eS	04 19 31.6 +2.4
LZH			sS	sS	04 19 42.3 +0.8
LZH			ScS	ScS	04 22 36.0 -4.0
LZH			pmx	pmx	04 23 08.1 +0.5
LZH	comp-Z,3µm,1.3s		pmx	pmx	
LZH	comp-Z,8µm,4.0s		LR	LR	
LZH	comp-Z,8µm,13.6s		LR	LR	
LZH	comp-Z,13µm,14.9s		LR	LR	
LZH	comp-Z,24µm,15.1s		LR	LR	
SNY	Shenyang	42.69 356	iP	P	04 13 07.3 -0.1
SNY			S	S	04 19 28.8 -0.6
SNY	comp-Z,45nm,0.7s		pmx	pmx	
SNY	comp-Z,1µm,2.7s		LR	LR	
SNY	comp-Z,13µm,20.4s		LR	LR	
SNY	comp-Z,6µm,24.7s		LR	LR	
SNY	comp-Z,21µm,20.0s		LR	LR	
SHL	Shillong	42.89 310	iP	PDN	04 13 09.0 -0.5
SHL			eP	eP	04 19 28.8 -5.2
LHI	Lord Howe Isla	43.01 138	P	P	04 13 09.5 -0.7
LHI	baz=43,SNR=3.2				
MSHR	Mys Shultsa	43.51 50	iP	P	04 13 14.3 +0.3
DZM	Mont Dzumac	43.85 121	P	P	04 13 17.5 +0.3
DZM	comp-Z,127nm,1.1s,baz=305,slow=6.8,SNR=26		ScP	ScP	04 18 55.4 +1.5
DZM	comp-Z,27nm,1.2s,baz=282,slow=9.1,SNR=3.9		P	P	04 13 17.7 +0.4
DZM	Mont Dzumac	43.85 121	eP	P	04 13 17.7 +0.4
DZM	comp-Z,510nm,1.3s		ScP	ScP	04 18 55.4 +1.5
DZM			P	P	04 13 18.3 +1.1
DZM			PcP	PcP	04 15 02.5 -0.7
HHC	Hu-ho-hao-te	43.88 343	eP	P	04 19 48.9 +1.7
HHC			S	S	04 19 58.9 -0.6
HHC			ScS	ScS	04 21 57.8 -1.5
HHC			pmx	pmx	
HHC					









Table with columns for station name, frequency, and signal strength. Includes stations like SNA, Cervenic-Dubn, Stebnicka Huta, Krukupnik, etc.

Table with columns for station name, frequency, and signal strength. Includes stations like GO Pecny, Ondr, PRU Pruhonice, BRG Berggiesshobel, etc.

Table with columns for station name, frequency, and signal strength. Includes stations like RETA, FETA Feichten, WVD Wild Horse Val, etc.



Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BBTS Babate, BBTs BBTs, BBTs BBTs, etc.

Table for DJA 14 04:13:47.0±0.5, 1°S, 4°12'E, h15km, M4.4/7, MLV4.4/7, Southern Molucca Sea. Includes stations like LBMI Labuha, LBMI Sanana, etc.

Table for DJA 14 04:16:02.9±1.5, 0°72'S, 127°99'E, h0km, mb3.8/4, mb1.4/1.4, mb1mx3.8/39, mbtmp3.9/4, Error ellipse: s-maj=128.8km s-min=22.4km az=70.0. Includes stations like LBMI Labuha, LBMI Sanana, etc.

Table for MEX 14 04:19:59.8±0.3, 19°13'N, 104°20'W, h7km, 3km, MD3.6. Includes stations like LBMI Sanana, LBMI Namlea, etc.

Table for GUC 14 04:24:39.2±0.7, 30°18'S, 70°88'W, h75km, 8km, ML3.5, Chile-Argentina border region. Includes stations like TLL Tololo Astrono, TLL Lololo, etc.

Table for DJA 14 04:25:42.0±0.8, 0°96'S, 126°94'E, h0km, mb4.4/9, mb1.4/1.0, mb1mx4.1/40, mbtmp4.3/10, ML3.8/1, Error ellipse: s-maj=36.0km s-min=14.6km az=75.0. Includes stations like LBMI Labuha, LBMI Sanana, etc.

Table for DJA 14 04:25:45.0±0.3, 0°91'S, 126°89'E, h34km, mb4.2/9, Error ellipse: s-maj=34.7km s-min=3.7km az=31.5. Includes stations like LBMI Labuha, LBMI Sanana, etc.

Table for DJA 14 04:27:02.0±0.7, 53°32'N, 167°21'W, h0km, mb4.1/12, mb1.4/3.1, mb1mx3.9/63, mbtmp4.0/13, ML3.9/1, Error ellipse: s-maj=25.8km s-min=15.5km az=1.0. Includes stations like LBMI Labuha, LBMI Sanana, etc.

Table for DJA 14 04:27:37.1±0.7, 53°40'N, 166°16'W, h0km, mb4.3/40, mb1.4/3.40, Error ellipse: s-maj=8.2km s-min=3.0km az=154.3. Includes stations like MGOD Makushin Gods, UNV Unalaska Valle, etc.

Table for DJA 14 04:31:43.2±0.9, 1°05'S, 126°85'E, h0km, mb3.9/6, mb1.4/1.6, mb1mx3.8/40, mbtmp4.0/6, Error ellipse: s-maj=85.6km s-min=17.7km az=72.0. Includes stations like STKA Stephens Creek, KSRW Korea Array, etc.

Table for DJA 14 04:31:46.7±0.7, 1°S, 127°7'E, h14km, 6km, M4.3/7, mb4.5/1, MLV4.2/7. Includes stations like LBMI Labuha, LBMI Sanana, etc.

Table for DJA 14 04:31:48.2±0.8, 0°91'S, 126°90'E, h0km, mb3.8/4, mb1.4/1.4, mb1mx3.8/40, mbtmp4.0/6, Error ellipse: s-maj=85.6km s-min=17.7km az=72.0. Includes stations like LBMI Labuha, LBMI Sanana, etc.

Table for DJA 14 04:36:16.6±1.1, 29°34'S, 177°86'W, h224km, 7km, mb3.4/4, mb1.3/5.5, mb1mx3.3/32, mbtmp3.9/5, Error ellipse: s-maj=38.0km s-min=22.1km az=125.0. Includes stations like LBMI Labuha, LBMI Sanana, etc.

Table for DJA 14 04:47:27.7±0.8, 53°32'N, 167°21'W, h0km, mb4.1/12, mb1.4/3.1, mb1mx3.9/63, mbtmp4.0/13, ML3.9/1, Error ellipse: s-maj=25.8km s-min=15.5km az=1.0. Includes stations like LBMI Labuha, LBMI Sanana, etc.

Table for DJA 14 04:47:37.1±0.7, 53°40'N, 166°16'W, h0km, mb4.3/40, mb1.4/3.40, Error ellipse: s-maj=8.2km s-min=3.0km az=154.3. Includes stations like MGOD Makushin Gods, UNV Unalaska Valle, etc.

Table for DJA 14 04:47:37.1±0.7, 53°40'N, 166°16'W, h0km, mb4.3/40, mb1.4/3.40, Error ellipse: s-maj=8.2km s-min=3.0km az=154.3. Includes stations like MGOD Makushin Gods, UNV Unalaska Valle, etc.

Table for DJA 14 04:47:37.1±0.7, 53°40'N, 166°16'W, h0km, mb4.3/40, mb1.4/3.40, Error ellipse: s-maj=8.2km s-min=3.0km az=154.3. Includes stations like MGOD Makushin Gods, UNV Unalaska Valle, etc.

Table for DJA 14 04:47:37.1±0.7, 53°40'N, 166°16'W, h0km, mb4.3/40, mb1.4/3.40, Error ellipse: s-maj=8.2km s-min=3.0km az=154.3. Includes stations like MGOD Makushin Gods, UNV Unalaska Valle, etc.

Table for DJA 14 04:47:37.1±0.7, 53°40'N, 166°16'W, h0km, mb4.3/40, mb1.4/3.40, Error ellipse: s-maj=8.2km s-min=3.0km az=154.3. Includes stations like MGOD Makushin Gods, UNV Unalaska Valle, etc.

Table for DJA 14 04:47:37.1±0.7, 53°40'N, 166°16'W, h0km, mb4.3/40, mb1.4/3.40, Error ellipse: s-maj=8.2km s-min=3.0km az=154.3. Includes stations like MGOD Makushin Gods, UNV Unalaska Valle, etc.

Table for DJA 14 04:47:37.1±0.7, 53°40'N, 166°16'W, h0km, mb4.3/40, mb1.4/3.40, Error ellipse: s-maj=8.2km s-min=3.0km az=154.3. Includes stations like MGOD Makushin Gods, UNV Unalaska Valle, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like IMAR Indian Mountain, MLY Manley, WRH Wood River Hill, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DCZ Deep Cove, DCZ Milford Sound, DCZ Puysegur Point, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MSAI Masohi, FAKI Fak Fak, WRA Warramunga Arr, etc.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ANTI Antisana, GGP Refugio Guagua, YANA Yana, PULU Pululaha, etc.

ISCJB 14 06:32:37.4:44.1,0.50:47N;118:10E,h0km,Error ellipse: s-maj=168.2km s-min=153.5km az=50.0, Priamurye-Northeastern China border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like 134MN SONGINO INFRAS, 145UR USSURYHSK INFR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VMUR Van-Muradiye, TUTA Tutak, AGRB Hanur-Agry, etc.

AZER 14 06:36:29.1:1.7,37:58N,42:85E,h49km,135km,Error ellipse: s-maj=17.8km s-min=6.8km az=66.0

TEH 14 06:36:35.7,38:00N,43:02E,h18km,ML3.6

DDA 14 06:36:37.0,38:61N,43:47E,h4km,ML3.5

ISK 14 06:36:37.2,38:59N,43:46E,h5km,ML3.5

CSEM 14 06:36:38.4,0.2,38:58N,43:44E,h2km,ML3.5,Error ellipse: s-maj=4.9km s-min=3.7km az=156.0

ISC 14 06:36:38.4:1.0,38:59N,0:02,43:45E,0.02,h4km,8km,n126,c2814/140,12C-14D,Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VANB Van, TVAN Van, GEVA Gevas, etc.

DJA 14 06:38:24.6:0.9,1'N,6":12'2E",h10km,ML3.9/5,MLV3.9/5, Minahassa Peninsula, Sulawesi

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

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

ISCJB 14 06:37:48.0:1.8,5:13N,123:05E,h0km,mb4.1/5,mb1.4/2.5,mb1mx3.6/46,mbtmp4.1/5,MS3.6/2,ms1mx3.0/54,Error ellipse: s-maj=349.1km s-min=25.7km az=63.0

ISCJB 14 06:38:21.0:0.7,9:61N,0:05,125:7E,0:1,h169km,4km,mb4.0/4,Error ellipse: s-maj=21.3km s-min=7.7km

MAN 14 06:38:22.9:59N,125:71E,h160km,mb4.3,ML3.1,MS2.9

ISC 14 06:38:22.0:1.0,9:60N,0:06,125:7E,0:1,h165km,7km,n13,c1504/18,mb4.0/3,3D,Mindanao

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

DJA 14 06:38:24.6:0.9,1'N,6":12'2E",h10km,ML3.9/5,MLV3.9/5, Minahassa Peninsula, Sulawesi

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

NEIC 14 06:51:38.4:0.2,43:04N,103:34W,h5km,mb4.0/4,MLN3.8,Error ellipse: s-maj=2.8km s-min=1.9km az=204.0

NEIC Felt (III) at Hot Springs and (II) at Pine Ridge. Also felt at Custer, Edgemont, Rapid City and Spearfish. Felt (III) at Gordon and Whitney and (II) at Chadron and Crawford, Nebraska. Also felt at Alliance and Harrison.

ISC 14 06:51:40.9:2.7,42:97N,103:66W,h22km,19km,mb3.8/7,mb1.4/0.12,mb1mx3.7/62,mbtmp3.9/12,ML4.0/3,Error ellipse: s-maj=14.9km s-min=9.5km az=147.0

ISC 14 06:51:40.7:1.1,43.00N,0:03,103:42W,h026km,9km,n1343,c1538/414,mb4.1/9,South Dakota

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RSSD Black Hills, RSSD Black Hills, PHWY Pilot Hill, etc.

K31A	baz=267 O'Neill	3.45 95	P	Pn	06 52 35.1 +2.3
SUSD	baz=278 Miller	3.54 64	P	Pn	06 52 36.3 +2.3
ISCO	baz=248 Idaho Springs	3.60 208	P	Pn	06 52 36.8 +1.6
ISCO	baz=26 Idaho Springs	3.60 208	ePn	Pb	06 52 36.8 +1.6
ISCO	baz=26 Idaho Springs	3.60 208	ePg	Pb	06 52 47.3 +3.5
ISCO	baz=26 Idaho Springs	3.60 208	eSb	Pb	06 53 20.8 -6.5
ISCO	baz=26 Idaho Springs	3.60 208	eSb	Pb	06 52 42.2 +1.3
KSC0	baz=351 Kaye Shedlock	4.03 171	P	Sn	06 53 30.0 +2.7
KSC0	baz=351 Kaye Shedlock	4.03 171	ePn	Pn	06 52 42.2 +1.3
KSC0	baz=351 Kaye Shedlock	4.03 171	eSb	Pn	06 53 31.7 +4.4
J32A	baz=267 Parkston	4.09 83	P	Pn	06 52 43.3 +1.7
LAO	baz=151 LASA Array	4.19 333	P	Pn	06 52 43.4 +0.4
LAO	baz=151 LASA Array	4.19 333	Sb	Pn	06 53 46.1 +2.2
LAO	baz=151 LASA Array	4.19 333	ePn	Pb	06 52 43.4 +0.4
LAO	baz=151 LASA Array	4.19 333	ePg	Pb	06 52 55.7 +1.9
LAO	baz=151 LASA Array	4.19 333	eSb	Pb	06 53 31.2 +0.1
BGNE	baz=28 Belgrade	4.22 110	P	Sn	06 52 45.2 +1.8
BGNE	baz=28 Belgrade	4.22 110	ePn	Pn	06 52 45.2 +1.8
BGNE	baz=28 Belgrade	4.22 110	eSb	Pn	06 53 36.2 +4.3
Q24A	baz=17 Divide	4.24 199	P	Sn	06 52 44.9 +0.9
Q24A	baz=17 Divide	4.24 199	S	Sn	06 53 35.9 +3.2
Q24A	baz=17 Divide	4.24 199	ePn	Pn	06 52 44.5 +0.6
Q24A	baz=17 Divide	4.24 199	eSb	Pn	06 53 35.2 +2.5
PD31	baz=28 Pinedale Array	4.52 269	ePn	Pn	06 52 48.1 +0.4
PD31	baz=28 Pinedale Array	4.52 269	eSb	Pn	06 53 39.3 +0.3
PDAR	baz=99,slow=15,SNR=101 Pinedale Array	4.52 269	Pn	Pn	06 52 46.9 -0.8
PDAR	baz=99,slow=33,SNR=12 Pinedale Array	4.52 269	Lg	Lg	06 53 56.1
PDAR	baz=99,slow=33,SNR=12 Pinedale Array	4.52 269	ePn	Pn	06 52 48.0 +0.3
BW06	baz=85 Boulder Array	4.52 269	P	Pn	06 52 48.1 +0.4
BW06	baz=85 Boulder Array	4.52 269	Sb	Pn	06 53 55.0 +1.4
BW06	baz=85 Boulder Array	4.52 269	ePn	Pn	06 52 48.5 +0.8
BW06	baz=85 Boulder Array	4.52 269	eSb	Pn	06 53 38.9 -0.6
O20A	baz=50 White River Ci	4.62 233	P	Sb	06 52 50.3 +1.4
O20A	baz=50 White River Ci	4.62 233	Sb	Pn	06 53 59.4 +3.1
O20A	baz=50 White River Ci	4.62 233	ePn	Pn	06 52 50.7 +1.7
SMCO	baz=234,SNR=5.9 Hecla	4.67 51	P	Pn	06 52 50.8 +1.3
RLMT	baz=115 Red Lodge	4.72 299	P	Pn	06 52 49.3 -1.1
RLMT	baz=115 Red Lodge	4.72 299	ePn	Pn	06 52 50.2 -0.2
RLMT	baz=115 Red Lodge	4.72 299	eSb	Pn	06 53 42.6 -1.7
K33A	baz=277 Hardington	4.74 93	P	Pn	06 52 52.5 +2.1
G32A	baz=244 Webster	4.82 60	P	Pn	06 52 53.1 +1.5
M33A	baz=289 Taylor Creek F	4.83 105	P	Pn	06 52 53.0 +1.2
I33A	baz=260 Coleman	4.92 75	P	Pn	06 52 54.5 +1.4
N33A	baz=299 J Bar K, Exete	5.00 115	P	Pn	06 52 55.8 +1.7
ECSD	baz=264 EROS Data Cent	5.01 79	P	Pn	06 52 55.7 +1.5
ECSD	baz=264 EROS Data Cent	5.01 79	ePn	Pn	06 52 56.3 +2.0
ECSD	baz=264 EROS Data Cent	5.01 79	eSb	Pn	06 53 40.2 +2.9
CBKS	baz=327 Cedar Bluff	5.03 145	P	Pn	06 52 55.9 +1.4
CBKS	baz=327 Cedar Bluff	5.03 145	ePn	Pn	06 52 55.7 +1.2
O33A	baz=306 Hebron	5.02 122	P	Pn	06 52 58.5 +0.8
O33A	baz=306 Hebron	5.02 122	S	Pn	06 53 59.4 +1.9
GCMT	baz=249 Greycliff	5.28 304	ePn	Pn	06 52 57.8 -0.2
GCMT	baz=249 Greycliff	5.28 304	eSb	Pn	06 53 56.9 -1.1
LOHW	baz=289 Long Hollow	5.28 279	ePn	Pn	06 53 57.5 -0.2
LOHW	baz=289 Long Hollow	5.28 279	eSb	Pn	06 53 57.5 -0.7
M34A	baz=289 Aspy Farms, Fr	5.29 104	P	Pn	06 52 58.8 +0.7
LKWX	baz=230,SNR=7.5 Lake Norne	5.29 290	ePn	Pn	06 52 57.4 -0.9
E31A	baz=230,SNR=7.5 Norne	5.30 46	P	Pn	06 52 59.0 +0.8
F32A	baz=240,SNR=10 Veblen	5.34 55	P	Pn	06 52 59.1 +0.4
H17A	baz=277 Grant Village	5.38 287	ePn	Pn	06 52 57.8 -1.6
SNOW	baz=276 Snow King Moun	5.39 277	P	Pn	06 52 59.1 -0.4
K34A	baz=276 Le Mars	5.39 91	P	Pn	06 53 01.0 +1.6
MOOW	baz=276 Moose Ponds	5.39 280	ePn	Pn	06 52 59.9 +0.2
REDW	baz=276 Red Top Meadow	5.45 276	ePn	Pn	06 53 01.6 -0.6
REDW	baz=276 Red Top Meadow	5.45 276	eSb	Pn	06 53 02.0 +1.6
J34A	baz=270 George	5.46 84	P	Pn	06 53 02.0 +1.6
G33A	baz=249 Ortonville	5.48 64	P	Pn	06 53 02.2 +1.6
SDCO	baz=249 Great Sand Dun	5.49 198	P	Pn	06 53 01.7 +0.7
SDCO	baz=249 Great Sand Dun	5.49 198	ePn	Pn	06 53 01.8 +0.8
SDCO	baz=249 Great Sand Dun	5.49 198	eSb	Pn	06 54 05.3 +1.9
YPR	baz=211 Pitchstone Pla	5.51 286	ePn	Pn	06 53 01.3 +0.2
YNR	baz=211 Norris Junctio	5.52 291	ePn	Pn	06 53 01.3 -0.2
YNR	baz=211 Norris Junctio	5.52 291	eSb	Pn	06 54 03.4 -0.9
TPAW	baz=211 Teton Pass	5.53 278	ePn	Pn	06 53 01.9 +0.3
TPAW	baz=211 Teton Pass	5.53 278	eSb	Pn	06 54 02.4 -2.0
MDND	baz=211 Maddock	5.54 28	P	Pn	06 53 02.8 +1.3
MDND	baz=211 Maddock	5.54 28	ePn	Pn	06 53 03.0 +1.6
MDND	baz=211 Maddock	5.54 28	eSb	Pn	06 54 06.0 +1.8
IMW	baz=211 Indian Meadow	5.55 282	ePn	Pn	06 53 01.6 -0.3
IMW	baz=211 Indian Meadow	5.55 282	eSb	Pn	06 54 04.2 -0.7
FXWY	baz=211 Fox Creek	5.59 279	ePn	Pn	06 53 01.5 -0.8
FXWY	baz=211 Fox Creek	5.59 279	eSb	Pn	06 54 04.7 -1.2
N34A	baz=295 Lincoln	5.59 110	P	Pn	06 53 03.0 +0.8
YHH	baz=295 Holmes Hill	5.66 291	ePn	Pn	06 53 04.5 +1.1
YHH	baz=295 Holmes Hill	5.66 291	eSb	Pn	06 54 07.0 -0.7
YMR	baz=295 Madison River	5.71 290	ePn	Pn	06 53 04.4 +0.4
YMR	baz=295 Madison River	5.71 290	eSb	Pn	06 54 08.5 -0.2
O34A	baz=301 Beatrice	5.77 117	P	Pn	06 53 05.8 +1.1
F33A	baz=244,SNR=15 5 Mile Ranch,	5.86 208	P	Pn	06 53 06.6 +1.1
S22A	baz=244,SNR=15 4UR Ranch, Cre	5.86 208	ePn	Pn	06 53 06.8 +2.2
S22A	baz=244,SNR=15 4UR Ranch, Cre	5.86 208	eSb	Pn	06 54 15.5 +2.9
BMUT	baz=296 Black Mountain	5.87 262	ePn	Pn	06 53 06.8 +0.5
L35A	baz=296 Bielow Farm, R	5.88 96	P	Pn	06 53 07.1 +0.9
YHB	baz=296 Horse Butte	5.89 290	ePn	Pn	06 53 05.0 -1.4
YHB	baz=296 Horse Butte	5.89 290	eSb	Pn	06 54 13.9 +0.7
T25A	baz=296 Trinidad	5.91 188	P	Pn	06 53 07.0 +0.3
T25A	baz=296 Trinidad	5.91 188	ePn	Pn	06 53 07.3 +0.6
T25A	baz=296 Trinidad	5.91 188	eSb	Pn	06 54 17.2 +3.5
M35A	baz=288 Neola	5.93 102	P	Pn	06 53 07.6 +0.7
MHTCO	baz=288 State Highway	5.95 190	ePn	Pn	06 53 08.5 +1.2
HGTCO	baz=288 Madrid Canyon	5.97 190	ePn	Pn	06 53 08.6 +1.0
HGTCO	baz=288 Madrid Canyon	5.97 190	eSb	Pn	06 54 17.7 +2.5
P34A	baz=307 Walnut Farm, R	6.04 123	P	Pn	06 53 08.9 +0.4
CLMT	baz=307 Earthquake Lak	6.07 290	ePn	Pn	06 53 08.8 -0.2
D32A	baz=307 Dogwood Acres,	6.13 45	P	Pn	06 53 10.4 +0.9
P18A	baz=307 Preston Nutter	6.15 239	ePn	Pn	06 53 10.9 +0.8
P18A	baz=307 Preston Nutter	6.15 239	eSb	Pn	06 54 20.6 +0.9
N35A	baz=293 Tabor	6.18 108	P	Pn	06 53 11.7 +1.4
HWUT	baz=293 Hardware Ranch	6.20 260	ePn	Pn	06 53 10.8 +0.1
HWUT	baz=293 Hardware Ranch	6.20 260	eSb	Pn	06 54 21.4 +0.6
TCUT	baz=293 Toone Canyon	6.24 255	ePn	Pn	06 53 11.7 +0.3
C31A	baz=293 Landman Farms,	6.24 38	P	Pn	06 53 11.5 +0.5
PV01	baz=293 Paradox Valley	6.25 221	ePn	Pn	06 53 12.3 +0.9

PV09	Paradox Valley	6.25 226	ePn	Pn	06 53 11.9 +0.4
O35A	Humboldt	6.25 113	P	Pn	06 53 12.4 +1.1
PV10	Paradox Valley	6.29 225	ePn	Pn	06 53 13.9 +1.8
E33A	Westby OJBS, E	6.33 54	P	Pn	06 53 13.2 +0.9
Q34A	baz=293,SNR=1.6 Chapman	6.37 128	P	Pn	06 53 13.6 +0.7
BOZ	Bozeman (W)	6.44 297	P	Pn	06 53 13.1 -0.9
BOZ	Bozeman (W)	6.44 297	ePn	Pn	06 53 13.0 -0.9
BOZ	Bozeman (W)	6.44 297	eSb	Pn	06 54 24.9 -1.7
KSU1	baz=309,SNR=8.1 Kansas State U	6.45 125	P	Pn	06 53 15.2 +1.2
KSU1	baz=309,SNR=8.1 Kansas State U	6.45 125	ePn	Pn	06 53 15.5 +1.5
HONU	Honeyville	6.45 260	ePn	Pn	06 53 16.4 +2.3
JLU	Jordanella	6.46 251	ePn	Pn	06 53 15.3 +0.9
F34A	Alexandria	6.48 62	P	Pn	06 53 15.4 +1.1
WVUT	baz=248 Harm Buss Farm	6.49 261	ePn	Pn	06 53 15.1 +0.5
L36A	Butcher Ranch,	6.52 95	P	Pn	06 53 15.8 +0.8
P17A	Butcher Ranch,	6.55 240	ePn	Pn	06 53 15.9 +0.4
P17A	Butcher Ranch,	6.55 240	eSb	Pn	06 54 29.5 +0.1
P35A	Paradox Valley	6.55 223	ePn	Pn	06 53 16.3 +0.8
P35A	Paradox Valley	6.55 223	eSb	Pn	06 53 26.3 +0.8
FPU	Francis Peak	6.58 255	ePn	Pn	06 53 17.3 +1.3
M36A	Felix, Anita	6.58 101	P	Pn	06 53 17.0 +1.3
K36A	Gilmore City	6.60 90	P	Pn	06 53 17.1 +1.0
SRU	San Rafael Swe	6.63 236	ePn	Pn	06 53 16.9 +0.3
SRU	San Rafael Swe	6.63 236	eSb	Pn	06 54 33.2 +1.8
R34A	Isabella, Hill	6.64 133	P	Pn	06 53 17.8 +1.3
CTU	Camp Tracy	6.64 252	ePn	Pn	06 53 17.1 +0.3
CTU	Camp Tracy	6.64 252	eSb	Pn	06 54 32.0 +0.4
J36A	Seneca 1, Swea	6.65 84	P	Pn	06 53 17.7 +1.1
N36A	Muff Farm, Cla	6.67 106	P	Pn	06 53 18.6 +1.5
EGMT	Eagleton	6.71 321	P	Pn	06 53 17.3 -0.3
EGMT	Eagleton	6.71 321	ePn	Pn	06 53 17.3 -0.3
EGMT	Eagleton	6.71 321	eSb	Pn	06 54 37.2 +4.0
B31A	Greenbush Farm	6.76 35	P	Pn	06 53 19.3 +1.1
D33A	Annam, Waubun	6.77 50	P	Pn	06 53 18.7 +0.3
MTUT	Morton Thiokol	6.82 262	ePn	Pn	06 53 20.1 +0.9
C32A	Crookston	6.84 43	P	Pn	06 53 20.4 +1.1
E34A	Wana	6.84 56	P	Pn	06 53 19.8 +0.5
MPU	Maple Canyon	6.85 247	ePn	Pn	06 53 19.8 +0.1
MPU	Maple Canyon	6.85 247	eSb	Pn	06 54 35.9 -0.9
SAIU	Southern Antel	6.88 255	ePn	Pn	06 53 18.9 -1.0
I36A	Fitzsimmons Fa	6.91 78	P	Pn	06 53 21.7 +1.4
SPUT	South Promonto	6.92 259	ePn	Pn	06 53 21.7 +1.1
SPUT	South Promonto	6.92 259	eSb	Pn	06 54 37.6 -0.9
F35A	Swanville	6.94 63	P	Pn	06 53 22.2 +1.4
TMUT	Trail Mountain	6.95 240	ePn	Pn	06 53 21.6 +0.5
TMUT	Trail Mountain	6.95 240	eSb	Pn	06 54 39.0 -0.4
Q35A	Merced Eighty,	6.95 124	P	Pn	06 53 22.0 +1.1
O36A	Taylor Creek, S	6.96 111	P	Pn	06 53 22.2 +1.3
MVC0	Mesa Verde	6.97 216	ePn	Pn	06 53 23.5 +2.1
MVC0	Mesa Verde	6.97 216	eSb	Pn	06 53 20.9 -0.5
DLMT	Dillon	7.01 293	ePn	Pn	06 54 41.6 +1.6
DLMT	Dillon	7.01 293	eSb	Pn	06 53 21.8 0.0
HRH	Holter Researc	7.04 305	ePn	Pn	06 53 23.8 -0.8
HRH	Holter Researc	7.04 305	eSb	Pn	06 53 20.8 -1.3
HVU	Hansel Valley	7.04 263	ePn	Pn	06 54 39.0 -2.2
P36A	Good Intent, A	7.04 116	P	Pn	06 53 23.3 +1.2
H36A	Jessenland, He	7.04 74	P	Pn	06 53 23.9 +1.8
LRM	Limekiln Ridge	7.06 297	ePn	Pn	06 53 22.0 -0.6
SNUT	Stansbury Nort	7.10 256	ePn	Pn	06 53 22.8 -0.3
D34A	Park Rapids	7.11 52	P	Pn	06 53 23.9 +0.9
Q16A	Castle Valley	7.15 238	ePn	Pn	06 53 24.1 +0.4
S34A	Willow Spring	7.16 136	P	Pn	06 53 25.3 +1.6
NLU					





14d 10h

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like NPS Neapolis, SANT Santorini, and various other stations in the Aegean region.

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Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like ARNB, HNTI Hanita, and various other stations in the Aegean region.

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Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like GERES GERESS Array B, SENIN Lac Senin/Sane, and various other stations in the Aegean region.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like BODT, BDRM, KARP, ARG, THR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like ELL, KULA, IMMV, KORKUELI, BURDUR-MERKEZ, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like TWP, HEN, TWK1, SCZT, EAST, TWM1, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like HUIG Huatullo, HUIG Huatullo, HUIG Huatullo.

CSEM 14 10:35:46.0 6, 38°76'N, 43°80'E, h2km, ML3.0, Error ellipse: s-maj=13.6km s-min=6.0km az=82.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like VMUR Van-Muradiye, VANS Van, VANS Van, etc.

CSEM 14 10:39:55.7 0.2, 38°28'N, 42°87'E, h2km, ML3.6, Error ellipse: s-maj=4.8km s-min=3.9km az=146.0

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like LEBMI Labuha, SANI Sanana, SANI Sanana, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like URFA Urfa, KMRS Kahramanmaras, KMRS Kahramanmaras.

NIED 14 10:45:00.37 60N, 144°50'E, h23km, Mw3.6 Best double couple: M2:95000\*10^14 N1:148.00000\*361.00000\*

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like JIO Ouri, JIO Ouri, OFUJ Ofunato, etc.

KSR5 Korea Array 13 40 275 LR comp=2.23nm,20.3s,baz=30,slow=36

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like LPAZ La Paz, LPAZ La Paz, LVC Limon Verde, etc.

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

Duration: 0 Moment tensor: Scale 10^16Nm; Mrr-4.91; 11; Mss-0.34; 12; Mss-4.56; 09; Mss-0.86; 47; Mss-1.00; 09;

IS 14 11:34:57.6 1.7, 39°83'N, 0°05:29.57W, 0.04, h13km, 10km, n466, s128/457, mb4.9, 125, MS4.4/1, 4C-4D, Azores Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like H07N1 FLORES T-PHASE, H07N1 FLORES T-PHASE, H07N1 FLORES T-PHASE, etc.

CMLA Cha da Macela 3 78 122 eP Pn 11 35 53.9 -1.7

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CMLA Cha da Macela, CMLA Cha da Macela, CMLA Cha da Macela, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ESDC Sonseca Array, ESDC Sonseca Array, ESDC Sonseca Array, etc.





14d 11h

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MSU Marysvale, BMO Blue Mountains, etc.

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Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like DAC Darwin (Calif), MPMC Manual Process, etc.

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Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like APSI Ampana, LUWI Luwuk, etc.

Table with columns: YKA, Yellowknife Ar, 52.70 337 LR, 12 26 11.7, etc. Includes stations like SUMG, ESDC, ES19, DAG, IL1, ILAR, etc.

MEX 14 12:05:36.0-15.0, 18.07N-101.86W, h16km, gkm, MD3.6, Guerrero. Table with columns: Code, Station Name, Az, Phase ID, Time, Res.

IDC 14 12:26:03.6: 15.0, 0.17S; 128.43E, h0km, mb3.0/3, s-maj=3.3, mb1mx3.2/24, mbtmp3.1/3, Error ellipse: s-maj=236.9km s-min=181.3km az=148.0

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

ISC 14 12:28:56.6: 38.48N-43.44E, h30km, MD2.7. CSEM 14 12:28:57.9: 0.2, 38.62N-43.17E, h12km, MD2.7, Error ellipse: s-maj=5.4km s-min=5.2km az=30.0

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

ISCJB 14 12:55:58.4: 0.9, 33.20N-105.141.01E, h0km, h48km, mb3.5/2, Error ellipse: s-maj=9.4km s-min=7.4km az=8.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JHU2, JHU3, etc.

Table with columns: JHU, 94nm, 0.3s, baz=78, slow=23, SNR=4.9, etc. Includes stations like BSO1, BSO2, etc.

ISK 14 13:09:01.2: 38.77N-42.78E, h16km, MD2.9, ML2.8. CSEM 14 13:09:02.3: 0.7, 38.93N-43.74E, h8km, ML3.2, Error ellipse: s-maj=16.9km s-min=9.3km az=75.0

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

ISCJB 14 13:20:10.1: 0.1, 39.75S-100.04N-124.88E, 0.04, h10km, mb4.2/3, MS3.4/7, Error ellipse: s-maj=6.9km s-min=4.2km az=143.9

NEIC 14 13:20:13.5: 1.5, 9.61S; 124.73E, h14km, gkm, mb4.4/9, Error ellipse: s-maj=10.4km s-min=7.1km az=55.0

ISC 14 13:20:13.0: 0.4, 9.74S; 124.80E, 0.05, h10km, n73, s=207/77, mb4.3/3, MS3.5/7, Timor region

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

ISCJB 14 12:55:58.4: 0.9, 33.20N-105.141.01E, h0km, h48km, mb3.5/2, Error ellipse: s-maj=9.4km s-min=7.4km az=8.6

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

Table with columns: CM01, Chiang Mai Arr, 37.85 318 eP, 13 27 30.3 -0.1, etc. Includes stations like CMAR, CHD0, etc.

ISK 14 13:20:44.4: 38.75N-43.36E, h6km, ML2.3. CSEM 14 13:20:45.6: 0.2, 38.73N-43.36E, h10km, ML3.1, Error ellipse: s-maj=6.5km s-min=4.0km az=68.0

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

ISC 14 13:20:46.0: 0.8, 38.74N-0.02, 43.37E, h10km, n73, n24, s=095/46, Turkey

ISC 14 13:20:44.4: 38.75N-43.36E, h6km, ML2.3. CSEM 14 13:20:45.6: 0.2, 38.73N-43.36E, h10km, ML3.1, Error ellipse: s-maj=6.5km s-min=4.0km az=68.0

ISC 14 13:20:46.0: 0.8, 38.74N-0.02, 43.37E, h10km, n73, n24, s=095/46, Turkey

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

ISC 14 13:28:06.5: 38.64N-43.49E, h7km, MD2.6. ISK 14 13:28:06.8: 38.61N-43.28E, h5km, ML2.0. ISCJB 14 13:28:07.3: 0.6, 38.65N-0.03, 43.48E, 0.10, h13km, gkm, Error ellipse: s-maj=12.6km s-min=5.3km az=175.4

14d 14h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like VAN Van, TVAN Van, VMUR Van-Muradiye, etc.

ISCJB 14 13:49:40.0, 0.9, 0.70S:0.07x126.72E:0.05, h35km, mb3.6/3, Error ellipse: s-maj=10.6km s-min=7.2km az=159.8

DJA 14 13:49:40.0, 0.7, 1.1S:6x12.7E, h13km, gkm, ML3.5/7, mb4.8/1, MLV3.5/7, Mw(mB)4.1/1

IDC 14 13:49:41.7, 2.0, 1.01S:127.54E, h0km, mb3.5/3, mb1.3/6.4, mb1mx3.4/2.4, mbtmp3.4/4, ML3.5/1, Error ellipse: s-maj=186.9km s-min=23.6km az=66.0

ISC 14 13:49:42.1, 3.0, 0.74S:108.126.76E:0.06, h35km, n10, c096/12, mb3.5/3, Southern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like LBMI Labuha, SANI Sanana, NLANI Namlea, etc.

ISCJB 14 13:51:07.0, 7.0, 5.2174S:0.03:68.8W:0.1, h132km, 6km, mb3.9/6, Error ellipse: s-maj=17.2km s-min=14km az=30.0

IDC 14 13:51:08.0, 0.9, 2.189S:68.06W, h10km, 4km, mb3.9/6, mb1.3/7.9, mb1mx3.6/2.3, mbtmp4.1/9, Error ellipse: s-maj=28.8km s-min=10.3km az=104.0

GUC 14 13:51:07.3, 0.6, 2.172S:68.74W, h129km, 4km, ML4.0

ISC 14 13:51:08.6, 0.0, 2.175S:0.04:68.7W:0.1, h120km, 7km, n23, c1919/33, mb4.1/6, 4C-2D, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PBO9 IPOC Station P, LVC Limon Verde, etc.

GUC 14 13:56:45.3, 0.9, 3.779S:73.92W, h20km, ML3.6, 1C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TMU Temuco, COCH Cobquecura, etc.

DDA 14 14:05:34.8, 38.74N:43.55E, h7km, ML2.7

ISC 14 14:05:34.6, 38.73N:43.35E, h2km, ML2.6, ML2.3

CSEM 14 14:05:35.0, 0.5, 38.76N:43.52E, h5km, ML2.7, Error ellipse: s-maj=13.1km s-min=6.1km az=92.0

ISC 14 14:05:31.6, 2.9, 38.86N:0.06:43.7E:0.1, h1km, 16km, n18, c0531/28, Turkey

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

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

ISK 14 14:08:37.7, 38.47N:42.56E, h7km, MD2.6

DDA 14 14:08:46.8, 38.74N:43.52E, h7km, ML2.3

CSEM 14 14:08:46.8, 38.73N:43.52E, h7km, ML2.3

ISC 14 14:08:39.6, 1.0, 38.80N:0.07:42.75E:0.05, h8km, n11, c2511/13, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like VANB Van, GEVA Gevas, etc.

ISCJB 14 14:10:03.9, 0.4, 29.36N:0.03:105.29E:0.06, h10km, mb3.8/10, Error ellipse: s-maj=8.3km s-min=4.1km az=159.6

IDC 14 14:10:04.3, 0.7, 29.40N:105.31E, h0km, mb3.8/11, mb1.3/9.13, mb1mx3.6/5.0, mbtmp3.7/13, ML3.5/2, MS2.9/2, Ms1.3/0.2, ml1mx2.6/3.9, Error ellipse: s-maj=30.5km s-min=15.2km az=60.0

BUL 14 14:10:07.2, 29.37N:105.15E, h19km, mb3.8/5, ML3.9/14, Ms3.7/4, Ms7.3/7.1

ISC 14 14:10:06.2, 0.5, 29.35N:0.03:105.19E:0.05, h10km, n18, c2931/31, mb3.8/10, 1D, Sichuan

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

ISCJB 14 14:10:06.2, 0.5, 29.35N:0.03:105.19E:0.05, h10km, n18, c2931/31, mb3.8/10, 1D, Sichuan

ISCJB 14 14:10:06.2, 0.5, 29.35N:0.03:105.19E:0.05, h10km, n18, c2931/31, mb3.8/10, 1D, Sichuan

ISCJB 14 14:10:06.2, 0.5, 29.35N:0.03:105.19E:0.05, h10km, n18, c2931/31, mb3.8/10, 1D, Sichuan

ISCJB 14 14:10:06.2, 0.5, 29.35N:0.03:105.19E:0.05, h10km, n18, c2931/31, mb3.8/10, 1D, Sichuan

ISCJB 14 14:10:06.2, 0.5, 29.35N:0.03:105.19E:0.05, h10km, n18, c2931/31, mb3.8/10, 1D, Sichuan

ISCJB 14 14:10:06.2, 0.5, 29.35N:0.03:105.19E:0.05, h10km, n18, c2931/31, mb3.8/10, 1D, Sichuan

ISCJB 14 14:10:06.2, 0.5, 29.35N:0.03:105.19E:0.05, h10km, n18, c2931/31, mb3.8/10, 1D, Sichuan

ISCJB 14 14:10:06.2, 0.5, 29.35N:0.03:105.19E:0.05, h10km, n18, c2931/31, mb3.8/10, 1D, Sichuan

ISCJB 14 14:10:06.2, 0.5, 29.35N:0.03:105.19E:0.05, h10km, n18, c2931/31, mb3.8/10, 1D, Sichuan

ISCJB 14 14:10:06.2, 0.5, 29.35N:0.03:105.19E:0.05, h10km, n18, c2931/31, mb3.8/10, 1D, Sichuan

ISCJB 14 14:10:06.2, 0.5, 29.35N:0.03:105.19E:0.05, h10km, n18, c2931/31, mb3.8/10, 1D, Sichuan

ISCJB 14 14:10:06.2, 0.5, 29.35N:0.03:105.19E:0.05, h10km, n18, c2931/31, mb3.8/10, 1D, Sichuan

ISCJB 14 14:10:06.2, 0.5, 29.35N:0.03:105.19E:0.05, h10km, n18, c2931/31, mb3.8/10, 1D, Sichuan

ISCJB 14 14:10:06.2, 0.5, 29.35N:0.03:105.19E:0.05, h10km, n18, c2931/31, mb3.8/10, 1D, Sichuan

ISCJB 14 14:10:06.2, 0.5, 29.35N:0.03:105.19E:0.05, h10km, n18, c2931/31, mb3.8/10, 1D, Sichuan

ISCJB 14 14:10:06.2, 0.5, 29.35N:0.03:105.19E:0.05, h10km, n18, c2931/31, mb3.8/10, 1D, Sichuan

ISCJB 14 14:10:06.2, 0.5, 29.35N:0.03:105.19E:0.05, h10km, n18, c2931/31, mb3.8/10, 1D, Sichuan

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

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GEVA Gevas, ADCV Adilcev, etc.

IDC 14 14:30:27.3, 0.4, 3.681N:127.25E, h0km, mb3.8/6, mb1.4/0.6, mb1mx3.7/3.7, mbtmp3.8/6, Error ellipse: s-maj=99.4km s-min=18.7km az=72.0, Philippine Islands region

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

IDC 14 14:30:30.2, 0.9, 1.09S:126.94E, h0km, mb3.9/6, mb1.4/2.7, mb1mx3.8/3.6, mbtmp4.0/7, ML3.5/1, Error ellipse: s-maj=81.0km s-min=16.8km az=73.0

ISCJB 14 14:30:33.0, 0.4, 0.93S:0.04:126.83E:0.03, h34km, mb4.0/5, Error ellipse: s-maj=5.7km s-min=3.6km az=16.0

DJA 14 14:30:32.0, 0.5, 1.1S:2x12.7E, h13km, gkm, ML4.3/13, mb4.5/6, mb3.0/3, MLV4.2/13, Mw(mB)4.3/3

NEIC 14 14:30:35.1, 1.4, 1.11S:129.11E, h35km, 16km, mb4.0/1, mb1.3/6.4, mb1mx3.5/2.3, mbtmp4.1/9, Error ellipse: s-maj=16.4km s-min=1.1km s-min=1.1km az=224.0

ISC 14 14:30:34.8, 0.7, 0.95S:0.04:126.87E:0.04, h34km, n26, c1565/37, mb3.9/5, Southern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like LBMI Labuha, SANI Sanana, NLANI Namlea, etc.

ISCJB 14 14:32:08.0, 0.7, 4.126N:0.03:43.97E:0.04, h3km, 6km, Error ellipse: s-maj=6.3km s-min=3.7km az=135.6

TIF 14 14:32:07.7, 4.28N:43.97E, h14km

DDA 14 14:32:07.5, 4.130N:43.90E, h7km, MD2.7

CSEM 14 14:32:08.1, 0.1, 4.126N:0.03:44.00E:0.12, h0km, 10km, n21, c0535/40, Turkey-Georgia-Abkhazia border region

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



14d 16h

MOS 14 15:20:11.3,1.3,36.43N,71.24E,h88km,mb4.2/7, Error ellipse: s-maj=16.0km s-min=6.7km az=93.7

NNC 14 15:20:15.2,2.1,36.96N,71.15E,h0km,mb4.7,mpv4.5, Error ellipse: s-maj=16.2km s-min=9.9km az=170.0

ISC 14 15:20:12.1,0.6,36.37N,0.06,170.0,100km,n69, c2=15/79,mb3.8/12,3C-6D,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Lists various stations like DZET, AML, MNAS, etc.

11 NOV

comp=2.0,2nm,0.7s,baz=294,slow=4.0,SNR=5.0

CSEM 14 15:27:05.8,0.2,38.67N,43.34E,h12km,ML2.7, Error ellipse: s-maj=5.5km s-min=3.3km az=76.0

DDA 14 15:27:06.0,38.67N,43.29E,h7km,ML2.7, Error ellipse: s-maj=10.4km s-min=5.0km az=175.3

ISC 14 15:27:05.7,0.9,38.68N,0.03,43.35E,0.04,h17km,7km, n20,0844/30,Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Lists various stations like VANB, TVAN, VMUR, etc.

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Table with columns: LPAZ, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Lists various stations like LPAZ, BBOJ, BBOB, etc.

DJA 14 15:50:43.8,1.1,1.9S,127.7E,h18km,18km,M3.1/5, mb3.8/1,ML2/8.5,Southern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Lists various stations like LBMI, SANI, NLAJ, etc.



Table with columns for station name, frequency, polarization, and other technical details. Includes stations like HRHS Heris, IBST Bostanabad, SFNV Ganja, etc.

Table with columns for station name, frequency, polarization, and other technical details. Includes stations like KVAR, ANDM Andirin, BHD Baghad, etc.

Table with columns for station name, frequency, polarization, and other technical details. Includes stations like PSZ Piszkesteto, NIE Niedzica, LANS Liptovska Anna, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like BVK Borovoye, BVAR Borovoye Array, BRG Bergiesshubel, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like PYUN Piuthan, EKA Eskdalemuir Ark, DANN Dangding, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like LBMI Labuha, FAKI Fak Fak, TTSI Tana Toraja, etc.







Table with columns for call sign, frequency, mode, and other parameters. Includes stations like ADVC, DYDN, and various other frequencies.

Table with columns for call sign, frequency, mode, and other parameters. Includes stations like LKRN, IML, and various other frequencies.

Table with columns for call sign, frequency, mode, and other parameters. Includes stations like PFVI, MORF, and various other frequencies.



C33A	Trail	47.12 303	P	P	17 14 47.6	-1.4	T36A	Boogs Farm, Ca	50.92 289	P	P	17 15 16.5	-1.7	FXWY	Fox Creek	58.55 303	eP	P	17 16 13.2	-0.6
R41A	Rosebud	47.15 289	P	P	17 14 48.0	-1.4	Q34A	Chapman	50.92 292	P	P	17 15 16.9	-1.3	SWMT	Swartz Lake	58.70 308	eP	P	17 16 13.8	-0.8
P40A	Paris	47.18 291	P	P	17 14 48.9	-0.6	S35A	Ott Creek Ra	50.98 290	P	P	17 15 18.1	-0.6	SWMT	Swartz Lake	58.70 308	eP	P	17 16 13.8	-0.8
X45A	UM Field Stati	47.23 283	P	P	17 14 50.0	+0.1	X38A	Whitesboro	51.17 286	P	P	17 15 20.8	+0.6	M50	Missoula	58.97 307	eP	P	17 16 15.8	-0.7
A32A	Rocking H Ranc	47.27 304	P	P	17 14 49.3	-0.8	R34A	Isabella, Hill	51.40 291	P	P	17 15 21.4	-0.4	M50	Missoula	58.97 307	eP	P	17 16 16.2	-0.3
O39A	Kirksville	47.28 292	P	P	17 14 49.5	-0.7	T35A	Sooner Cattle	51.44 289	P	P	17 15 20.5	-1.6	M50	Missoula	58.97 307	eP	P	17 16 16.2	-0.3
M38A	Pleasantville	47.33 294	P	P	17 14 49.8	-0.8	V36A	Jenks	51.51 288	P	P	17 15 21.4	-1.2	AKTO	Aktubinsk	59.29 48	P	P	17 16 18.9	+0.4
F34A	Alexandria	47.34 300	P	P	17 14 51.2	+0.5	S34A	Willow Spring	51.55 291	P	P	17 15 21.5	-1.5	AKTO	comp=Z,84nm,20.4s,baz=304,slow=6.7,SNR=5.8		LR	17 41 25.8		
T42A	Van Buren	47.43 287	P	P	17 14 50.4	-1.1	U35A	Pawnee	51.83 289	P	P	17 15 23.8	-1.3	ANMO	Albuquerque	59.51 292	P	P	17 16 21.4	+0.8
B32A	Ashes, Strandq	47.44 304	P	P	17 14 50.9	-0.5	W36A	Wetumka	52.00 287	P	P	17 15 25.5	-0.8	PV09	Paradox Valley	59.67 297	eP	P	17 16 22.1	+0.4
L37A	Phoenix Point,	47.48 295	P	P	17 14 50.6	-1.2	V35A	Meyer Ranch, C	52.17 288	P	P	17 15 26.1	-1.5	PV09	Paradox Valley	59.67 297	eP	P	17 16 22.1	+0.4
J36A	Seneca 1, Swea	47.49 296	P	P	17 14 51.1	-0.7	X36A	Centrahoma	52.34 287	P	P	17 15 28.4	-0.5	HWUT	Hardware Ranch	59.84 301	eP	P	17 16 22.2	-0.5
Y45A	Yeager Farm, C	47.58 283	P	P	17 14 52.9	+0.3	W35A	Tecumseh	52.47 288	P	P	17 15 29.8	0.0	HWUT	Hardware Ranch	59.84 301	eP	P	17 16 22.2	-0.5
BR10I	Keskin Array S	47.67 69	eP	P	17 14 54.2	+0.7	Y36A	Durant	52.59 286	P	P	17 15 30.7	-0.1	MVCO	Mesa Verde	59.85 295	eP	P	17 16 22.6	-0.2
BR10I	Keskin Array S	47.67 69	eP	P	17 14 54.2	+0.7	KBZ	Khabaz	52.62 60	P	P	17 15 30.1	-0.7	MVCO	Mesa Verde	59.85 295	eP	P	17 16 23.9	+1.0
BRTR	Keskin Array B	47.67 69	eP	P	17 14 54.2	+0.7	KBZ	comp=Z,49nm,18.2s,baz=34,slow=3.7		LR	17 38 49.2		P18A	Preston Nutter	59.89 298	eP	P	17 16 23.0	-0.2	
BRTR	comp=Z,38nm,18.2s,baz=282,slow=5.8,SNR=3.2		LR	LR	17 35 04.1		KBZ	comp=Z,112nm,18.6s,baz=0.0,slow=5.6		LR	17 38 49.2		P18A	Preston Nutter	59.89 298	eP	P	17 16 23.0	-0.2	
S41A	Jilco Farms,	47.69 288	P	P	17 14 52.2	-1.3	X35A	Drake	52.88 287	P	P	17 15 32.7	-0.2	BNN	Barren Site	60.03 291	eP	P	17 16 24.9	+0.7
P39B	Salisbury	47.71 291	P	P	17 14 53.1	-0.5	Y35A	Marietta	53.15 286	P	P	17 15 35.3	+0.5	BNN	Barren Site	60.03 291	eP	P	17 16 24.9	+0.7
K36A	Gilmore City	47.80 296	P	P	17 14 53.6	-0.7	ROSC	El Rosal	53.21 241	LR	LR	17 34 53.6		NEW	Newport	60.23 310	eP	P	17 16 23.7	-1.4
R40A	Maddies Statio	47.80 289	P	P	17 14 53.4	-1.0	ROSC	El Rosal	53.21 241	eP	P	17 15 35.1	-0.8	NEW	Newport	60.23 310	eP	P	17 16 24.4	-0.7
T41A	Mountain View	47.92 288	P	P	17 14 54.1	-1.2	ROSC	El Rosal	53.21 241	eP	P	17 15 35.1	-0.8	LTX	Lajitas	60.31 285	eP	P	17 16 25.5	-0.5
Q39A	Willow Grove F	48.03 291	P	P	17 14 55.3	-0.8	ROSC	El Rosal	53.21 241	eP	P	17 15 37.6	-1.2	LTX	Lajitas	60.31 285	eP	P	17 16 25.5	-0.5
H34A	Spellman Lake,	48.04 299	P	P	17 14 56.2	0.0	OGNE	Ogallala	53.68 296	P	P	17 15 37.6	-1.2	TX31	Lajitas Ar. Si	60.31 285	eP	P	17 16 25.3	-0.6
V42A	Cord	48.14 286	P	P	17 14 56.5	-0.6	RSSD	Black Hills	53.77 301	P	P	17 15 38.2	-1.3	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
P38A	Dawn	48.21 291	P	P	17 14 56.1	-1.5	WMOK	Wichita Mounta	54.05 288	P	P	17 15 40.2	-1.3	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
S40A	Lebanon	48.24 289	P	P	17 14 57.3	-0.5	WMOK	Wichita Mounta	54.05 288	eP	P	17 15 40.5	-1.0	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
U41A	Viola	48.31 287	P	P	17 14 57.9	-0.5	WMOK	Wichita Mounta	54.05 288	eP	P	17 15 40.5	-1.0	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
G33A	Ortonville	48.32 299	P	P	17 14 58.0	-0.3	WHTX	Lake Whitney,	54.35 284	P	P	17 15 43.3	-0.4	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
R39A	Chumby, Stover	48.35 290	P	P	17 14 58.7	0.0	435B	Jarrell	55.03 283	P	P	17 15 49.9	+1.2	LTX	Lajitas	60.31 285	eP	P	17 16 25.5	-0.5
C31A	Landman Farms,	48.38 303	P	P	17 14 57.7	-1.0	ABTX	Abilene, Hawle	55.68 286	P	P	17 15 52.8	-0.5	TX31	Lajitas Ar. Si	60.31 285	eP	P	17 16 25.3	-0.6
T40A	Mansfield	48.43 288	P	P	17 14 59.3	+0.1	EGMT	Eagleton	55.88 307	P	P	17 15 53.7	-1.0	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
M36A	Felix, Anita	48.45 294	P	P	17 14 58.2	-1.1	EGMT	Eagleton	55.88 307	eP	P	17 15 54.3	-0.3	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
Q38A	Cooks Store, C	48.52 291	P	P	17 14 59.3	-0.6	EGMT	Eagleton	55.88 307	eP	P	17 15 54.3	-0.3	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
245A	Little AP, Sta	48.65 281	P	P	17 15 01.1	+0.2	K22A	Casper	56.02 300	P	P	17 15 55.7	-0.1	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
H33A	Prehn Over Nor	48.69 299	P	P	17 15 00.7	-0.5	AMTX	Amarillo	56.10 290	P	P	17 15 56.1	-0.3	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
V41A	Mountainview	48.72 286	P	P	17 15 00.2	-1.3	AMTX	Amarillo	56.10 290	P	P	17 15 56.1	-0.3	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
S39A	Bolivar	48.80 289	P	P	17 15 01.7	-0.5	AMTX	Amarillo	56.10 290	P	P	17 15 56.1	-0.3	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
P37A	Lathrop	48.81 292	P	P	17 15 01.6	-0.6	N23A	Red Feather La	56.39 298	eP	P	17 15 58.2	-0.4	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
ECSD	EROS Data Cent	48.92 298	P	P	17 15 01.1	-1.8	N23A	Red Feather La	56.39 298	eP	P	17 15 58.2	-0.4	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
ECSD	EROS Data Cent	48.92 298	eP	P	17 15 01.3	-1.6	N23A	Red Feather La	56.39 298	eP	P	17 15 58.2	-0.4	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
ECSD	EROS Data Cent	48.92 298	eP	P	17 15 01.3	-1.6	ISCO	Idaho Springs	56.65 296	P	P	17 16 00.4	-0.1	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
U40A	Yellville	49.00 287	P	P	17 15 02.9	-0.7	Q24A	Divide	56.70 295	eP	P	17 16 00.9	0.0	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
R38A	Fenwick Farm,	49.03 290	P	P	17 15 03.4	-0.5	Q24A	Divide	56.70 295	eP	P	17 16 00.7	-0.2	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
W41B	Gary Mavity, V	49.04 286	P	P	17 15 03.1	-0.9	Q24A	Divide	56.70 295	eP	P	17 16 00.7	-0.2	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
O36A	Bolkow	49.05 293	P	P	17 15 02.7	-1.2	RLMT	Red Lodge	56.77 304	P	P	17 16 00.2	-1.0	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
T39A	Clever	49.11 288	P	P	17 15 03.1	-1.4	RLMT	Red Lodge	56.77 304	eP	P	17 16 01.0	-0.2	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
Q37A	Longview Farm,	49.16 291	P	P	17 15 03.7	-1.1	RLMT	Red Lodge	56.77 304	eP	P	17 16 01.1	-0.2	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
V40A	Witts Springs	49.20 287	P	P	17 15 04.3	-0.9	JCT	Junction City	56.84 284	eP	P	17 16 01.6	-0.1	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
H32A	Carlson Farm,	49.22 299	P	P	17 15 04.8	-0.4	JCT	Junction City	56.84 284	eP	P	17 16 01.6	-0.1	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
S38A	Stockton	49.25 289	P	P	17 15 04.6	-0.9	JCT	Junction City	56.84 284	eP	P	17 16 01.6	-0.1	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
Y42A	Garnett, Star	49.27 284	P	P	17 15 05.0	-0.7	T25A	Trinidad	57.01 293	eP	P	17 16 03.3	+0.3	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
P36A	Good Intent, A	49.41 292	P	P	17 15 05.3	-1.5	T25A	Trinidad	57.01 293	eP	P	17 16 03.5	+0.5	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
U39A	Green Forest	49.45 288	P	P	17 15 06.6	-0.5	MSTX	Muleshoe	57.33 289	P	P	17 16 04.6	-0.5	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
MDND	Maddock	49.57 304	P	P	17 15 07.2	-0.7	MSTX	Muleshoe	57.33 289	eP	P	17 16 04.5	-0.7	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
Z42A	Norrel Spur, H	49.64 283	P	P	17 15 08.2	-0.3	MSTX	Muleshoe	57.33 289	eP	P	17 16 04.5	-0.7	TXAR	Lajitas Array	60.31 285	eP	P	17 16 25.4	-0.5
R37A	Teagarden Farm	49.65 290	P	P	17 15 07.9</															











IRK	comp=E,570nm,1.2s	4.98 231	ePn	Pb	21 15 29.6 +1.7
IRK	Irkutsk		eS	Sn	21 16 14.3 +0.2
IRK			pmax	pmax	21 16 33.3
IRK	comp=Z,43nm,0.3s		smax	smax	
LSTR	comp=N,570nm,1.2s	5.02 225	ePn	Pn	21 15 16.9 +0.5
LSTR	Listvyanka		ePg	Pb	21 15 29.4 +0.8
LSTR			eSg	Sb	21 16 32.9 +3.4
LSTR			pmax	pmax	21 16 43.7
LSTR	comp=N,7.0nm,0.5s		smax	smax	
IVK	comp=N,185nm,1.4s	5.24 226	e	Pn	21 15 17.6 -1.8
IVK	Ivanovka		e	Sn	21 15 33.1
IVK			eSg	Sb	21 16 22.4
IVK			max	max	21 16 40.1 +4.3
IVK	comp=N,6.0nm,0.1s		smax	smax	
TUP	comp=N,231nm,1.6s	5.54 98	lPn	Pn	21 15 24.0 +0.5
TUP	Tupik		ePg	Pb	21 15 27.5
TUP			eSg	Pb	21 15 40.5 +3.1
TUP			eSn	Sn	21 16 25.2 -2.6
TUP			pmax	pmax	21 16 54.4 -3.3
TUP	comp=N,20nm,0.6s		smax	smax	
TUP	comp=N,250nm,1.2s	5.54 98	ePn	Pn	21 15 24.0 +0.5
TUP			eS	Sn	21 15 41.2
TUP			eS	Sn	21 16 27.7 -0.1
TUP			pmax	pmax	21 16 54.5
TUP	comp=Z,26nm,0.8s		smax	smax	
TLY	comp=E,249nm,1.3s	5.66 229	ePn	Pn	21 15 25.8 +0.7
TLY	Talaya		eSg	Pb	21 15 40.7 +1.3
TLY	comp=E,0.0nm,0.3s,baz=22,slow=18,SNR=2.9		Sm	Sn	21 16 29.6 -1.1
TLY	comp=E,0.0nm,0.3s,baz=210,slow=20,SNR=4.7		Lg	Sn	21 16 53.3
TLY	comp=E,0.1nm,0.3s,baz=43,slow=19,SNR=3.0		e	Pb	21 15 42.5 +3.1
TLY	Talaya		eSg	Sb	21 16 29.6
TLY			max	max	21 16 53.2 +5.5
TLY	comp=E,29nm,0.8s		smax	smax	
TLY	comp=E,153nm,1.2s	5.66 229	ePn	Pb	21 15 42.8 +3.4
TLY	Talaya		pmax	pmax	21 16 53.8
TLY	comp=Z,10.0nm,0.6s		smax	smax	
KPC	comp=Z,129nm,1.4s	5.98 168	ePn	Pn	21 15 29.2 -0.4
KPC	Khapcheranga		eS	Sn	21 15 34.0
KPC			ePg	Pb	21 16 47.7 +2.7
KPC			eSg	Sn	21 16 30.8
KPC			eSg	Sb	21 16 36.4 -2.4
KPC			pmax	pmax	21 17 03.3 +6.2
KPC	comp=Z,13nm,1.0s		smax	smax	
KPC	comp=Z,129nm,1.4s	5.98 168	ePn	Pn	21 15 29.1 -0.5
KPC	Khapcheranga		eS	Sn	21 15 47.7 +2.4
KPC			pmax	pmax	21 17 04.5
KPC	comp=Z,13nm,1.1s		smax	smax	
ARS	comp=E,155nm,1.7s	6.04 236	ePn	Pn	21 15 29.5 -1.0
ARS	Arshan		eSg	Pb	21 15 48.3 +2.3
ARS			eSg	Sb	21 16 38.2 -2.1
ARS			pmax	pmax	21 17 07.4 -6.5
ARS	comp=E,32nm,0.6s		smax	smax	
ARS	comp=E,335nm,0.8s	6.04 236	ePn	Pn	21 15 30.0 -0.5
ARS	Arshan		eSg	Sm	21 17 08.6 -5.3
ARS			smax	smax	
ZAK	comp=E,336nm,0.6s	6.80 223	e	Sb	21 17 18.3
ZAK	Zakamensk		eSg	Sb	21 17 28.6 +8.1
ZAK			smax	smax	
MOY	comp=E,124nm,1.1s	6.89 239	ePn	Pn	21 15 44.2 +0.3
MOY	Mondy		eSg	Sb	21 15 56.7
MOY			max	max	21 17 32.5 +9.2
MOY	comp=E,76nm,0.3s		smax	smax	
MOY	comp=E,159nm,1.7s	6.89 239	ePg	Pb	21 16 04.1 +3.6
MOY	Mondy		e	pmax	21 17 31.7
MOY			pmax	pmax	
MOY	comp=Z,29nm,0.4s		smax	smax	
ORL	comp=N,160nm,1.8s	7.01 249	lPn	Pn	21 15 44.2 +0.5
ORL	Orik		e	Sn	21 16 01.9
ORL			eSg	Sg	21 17 03.3
ORL			max	max	21 17 36.5 -8.3
ORL	comp=N,47nm,1.6s		smax	smax	
ORL	comp=N,208nm,1.7s	7.01 249	ePn	Pn	21 15 43.9 +0.2
ORL	Orik		e	Sm	21 16 05.5
ORL			pmax	pmax	21 17 36.7
ORL	comp=Z,24nm,1.2s		smax	smax	
ORL	comp=N,208nm,1.7s	8.11 75	ePn	Pb	21 16 11.5 -1.0
ORL	Chul'man		pmax	pmax	
ORL	comp=Z,5.0nm,0.8s		pmax	pmax	
ORL	comp=E,4.0nm,0.9s		pmax	pmax	
ORL	comp=N,6.0nm,0.9s		MLR	MLR	
ORL	comp=Z,186nm,10.0s		MLR	MLR	
ORL	comp=N,122nm,11.0s		MLR	MLR	
ORL	comp=E,171nm,14.0s	8.16 200	Pn	Pn	21 15 59.6 0.0
SOMM	Songino Array		Pg	Pb	21 16 29.2 +7.1
SOMM	comp=E,0.4nm,0.3s,baz=20,slow=17,SNR=6.3		Lg	Lg	21 18 14.8
ZALV	comp=E,0.6nm,0.3s,baz=9.4,slow=30,SNR=9.6		Pn	Pn	21 17 31.3 -0.4
ZALV	Zalesovo Beam		Lg	Lg	21 21 45.8
ZALV	comp=E,0.1nm,0.3s,baz=76,slow=12,SNR=18		Lg	Lg	21 21 45.8
TIXI	comp=E,0.1nm,0.3s,baz=89,slow=22,SNR=3.1		Pn	Pn	21 18 07.3 -2.8
TIXI	Tiksi		Sn	Sn	21 21 17.2 -1.3
TIXI	comp=E,0.3nm,0.3s,baz=188,slow=7.1,SNR=5.8		Sg	Sg	21 23 20.7
TIXI			Lg	Lg	21 23 20.7
KURK	Kurchatov	19.64 269	P	P	21 18 30.2 +0.4
MKAR	Makanchi Array	19.65 265	P	P	21 18 30.4 +0.6
KURBB	Kurchatov Arra	19.74 269	P	P	21 18 30.2 -0.4
BVAR	Borovyoye Array	23.34 261	P	P	21 19 09.5 +0.1
GEYT	comp=E,1.5nm,0.6s,baz=50,slow=11,SNR=12	38.95 266	LR	LR	21 38 02.2
ILAR	Eielson Array	46.32 35	P	P	21 22 26.5 -0.3
ILAR	comp=E,0.5nm,0.8s,baz=301,slow=7.3,SNR=4.1		P	P	

DDA 14 21:28:40.4, 38:73N:43:69E, h7km, ML3.4  
 ISK 14 21:28:40.9, 38:74N:43:54E, h5km, ML2.3  
 ISJCJB 14 21:28:41.5, 0.9, 38:73N:0:03:43:66E:0:06, h5km, 6km, Error ellipse: s-maj=8.1km s-min=4.3km az=5.5  
 CSEM 14 21:28:41.2, 0.3, 38:72N:43:64E, h2km, ML2.3, Error ellipse: s-maj=8.1km s-min=4.6km az=82.0  
 ISC 14 21:28:41.8, 1.2, 38:74N:0:02:43:62E:0:04, h8km, 6km, n30, r121/46, Turkey

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
VANB	Van	0.23	232	Op	21 28 46.4	-0.1
VANB	Van	0.23	232	ePg	21 28 51.8	+2.1
VANB	Van	0.23	232	eSg	21 28 46.4	-0.1
VMUR	Van-Muradiye	0.26	351	P	21 28 46.7	-0.4
VMUR	Van-Muradiye	0.26	351	iP	21 28 52.5	+0.3
VMUR	Van-Muradiye	0.26	351	P	21 28 46.7	-0.4
TVAN	Van	0.27	219	P	21 28 52.7	-0.8
TVAN	Van	0.27	219	iP	21 28 46.7	-0.5
TVAN	Van	0.27	219	S	21 28 51.7	-2.0
ERCV	ERCIS-VAN	0.36	322	ePg	21 28 48.4	-0.6
ERCV	ERCIS-VAN	0.36	322	eSg	21 28 54.5	+0.7
ERCV	ERCIS-VAN	0.36	322	ePg	21 28 48.4	-0.6
ADCV	BITLIS_Adilcev	0.70	276	iP	21 28 54.8	+0.7
ADCV	BITLIS_Adilcev	0.70	276	iS	21 29 06.2	-0.1
ADCV	BITLIS_Adilcev	0.70	276	P	21 28 54.8	+0.7
DYDN	Diyadin	0.81	4	iS	21 29 06.2	+0.8
DYDN	Diyadin	0.81	4	P	21 29 10.2	+0.8
TUTA	Tutak	0.92	317	P	21 29 12.1	-0.4
TUTA	Tutak	0.92	317	P	21 28 58.3	-1.2
TUTA	Tutak	0.92	317	S	21 29 12.1	-0.4
AGRB	Hanur-Agry	0.97	330	ePg	21 28 59.2	-1.3
AGRB	Hanur-Agry	0.97	330	eSg	21 29 14.0	-0.1
AGRB	Hanur-Agry	0.97	330	ePg	21 29 14.0	-0.1
HAKT	HAKKARI	1.18	177	iP	21 29 02.8	-1.6
HAKT	HAKKARI	1.18	177	iS	21 29 24.0	+3.0
HAKT	HAKKARI	1.18	177	P	21 29 02.8	-1.6
EKAR	Karacoban	1.32	294	iP	21 29 07.0	0.0
EKAR	Karacoban	1.32	294	P	21 29 07.0	0.0
TASB	TASBURUN-IGDIR	1.34	21	ePn	21 29 07.2	-0.3
TASB	TASBURUN-IGDIR	1.34	21	ePn	21 29 07.2	-0.3
EATA	Eleskirt	1.43	322	iP	21 29 07.7	-0.6
EATA	Eleskirt	1.43	322	iS	21 29 29.3	+1.9
EATA	Eleskirt	1.43	322	S	21 29 07.7	-0.6
CUKT	Cukurca	1.48	180	Pn	21 29 10.3	-0.1
CUKT	Cukurca	1.48	180	Pn	21 29 10.3	-0.1
VRTB	Varto-Mus	1.74	285	ePn	21 29 12.3	-0.1
SENK	Senkaya-Erzuru	2.07	332	ePn	21 29 12.3	-1.6
SENK	Senkaya-Erzuru	2.07	332	ePn	21 29 18.2	-1.6

ISCJB 14 21:31:01.7, 0.8, 38:86N:0:03:43:70E:0:06, h9km, 4km, Error ellipse: s-maj=7.6km s-min=4.2km az=3.3  
 CSEM 14 21:31:01.2, 0.3, 38:86N:43:68E, h2km, ML3.0, Error ellipse: s-maj=7.8km s-min=4.7km az=91.4  
 ISK 14 21:31:01.4, 38:87N:43:66E, h7km, ML2.0  
 DDA 14 21:31:01.2, 38:83N:43:63E, h7km, M13.0  
 ISC 14 21:31:02.1, 1.0, 38:85N:0:02:43:62E:0:04, h9km, 7km, n32, r116/50, Turkey

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
VMUR	Van-Muradiye	0.15	344	iP	21 31 04.6	+0.9
VMUR	Van-Muradiye	0.15	344	P	21 31 09.1	+1.3
VMUR	Van-Muradiye	0.15	344	S	21 31 04.6	+0.9
ERCV	ERCIS-VAN	0.28	308	ePg	21 31 07.5	-0.3
ERCV	ERCIS-VAN	0.28	308	eSg	21 31 12.6	+0.9
ERCV	ERCIS-VAN	0.28	308	ePg	21 31 07.5	-0.3
VANB	Van	0.31	216	eSg	21 31 12.6	+0.9
VANB	Van	0.31	216	eSg	21 31 16.1	+1.0
VANB	Van	0.31	216	ePg	21 31 09.7	-0.2
VANB	Van	0.31	216	eSg	21 31 16.1	+1.0
TVAN	Van	0.36	208	iP	21 31 08.9	-0.4
TVAN	Van	0.36	208	iS	21 31 16.9	-0.8
TVAN	Van	0.36	208	P	21 31 16.1	-0.5
GEVA	Gevas	0.69	220	iP	21 31 14.4	-1.1
GEVA	Gevas	0.69	220	P	21 31 28.4	-1.1
DYDN	Diyadin	0.70	4	P	21 31 15.0	-0.6
DYDN	Diyadin	0.70	4	P	21 31 26.2	-0.2
DYDN	Diyadin	0.70	4	P	21 31 15.0	-0.6
ADCV	BITLIS_Adilcev	0.70	267	iP	21 31 14.8	-0.9
ADCV	BITLIS_Adilcev	0.70	267	iS	21 31 25.9	-0.6
ADCV	BITLIS_Adilcev	0.70	267	S	21 31 14.8	-0.9
TUTA	Tutak	0.84	312	iP	21 31 16.8	-1.5
TUTA	Tutak	0.84	312	P	21 31 30.3	-2.0
TUTA	Tutak	0.84	312	S	21 31 16.8	-1.5
AGRB	Hanur-Agry	0.88	326	ePg	21 31 18.0	-1.0
AGRB	Hanur-Agry	0.88	326	ePg	21 31 18.0	-1.0
TASB	TASBURUN-IGDIR	1.23	23	ePn		





Table with columns: MOA, Molln, 22.80 303, i P, P, 22 13 18.5 +0.2, etc. Lists various astronomical objects and their properties.

Table with columns: CLL, Collm, 24.56 311, i P, P, 22 13 35.0 -0.2, etc. Lists various astronomical objects and their properties.

Table with columns: KURK, Kurchatov, 27.68 53, eP, P, 22 14 04.0 +0.6, etc. Lists various astronomical objects and their properties.



14d 22h

Table with columns: TIA, Tai'an, 57.28, 68, JP, P, 22 18 04.4 +1.1, etc. Lists various stations and their coordinates and parameters.

2011 NOV

Table with columns: MCK, MCKinley, 77.47, 5, eP, P, 22 20 11.6 +1.0, etc. Lists various stations and their coordinates and parameters.

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Table with columns: NEW, Newport, 91.66, 347, eP, P, 22 21 22.7 -0.1, etc. Lists various stations and their coordinates and parameters.

ISC 14 22:10:22.2±0.8, 0.95S; 126.98E, h0km, mb4.0/12, mb1.4/0.13, mb1mx3.9/48, mbtmp4.0/13, ML3.1/1, MS3.5/2, MS1.3/5.2, ms1mx2.8/38, Error ellipse: s-maj=43.3km s-min=15.0km az=78.0

ISCJB 14 22:10:25.8±0.4, 0.93S; 0.0±4.126.88E±0.05, h34km, mb4.0/11, MS3.5/2, Error ellipse: s-maj=7.1km

DJA 14 22:10:25.7±0.3, 1.53°S, 127.7°E, h10km, M4.5/13, mb4.6/6, mB5.2/3, MLV4.4/13, Mw(mB)4.6/3

ISC 14 22:10:27.3±0.7, 0.96S; 0.0±6.126.92E±0.06, h34km, n31, ±12/29, mb4.0/11, Southern Molucca Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists station codes and names with associated data.

ISK 14 22:22:56.5, 38.64N-43.19E, h5km, ML2.5 DDA 14 22:22:56.4, 38.66N-43.29E, h7km, ML2.8 CSEM 14 22:22:57.0±0.2, 38.63N-43.21E, h2km, ML2.8, Error ellipse: s-maj=4.9km s-min=4.6km az=96.0

ISC 14 22:22:57.1±1.2, 38.65N-0.02±43.20E±0.02, h4km±10km, n40, ±17/55, Turkey

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists station codes and names with associated data.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VMUR Van-Muradiye, TUTA Tutak, AGRB Hanur-Agry, etc.

NEIC 14 23:05:31.8-0.0, 14.76N-93.72W, h16km, MD4.1 (MEX), After MEX.

MEX 14 23:05:31.8-0.0, 14.76N-93.72W, h16km, 999km, MD4.1, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PCIG Comitan, HUIG Huatulco, CMIG Matias Romero, etc.

CSEM 14 23:05:57.0-0.6, 36.40N-25.45E, h7km, 3km, ML1.0, Error ellipse: s-maj=27.7km s-min=18.8km az=85.0

THE 14 23:05:58.2, 36.42N-25.43E, h4km, ML1.0/2, Error ellipse: s-maj=1.8km s-min=0.5km az=89.0

ATH 14 23:05:57.7, 36.41N-25.46E, h6km, 3km, ML1.0/2, Error ellipse: s-maj=3.4km s-min=1.3km az=111.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like THR8 Santorini-Mono, THR7 Fira-Santorini, THR1 Athinios (Pele), etc.

THRS Thira Island, 0.09 274 P Pg 23 05 59.9 +0.2

IDC 14 23:07:11.4-1.2, 45.46N-24.56E, h0km, mb3.6/2, mb1 3.4/4, mb1mx3.1/40, mbtmp3.3/4, ML3.1/2, MS3.3/1, Ms1 3.3/1, ms1mx2.5/42, Error ellipse: s-maj=22.6km s-min=9.8km az=3.0

SIGU 14 23:07:12.6-0.1, 45.45N-0.01-24.59E, 0.01, h1km, mb2.9/3

BUC 14 23:07:12.1-0.6, 45.48N-24.59E, h5km, 5km, MD3.4/6, Error ellipse: s-maj=4.7km s-min=3.6km az=19.1

CSEM 14 23:07:12.7-0.1, 45.47N-24.59E, h2km, MD3.4, Error ellipse: s-maj=2.5km s-min=2.0km az=2.0

ISC 14 23:07:13.0-0.8, 45.47N-0.01-24.59E, 0.01, h7km, 6km, n171, s133/259, 60C-61D, Roman

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

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



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AGRB Hanur-Agry, EKAR Karacaban, EKAR Karacaban, etc.

NIED 14 23:40:00, 37.90N, 144.20E, h5km, Mw3.6 Best double couple: M=2.820000, 1014 NP1=79.00000, 839.00000, 7-5.00000, NP2=173.00000, 887.00000, 7-129.00000

JMA 14 23:40:47.8-0.2, 37.88N, 144.16E, h47km, M3.6, Off east coast of Honshu

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

IDC 14 23:43:23.1-1.5, 2.17N, 128.59E, h0km, mb3.5/5, mb1.3/6.5, mb1mx3.4/3.1, mb1mp3.5/5, M2.9/3, M1s1 2.9/3, mb1mx2.7/2.0, Error ellipse: s-maj=136.7km, s-min=20.0km, az=70.0, Halmahera

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

NNC 14 23:48:18.3-1.5, 44.43N, 80.78E, h0km, mb2.7, mpv2.5, Error ellipse: s-maj=53.4km, s-min=4.1km, az=122.0

SOME 14 23:48:19.0, 44.27N, 80.98E, h15km, ISC 14 23:48:16.4-1.8, 44.24N, 80.06-81.05E, 0.07, h1km=13km, n14, c1547/26, C-2D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DJR Jarkent, PDGK Podgomoye, PDGK Shalkode, etc.

ISK 14 23:49:59.4, 38.77N, 43.21E, h5km, ML2.5 DDA 14 23:50:00.3, 38.80N, 43.29E, h7km, ML3.2 CSEM 14 23:50:01.0, 0.2, 38.77N, 43.25E, h5km, ML2.5, Error ellipse: s-maj=5.9km, s-min=4.0km, az=68.0

ISC 14 23:50:00.8-1.0, 38.77N, 43.25E, 0.03, h14km, 8km, n24, c0971/38, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VANB Van, VANB Van, ERVC ERICIS-VAN, etc.

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

DDA 14 23:53:40.3, 38.92N, 43.79E, h14km, M3.5 ISK 14 23:53:40.9, 38.95N, 43.68E, h5km, ML3.0 ISCJB 14 23:53:41.7, 0.8, 38.94N, 0.02, 43.75E, 0.05, h7km, 4km, Error ellipse: s-maj=6.8km, s-min=4.1km, az=9.8

CSEM 14 23:53:41.7, 0.4, 38.95N, 43.74E, h10km, ML3.5, Error ellipse: s-maj=9.8km, s-min=5.4km, az=100.0

ISC 14 23:53:41.7, 1.1, 38.94N, 0.02, 43.74E, 0.03, h7km, 7km, n47, c095/79, Turkey

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

NEIC 15 00:00:39, 11.11N, 124.58E, h29km, mb4.1, ML2.9, MS2.6, 2D, Leyte

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

IDC 15 00:21:36.9-10.0, 5.80S, 130.90E, h60km, 89km, mb3.8/4, mb1.4/1.7, mb1mx3.7/2.7, mb1mp4.2/7, ML4.5/3, Error ellipse: s-maj=118.1km, s-min=24.6km, az=58.0

DJA 15 00:21:44.8-1.5, 6.5S, 131.13E, h17km, ML4.5/6, mb5.1/1, mb4.8/1, ML4.3/6, Mw(mB)4.4/1

ISC 15 00:21:34.9-0.8, 5.92S, 130.07, 131.56E, 0.08, h61km, n15, c25/197, mb3.9/4, Banda Sea

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MSAI Masohi, AAI Ambon, NLAI Namlea, etc.

ISCJB 15 00:34:46.4-0.9, 38.92N, 0.03, 43.81E, 0.06, h10km, 4km, Error ellipse: s-maj=8.4km, s-min=4.8km, az=1.3

ISK 15 00:34:46.4, 38.93N, 43.74E, h11km, ML2.6 CSEM 15 00:34:47.0, 0.5, 38.88N, 43.65E, h10km, ML3.1, Error ellipse: s-maj=12.1km, s-min=5.4km, az=87.0

DDA 15 00:34:48.4, 38.85N, 43.57E, h6km, M3.1 ISC 15 00:34:47.2-1.2, 38.92N, 0.02, 43.72E, 0.05, h11km, 7km, n29, c196/48, Turkey

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

NEIC 15 00:40:18.3-0.0, 36.23N, 118.31W, h4km, ML3.4(PAS), After PAS

NEIC Felt at Bakersfield, Lone Pine, Ridgecrest, Springville, Three Rivers and Visalia

ISC 15 00:40:18.3-1.1, 36.22N, 0.02, 118.30W, 0.02, h2km, 10km, n36, c195/62, Central California

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



15d 1h

139A	Bunkhouse Ranc	29.15 339	P	P	01 55 01.7 +0.5
Z41A	Richland Creek	29.15 342	P	P	01 55 00.6 -0.7
Z40A	Long Farm, Mag	29.34 341	P	P	01 55 02.8 -0.2
Z36A	Katherine and	29.37 335	P	P	01 55 03.4 +0.1
X45A	UM Field Stati	29.39 348	P	P	01 55 02.6 -0.8
Y42A	Garnett, Star	29.40 344	P	P	01 55 02.9 -0.6
KM5C	Kings Mountain	29.42 2	P	P	01 55 04.0 +0.3
137A	Heron Place, G	29.58 337	P	P	01 55 04.7 -0.4
JCT	Junction City	29.64 329	P	P	01 55 05.6 -0.1
JCT	Junction City	29.64 329	eP	P	01 55 08.1 +2.4
SWET	Sewanee	29.65 354	eP	P	01 55 06.9 +1.2
Y41A	Eglette Beard	29.67 343	P	P	01 55 05.4 -0.5
WHTX	Lake Whitney,	29.76 334	P	P	01 55 06.3 -0.4
WHTX	Lake Whitney,	29.76 334	eP	P	01 55 06.9 +0.1
CPCT	Cooper Cave	29.77 357	eP	P	01 55 13.8 +7.0
136A	Ennis	29.78 336	P	P	01 55 06.7 -0.2
Z38A	Mt. Pleasant	29.88 339	P	P	01 55 07.4 -0.3
TKL	Tuckaleechee C	29.94 358	P	P	01 55 07.1 -1.2
TKL	comp=Z,155nm,18.4s,baz=171,slow=36		LR	02 07 06.7	
TKL	Tuckaleechee C	29.94 358	eP	P	01 55 08.3 0.0
Y40A	Okolona	30.00 342	P	P	01 55 08.2 -0.6
X42A	Stuttgart	30.03 345	P	P	01 55 08.4 -0.6
SIV	San Ignacio	30.16 136	LR	LR	02 07 24.5
Y39A	Lockesburg	30.19 341	P	P	01 55 10.3 -0.2
X41A	Kaden, Bauxite	30.22 343	P	P	01 55 10.2 -0.6
X40A	Basin Creek Fa	30.30 343	P	P	01 55 11.2 -0.3
W43A	Forest City	30.31 347	P	P	01 55 10.8 -0.8
Z36A	Blue Ridge	30.44 337	P	P	01 55 12.1 -0.7
MIAR	Mount Ida	30.58 342	P	P	01 55 13.2 -0.8
V45A	Humboldt	30.58 350	P	P	01 55 13.5 -0.5
H06E1	SOCORRO T-PHASO,67 298	T	T	02 27 26.4	
X39A	Fountain Ranch	30.72 341	P	P	01 55 14.3 -0.9
Y37A	Hugo	30.76 338	P	P	01 55 15.1 -0.4
W41B	Gary Mavity, V	30.78 344	P	P	01 55 14.8 -0.9
WVT	Waverly	30.78 352	eP	P	01 55 22.7 +7.0
X30I	Greenbrier Sit	30.88 344	eP	P	01 55 16.0 -0.6
WHAR	Woolly Hollow	30.90 344	P	P	01 55 16.1 -0.7
Y36A	Durant	30.94 337	P	P	01 55 16.3 -0.9
TXAR	Lajitas Array	30.95 322	P	P	01 55 16.5 -0.9
TXAR	comp=Z,245nm,20.0s,baz=0,slow=57		LR	02 08 01.1	
TX31	Lajitas Ar. Si	30.95 322	eP	P	01 55 20.2 +2.7
LVC	Limon Verde	31.02 155	P	P	01 55 20.9 +2.5
V42A	Cord	31.16 346	P	P	01 55 17.7 -1.3
Y35A	Marietta	31.24 336	P	P	01 55 19.4 -0.4
R39A	Magazine	31.25 342	P	P	01 55 19.1 -0.7
ABTX	Abilene, Hawle	31.30 331	P	P	01 55 20.1 -0.3
ABTX	Abilene, Hawle	31.30 331	eP	P	01 55 21.9 +1.6
V41A	Mountainview	31.33 345	P	P	01 55 19.3 -1.4
W38A	Poteau	31.36 341	P	P	01 55 19.9 -1.0
V40A	Witts Springs	31.53 344	P	P	01 55 21.3 -1.0
X36A	Centrahoma	31.56 338	P	P	01 55 21.4 -1.2
U42A	Reverden	31.64 346	P	P	01 55 22.0 -1.3
X35A	Drake	31.65 337	P	P	01 55 22.6 -0.8
X35A	Drake	31.65 337	eP	P	01 55 23.4 0.0
V39A	Pettigrew	31.80 343	P	P	01 55 23.8 -1.0
U41A	Viola	31.80 345	P	P	01 55 23.4 -1.3
T44A	Benton	32.01 349	P	P	01 55 25.3 -1.2
V38A	Canehill	32.05 342	P	P	01 55 25.5 -1.5
U40A	Yellville	32.06 344	P	P	01 55 25.7 -1.1
T43A	Greenville	32.14 348	P	P	01 55 26.5 -1.1
U39A	Green Forest	32.26 343	P	P	01 55 27.2 -1.5
T42A	Van Buren	32.26 347	P	P	01 55 27.4 -1.3
HHAR	Hobbs	32.30 343	eP	P	01 55 27.4 -1.7
T41A	Mountain View	32.43 346	P	P	01 55 29.0 -1.3
V36A	Jenks	32.50 339	P	P	01 55 29.5 -1.3
S44A	Carbondale	32.54 350	P	P	01 55 30.1 -1.1
TUL1	Leonard	32.56 340	P	P	01 55 30.3 -1.0
S43A	Fulton Ridge,	32.57 349	P	P	01 55 30.3 -1.2
U38A	Gravette	32.58 342	P	P	01 55 30.4 -1.2
WCI	Wyandotte Cave	32.67 354	eP	P	01 55 37.0 +4.7
WMOK	Wichita Mounta	32.68 335	P	P	01 55 31.3 -1.2
WMOK	Wichita Mounta	32.68 335	eP	P	01 55 31.8 -0.7
T40A	Mansfield	32.72 345	P	P	01 55 31.4 -1.3
U37A	Salina	32.78 341	P	P	01 55 32.2 -1.1
V35A	Meyer Ranch, C	32.80 338	P	P	01 55 32.0 -1.4
T39A	Cleaver	32.83 344	P	P	01 55 32.2 -1.5
S42A	Caledonia	32.91 348	P	P	01 55 32.5 -1.9
S41A	Jillico Farms,	32.94 346	P	P	01 55 33.1 -1.6
R44A	Waltoville	33.05 350	P	P	01 55 34.5 -1.2
T38A	Diamond	33.10 343	P	P	01 55 34.7 -1.4
S40A	Lebanon	33.14 345	P	P	01 55 35.2 -1.2
R43A	Red Bud	33.23 349	P	P	01 55 36.3 -0.9
CCM	Cathedral Cave	33.28 347	eP	P	01 55 36.6 -1.0
T37A	Cheneyville 18	33.37 342	P	P	01 55 37.3 -1.2
OLIL	Olney	33.38 352	eP	P	01 55 43.5 +5.0
Q47A	Bedord North L	33.38 354	P	P	01 55 37.4 -1.1

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R42A	Luebbering	33.40 348	P	P	01 55 37.4 -1.3
S39A	Bolivar	33.44 344	P	P	01 55 37.8 -1.3
R41A	Rosebud	33.54 347	P	P	01 55 38.7 -1.3
S38A	Stockton	33.54 343	P	P	01 55 38.7 -1.2
Q46A	CEJHS Indians,	33.57 353	P	P	01 55 38.7 -1.4
T36A	Boggs Farm, Ca	33.63 340	P	P	01 55 39.6 -1.1
MNTX	Cornudas Mount	33.67 323	P	P	01 55 41.6 +0.4
MNTX	Cornudas Mount	33.67 323	eP	P	01 55 41.7 +0.5
Q44A	Meyer Farm, Va	33.68 351	P	P	01 55 39.9 -1.2
T35A	Sooner Cattle	33.71 340	P	P	01 55 40.2 -1.2
R40A	Maddies Statio	33.74 346	P	P	01 55 40.2 -1.5
Q43A	New Douglas	33.83 350	P	P	01 55 41.3 -1.1
P47A	Martinsville	33.91 355	P	P	01 55 41.9 -1.2
MSTX	Muleshoe	33.93 329	P	P	01 55 42.9 -0.7
S37A	Fort Scott	33.93 342	P	P	01 55 42.2 -1.1
R39A	Chumby Stover	33.95 345	P	P	01 55 42.1 -1.4
Q42A	Golden Eagle	33.96 349	P	P	01 55 42.5 -1.0
T34A	McClaskey Farm	34.05 339	P	P	01 55 43.1 -1.3
R38A	Fenwick Farm,	34.06 344	P	P	01 55 42.9 -1.5
AMTX	Amarillo	34.12 331	P	P	01 55 44.7 -0.4
S36A	Lake Cedric, C	34.14 341	P	P	01 55 43.7 -1.4
Q41A	Truxton	34.14 348	P	P	01 55 43.8 -1.3
P44A	Sand Creek, Wi	34.17 352	P	P	01 55 44.0 -1.4
U32A	Winter Ranch,	34.18 336	P	P	01 55 44.2 -1.4
S35A	Old Creek Ra	34.34 340	P	P	01 55 45.7 -1.2
Q40A	Laux Farm, Aux	34.36 347	P	P	01 55 45.7 -1.4
R37A	Teagarden Farm	34.45 343	P	P	01 55 46.5 -1.3
P43A	Skaggs, Pawnee	34.48 350	P	P	01 55 46.8 -1.2
P42A	Winchester	34.57 349	P	P	01 55 47.4 -1.5
S34A	Willow Spring	34.62 339	P	P	01 55 48.1 -1.2
Q47A	Sheridan	34.65 355	P	P	01 55 48.3 -1.2
R36A	Gordon, Harris	34.66 342	P	P	01 55 48.4 -1.2
Q38A	Cooks Store, C	34.71 345	P	P	01 55 48.8 -1.3
P41A	Barky Barry	34.80 348	P	P	01 55 49.2 -1.7
Q44A	Mansfield	34.82 352	P	P	01 55 49.8 -1.2
Q37A	Longview Farm,	34.86 344	P	P	01 55 49.6 -1.7
P40A	Paris	34.87 347	P	P	01 55 49.6 -1.8
SFIN	Lafayette	34.88 354	P	P	01 55 50.3 -1.9
R35A	Emporia Munici	34.88 341	P	P	01 55 49.9 -1.6
P39B	Salisbury	34.99 346	P	P	01 55 51.0 -1.5
Q43A	Sugar Creek Fa	35.08 351	P	P	01 55 51.5 -1.7
Q42A	Bath	35.12 350	P	P	01 55 51.9 -1.6
Q41A	Pasays Farm,	35.19 349	P	P	01 55 52.3 -1.9
R34A	Isabella, Hill	35.21 340	P	P	01 55 53.5 -0.9
Q36A	Arnold C. Orve	35.23 342	P	P	01 55 53.3 -1.2
P38A	Dawn	35.31 345	P	P	01 55 53.8 -1.4
Q35A	Mercer Eighty,	35.31 342	P	P	01 55 54.3 -1.0
HDIL	Hopedale	35.34 351	P	P	01 55 53.8 -1.7
HDIL	Hopedale	35.34 351	eP	P	01 55 54.1 -1.4
N45A	Kentland	35.38 353	P	P	01 55 55.2 -0.6
Q40A	La Belle	35.40 348	P	P	01 55 54.8 -1.1
N44A	Piper City	35.41 353	P	P	01 55 55.0 -1.0
P37A	Lathrop	35.49 344	P	P	01 55 55.2 -1.6
Q34A	Chapman	35.66 340	P	P	01 55 57.1 -1.2
O39A	Kirkville	35.67 347	P	P	01 55 57.0 -1.3
N43A	Stutzman Famil	35.70 351	P	P	01 55 57.7 -0.8
121A	Cookes Peak, D	35.71 322	P	P	01 56 00.8 +1.8
KSU1	Kansas State U	35.72 341	P	P	01 55 57.7 -1.1
KSU1	Kansas State U	35.72 341	eP	P	01 55 58.2 -0.5
N42A	Yates City	35.73 350	P	P	01 55 57.3 -1.5
N41A	Harden Midland	35.76 349	P	P	01 55 57.5 -1.5
P36A	Good Intent, A	35.77 343	P	P	01 55 57.9 -1.2
O38A	Galt	35.77 346	P	P	01 55 57.7 -1.4
P35A	Duane Minner,	35.92 342	P	P	01 55 59.5 -1.0
O37A	Wolven Farm, M	35.98 345	P	P	01 55 59.7 -1.3
N40A	Mertquake, Sal	36.07 348	P	P	01 56 00.4 -1.3
BNM	Barren Site	36.16 325	eP	P	01 56 05.1 +2.2
O36A	Bolckow	36.17 344	P	P	01 56 01.1 -1.5
P34A	Walnut Farm, R	36.19 341	P	P	01 56 01.7 -1.1
N39A	Derby Farms, D	36.26 347	P	P	01 56 01.8 -1.6
M41A	Milan	36.34 350	P	P	01 56 02.5 -1.5
N38A	Joess South For	36.34 346	P	P	01 56 02.7 -1.4
N37A	Lee Faris, Mou	36.55 345	P	P	01 56 04.6 -1.3
M40A	Post Highland	36.56 349	P	P	01 56 04.2 -1.7
O35A	Humboldt	36.57 343	P	P	01 56 04.5 -1.5
CBK5	Cedar Bluff	36.58 337	P	P	01 56 04.4 -1.8
LAZ	Ladron	36.64 325	eP	P	01 56 09.3 +2.3
ANMO	Albuquerque	36.65 326	P	P	01 56 08.2 +1.1
ANMO	Albuquerque	36.65 326	P	P	01 56 08.1 +1.1
ANMO	Albuquerque	36.65 326	eP	P	01 56 08.9 +1.9
O34A	Beatrice	36.73 342	P	P	01 56 06.2 -1.2
M39A	Webster	36.76 348	P	P	01 56 05.9 -1.7
L43A	Garden Prairie	36.85 352	P	P	01 56 07.7 -0.7
O33A	Hebron	36.92 341	P	P	01 56 07.8 -1.3
M38A	Pleasantville	36.93 347	P	P	01 56 07.3 -1.8

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L41A	Preston	37.02 350	P	P	01 56 08.3 -1.5
N35A	Tabor	37.04 343	P	P	01 56 08.9 -1.2
M37A	Trindle Farm,	37.12 346	P	P	01 56 09.2 -1.5
L40A	Anamosa	37.13 349	P	P	01 56 09.0 -1.8
T25A	Trinidad	37.24 330	P	P	01 56 10.9 -1.2
T25A	Trinidad	37.24 330	eP	P	01 56 13.9 +1.8
N34A	Lincoln	37.27 342	P	P	01 56 10.5 -1.5
L39A	Vinton	37.34 348	P	P	01 56 11.3 -1.3
M36A	Felix, Anita	37.36 345	P	P	01 56 11.3 -1.5
MHTCO	State Highway	37.37 330	eP	P	01 56 15.2 +2.0
N33A	J Bar K, Exete	37.48 341	P	P	01 56 12.0 -1.7
TUC	Tucson	37.48 319	P	P	01 56 15.3 +1.4
TUC	Tucson	37.48 319	eP	P	01 56 15.7 +1.8
L38A	Oak Wood Farm,	37.56 347	P	P	01 56 12.5 -2.0
M35A	Neola	37.61 344	P	P	01 56 12.5 -2.4
L37A	Arkoxit Point,	37.73 346	P	P	01 56 14.3 -1.6
K40A	Colesburg	37.74 350	P	P	01 56 14.5 -1.4
K39A	Celweim	37.88 349	P	P	01 56 15.7 -1.4
KSCO	Kaye Shedlock'	37.93 334	P	P	01 56 17.4 -0.4</

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Offset, Elevation Offset, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Peak, Elevation Peak, Azimuth Trough, Elevation Trough, Azimuth Range, Elevation Range, Azimuth Min, Elevation Min, Azimuth Max, Elevation Max, Azimuth Avg, Elevation Avg, Azimuth Std, Elevation Std, Azimuth Var, Elevation Var, Azimuth Cov, Elevation Cov, Azimuth Corr, Elevation Corr, Azimuth Pct, Elevation Pct, Azimuth Q1, Elevation Q1, Azimuth Q3, Elevation Q3, Azimuth IQR, Elevation IQR, Azimuth Range, Elevation Range, Azimuth Min, Elevation Min, Azimuth Max, Elevation Max, Azimuth Avg, Elevation Avg, Azimuth Std, Elevation Std, Azimuth Var, Elevation Var, Azimuth Cov, Elevation Cov, Azimuth Corr, Elevation Corr, Azimuth Pct, Elevation Pct, Azimuth Q1, Elevation Q1, Azimuth Q3, Elevation Q3, Azimuth IQR, Elevation IQR.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Offset, Elevation Offset, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Peak, Elevation Peak, Azimuth Trough, Elevation Trough, Azimuth Range, Elevation Range, Azimuth Min, Elevation Min, Azimuth Max, Elevation Max, Azimuth Avg, Elevation Avg, Azimuth Std, Elevation Std, Azimuth Var, Elevation Var, Azimuth Cov, Elevation Cov, Azimuth Corr, Elevation Corr, Azimuth Pct, Elevation Pct, Azimuth Q1, Elevation Q1, Azimuth Q3, Elevation Q3, Azimuth IQR, Elevation IQR.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Offset, Elevation Offset, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Peak, Elevation Peak, Azimuth Trough, Elevation Trough, Azimuth Range, Elevation Range, Azimuth Min, Elevation Min, Azimuth Max, Elevation Max, Azimuth Avg, Elevation Avg, Azimuth Std, Elevation Std, Azimuth Var, Elevation Var, Azimuth Cov, Elevation Cov, Azimuth Corr, Elevation Corr, Azimuth Pct, Elevation Pct, Azimuth Q1, Elevation Q1, Azimuth Q3, Elevation Q3, Azimuth IQR, Elevation IQR.

ISK 15 02:09:34.1, 38.71N-43.22E, h7km, ML2.3
DDA 15 02:09:35.3, 38.74N-43.38E, h7km, ML3.2
CSEM 15 02:09:35.8, 0.2, 38.76N-43.37E, h2km, ML2.3, Error ellipse: s-maj=5.6km s-min=3.2km az=88.0
ISC 15 02:09:35.7, 0.8, 38.77N-0.02-43.33E, 0.04, h10km, 7km, n35, r150/61, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Offset, Elevation Offset, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Peak, Elevation Peak, Azimuth Trough, Elevation Trough, Azimuth Range, Elevation Range, Azimuth Min, Elevation Min, Azimuth Max, Elevation Max, Azimuth Avg, Elevation Avg, Azimuth Std, Elevation Std, Azimuth Var, Elevation Var, Azimuth Cov, Elevation Cov, Azimuth Corr, Elevation Corr, Azimuth Pct, Elevation Pct, Azimuth Q1, Elevation Q1, Azimuth Q3, Elevation Q3, Azimuth IQR, Elevation IQR.

IDC 15 02:29:39.4, 0.2, 55.57N-85.11E, h0km, Error ellipse: s-maj=52.2km s-min=25.5km az=6.0, Southeastern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Offset, Elevation Offset, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Peak, Elevation Peak, Azimuth Trough, Elevation Trough, Azimuth Range, Elevation Range, Azimuth Min, Elevation Min, Azimuth Max, Elevation Max, Azimuth Avg, Elevation Avg, Azimuth Std, Elevation Std, Azimuth Var, Elevation Var, Azimuth Cov, Elevation Cov, Azimuth Corr, Elevation Corr, Azimuth Pct, Elevation Pct, Azimuth Q1, Elevation Q1, Azimuth Q3, Elevation Q3, Azimuth IQR, Elevation IQR.

JMA 15 02:30:28.2, 0.1, 38.39N-144.41E, h22km, M3.5, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Offset, Elevation Offset, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Peak, Elevation Peak, Azimuth Trough, Elevation Trough, Azimuth Range, Elevation Range, Azimuth Min, Elevation Min, Azimuth Max, Elevation Max, Azimuth Avg, Elevation Avg, Azimuth Std, Elevation Std, Azimuth Var, Elevation Var, Azimuth Cov, Elevation Cov, Azimuth Corr, Elevation Corr, Azimuth Pct, Elevation Pct, Azimuth Q1, Elevation Q1, Azimuth Q3, Elevation Q3, Azimuth IQR, Elevation IQR.

IDC 15 02:31:07.7, 0.8, 23.23S-175.60W, h0km, mb4.2/12, mb1 4.4/13, mb1mx4.2/28, mbtmp4.2/13, ML3.8/1, MS3.4/6, Ms1 3.4/6, ms1mx3.2/26, Error ellipse: s-maj=31.3km s-min=18.0km az=137.0

ISCJB 15 02:31:11.0, 0.5, 23.24S-175.74W, 0.10, h30km, mb4.2/19, MS3.5/5, Error ellipse: s-maj=13.3km s-min=8.3km az=18.8
NEIC 15 02:31:16.8, 1.3, 23.36S-175.67W, h71km, mb4.5/10, Error ellipse: s-maj=10.0km s-min=7.2km az=96.0

15d 3h

ISC 15 02:31:12.40.6, 23.36S, 0108.175.7W, 0.1, h30km, n53, c212/52, mb4.2/19, MS3.7/5, 1D, Tonga Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like RAO Raoul Island, MSVF Nonsvald, AFI Afiamalu, etc.

ISC 15 02:31:30.8, 38.75N, 43.16E, h6km, MD2.7
CSEM 15 02:31:31.8, 0.2, 38.77N, 43.18E, h5km, MD2.7, Error ellipse: s-maj=5.5km, s-min=4.0km az=77.0

DDA 15 02:31:31.7, 38.77N, 43.20E, h6km, MI2.9

ISC 15 02:31:32.1, 1.0, 38.77N, 0.02, 43.17E, 0.03, h13km, 7km, n32, c0986/53, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like VANB Van, ERVC ERVCIS-VAN, etc.

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Table with columns: EKAR, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like EKAR Karacaban, EATA Eleskirt, etc.

MEX 15 02:40:21.9, 0.5, 14.76N, 93.60W, h15km, MD4.0, Near coast of Chiapas

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

IDC 15 02:48:12.2, 60.0, 19.29S, 177.37W, h0km, mb3.8/3, mb1 4.0/3, mb1mx3.6/19, mbtmp3.8/3, Error ellipse: s-maj=1100.0km, s-min=169.6km az=82.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like STKA Stephens Creek, WRA Warramunga Arr, etc.

MEX 15 02:48:54.6, 0.6, 18.89N, 103.02W, h16km, 6km, MD3.6, Near coast of Michoacan

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

ISK 15 02:51:49.8, 38.62N, 43.22E, h2km, ML3.4
DDA 15 02:51:50.3, 38.60N, 43.16E, h5km, MI3.5
AZER 15 02:51:50.2, 5.1, 37.88N, 43.42E, h2km, Error ellipse: s-maj=50.5km, s-min=22.2km az=90.0

CSEM 15 02:51:51.1, 0.2, 38.63N, 43.21E, h2km, ML3.4, Error ellipse: s-maj=4.2km, s-min=3.6km az=128.0

ISC 15 02:51:51.5, 0.8, 38.62N, 0.02, 43.22E, 0.02, h9km, 6km, n81, c1925/121, 6C-7D, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like VANB Van, ERVC ERVCIS-VAN, etc.

IDC 15 03:36:15.9, 9.2, 30.67N, 41.76W, h0km, mb3.7/3, mb1 4.0/3, mb1mx3.5/29, mbtmp3.7/3, Error ellipse: s-maj=140.7km, s-min=28.5km az=38.0, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like TORO Torridi Ar. Bea, H10N2 ASCENSION HYDR46, etc.

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Table with columns: ERZM Erzurum, ERZM Erzurum, ERZM Cat-ERZURUM, etc.

MAN 15 02:58:59, 12.75N, 121.78E, h32km, mb4.1, ML2.9, MS2.6, 1C-1D, Mindoro

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like OTRP Odiangan, JUMP San Jose, etc.

ISK 15 03:32:49.9, 38.67N, 43.17E, h5km, ML2.2
DDA 15 03:32:51.8, 38.72N, 43.40E, h7km, MI2.8
ISCJB 15 03:32:52.7, 0.5, 38.72N, 0.03, 43.35E, 0.05, h8km, 5km, Error ellipse: s-maj=7.0km, s-min=4.5km az=176.4

CSEM 15 03:32:52.1, 0.3, 38.71N, 43.37E, h5km, ML2.2, Error ellipse: s-maj=8.3km, s-min=5.3km az=84.0

ISC 15 03:32:52.6, 0.9, 38.71N, 0.03, 43.36E, 0.03, h13km, 7km, n26, c1903/39, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like VANB Van, ERVC ERVCIS-VAN, etc.

ISC 15 03:32:52.6, 0.9, 38.71N, 0.03, 43.36E, 0.03, h13km, 7km, n26, c1903/39, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like VANB Van, ERVC ERVCIS-VAN, etc.

IDC 15 03:36:15.9, 9.2, 30.67N, 41.76W, h0km, mb3.7/3, mb1 4.0/3, mb1mx3.5/29, mbtmp3.7/3, Error ellipse: s-maj=140.7km, s-min=28.5km az=38.0, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like TORO Torridi Ar. Bea, H10N2 ASCENSION HYDR46, etc.

CSEM 15 03:37:32.3, 0.2, 38.78N, 43.30E, h10km, ML2.7, Error ellipse: s-maj=5.8km, s-min=3.8km az=83.0
DDA 15 03:37:32.4, 38.75N, 43.28E, h7km, MI2.7
ISCJB 15 03:37:33.0, 0.5, 38.77N, 0.03, 43.32E, 0.06, h8km, 7km, Error ellipse: s-maj=7.6km, s-min=4.5km az=14.4
ISC 15 03:37:33.0, 0.9, 38.77N, 0.02, 43.32E, 0.04, h14km, 7km, n21, c1911/35, Turkey









Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MJAR, MAT, SOM, MKAR, KURBB, WRA, FINES, KBZ, AKASO.

CSEM 15 06:05:00.5-0.1, 38.24N, 14.67E, h9km, MD2.2/18
ROM 15 06:05:00.5-0.1, 38.24N, 14.67E, h9km, MD2.2/18,
MI2.3/13, Error ellipse: s-maj=1.0km s-min=0.8km
az=110.0, Sicily

Main table for Sicily region with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSFR, MUCR, VPL, LLI, MNO, IFIL, NOV, MILZ, PLLN, MCSR, GALT, MPNC, MMME, GIB, MSRU, MSCL, GMB, MPAZ.

CSEM 15 06:05:43.0, 38.24N, 14.66E, h9km, MD1.8/3
ROM 15 06:05:43.0-0.1, 38.24N, 14.66E, h9km, MD1.8/3,
MI2.0/3, Error ellipse: s-maj=1.2km s-min=0.9km
az=110.0, Sicily

Main table for Sicily region (continued) with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSFR, MUCR, VPL, LLI, MNO, IFIL, NOV, MILZ, MCSR, GALT, MPNC, MMME.

Summary table for Mongiuffi-Meli, MSRU, MSRU stations with columns: Code, Station Name, Az, Phase ID, Time, Res.

GUC 15 06:21:42.5-0.6, 19.62S, 69.95W, h68km, 3km, ML3.7,

Main table for GUC region with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PSGC, MNMC, HMB, PB08, PB12, ARCH, PBO1, PBO9.

CSEM 15 06:29:18.7-0.7, 38.89N, 43.61E, h10km, ML2.9, Error
ellipse: s-maj=16.9km s-min=8.0km az=87.0
DDA 15 06:29:19.4, 38.87N, 43.57E, h7km, MI2.9
ISC 15 06:29:19.7-1.1, 38.88N, 0.03-43.53E, h10km, 11km,

Main table for Turkey region with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VMUR, VYAN, TVAN, ADCV, BITLIS, GEVA, TUTA, AGRB, CUKT.

MEX 15 06:32:52.3-0.4, 16.30N, 98.30W, h5km, MD3.5, Near
coast of Guerrero

Main table for Mexico region with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PNIG, TLIG, VHU, HUIG.

ISK 15 06:34:26.7, 38.52N, 43.06E, h24km, ML2.1
ISCJB 15 06:34:27.0-0.7, 38.51N, 0.04-43.03E, h0.06, h27km, 6km,
Error ellipse: s-maj=7.6km s-min=5.9km az=166.0
DDA 15 06:34:27.4, 38.57N, 42.99E, h7km, MI2.9
CSEM 15 06:34:27.5-0.3, 38.55N, 43.04E, h10km, ML2.9, Error
ellipse: s-maj=7.1km s-min=4.6km az=58.0

ISC 15 06:34:27.1-1.0, 38.52N, 0.04-43.03E, h0.04, h25km, 9km,
n16, c#34/27, Turkey

Main table for Turkey region (continued) with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GEVA, VYAN, TVAN, ADCV, BITLIS, TUTA, AGRB, CUKT, SVAN.

ISC 15 06:38:46.7, 1.1, 32.59S, 71.75W, h0km, mb3.8/2,
mb1.3/9, mb1mx3.8/20, mbtmp3.8/7, ML4.0/5, MS3.7/2,
Ms1.3/2, mb1mx2.9/17, Error ellipse: s-maj=39.0km
s-min=27.7km az=100.0
GUC 15 06:38:51.4-0.6, 32.63S, 71.59W, h34km, 4km, ML3.8
SJA 15 06:38:52.4-2.1, 32.57S, 71.61W, h10km, 71km, ML3.8,
MW4.2

ISC 15 06:38:46.7-1.8, 32.78S, 0.05-71.99W, h0.06, h11km, 10km,
n43, c#200/45, Near coast of central Chile

Main table for Chile region with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ROCI, ROCH, PEL, CLCH, ANTU, FSR, FCH.

Summary table for FCH, AUSP, RTLS stations with columns: Code, Station Name, Az, Phase ID, Time, Res.

Main table for various regions with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARCO, ASAL, AAGR, ROCR, SJA, RTLL, AMOC, APLA, MRA, ACLC, TCA, PLCA, LVC, LVP, CPUP, LPAZ, SIV, BDBF, TXAR, TORD, H1S2, H1S1, H1S3, H1N3, H1N1, H1N2, BVAR, AAK, KURBB, ZALV, MKAR, WRA, ASAR, MKAR, OMAN, TEH, DSN, ISC, AHBH, GHIR, ISRV, SHME, NGRK, KHGB, ICHK, BANOM, ANOM, TVBK, IBAF, IBAF, IZEF.

Table with columns: IZEF, comp=Z,91nm,0.3s, eAMB, AMB, 06 54 07.8, etc. Includes stations like Zefreh, Nazwa, Esma-Masafi, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, etc. Includes stations like I46RU, ZALV, I34MN, etc.

ISC 15 07:11:07.5, 38.48N, 43.54E, h18km, MD3.3
ISCJB 15 07:11:08.6, 0.7, 38.43N, 0.03, 43.45E, 0.06, h12km, 3km, Error ellipse: s-maj=8.2km s-min=5.7km az=11.9

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

Table with columns: MAZI, Mazidag, 2.59 248 ePn, Pn, 07 11 50.5 +0.4, etc. Includes stations like LPAZ, LVC, PTGA, etc.

IDE 15 07:24:19.2, 1.0, 16.28S, 68.67W, h260km, 5km, mb2.9/2, mb1 3.2/4, mb1mx3.0/22, mbtmp3.8/4, Error ellipse: s-maj=38.2km s-min=16.2km az=100.0, Peru-Bolivia border region

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

CSEM 15 07:27:38.4, 38.24N, 26.66W, h1km, ML3.1
PDA 15 07:27:38.4, 0.5, 38.24N, 26.66W, h1km, 2km, MD3.8, ML3.1, 6C, Error ellipse: s-maj=3.0km s-min=0.8km

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

TAP 15 07:33:47.4, 22.83N, 121.31E, h19km, ML3.5, 7C-3D, A, Taiwan region

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

Table with columns: WDT, Danda, 0.94 350 eP, Pb, 07 34 04.3 -0.9, etc. Includes stations like CHNS, CHNS, TWK1, etc.

ISCJB 15 07:49:48.1, 0.3, 61.02N, 0.02, 150.34W, 0.03, h26km, 2km, mb4.1/3, MS4.1/2, Error ellipse: s-maj=3.4km s-min=2.3km az=165.5

NEIC 15 07:49:48.4, 0.0, 61.04N, 150.36W, h23km, ML3.3(AEIC), NEIC Felt [III] at Anchorage and [II] at Girdwood. Also felt at Eagle River.

ISC 15 07:49:49.1, 0.8, 61.03N, 0.03, 150.34W, 0.02, h28km, 4km, n105, s192/122, mb4.1/3, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, etc. Includes stations like VOGL, FIB, RC01, etc.

Table with columns: Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, and other parameters. Includes stations like GRIN, MCARA, WRH, WAX, HDA, etc.

158.00000... Principal axes: T 2.4300, Plg48.0000, Azm31.0000... ISCBJ 15 07:56:03.9... DUA 15 07:56:04.0... KLM 15 07:56:06.1... ISC 15 07:56:02.3...

Table with columns: Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, and other parameters. Includes stations like DCPH, UWJI, PBKI, SDKM, AS31, etc.

Table with columns: Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, and other parameters. Includes stations like ILAR, ILB, OHAK, BARN, etc.

Table with columns: Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, and other parameters. Includes stations like SAUI, SAUI, SAUI, SAUI, SAUI, etc.

Table with columns: Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, and other parameters. Includes stations like ASAR, ASAR, ASAR, ASAR, ASAR, etc.

ISK 15 07:51:15.0, 38.67N, 43.14E, h8km, MD3.0

ISCJB 15 07:51:16.0, 38.67N, 0.03, 43.19E, 0.04, h12km, 4km, Error ellipse: s-maj=5.1km s-min=4.4km az=170.8

CSEM 15 07:51:16.0, 38.67N, 43.18E, h10km, MD3.0, Error ellipse: s-maj=4.8km s-min=4.0km az=68.0

DAGI 15 07:51:16.4, 38.66N, 43.18E, h8km, MI3.3

ISC 15 07:51:16.5, 0.9, 38.65N, 0.02, 43.17E, 0.03, h12km, 7km, n32, c131/53, Turkey

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, and other parameters. Includes stations like VANB, VANB, VANB, TVAN, TVAN, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, and other parameters. Includes stations like BSSI, BASI, BASI, LUWI, LUWI, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, and other parameters. Includes stations like ENPP, ENPP, ENPP, OTRP, OTRP, etc.

BUI 15 07:55:54.4, 8.07S, 128.42E, h162km, mb5.7/84, mb5.5/59

MOS 15 07:55:59.9, 1.1, 7.40S, 127.81E, h155km, mb5.9/79, Error ellipse: s-maj=7.8km s-min=4.5km az=113.3

GCMT 15 07:56:02.0, 2.0, 1.771S, 127.92E, h177km, MW5.6/134, Moment Tensor Solution. s103,c176, s134,c318;

Duration: 15s Moment tensor: Scale 10^17Nm; M0=0.71e+03; M1=1.52e+04; M2=1.91e+03; M3=0.60e+04; M4=1.31e+03; Best double couple: M2.93300x10^17 NP1:365.00000, 882.00000;

1.64.00000; NP2:360.00000, 827.00000; 1.63.00000;

Principal axes: T 2.9040, Plg46.0000, Azm300.0000; N -0.1220, Plg26.0000; Azm68.0000; P -2.8710, Plg32.0000; Azm176.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/manile waves, cutoff=50s.

NEIC 15 07:56:02.0, 2.0, 1.7, 7.48S, 127.85E, h166km, mb5.8/175, MW5.5, MW5.5 Error ellipse: s-maj=3.2km s-min=2.5km az=52.0 Moment Tensor Solution. s21 Moment tensor: Scale 10^17Nm; M1=1.26; M2=0.59; M3=0.16; M4=1.62; M5=1.01; Best double couple: M2.20000, 1017 NP1:361.00000, 614.00000; 1.25.00000; NP2: 366.00000, 879.00000; 1.82.00000; Principal axes: T 2.5900, Azm36.0000; N -0.9900, Plg8.0000; Azm67.0000; P -1.5700, Plg33.0000; Azm162.0000;

NEIC Felt [III] at Darwin, Australia. Also felt at Humpty Doo-MacMinns Lagoon.

IDC 15 07:56:03.0, 0.9, 7.48S, 127.85E, h174km, 7km, mb5.5/48, mb1 5.4/49, mb1mx5.4/52, mbmp5.9/49, MS4.2/8, Ms1 4.2/8, ms1mx3.9/27 Error ellipse: s-maj=8.5km s-min=5.9km az=62.0

NEIC 15 07:56:02.0, 0.0, 7.62S, 127.95E, h160km, Moment Tensor Solution. s13 Moment tensor: Scale 10^17Nm; M1=0.66; M2=1.02; M3=0.36; M4=1.78; M5=0.35; M6=1.14; Best double couple: M2.30000, 1017 NP1:333.00000, 882.00000; 1.70.00000; NP2:313.00000, 621.00000;

PKIKP PKIKP 08 12 16.5 -0.8

WRA 69nm, 0.3s, baz=328, slow=23, SNR=11

WRA 69nm, 0.3s, baz=309, slow=1, SNR=7.2

WRA 0.1nm, 0.3s, baz=151, slow=4.0, SNR=8.9

WRA 0.1nm, 0.3s, baz=151, slow=4.0, SNR=8.9

WRA 0.1nm, 0.3s, baz=151, slow=4.0, SNR=8.9

WRA 0.1nm, 0.3s, baz=151, slow=4.0, SNR=8.9

WRA 0.1nm, 0.3s, baz=151, slow=4.0, SNR=8.9

WRA 0.1nm, 0.3s, baz=151, slow=4.0, SNR=8.9

WRA 0.1nm, 0.3s, baz=151, slow=4.0, SNR=8.9

WRA 0.1nm, 0.3s, baz=151, slow=4.0, SNR=8.9

WRA 0.1nm, 0.3s, baz=151, slow=4.0, SNR=8.9

WRA 0.1nm, 0.3s, baz=151, slow=4.0, SNR=8.9

WRA 0.1nm, 0.3s, baz=151, slow=4.0, SNR=8.9

WRA 0.1nm, 0.3s, baz=151, slow=4.0, SNR=8.9

WRA 0.1nm, 0.3s, baz=151, slow=4.0, SNR=8.9

WRA 0.1nm, 0.3s, baz=151, slow=4.0, SNR=8.9

WRA 0.1nm, 0.3s, baz=151, slow=4.0, SNR=8.9

BLDU Ballidu 25.18 203 P P 08 01 12.2 +0.5

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BLDU Ballidu 25.18 203 P P 08 01 12.2 +0.5





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YAK	comp=N,206nm,1.1s		pmax	pmax					
YAK	comp=E,95nm,1.0s		pmax	pmax					
YAK	comp=Z,31nm,1.0s		pmax	pmax					
YAK	comp=N,19nm,1.1s		pmax	pmax					
YAK	comp=E,158nm,3.2s		pmax	pmax					
YAK	comp=N,37nm,2.0s		smax	smax					
YAK	comp=E,312nm,1.9s		smax	smax					
YAK	Yakutsk	69.42	1	eP	P			08 06 51.2	+0.1
KBL	Kabul	69.52	311	eP	S	P		08 05 43.0	-0.8
KBL	Kabul	69.52	311	eP	S	P		08 06 53.3	+0.7
AAK	Ala-Archa	69.62	321	P	P			08 06 54.3	+1.3
AAK	comp=E,300nm,0.9s,baz=118,slow=5.2,SNR=406				S	P		08 15 45.4	-2.0
AAK	Ala-Archa	69.62	321	P	P			08 06 54.3	+1.3
AAK	Ala-Archa	69.62	321	eP	P			08 06 54.8	+1.8
AAK	comp=E,326nm,0.9s				S	S		08 15 45.4	-2.0
AAK	Ala-Archa	69.62	321	P	P			08 06 54.3	+1.3
AAK	Ala-Archa	69.62	321	P	P			08 06 54.3	+1.3
FRU	Ala-Archa	69.62	321	P	P			08 06 54.3	+1.3
FRU	Bishkek	69.65	321	eP	P			08 06 53.0	0.0
FRU					i			08 07 16.0	
CHMS	Chumysh	69.66	321	P	P			08 06 53.7	+0.6
AML	Almayashu	69.86	320	P	P			08 06 56.3	+1.5
USP	Ospenovka	69.95	321	P	P			08 06 55.7	+0.8
EKS2	Erkin-Say	70.09	321	P	P			08 06 57.2	+1.4
MNAS	Manas	70.81	320	P	P			08 07 01.0	+0.8
RAR	comp=Z,422nm,1.1s				pmax	pmax			
RAR	Rarotonga	70.90	110	eP	P			08 07 02.6	+1.6
RAR	comp=Z,318nm,1.8s				pmax	pmax			
RAR	Rarotonga	70.90	110	eP	P			08 07 02.6	+1.6
ZAAO	Zalesovo Array	71.18	335	eP	P			08 07 01.9	-0.1
ZALV	Zalesovo Beam	71.18	335	eP	P			08 07 02.1	+0.2
ZALV	comp=Z,388nm,0.7s,baz=126,slow=4.4,SNR=800				S	S		08 16 02.0	-2.5
ZALV	comp=Z,8.1nm,0.9s,baz=121,slow=14,SNR=10				S	S		08 34 53.5	-1.1
ZALV					PKPPKP	P	P		
DZET	Dzherino	71.53	315	P	P			08 07 04.7	+0.1
KURBB	Kurchatov Arra	71.91	329	P	P			08 07 06.9	+0.5
KURBB	comp=Z,466nm,0.9s,baz=132,slow=5.0,SNR=1590				S	S		08 16 11.4	-1.6
KURKB	comp=Z,0.3nm,0.3s,baz=112,slow=10,SNR=4.5				S	S		08 07 07.2	+0.7
KURKB	Kurchatov	71.92	330	eP	P			08 16 11.4	-1.8
KURKB	Kurchatov	71.92	330	eP	P			08 07 07.2	+0.7
KURKB	Kurchatov	71.92	330	eP	P			08 16 11.4	-1.8
MSEY	Mahe Island	71.95	268	eP	P			08 07 07.9	+0.4
MSEY	comp=Z,19nm,0.9s				pmax	pmax			
MSEY	Mahe Island	71.95	268	eP	P			08 07 07.9	+0.4
VNDA	Vanda	72.14	173	P	P			08 07 08.3	+0.9
VNDA	comp=Z,36nm,0.7s,baz=319,slow=6.6,SNR=277				S	S		08 16 14.2	-0.8
VNDA	comp=Z,1.4nm,0.6s,baz=78,slow=21,SNR=11				S	S		08 34 50.7	-2.6
VNDA					PKPPKP	P	P		
VNDA	comp=Z,1.0nm,0.8s,baz=195,slow=2.9,SNR=4.8				S	S		08 07 08.4	+1.0
VNDA	comp=Z,50nm,0.8s				S	S		08 16 14.2	-0.8
VNDA					S	S		08 34 50.7	
KK31	Karatay Array	72.38	320	iP	P			08 07 09.7	+0.2
KKAR	Karatay Array	72.38	320	eP	P			08 07 10.2	+0.7
NVS	Novosibirsk	72.46	335	iP	P			08 07 09.9	+0.3
NVS					eS	S		08 16 15.7	-3.5
NVS					e			08 16 49.1	
NVS	comp=N,206nm,1.1s				pmax	pmax			
NVS	comp=Z,427nm,1.1s				pmax	pmax			
NVS	comp=E,208nm,1.2s				smax	smax			
NVS	comp=N,18nm,1.4s				smax	smax			
SEY	Seymchan	72.78	11	P	P			08 07 11.9	+0.6
SEY	comp=E,298nm,0.7s,baz=204,slow=8,SNR=853				S	S		08 16 20.5	-2.0
SBA	Scott Base	73.05	172	eP	P			08 07 14.6	+1.8
SBA	comp=Z,57nm,0.9s				pmax	pmax			
SBA	Scott Base	73.05	172	eP	P			08 07 14.6	+1.8
MAW	Mawson	73.64	201	P	P			08 07 18.1	+1.8
MAW	comp=Z,99nm,0.6s,baz=76,slow=5.3,SNR=242				S	S		08 07 18.2	+1.8
MAW	Mawson	73.64	201	eP	P			08 07 18.2	+1.9
WBK	Wadi Bani Khal	73.74	296	P	P			08 07 18.6	+0.7
WBK	Wadi Bani Khal	73.74	296	P	P			08 07 18.6	+0.7
WSAR	Wadi Sarin	74.21	297	P	P			08 07 20.8	+0.3
WSAR	comp=Z,213nm,1.0s,baz=128,slow=6.7,SNR=141				S	S		08 07 20.9	+0.3
JMDO	Jabal Madar	74.45	296	P	P			08 07 22.6	+0.7
JMDO	comp=Z,14nm,0.9s				S	S		08 07 22.6	+0.7
SMDO	Samad	74.68	296	P	P			08 07 24.1	+0.7
SMDO	Samad	74.68	296	P	P			08 07 24.1	+0.7
BIDO	Bidbid	74.73	297	P	P			08 07 23.9	+0.4
BIDO	Bidbid	74.73	297	P	P			08 07 23.9	+0.4
BSY	Bisyra	75.35	296	P	P			08 07 27.7	+0.5
BSY	Bisyra	75.35	296	P	P			08 07 27.7	+0.5
HOQ	Hogain	75.47	297	P	P			08 07 28.6	+0.8
HOQ	Hogain	75.47	297	P	P			08 07 28.6	+0.8
SHAO	Shalim	75.66	291	P	P			08 07 28.6	-0.3
SHAO	Shalim	75.66	291	P	P			08 07 28.6	-0.3
ADK	Adak	75.79	32	eP	P			08 07 29.4	+0.5
ADK	Adak	75.79	32	eP	P			08 07 29.4	+0.5
KEKH	Kekaha	76.77	65	eP	P			08 07 36.6	+1.5
UOSS	Minazif	76.80	298	eP	P			08 07 36.1	+0.9
UOSS	Minazif	76.80	298	P	P			08 07 34.6	-0.6
HATD	Hatta, Dubai	76.83	298	iP	P			08 07 35.5	+0.1
HATD	Hatta, Dubai	76.83	298	P	P			08 07 35.5	+0.1
HATD	Hatta, Dubai	76.83	298	P	P			08 07 35.5	+0.1
ASHO	Ashiyah	76.86	297	iP	P			08 07 35.6	0.0

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ASHO	Ashiyah	76.86	297	P	P			08 07 35.8	+0.1
ASHO	Ashiyah	76.86	297	P	P			08 07 35.8	+0.1
RBK	Rabkut	76.87	290	P	P			08 07 36.0	+0.2
BANOM	Banah	76.96	299	iP	P			08 07 36.4	+0.2
BANOM	Banah	76.96	299	P	P			08 07 36.6	+0.4
BANOM	Banah	76.96	299	P	P			08 07 36.6	+0.4
ATKA	Atka Island	77.27	32	eP	P			08 07 37.3	+0.1
FAQ	Al Faqa, Dubai	77.28	297	iP	P			08 07 37.9	-0.1
FAQ	Al Faqa, Dubai	77.28	297	P	P			08 07 37.9	-0.1
FAQ	Al Faqa, Dubai	77.28	297	P	P			08 07 37.9	-0.1
NAZ	Nazwa, Dubai	77.28	298	iP	P			08 07 38.0	0.0
NAZ	comp=Z,31nm,0.9s,baz=116,slow=3.4,SNR=4.4				S	S		08 07 37.6	-0.3
NAZ	Nazwa, Dubai	77.28	298	P	P			08 07 37.6	-0.3
WHFO	Wadi Hawf	77.36	290	P	P			08 07 38.3	-0.3
WHFO	Wadi Hawf	77.36	290	P	P			08 07 38.3	-0.3
BVAO	Borovoye Array	77.43	329	P	P			08 07 37.9	-0.2
BVAO	comp=Z,510nm,1.1s				pmax	pmax			
BVAO	Borovoye Array	77.43	329	P	P			08 07 38.5	+0.4
BVAO	comp=Z,249nm,0.9s,baz=130,slow=6.0,SNR=681				S	S		08 17 11.2	-3.1
BVAR	comp=Z,2.2nm,0.8s,baz=147,slow=8.9,SNR=4.4				S	S		08 44 11.5	
BVAR	Borovoye Array	77.43	329	P	P			08 07 38.5	+0.4
BVAR	comp=Z,213nm,1.0s				pmax	pmax			
BVAR	comp=Z,247nm,0.9s				smax	smax			
BRVK	Borovoye	77.50	329	eP	P			08 07 39.2	+0.7
BRVK	comp=Z,447nm,1.0s				pmax	pmax			
BRVK	Borovoye	77.50	329	eP	P			08 07 39.2	+0.7
BRVK	comp=Z,447nm,1.0s				pmax	pmax			
BRVK	Borovoye	77.50	329	P	P			08 07 39.0	+0.5
ABTO	Aybut	77.68	290	P	P			08 07 40.7	+0.3
ABTO	comp=Z,40nm,0.9s,baz=116,slow=4.1,SNR=29				S	S		08 16 02.0	-2.5
ABTO	Aybut	77.68	290	P	P			08 07 40.7	+0.3
HON	Honolulu	78.17	66	eP	P			08 07 44.7	+1.8
HON	Honolulu	78.17	66	eP	P			08 07 43.9	+1.0
KIP	Kipapa	78.18	66	eP	P			08 07 43.0	+0.1
KIP	comp=Z,131nm,1.0s				pmax	pmax			
KIP	Kipapa	78.18	66	eP	P			08 07 43.0	+0.1
OPA	Opana	78.24	66	eP	P			08 07 45.9	+2.6
OPA	comp=Z,132nm,1.1s				pmax	pmax			
OPA	Opana	78.24	66	eP	P			08 07 45.9	+2.6
ABPO	Ambohimpnom	78.74	252	eP	P			08 07 47.3	+1.0
ABPO	Ambohimpnom	78.74	252	eP	P			08 07 47.3	+1.0
OPO	Ambohiraompo	78.81	253	P	P			08 07 47.9	+1.2
OPO	comp=Z,40nm,0.9s,baz=116,slow=4.1,SNR=29				S	S		08 16 02.0	-2.5
GEYT	Alibeck	78.97	311	P	P			08 07 47.5	+0.5
GEYT	comp=Z,98nm,0.7s,baz=160,slow=4.7,SNR=135				S	S		08 48 16.4	
GEYT	Alibeck	78.97	311	P	P			08 07 47.5	+0.5
TIXI	Tiksi	79.07	0	eP	P			08 07 45.9	-0.8
TIXI	comp=Z,96nm,20.4s,baz=115,slow=40				LR	LR		08 48 16.4	
TIXI	Tiksi	79.07	0	eP	P			08 07 45.9	-0.8
TIXI	comp=Z,209nm,0.6s,baz=151,slow=5.1,SNR=302				S	S		08 17 27.1	-3.8
TIXI	Tiksi	79.07	0	eP	P			08 07 45.8	-0.9
TIXI	comp=Z,7.3nm,0.8s,baz=281,slow=2.7,SNR=27				S	S		08 16 14.2	-0.8
TIXI	Tiksi	79.07	0	eP	P			08 07 46.3	-0.4
TIXI	comp=Z,253nm,0.9s				S	S		08 17 27.1	-3.8
TIXI	Tiksi	79.07	0	eP	P			08 07 46.3	-0.4
TIXI	comp=Z,227nm,0.7s				S	S		08 17 27.1	-3.8
TIXI	Tiksi	79.07	0	eP	P			08 07 45.8	-0.9
HPAH	Hawaii Prepara	80.00	68	eP	P			08 07 54.4	+1.4
MLOA	Mauna Loa Obs	80.01	69	eP	P			08 07 55.2	+1.7
MLOA	comp=Z,102nm,0.9s				S	S		08 16 14.2	-0.8
AIN	Ainaha	80.08	69	eP	P			08 07 55.9	+2.4
POHA	Pohakuloa	80.09	68	eP	P			08 07 55.4	+1.7
POHA	comp=Z,155nm,0.8s				S	S		08 16 49.	







15d 7h

Table with columns for ID, Name, Time, Distance, Speed, and other metrics. Includes entries like J32A, H33A, E34A, etc.

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Table with columns for ID, Name, Time, Distance, Speed, and other metrics. Includes entries like PLCA, N35A, L36A, etc.

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Table with columns for ID, Name, Time, Distance, Speed, and other metrics. Includes entries like K40A, U36A, M39A, etc.

N42A	Yates City	132.77	39	P	PKPdf	08 14 56.5	-0.4
L43A	Garden Prairie	132.79	37	P	PKPdf	08 14 56.5	-0.4
S40A	Lebanon	132.82	45	P	PKPdf	08 14 56.8	-0.3
V39A	Pettigrew	132.82	47	P	PKPdf	08 14 56.9	-0.3
Y38A	Idabel	132.82	50	P	PKPdf	08 14 57.2	0.0
437A	Phantom Ranch	132.88	55	P	PKPdf	08 14 58.1	+0.7
Z38A	Mt. Pleasant	132.90	51	P	PKPdf	08 14 58.0	+0.6
337A	Centerville	132.91	54	P	PKPdf	08 14 57.4	-0.1
K1C	Kosan Boka	132.94	272	ePKP1	SKPbc	08 18 07.7	-1.9
K1C	Kosan Boka	132.94	272	eP	PKPpre	08 14 40.0	
W39A	Magazine	133.00	48	P	PKPdf	08 14 57.5	0.0
Q41A	Truxton	133.01	42	P	PKPdf	08 14 57.5	+0.1
T40A	Mansfield	133.03	45	P	PKPdf	08 14 57.5	-0.1
138A	Matatal Enter	133.05	52	P	PKPdf	08 14 58.6	+0.9
X39A	Fountain Ranch	133.05	49	P	PKPdf	08 14 58.1	+0.4
DB1C	Dimbokro	133.08	272	ePKP1	PKPpre	08 14 43.4	
DB1C	Dimbokro	133.08	272	eP	PKP	08 14 58.0	-0.2
DB1C	Dimbokro	133.08	272	ePKP1	SKPbc	08 18 08.9	-1.1
DB1C	Dimbokro	133.08	272	ePKP1	PKPpre	08 14 42.9	
DB1C	Dimbokro	133.08	272	ePKP1	PKPpre	08 14 58.9	-0.5
DB1C	Dimbokro	133.08	272	ePKP1	SKPbc	08 18 08.9	-1.1
M43A	Walham Townsh	133.09	38	P	PKPdf	08 14 57.3	-0.2
Q42A	Bath	133.09	40	P	PKPdf	08 14 57.5	-0.1
U40A	Yellville	133.16	46	P	PKPdf	08 14 57.6	-0.2
L1C	Lamto	133.22	271	ePKP1	SKPbc	08 18 08.5	-2.0
L1C	Lamto	133.22	271	eP	PKPpre	08 14 43.5	
T1C	Toumodi	133.24	272	ePKP1	SKPbc	08 18 08.7	-1.9
T1C	Toumodi	133.24	272	eP	PKPpre	08 14 41.0	
R14A	Rosebud	133.25	43	P	PKPdf	08 14 58.1	+0.4
N43A	Stutzman Famil	133.25	39	P	PKPdf	08 14 58.1	+0.3
P42A	Winchester	133.26	41	P	PKPdf	08 14 58.1	+0.3
Z38A	Jacksonville	133.27	53	P	PKPdf	08 14 58.3	+0.2
L44A	Lake County Fo	133.28	37	P	PKPdf	08 14 57.8	0.0
Y39A	Lockesburg	133.31	50	P	PKPdf	08 14 58.5	+0.3
S41A	Jilco Farms,	133.35	44	P	PKPdf	08 14 58.0	-0.2
338A	Crockett	133.35	54	P	PKPdf	08 14 59.3	+1.0
HD1L	Hopedale	133.39	39	P	PKPdf	08 14 58.1	0.0
HD1L	Hopedale	133.39	39	ePKPdf	PKPpre	08 14 58.3	+0.2
GLM1	Grayling	133.42	42	ePKPdf	PKPpre	08 14 58.8	+0.8
V40A	Witts Springs	133.44	47	P	PKPdf	08 14 58.3	-0.1
MIAR	Mount Ida	133.44	49	P	PKPdf	08 14 58.9	+0.6
MIAR	Mount Ida	133.44	49	ePKHkp	PKPpre	08 14 47.2	
MIAR	Mount Ida	133.44	49	ePKHkp	PKPpre	08 14 59.9	
MIAR	Mount Ida	133.44	49	ePKHkp	PKPpre	08 14 47.7	
CCM	Cathedral Cave	133.46	43	ePKHkp	PKPpre	08 14 59.9	+0.2
CCM	Cathedral Cave	133.46	43	ePKHkp	PKPpre	08 14 45.8	
CCM	Cathedral Cave	133.46	43	ePKHkp	PKPpre	08 14 59.5	
CCM	Cathedral Cave	133.46	43	ePKHkp	PKPpre	08 14 45.8	
Q42A	Golden Eagle	133.49	42	P	PKPdf	08 14 59.5	-0.1
Z39A	Irene McRaven,	133.52	51	P	PKPdf	08 14 59.4	+0.9
W40A	Ferguson Farm,	133.53	48	P	PKPdf	08 14 58.8	+0.3
W40A	Ferguson Farm,	133.53	48	ePKPpre	PKPpre	08 14 47.2	
W40A	Ferguson Farm,	133.53	48	ePKPpre	PKPpre	08 14 59.5	-0.3
O43A	Sugar Creek Fa	133.53	40	P	PKPdf	08 14 58.6	+0.3
139A	Bunkhouse Ranc	133.58	52	P	PKPdf	08 14 59.8	+1.2
T41A	Mountain View	133.60	45	P	PKPdf	08 14 59.4	+0.8
R42A	Luebbering	133.65	43	P	PKPdf	08 14 59.8	+1.1
M44A	Midewin, Midew	133.68	38	P	PKPdf	08 14 59.6	+0.1
TRQA	Tornquist	133.68	169	ePKPpre	PKPpre	08 14 46.1	
NATX	Nacogdoches	133.72	53	P	PKPdf	08 15 00.0	+1.0
NATX	Nacogdoches	133.72	53	ePKPdf	PKPpre	08 15 00.6	+1.6
TL1G	Tipapa	133.73	73	ePKPdf	PKPpre	08 15 01.6	+2.1
P43A	Skaggs, Pawnee	133.76	40	P	PKPdf	08 14 59.7	+0.9
Z39A	Gary	133.78	52	P	PKPdf	08 14 59.0	-0.1
U41A	Viola	133.83	46	P	PKPdf	08 14 59.2	+0.2
Y40A	Okolona	133.89	49	P	PKPdf	08 14 59.5	+0.3
S42A	Caledonia	133.91	43	P	PKPdf	08 14 59.2	0.0
V41A	Mountainview	133.93	47	P	PKPdf	08 14 59.4	+0.1
339A	Huntington	133.97	53	P	PKPdf	08 14 60.0	+0.5
N44A	Piper City	133.98	38	P	PKPdf	08 14 59.7	+0.5
439A	Center Grove,	133.99	54	P	PKPdf	08 14 59.3	-0.2
X301	Greenbrier Sit	134.00	47	ePKPpre	PKPpre	08 14 47.7	
X40A	Basin Creek Fa	134.02	48	P	PKPdf	08 14 59.5	+0.1
Q43A	New Douglas	134.03	41	P	PKPdf	08 14 59.6	+0.2
FVM	French Village	134.05	43	ePKHkp	PKPpre	08 14 46.6	
FVM	French Village	134.05	43	ePKHkp	PKPpre	08 15 00.8	
FVM	French Village	134.05	43	ePKHkp	PKPpre	08 14 46.6	
FVM	French Village	134.05	43	ePKHkp	PKPpre	08 15 00.8	0.0
WHAR	Woolly Hollow	134.06	47	ePKPpre	PKPpre	08 14 47.7	
WHAR	Woolly Hollow	134.06	47	ePKPpre	PKPpre	08 15 00.3	-0.3
T42A	Van Buren	134.08	44	P	PKPdf	08 14 59.7	+0.2
Z40A	Long Farm, Mag	134.11	50	P	PKPdf	08 14 59.9	+0.2
O41B	Mansfield	134.14	39	P	PKPdf	08 14 59.7	+0.2
W41A	Gary Mavity, V	134.14	47	P	PKPdf	08 14 59.5	-0.2
WLAR	White Oak Lake	134.15	50	ePKPdf	PKPpre	08 15 01.1	+1.4
M45A	Bottermakers S	134.16	37	P	PKPdf	08 14 59.4	-0.1
U41A	Cam and Jess,	134.23	51	P	PKPdf	08 15 00.3	+0.5
R43A	Red Bud	134.23	42	P	PKPdf	08 14 59.7	-0.1
U41A	Kaden, Bauxite	134.25	48	P	PKPdf	08 15 00.3	+0.4
XALR	University of	134.25	48	ePKPpre	PKPpre	08 14 49.9	
U41R	University of	134.25	48	ePKPpre	PKPpre	08 15 02.0	+0.7
VLDQ	Val d'Or	134.26	24	ePKPpre	PKPpre	08 14 49.1	
VLDQ	Val d'Or	134.26	24	ePKPpre	PKPpre	08 14 59.9	-0.4
VLDQ	Val d'Or	134.26	24	ePKPpre	PKPpre	08 14 59.9	-0.1
240A	Hunter Patters	134.32	52	P	PKPdf	08 15 00.8	+0.7
N45A	Kentland	134.32	38	P	PKPdf	08 15 00.1	+0.2
P44A	Sand Creek, Wi	134.43	40	P	PKPdf	08 15 00.5	+0.4
Y41A	Eagletree Beard	134.45	49	P	PKPdf	08 15 00.6	+0.4

340A	Bronson	134.46	53	P	PKPdf	08 15 01.0	+0.6
V42A	Cord	134.47	46	P	PKPdf	08 15 00.2	0.0
Q44A	Meyer Farm, Va	134.49	41	P	PKPdf	08 15 00.6	+0.4
S43A	Fulton Ridge,	134.50	43	P	PKPdf	08 15 00.8	+0.5
O45A	Potomac	134.55	39	P	PKPdf	08 15 00.6	+0.3
Z41A	Richland Creek	134.57	50	P	PKPdf	08 15 00.9	+0.0
T43A	Greenville	134.61	44	P	PKPdf	08 15 00.4	-0.1
W42A	Bald Knob	134.62	47	P	PKPdf	08 15 00.6	+0.1
PBMO	Poplar Bluff	134.64	44	ePKPpre	PKPpre	08 14 47.9	
PBMO	Poplar Bluff	134.64	44	ePKPpre	PKPpre	08 15 01.9	-0.1
M45A	Old House Fiel	134.68	36	P	PKPdf	08 15 00.8	+0.3
141A	Papa Simpson,	134.76	51	P	PKPdf	08 15 01.9	+1.0
N46A	Monticello	134.77	37	P	PKPdf	08 15 01.2	+0.5
R44A	Waltonville	134.81	42	P	PKPdf	08 15 01.7	+0.9
SFIN	Lafayette	134.86	38	P	PKPdf	08 15 01.9	+1.1
SFIN	Lafayette	134.86	38	ePKPpre	PKPpre	08 14 48.3	
SFIN	Lafayette	134.86	38	ePKPpre	PKPpre	08 15 02.5	+0.1
X42A	Stuttgart	134.88	48	P	PKPdf	08 15 00.7	-0.4
U43A	Stuttgart	134.89	45	P	PKPdf	08 15 01.7	+0.7
241A	Mo Tay, Golden	134.99	52	P	PKPdf	08 15 01.2	-0.2
S44A	Carbondale	134.99	43	P	PKPdf	08 15 00.9	-0.2
341A	Kurthow	135.06	53	P	PKPdf	08 15 01.7	+0.2
V43A	Jonesboro	135.08	46	P	PKPdf	08 15 01.4	+0.1
Y42A	Garnett, Star	135.08	49	P	PKPdf	08 15 01.8	+0.4
T44A	Benton	135.09	44	P	PKPdf	08 15 01.5	+0.2
OLIL	Olney	135.18	41	ePKPpre	PKPpre	08 14 49.7	
PARMO	Parma	135.19	44	ePKPpre	PKPpre	08 15 03.8	+0.8
Z42A	Norrel Spur, H	135.21	50	P	PKPdf	08 15 02.3	+0.6
P46A	Rosedale	135.24	39	P	PKPdf	08 15 02.0	+0.4
U44A	Portageville	135.32	44	P	PKPdf	08 15 01.9	+0.1
GNAR	Marvell	135.45	47	ePKPdf	PKPpre	08 15 03.7	+1.8
X43A	Marvell	135.45	47	ePKPdf	PKPpre	08 15 02.4	+0.3
S45A	Carrier Mills	135.45	42	P	PKPdf	08 15 02.4	+0.3
Q46A	CEJHS Indians,	135.49	40	P	PKPdf	08 15 02.2	+0.1
O47A	Sheridan	135.51	38	P	PKPdf	08 15 02.0	-0.1
V44A	Blysville	135.51	45	P	PKPdf	08 15 02.5	+0.3
U44B	Burton Farm, H	135.64	44	P	PKPdf	08 15 02.7	+0.3
AAM	Ann Arbor	135.64	34	ePKPpre	PKPpre	08 15 02.1	-0.1
AAM	Ann Arbor	135.64	34	ePKPpre	PKPpre	08 15 02.1	-0.1
Y43A	Makayla and Ka	135.69	48	P	PKPdf	08 15 02.9	+0.4
GLAT	Glass	135.72	44	ePKPpre	PKPpre	08 15 04.5	+2.0
Z43A	Armstrong Fami	135.76	49	P	PKPdf	08 15 03.2	+0.4
HALT	Halls	135.86	45	ePKPpre	PKPpre	08 15 04.3	+1.4
143A	Socs Landing,	135.87	50	P	PKPdf	08 15 03.5	+0.6
US1A	University of	135.90	41	ePKPpre	PKPpre	08 15 03.1	+0.3
P47A	Martinsville	135.90	39	P	PKPdf	08 15 03.5	+0.7
W44A	Shelby Farms P	135.91	46	P	PKPdf	08 15 03.6	+0.6
BLO	Bloomington	135.93	39	ePKPpre	PKPpre	08 15 04.6	+1.7
BLO	Bloomington	135.93	39	ePKPpre	PKPpre	08 15 04.6	+1.7
X44A	Crenshaw	135.98	47	P	PKPdf	08 15 03.6	+0.5
U45A	Rockin P Farm,	136.04	44	P	PKPdf	08 15 03.9	+0.7
Q47A	Bedord North L	136.13	39	P	PKPdf	08 15 03.9	+0.7
SADO	Sadowa	136.16	28	ePKPpre	PKPpre	08 14 52.2	0.0
SADO	Sadowa	136.16	28	ePKPpre	PKPpre	08 15 04.8	+0.7
Y44A	Strider, Charl	136.19	48	P	PKPdf	08 15 03.9	+0.3
V45A	Humboldt	136.22	45	P	PKPdf	08 15 03.6	+0.1
343A	Viadilla	136.30	52	P	PKPdf	08 15 04.3	+0.6
Z44A	Pea Ridge, Bel	136.34	49	P	PKPdf	08 15 04.3	+0.5
W45A	Hickory Valley	136.35	46	P	PKPdf	08 15 03.8	0.0
OXF	Oxford	136.51	47	ePKHkp	PKPpre	08 14 55.1	
OXF	Oxford	136.51	47	ePKHkp	PKPpre	08 15 05.8	
OXF	Oxford	136.51	47	ePKHkp	PKPpre	08 15 05.1	
OXF	Oxford	136.51	47	ePKHkp	PKPpre	08 15 05.2	+1.0
WCI	Wyandotte Cave	136.63	40	ePKPpre	PKPpre	08 15 06.3	+2.1
WCI	Wyandotte Cave	1					

Table with columns: FDF, Fort de France, 168.67, 50, ePKIKP, PKPdf, 08 15 50.9 +1.5, etc.

IDC 15 07:57:35.2, 0.53, 82N, 164.82W, h0km, mb3.5/3, mb1 3.7/5, mb1mx3.4/83, mbtmp3.5/5, ML3.2, MS4.2/2, Ms1 4.2/2, ms1mx2.9/35, Error ellipse: s-maj=42.1km s-min=25.7km az=165.0

NEIC 15 07:57:39.9, 0.0, 53, 82N, 164.88W, h69km, ML3.3(AEIC), After AEIC.

ISC 15 07:57:38.4, 1.6, 53, 80N, 0.08, 164.65W, 0.04, h30km, 12km, n42, r1360/43, Unimak Island region

Main table for 15d 8h section, listing station names, codes, and coordinates for various locations like AKSA, AKUT, WESE, etc.

Main table for 201 NOV section, listing station names, codes, and coordinates for various locations like MCHZ, KWHZ, TUZU, etc.

Main table for 802 section, listing station names, codes, and coordinates for various locations like SJA, LCO, AGUA, etc.

NEIC 15 08:01:40.8, 0.0, 36, 81S, 177.02E, h172km, MG4.0(WEL), After WEL.

WEL 15 08:01:41.0, 0.5, 36, 86S, 177.04E, h173km, 5km, ML3.9/24, 5C-2D, Error ellipse: s-maj=5.4km s-min=5.2km az=90.0, Off east coast of North Island

Main table for 15d 8h section, listing station names, codes, and coordinates for various locations like HAZ, RUGZ, MXZ, etc.

WEL 15 08:18:02.2, 0.3, 36, 71S, 177.44E, h157km, 2km, ML3.6/15, 2C-2D, Error ellipse: s-maj=3.3km s-min=2.7km az=0.0, Off east coast of North Island

Main table for 201 NOV section, listing station names, codes, and coordinates for various locations like HAZ, MXZ, RUGZ, etc.

ISCN 15 08:40:39.2, 0.8, 38, 85N, 43.07E, h0km, ML3.8

AZER 15 08:40:42.2, 3.3, 38, 22N, 43.09E, h8km, Error ellipse: s-maj=30.8km s-min=12.2km az=87.0

DDA 15 08:40:43.4, 38, 73N, 43.07E, 7km, ML3.9

ISCJB 15 08:40:43.9, 0.4, 38, 73N, 0.02, 43.06E, 0.02, h2km, 4km, Error ellipse: s-maj=2.8km s-min=2.7km az=158.1

CSEM 15 08:40:43.8, 0.1, 38, 72N, 43.04E, h2km, ML3.9, Error ellipse: s-maj=3.8km s-min=3.4km az=157.0

ISK 15 08:40:43.2, 38, 73N, 43.06E, h5km, ML3.7

NSSC 15 08:40:44.3, 0.6, 39, 28N, 41.86E, h147km, 16km, ML3.4

TEH 15 08:40:47.4, 38, 66N, 43.26E, h10km, ML3.2

ISC 15 08:40:43.8, 0.1, 38, 73N, 0.02, 43.07E, 0.01, h9km, 8km, n96, r127/141, 8C-8D, Turkey

Main table for 802 section, listing station names, codes, and coordinates for various locations like VANB, ADGV, BITLIS, etc.

Table with columns: KBSD, comp=Z,660nm,0.4s, AML, AML, 08 42 09.8, AKH Akhalkakali, 2.70 7 ePn, Pn, 08 41 28.7 +1.1, etc.

SOME 15 08:49:49.0, 43.90N, 82.73E, h0km, NNC 15 08:49:54.5, 3.2, 44.52N, 82.38E, h0km, mb2.7, mpv2.3, Error ellipse: s-maj=45.2km s-min=12.8km az=117.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, DJR Jarkent, 2.44 272 eP, Pn, 08 50 29.9 +2.2, etc.

MEX 15 08:54:59.0, 0.4, 27.67N, 111.60W, h6km, 5km, MD3.5, Gulf of California

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, SRIG Santa Rosalia, 0.67 239 eP, Pn, 08 55 10.9 +1.1, etc.

ISK 15 09:00:24.1, 38.74N, 43.58E, h5km, ML3.1, DDA 15 09:00:25.0, 38.61N, 43.25E, h10km, ML3.1

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, VANB Van, 0.17 205 eP, Pn, 09 00 30.5 +0.2, etc.

ATH 15 09:13:21.5, 35.21N, 27.24E, h15km, ML2.8, Error ellipse: s-maj=7.8km s-min=3.3km az=156.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, KARP Karpathos, 0.25 359 eP, Pn, 09 13 29.0 +0.4, etc.

ISCJ 15 09:13:21.9, 1.3, 35.22N, 27.24E, h15km, ML2.8, Error ellipse: s-maj=15.3km s-min=5.5km az=154.5

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, KARP Karpathos, 0.25 359 eP, Pn, 09 13 29.0 +0.4, etc.

ISC 15 09:13:22.4, 35.22N, 27.19E, h4km, 1km, ML3.0/5, Error ellipse: s-maj=2.5km s-min=0.8km az=325.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, KARP Karpathos, 0.25 359 eP, Pn, 09 13 29.0 +0.4, etc.

ISC 15 09:13:22.9, 1.3, 35.20N, 27.17E, h0.04, h25km, 8km, n42, e1927/67, Dodecanese Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, KARP Karpathos, 0.25 359 eP, Pn, 09 13 29.0 +0.4, etc.

ISC 15 09:13:22.9, 1.3, 35.20N, 27.17E, h0.04, h25km, 8km, n42, e1927/67, Dodecanese Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, KARP Karpathos, 0.25 359 eP, Pn, 09 13 29.0 +0.4, etc.

ISC 15 09:13:22.9, 1.3, 35.20N, 27.17E, h0.04, h25km, 8km, n42, e1927/67, Dodecanese Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, KARP Karpathos, 0.25 359 eP, Pn, 09 13 29.0 +0.4, etc.

ISC 15 09:13:22.9, 1.3, 35.20N, 27.17E, h0.04, h25km, 8km, n42, e1927/67, Dodecanese Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, KARP Karpathos, 0.25 359 eP, Pn, 09 13 29.0 +0.4, etc.

ISC 15 09:13:22.9, 1.3, 35.20N, 27.17E, h0.04, h25km, 8km, n42, e1927/67, Dodecanese Islands

Table with columns: S, Sg, 09 01 15.1 -0.4, VRTB Varto-Mus, 1.63 285 ePn, Pn, 09 00 56.5 -0.9, etc.

DDA 15 09:12:49.8, 38.77N, 43.22E, h7km, Md2.7, ISK 15 09:12:49.2, 38.76N, 43.17E, h5km, MD3.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, VANB Van, 0.23 139 eP, Pn, 09 12 55.7 +0.1, etc.

ISC 15 09:12:50.3, 0.4, 38.77N, 43.22E, h7km, Md2.7, Error ellipse: s-maj=5.5km s-min=3.9km az=176.7

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, VANB Van, 0.23 139 eP, Pn, 09 12 55.7 +0.1, etc.

ISC 15 09:12:50.3, 0.4, 38.77N, 43.22E, h7km, Md2.7, Error ellipse: s-maj=5.5km s-min=3.9km az=176.7

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, VANB Van, 0.23 139 eP, Pn, 09 12 55.7 +0.1, etc.

ISC 15 09:12:50.3, 0.4, 38.77N, 43.22E, h7km, Md2.7, Error ellipse: s-maj=5.5km s-min=3.9km az=176.7

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, VANB Van, 0.23 139 eP, Pn, 09 12 55.7 +0.1, etc.

ISC 15 09:12:50.3, 0.4, 38.77N, 43.22E, h7km, Md2.7, Error ellipse: s-maj=5.5km s-min=3.9km az=176.7

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, VANB Van, 0.23 139 eP, Pn, 09 12 55.7 +0.1, etc.

ISC 15 09:12:50.3, 0.4, 38.77N, 43.22E, h7km, Md2.7, Error ellipse: s-maj=5.5km s-min=3.9km az=176.7

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, VANB Van, 0.23 139 eP, Pn, 09 12 55.7 +0.1, etc.

ISC 15 09:12:50.3, 0.4, 38.77N, 43.22E, h7km, Md2.7, Error ellipse: s-maj=5.5km s-min=3.9km az=176.7

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, VANB Van, 0.23 139 eP, Pn, 09 12 55.7 +0.1, etc.

ISC 15 09:12:50.3, 0.4, 38.77N, 43.22E, h7km, Md2.7, Error ellipse: s-maj=5.5km s-min=3.9km az=176.7

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, VANB Van, 0.23 139 eP, Pn, 09 12 55.7 +0.1, etc.

ISC 15 09:12:50.3, 0.4, 38.77N, 43.22E, h7km, Md2.7, Error ellipse: s-maj=5.5km s-min=3.9km az=176.7

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, VANB Van, 0.23 139 eP, Pn, 09 12 55.7 +0.1, etc.

ISC 15 09:12:50.3, 0.4, 38.77N, 43.22E, h7km, Md2.7, Error ellipse: s-maj=5.5km s-min=3.9km az=176.7

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, VANB Van, 0.23 139 eP, Pn, 09 12 55.7 +0.1, etc.

ISC 15 09:12:50.3, 0.4, 38.77N, 43.22E, h7km, Md2.7, Error ellipse: s-maj=5.5km s-min=3.9km az=176.7

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, VANB Van, 0.23 139 eP, Pn, 09 12 55.7 +0.1, etc.

ISC 15 09:12:50.3, 0.4, 38.77N, 43.22E, h7km, Md2.7, Error ellipse: s-maj=5.5km s-min=3.9km az=176.7

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, VANB Van, 0.23 139 eP, Pn, 09 12 55.7 +0.1, etc.

ISC 15 09:12:50.3, 0.4, 38.77N, 43.22E, h7km, Md2.7, Error ellipse: s-maj=5.5km s-min=3.9km az=176.7

Table with columns: NPS, comp=N, 1445um, 0.5s, AML, AML, 09 14 06.0, NPS Neapolis, 1.27 269 P, Pn, 09 13 45.8 -0.5, etc.

IDC 15 09:31:45.2, 1.1, 42.98N, 103.63W, h0km, mb1.3, 6/3, mb1mx3.3/4, mbtmp3.3, ML3.4/3, Error ellipse: s-maj=15.7km s-min=8.5km az=147.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, RSDS Black Hills, 1.08 340 P, Pn, 09 32 07.2 -1.1, etc.

ISCJBA 15 09:31:46.3, 0.9, 43.06N, 102.103.56W, 0.02, h20km, 10km, Error ellipse: s-maj=3.6km s-min=2.7km az=176.9

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, RSDS Black Hills, 1.08 340 eP, Pn, 09 32 07.2 -1.1, etc.

NEIC 15 09:31:46.1, 0.2, 43.05N, 103.50W, h5km, MN3.3, Error ellipse: s-maj=3.6km s-min=2.8km az=35.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, RSDS Black Hills, 1.08 340 eP, Pn, 09 32 07.2 -1.1, etc.

NEIC Felt at Hot Springs and Spearfish. Felt [IV] at Crawford, Nebraska. Also felt at Bridgport and Chadron.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, RSDS Black Hills, 1.08 340 eP, Pn, 09 32 07.2 -1.1, etc.

ISC 15 09:31:47.3, 1.3, 43.11N, 104.103.53W, 0.04, h17km, 10km, n116, e1935/139, South Dakota

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, RSDS Black Hills, 1.08 340 eP, Pn, 09 32 07.2 -1.1, etc.

ISC 15 09:31:47.3, 1.3, 43.11N, 104.103.53W, 0.04, h17km, 10km, n116, e1935/139, South Dakota

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, RSDS Black Hills, 1.08 340 eP, Pn, 09 32 07.2 -1.1, etc.

ISC 15 09:31:47.3, 1.3, 43.11N, 104.103.53W, 0.04, h17km, 10km, n116, e1935/139, South Dakota

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, RSDS Black Hills, 1.08 340 eP, Pn, 09 32 07.2 -1.1, etc.

ISC 15 09:31:47.3, 1.3, 43.11N, 104.103.53W, 0.04, h17km, 10km, n116, e1935/139, South Dakota

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, RSDS Black Hills, 1.08 340 eP, Pn, 09 32 07.2 -1.1, etc.

ISC 15 09:31:47.3, 1.3, 43.11N, 104.103.53W, 0.04, h17km, 10km, n116, e1935/139, South Dakota

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, RSDS Black Hills, 1.08 340 eP, Pn, 09 32 07.2 -1.1, etc.

ISC 15 09:31:47.3, 1.3, 43.11N, 104.103.53W, 0.04, h17km, 10km, n116, e1935/139, South Dakota

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, RSDS Black Hills, 1.08 340 eP, Pn, 09 32 07.2 -1.1, etc.

ISC 15 09:31:47.3, 1.3, 43.11N, 104.103.53W, 0.04, h17km, 10km, n116, e1935/139, South Dakota

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, Time, Res, RSDS Black Hills, 1.08 340 eP, Pn, 09 32 07.2 -1.1, etc.

ISC 15 09:31:47.3, 1.3, 43.11N, 104.103.53W, 0.04, h17km, 10km, n116, e1935/139, South Dakota

15d 10h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Indian Meadow, Old Faithful, Madcock, etc.

15d 10h:59:36.0, 8, 28, 28S, 67.50W, h138km, 6km, ML3.0, MW3.7, La Rioja Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Charters Tower, Alice Springs, Warramunga Arr, etc.

SJA 15 10:09:36.0, 8, 28, 28S, 67.50W, h138km, 6km, ML3.0, MW3.7, La Rioja Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Vinchina, CERRO LA CRUZ, PUNTA DE LOS L, etc.

15d 10:02:20.9, 2.3, 125S, 126.94E, h0km, mb3.3/2, mb1.3/5, mb1mx3.0/2, mbmp3.3/3, ML3.4/1, Error ellipse: s-maj=231.9km s-min=25.4km az=66.0, Southern Molucca Sea

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

2011 NOV

BUJ 15 10:18:31.5, 10.54N, 93.43E, h109km, mb4.8/33, mB4.8/21, ISCJB 15 10:18:38.2, 0.3, 11.07N, 0.04, 93.62E, 0.0, h23km, mb4.6/39, Error ellipse: s-maj=5.8km s-min=4.1km az=34.5

NEIC 15 10:18:41.3, 0.5, 11.14N, 93.65E, h143km, 6km, mb4.7/15, Error ellipse: s-maj=6.4km s-min=3.9km az=67.0, IDC 15 10:18:41.5, 2.0, 11.12N, 93.68E, h145km, 18km, mb4.0/20, mb1.4/22, mb1mx4.0/39, mbmp4.4/22, MS3.1/1, Ms1.3.1/1, ms1mx2.6/42, Error ellipse: s-maj=18.9km s-min=9.7km az=49.0

ISC 15 10:18:39.1, 0.4, 11.10N, 0.05, 93.44E, 0.05, h123km, n116, az=29/135, mb4.6/39, 2, Andaman Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Port Blair, DIGLIPUR, Loh Sumawe, etc.

SCB 15 10:20:06.9, 0.6, 24.37S, 64.44W, h45km, M15.1/1, Error ellipse: s-maj=14.7km s-min=7.0km az=7.0, ISCJB 15 10:20:08.9, 0.2, 23.97S, 0.03, 63.95W, 0.04, h10km, mb5.1/185, MS4.1/5, Error ellipse: s-maj=5.5km s-min=3.9km az=149.6

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

SJA 15 10:20:06.9, 0.6, 24.37S, 64.44W, h45km, M15.1/1, Error ellipse: s-maj=14.7km s-min=7.0km az=7.0, ISCJB 15 10:20:08.9, 0.2, 23.97S, 0.03, 63.95W, 0.04, h10km, mb5.1/185, MS4.1/5, Error ellipse: s-maj=5.5km s-min=3.9km az=149.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Lanzhou, Xian, Diego Garcia H, etc.

ISC 15 10:20:10.1, 0.3, 24.23S, 0.03, 64.22W, 0.05, h10km, n699, az=1926/709, mb5.2/185, MS4.5/5, 2C, Salta Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Zapla, San Lorenzo, Humahuaca, etc.

WMO comp=E, 110nm, 15.5s LR LR

WMO comp=E, 46nm, 14.3s LR LR

HHC Hu-ho-hao-te 33.66 25 eP Pmax 10 25 11.3 +3.0

HHC comp=E, 23nm, 0.7s pmax pmax

UCH UNCR 35.15 335 P P 10 25 23.1 +1.7

TKM2 Tokmak 2 35.30 337 P P 10 25 24.0 +1.5

KBK Ala-Areha 35.33 336 P P 10 25 25.3 +2.6

AML Almayashu 35.41 334 P P 10 25 25.7 +2.0

AAK Ala-Areha 35.50 336 eP P 10 25 26.0 +1.9

EKS2 Erkin-Say 35.81 335 P P 10 25 28.9 +2.2

USP Oshpenovka 36.78 337 P P 10 25 30.1 +1.6

MK01 Makanchi Array 36.82 347 eP P 10 25 35.4 +0.5

MK31 Makanchi Array 36.81 347 eP P 10 25 35.7 +0.6

MK32 Makanchi Array 36.81 347 eP P 10 25 35.7 +0.6

MK32 Makanchi Array 36.81 347 eP P 10 25 35.7 +0.6

MKAR Makanchi Array 36.81 347 eP P 10 25 35.7 +0.6

MKAR comp=E, 9.0nm, 0.7s, baz=165, slow=8.1, SNR=44 P P 10 27 53.5 -1.1

MKAR comp=E, 0.8nm, 0.5s, baz=132, slow=4.1, SNR=3.5 P P 10 25 35.8 +0.7

MAK2 Makanchi 36.89 347 eP P 10 25 36.5 +0.7

KKAR Karatay Array 37.60 332 eP P 10 25 43.0 +1.2

SONA2 comp=E, 5.2nm, 1.0s 38.20 14 eP P 10 25 46.8 -0.1

SONM comp=E, 1.9nm, 0.7s, baz=199, slow=8.6, SNR=8.0 P P 10 25 46.8 -0.1

SONM comp=E, 0.9nm, 0.6s, baz=180, slow=4.3, SNR=4.3 P P 10 25 46.8 -0.1

KS15 Wouju Array Si 40.53 44 P P 10 26 04.8 -1.4

KSRS Korea Array 40.56 44 P P 10 26 05.1 -1.3

KURS comp=E, 2.9nm, 0.6s, baz=239, slow=8.6, SNR=15 P P 10 26 13.3 +0.8

KURS comp=E, 7.4nm, 0.9s 41.33 346 P P 10 26 13.3 +0.8

GEYT Alibek 41.38 316 P P 10 26 16.4 +3.1

FITZ Filtroz Crossi 43.04 132 P P 10 26 25.9 -0.9

ZAAO Zalesovo Array 43.29 353 eP P 10 26 28.7 +0.3

ZALV Zalesovo Beam 43.29 353 eP P 10 26 29.2 +0.8

ZALV Zalesovo Beam 43.29 353 eP P 10 26 29.2 +0.8

ZAA1 Zalesovo Array 43.29 353 eP P 10 26 29.2 +0.8

BRVK Borovoye 45.80 341 eP P 10 26 48.7 +0.4

ABKAR comp=E, 11nm, 0.4s 47.09 330 eP P 10 26 60.0 +1.4

MJAR Matushiro Arr 47.57 50 P P 10 27 01.0 -1.5

WRA Warramunga Arr 50.72 127 P P 10 27 25.6 -1.1

WR1 Warramunga Arr 50.72 127 eP P 10 27 25.6 -1.1

WB2 Warramunga Arr 50.73 127 eP P 10 27 25.4 -1.3

AS31 Alice Springs 52.53 311 eP P 10 27 39.6 -0.5

ASAR Alice Springs 52.53 311 P P 10 27 38.8 -1.3

ASAR comp=E, 2.0nm, 0.4s, baz=308, slow=7.2, SNR=84 ScP ScP 10 32 31.6 -3.3

KBZ comp=E, 0.5nm, 0.8s, baz=314, slow=8.3, SNR=5.0 P P 10 27 53.9 -1.5

BR101 Keskin Array S 59.83 310 eP P 10 28 32.4 +0.5

BR131 Keskin Array S 59.83 310 eP P 10 28 32.4 +0.5

STKA Stephens Creek 62.83 135 P P 10 28 51.4 -0.6

STKA Stephens Creek 62.83 135 eP P 10 28 51.1 -0.9

CPUP	comp=Z,3.9nm,0.3s,baz=289,slow=12,SNR=62	Lg	Lg	10 23 44.5
CPUP	comp=Z,3.1nm,0.3s,baz=353,slow=18,SNR=5.1	LR	LR	10 24 46.2
CPUP	comp=Z,2.2um,18.9s,baz=292,slow=42	LR	LR	10 21 48.0
CPUB	Villa Florida	6.98 110	ePn	10 21 48.0 +1.1
PB11	IPOC Station P	6.72 310	ePn	10 21 50.5 +1.9
MNMC	Minye Minye	7.12 314	ePn	10 21 56.5 +1.9
MNMC			eSn	10 23 19.1 +3.4
LCO	Las Campanas	7.50 229	ePn	10 22 00.7 +0.8
BBOJ	La Paz, Jacacu	8.11 332	ePn	10 22 09.3 +0.8
BBOE	La Paz, Chanca	8.17 334	ePn	10 22 10.4 +1.1
BBOD	La Paz, Gloria	8.59 331	ePn	10 22 16.3 +1.3
LPAZ	La Paz	8.71 334	ePn	10 22 17.8 +1.1
LPAZ	comp=Z,2.2nm,0.3s,baz=139,slow=12,SNR=37	Sn	Sn	10 23 54.5 -0.8
LPAZ	comp=Z,1.5nm,0.3s,baz=142,slow=2.8,SNR=4.0	LR	LR	10 26 11.5
LPAZ	comp=Z,7.07nm,20.2s,baz=188,slow=42	LR	LR	10 22 17.3 +0.6
LPAZ	La Paz	8.71 334	ePn	10 22 16.1 -0.6
LPAZ	La Paz	8.71 334	ePn	10 23 57.3 +2.1
SIV	San Ignacio	8.71 20	Pn	10 22 16.6 +0.3
SIV	comp=Z,6.0nm,0.3s,baz=217,slow=14,SNR=11.0	Sn	Sn	10 23 51.5 -3.0
SIV	comp=Z,2.1nm,0.3s,baz=211,slow=17,SNR=2.0	Lg	Lg	10 24 54.5
SIV	comp=Z,3.0nm,0.3s,baz=288,slow=6.4,SNR=2.4	Lg	Lg	10 26 28.0
SIV	comp=Z,4.54nm,20.6s,baz=213,slow=44	LR	LR	10 22 16.1 -0.1
SIV	San Ignacio	8.71 20	ePn	10 22 18.3 -0.1
BBOB	La Paz, Bander	8.84 335	ePn	10 22 43.8 +2.1
ROCI	El Roble	10.56 213	ePn	10 23 27.0 +4.4
TRQA	Tornquist	15.92 173	ePn	10 23 27.0 +4.4
SAML	Samuel	13.22 4	ePn	10 23 41.6 -3.6
NNA	Nana	17.07 313	P	10 24 10.7 -0.1
NNA	comp=Z,0.8nm,0.3s,baz=154,slow=12,SNR=8.2	ePn	P	10 24 08.2 -2.7
NNA	comp=Z,4.5nm,1.0s	P	P	10 24 12.9 -0.3
PLCA	Paso Flores	17.00 196	P	10 29 30.9
PLCA	comp=Z,0.1nm,0.3s,baz=23,slow=15,SNR=5.8	Lg	Lg	10 31 31.0
PLCA	comp=Z,0.1nm,0.3s,baz=346,slow=15,SNR=2.4	LR	LR	10 24 13.9 +0.7
PLCA	comp=Z,5.32nm,20.6s,baz=356,slow=39	LR	LR	10 24 14.8 -0.4
PLCA	Paso Flores	17.00 196	ePn	10 29 28.5
BDFB	Brasilia	17.46 64	P	10 31 41.0
BDFB	comp=Z,0.2nm,0.3s,baz=306,slow=9.0,SNR=2.7	Lg	Lg	10 25 02.8 +0.3
BDFB	comp=Z,0.4nm,0.3s,baz=299,slow=10,SNR=1.7	LR	LR	10 25 22.9 +0.5
BDFB	comp=Z,8.68nm,19.0s,baz=31,slow=40	LR	LR	10 25 22.6 +0.2
ATAH	Atahualpa	21.76 319	P	10 25 26.8 +2.6
ATAH	comp=Z,1.7nm,0.9s,baz=159,slow=6.9,SNR=18	P	P	10 26 01.5 +0.1
PTGA	Pitinga	23.72 11	ePn	10 26 01.9 +0.5
PTGA	comp=Z,10.0nm,0.9s,baz=190,slow=11,SNR=20	ePn	P	10 26 19.9 +0.5
PTGA	Pitinga	23.72 11	ePn	10 26 28.6 -1.3
CHRN	Cochrane	23.93 194	eP	10 26 29.0 -0.8
CHRN	comp=Z,1.1nm,0.9s	P	P	10 26 28.6 -2.7
OTAV	Otavallo	27.96 328	eP	10 26 31.9 -3.8
OTAV	Otavallo	27.96 328	eP	10 26 34.7 -4.0
OTAV	comp=Z,8.4nm,1.0s	P	P	10 26 35.7 -3.0
POPC	Popayan, Colom	29.23 344	eP	10 26 38.5 -2.7
WILC	Wilvencio,	29.64 341	eP	10 26 42.8 -4.4
CHIC	Chingaza	30.14 341	eP	10 26 49.4 -0.6
YOPC	Yopal, Colombi	30.47 344	eP	10 26 56.5 -3.3
ROSC	El Rosal	30.52 340	LR	10 28 19.7 +0.1
CTAB	Comp=Z,2.47nm,19.7s,baz=200,slow=38	P	P	10 28 53.9 -0.5
USHA	Cerro Tablazo,	30.64 340	eP	10 29 50.9 +1.5
USHA	Ushuaia	30.73 185	P	10 29 52.7 +2.2
USHA	comp=Z,7.1nm,0.9s,baz=11,slow=5.2,SNR=3.1	P	P	10 29 54.5 +1.3
RUSC	La Rusia	31.16 343	eP	10 30 05.9 +1.1
RUSC	La Rusia	31.16 343	eP	10 30 05.8 +0.8
RUSC	comp=Z,8.8nm,1.2s	P	P	10 30 14.0 -0.2
NORC	Norcasia	31.37 339	eP	10 30 16.9 +1.2
BARC	Barichara	31.85 343	eP	10 30 15.2 -0.2
HELK	Santa Helena	32.18 339	eP	10 30 16.9 -0.1
HELK	Santa Helena	32.18 339	eP	10 30 17.8 +0.2
PAMC	Pamplona, Colo	32.44 344	eP	10 30 17.9 -0.1
ZARC	Zaragoza, Cauc	33.19 340	eP	10 30 18.7 -0.5
SDV	Santo Domingo	33.50 348	eP	10 30 18.7 +0.2
MOTC	Monte Cord	34.65 340	eP	10 30 18.9 -0.4
TGUH	Tegucigalpa,Un	44.21 327	eP	10 30 19.7 +0.2
CCIG	Comitan	48.62 323	eP	10 30 20.1 -0.2
CCIG	comp=Z,7.7nm,0.7s	P	P	10 30 21.5 +0.5
VNA3	Neumayer Olymp	56.13 161	P	10 30 20.6 -0.5
VNA1	Neumayer-Stat	56.29 161	P	10 30 23.8 +0.7
VNA2	Neumayer-Watz	56.69 161	P	10 30 22.8 -0.2
VNA2	comp=Z,290,slow=9.1	P	P	10 30 22.5 -0.8
SNA4	Sanae	58.30 161	P	10 30 23.2 -0.9
SNA4	Sanae	58.30 161	eP	10 30 26.0 +0.6
LNIG	Linares	59.58 323	eP	10 30 24.5 -0.7
ZAIG	comp=Z,3.0nm,1.5s	P	P	10 30 26.3 +1.1
ZAIG	Zacatecas	59.74 318	eP	10 30 25.5 -0.3
348A	Jackson	59.78 337	P	10 30 27.0 +1.1
347A	Saraland	60.01 336	P	10 30 26.2 -0.2
445A	Amite	60.10 334	P	10 30 25.7 -0.9
GOGA	Godfrey	60.17 341	eP	10 30 26.1 -0.7
GOGA	comp=Z,1.2nm,1.0s	P	P	10 30 27.4 +0.5
248A	Dixon Mills	60.34 337	P	10 30 27.1 +0.1
346A	Big Creek Wild	60.35 335	P	10 30 27.4 +0.4
JSC	Jenkinsville	60.39 344	eP	10 30 27.7 -0.1
345A	Thompson Farm,	60.49 335	P	10 30 28.6 +0.4
HODGE	Hodges	60.61 343	eP	10 30 28.7 -0.2
247A	Quitman	60.62 336	P	10 30 28.9 +0.7
034A	Hebronville	60.88 325	P	10 30 23.8 +0.7
344A	Westbrook Farm	60.90 334	P	10 30 22.8 -0.2
LRLA	Lakeview Retre	60.94 338	eP	10 30 22.5 -0.8
147A	Livingston	61.06 337	P	10 30 23.2 -0.9
934A	Benavides	61.23 325	P	10 30 26.0 +0.6
KMSC	Kings Mountain	61.23 344	P	10 30 24.5 -0.7
KMSC	Kings Mountain	61.23 344	eP	10 30 26.3 +1.1
146A	Union	61.31 336	P	10 30 25.5 -0.3
441A	DeRidder	61.31 332	P	10 30 27.0 +1.1
244A	Avery, Jackson	61.40 334	P	10 30 27.0 +1.1
248A	Northport	61.44 338	P	10 30 26.2 -0.2
247A	Carrollton	61.46 337	P	10 30 25.7 -0.9
342A	Flagon Creek P	61.48 333	P	10 30 26.1 -0.7
VBMS	Vicksburg	61.49 335	P	10 30 27.4 +0.5
VBMS	Vicksburg	61.49 335	eP	10 30 27.1 +0.1
BG3	Lake Jocassee	61.51 343	eP	10 30 27.1 +0.1
145A	Houston Renfro	61.61 335	P	10 30 27.4 +0.4
933A	Laredo	61.63 325	P	10 30 27.7 -0.1
246A	Louisville	61.77 337	P	10 30 28.6 +0.4
341A	Kurthwood	61.80 332	P	10 30 28.7 -0.2
144A	Alexander Plac	61.82 335	P	10 30 29.9 +0.7
HKT	Hockley	61.83 329	eP	10 30 29.2 -0.1
242A	Grayson	62.01 333	P	10 30 30.3 +1.0

Y47A	UCPARC, Winfie	62.02 338	P	P	10 30 30.0 -0.6
439A	Center Grove,	62.05 330	P	P	10 30 31.5 +0.7
340A	Bronson	62.19 331	P	P	10 30 32.4 +0.7
Z45A	Winona	62.20 336	P	P	10 30 31.4 -0.4
833A	Chaparral WMA,	62.27 325	P	P	10 30 32.6 +0.3
143A	Socs Landing,	62.27 324	P	P	10 30 32.0 -0.2
241A	Mo Toy, Goldon	62.29 333	P	P	10 30 33.3 +0.9
Y46A	Houston	62.36 337	P	P	10 30 31.5 -1.3
TKL	Tuckaleeches C	62.37 342	eP	P	10 30 32.6 -0.3
CPCT	Cooper Cave	62.39 341	eP	P	10 30 32.8 -0.2
Z44A	Pea Ridge, Bel	62.40 335	P	P	10 30 32.8 -0.3
339A	Huntington	62.41 331	P	P	10 30 32.7 +0.5
Y45A	Yeager Farm, C	62.59 336	P	P	10 30 34.0 -0.3
SWET	Sewanee	62.59 340	eP	P	10 30 34.2 -0.3
240A	Hunter Patters	62.67 332	P	P	10 30 35.4 +0.5
437A	Phantom Ranch,	62.71 329	P	P	10 30 35.7 +0.5
338A	Crockett	62.77 330	P	P	10 30 36.8 +1.1
141A	Papa Simpson,	62.79 333	P	P	10 30 36.0 +0.2
NATX	Nacogdoches	62.82 331	P	P	10 30 36.7 +0.7
NATX	Nacogdoches	62.82 331	eP	P	10 30 37.2 +1.2
Y44A	Strider, Charl	62.92 336	P	P	10 30 36.0 -0.6
239A	Gary	62.95 331	P	P	10 30 37.4 +0.6
Z42A	Norrel Spur, H	62.98 334	P	P	10 30 36.8 -0.3
337A	Center Grove,	63.00 330	P	P	10 30 37.1 0.0
X45A	UM Field Stati	63.04 337	P	P	10 30 36.4 -1.0
PLAL	Pickwick Lake	63.08 338	eP	P	10 30 36.9 -0.8
140A	Carn and Jess,	63.10 332	P	P	10 30 38.7 +0.8
OXF	Oxford	63.12 337	eP	P	10 30 37.5 -0.4
Y43A	Maklaya and Ka	63.15 335	P	P	10 30 37.7 -0.4
238A	Jacksonville	63.23 331	P	P	10 30 39.6 +0.9
435B	Jarrell	63.35 328	P	P	10 30 39.9 +0.3
X44A	Crenshaw	63.38 336	P	P	10 30 38.6 -1.0
Y42A	Garnett, Star	63.41 334	P	P	10 30 39.8 -0.1
336A	Riesel	63.50 329	P	P	10 30 41.0 +0.4
237A	Washetta, Mont	63.54 330	P	P	10 30 41.6 +0.8
Z40A	Long Farm, Mag	63.56 333	P	P	10 30 41.6 +0.7
W45A	Hickory Valley	63.62 337	P	P	10 30 40.2 -1.0
X43A	Marvell	63.67 336	P	P	10 30 41.3 -0.2
138A	Mattatal Enter	63.77 331	P	P	10 30 43.4 +1.1
Y41A	Eaglette Beard	63.78 334	P	P	10 30 42.2 -0.1
WLAR	White Oak Lake	63.82 333	eP	P	10 30 43.0 +0.4
236A	Katherine and	63.87 330	P	P	10 30 43.3 +0.4
Z39A	Irwin McRaven,	63.88 332	P	P	10 30 43.5 +0.6
X42A	Stuttgart	63.98 335	P	P	10 30 43.3 -0.3
137A	Heron Place, G	64.02 331	P	P	10 30 44.8 +0.9
WVT	Waverly	64.04 339	eP	P	10 30 42.9 -1.0
V45A	Humboldt	64.07 338	P	P	10 30 43.0 -1.2
Y40A	Okolona	64.17 333	P	P	10 30 44.8 0.0
JCT	Junction City	64.21 326	P	P	10 30 45.3 0.0
JCT	Junction City	64.21 326	eP	P	10 30 45.6 +0.4
Z38A	Mt. Pleasant	64.24 332	P	P	10 30 45.5 +0.2
136A	Ennis	64.27 330	P	P	10 30 45.9 +0.4
X41A	Kaden, Bauxite	64.28 334	P	P	10 30 45.1 -0.5
WHTX	Lake Whitney,	64.29 329	P	P	10 30 45.9 +0.1
WHTX	Lake Whitney,	64.29 329	eP	P	10 30 46.0 +0.3
X40A	Basin Creek Fa	64.40 334	P	P	10 30 46.0 -0.3
Y39A	Locksburg	64.44 333	P	P	10 30 46.9 +0.2
Z37A	Pogue Cattle C	64.47 331	P	P	10 30 47.3 +0.5
V44A	Blytheville	64.48 337	P	P	10 30 46.5 -0.3
U45A	Rockin P Farm,	64.55 338	P	P	10 30 46.5 -0.8
GLAT	Glenn	64.66 338	eP	P	10 30 47.0 -1.0
Y38A	Idabel	64.70 332	P	P	10 30 48.2 -0.1
HPIG	comp=Z,6.9nm,0.8s	64.71 319	eP	P	10 30 48.9 0.0
U44B	Burton Farm, H	64.74 338	P	P	10 30 48.1 -0.5
MIAR	Mount Ida	64.75 333	P	P	10 30 48.2 -0.4
MIAR	Mount Ida	64.75 333	eP	P	10 30 48.1 -0.5
W41B	Gary Mavity, V	64.77 335	P	P	10 30 48.2 -0.5
Z36A	Blue Ridge	64.89 330	P	P	10 30 50.1 +0.5
X39A	Fountain Ranch	64.94 333	P	P	10 30 50.1 +0.2
U44A	Portageville	65.01 338	P	P	10 30 50.2 -0.1
W40A	Ferguson Farm,	65.11 334	P	P	10 30 51.2 +0.2
W40A	Ferguson Farm,	65.11 334	eP	P	10 30 51.1 +0.2
Y37A	Hugo	65.13 332	P	P	10 30 52.0 +0.9
U43A	Rector	65.14 337	P	P	10 30 50.9 -0.2
PARMO	Parma	65.17 338	eP	P	10 30 51.4 +0.1
V41A	Mountainview	65.27 335	P	P	10 30 51.2 -0.9
Y36A	Durant	65.35 331	P	P	10 30 52.8 +0.2
X38A	Whitesboro	65.38 333	P	P	10 30 53.2 +0.5
W39A	Washetta	65.40 334	P	P	10 30 53.2 +0.3
U42A	Reviden	65.43 336	P		



R39A	Chumby, Stover	67.83	336	P	P	10 31 08.0	-0.4
T36A	Boggs Farm, Ca	67.86	333	P	P	10 31 08.6	0.0
O44A	Mansfield	67.92	340	P	P	10 31 07.6	-1.2
T35A	Sooner Cattle	68.00	333	P	P	10 31 09.6	+0.1
P42A	Winchester	68.01	338	P	P	10 31 08.3	-1.1
S37A	Fort Scott	68.04	334	P	P	10 31 09.6	-0.1
R38A	Fenwick Farm	68.05	335	P	P	10 31 09.4	-0.3
Q40A	Laux Farm, Aux	68.08	337	P	P	10 31 09.1	-0.8
N46A	Monticello	68.08	342	P	P	10 31 08.7	-1.2
MNTX	Cornudas Mount	68.13	323	P	P	10 31 09.9	-0.5
MNTX	Cornudas Mount	68.13	323	eP	P	10 31 10.0	-0.5
BUF	Buffalo	68.16	348	eP	P	10 31 11.0	+0.7
N45A	Kentland	68.26	341	P	P	10 31 09.5	-1.5
O43A	Sugar Creek Fa	68.30	340	P	P	10 31 10.1	-1.2
S36A	Lake Cedric, C	68.31	334	P	P	10 31 11.4	0.0
P41A	Barry, Barry	68.33	338	P	P	10 31 10.1	-1.3
T34A	McClaskey Farm	68.38	332	P	P	10 31 11.9	+0.1
N44A	Piper City	68.40	341	P	P	10 31 10.4	-1.5
M46A	Old House Fiel	68.45	342	P	P	10 31 10.8	-1.3
Q39A	Willow Grove F	68.45	336	P	P	10 31 11.6	-0.6
O42A	Bath	68.47	339	P	P	10 31 11.3	-1.0
MSTX	Muleshoe	68.50	326	P	P	10 31 12.7	-0.2
MSTX	Muleshoe	68.50	326	eP	P	10 31 12.9	+0.1
R37A	Teagarden Farm	68.52	335	P	P	10 31 12.4	-0.3
HDIL	Hopedale	68.54	340	P	P	10 31 11.5	-1.2
P40A	Paris	68.54	337	P	P	10 31 12.1	-0.7
S35A	Otter Creek Ri	68.58	333	P	P	10 31 13.3	+0.2
Q38A	Cooks Store, C	68.61	336	P	P	10 31 13.0	-0.2
U32A	Winter Ranch,	68.64	330	P	P	10 31 13.7	+0.1
O41A	Passleys Farm,	68.66	338	P	P	10 31 12.3	-1.2
AMTX	Amarillo	68.68	328	P	P	10 31 13.7	-0.2
AMTX	Amarillo	68.68	328	eP	P	10 31 14.3	+0.3
P39B	Salisbury	68.76	337	P	P	10 31 13.4	-0.8
R36A	Gordon, Harris	68.79	334	P	P	10 31 14.0	-0.4
N43A	Stutzman Famil	68.85	340	P	P	10 31 13.8	-0.9
Q37A	Longview Farm,	68.86	335	P	P	10 31 14.3	-0.5
S34A	Willow Spring	68.92	333	P	P	10 31 15.1	-0.1
O40A	La Belle	69.01	338	P	P	10 31 14.7	-0.9
N42A	Vates City	69.03	339	P	P	10 31 14.7	-1.0
R35A	Emporia Munic	69.07	334	P	P	10 31 16.4	+0.2
P38A	Dawn	69.17	336	P	P	10 31 16.2	-0.5
N41A	Harden Midland	69.19	339	P	P	10 31 15.7	-1.0
M43A	Waltham Townsh	69.24	340	P	P	10 31 16.0	-1.0
Q36A	Arnold C. Orve	69.33	334	P	P	10 31 16.9	-0.8
O39A	Kirksville	69.36	337	P	P	10 31 17.3	-0.6
P37A	Lathrop	69.44	336	P	P	10 31 17.6	-0.8
Q35A	Mercer Eighty,	69.47	334	P	P	10 31 18.1	-0.4
R34A	Isabella, I	69.49	333	P	P	10 31 18.9	+0.2
O38A	Galt	69.58	336	P	P	10 31 18.5	-0.8
N40A	Mertquake, Sal	69.59	338	P	P	10 31 18.4	-0.9
M41A	Milan	69.68	339	P	P	10 31 18.8	-1.0
P36A	Good Intent, A	69.79	335	P	P	10 31 20.0	-0.5
L43A	Garden Prairie	69.86	341	P	P	10 31 20.0	-0.9
Q37A	Wolven Farm, M	69.87	336	P	P	10 31 20.4	-0.5
O34A	Chapman	69.89	333	P	P	10 31 21.1	0.0
N39A	Derby Farms, D	69.90	338	P	P	10 31 20.5	-0.7
KSU1	Kansas State U	69.90	334	P	P	10 31 20.8	-0.5
KSU1	Kansas State U	69.90	334	eP	P	10 31 21.4	+0.2
L42A	Oliver, Polo	69.97	340	P	P	10 31 20.7	-0.9
M40A	Post Highland	70.03	338	P	P	10 31 21.2	-0.8
P35A	Duane Minner,	70.03	334	P	P	10 31 21.5	-0.6
121A	Cookes Peak, D	70.09	322	P	P	10 31 24.2	+1.4
319A	Douglas	70.11	320	eP	P	10 31 24.2	+1.3
O36A	Bolkow	70.14	335	P	P	10 31 22.1	-0.7
K43A	Burlington	70.21	341	P	P	10 31 22.3	-0.8
KOWA	Kowa	70.25	63	eP	P	10 31 24.7	+0.8
L41A	Preston	70.30	340	P	P	10 31 22.8	-0.8
M39A	Webster	70.32	338	P	P	10 31 23.0	-0.7
P34A	Walnut Farm, R	70.37	334	P	P	10 31 24.3	+0.2
N37A	Lee Faris, Mou	70.41	336	P	P	10 31 23.9	-0.4
L40A	Anamosa	70.52	339	P	P	10 31 24.3	-0.6
K42A	Prairie Point,	70.58	341	P	P	10 31 24.9	-0.4
M38A	Pleasantview	70.62	337	P	P	10 31 24.8	-0.8
BNM	Barren Site	70.67	324	eP	P	10 31 27.1	+0.8
K41A	Shullsburg	70.72	340	P	P	10 31 25.6	-0.5
N36A	Muff Farm, Cla	70.74	336	P	P	10 31 26.1	-0.2
TRQ	Mont Tremblant	70.74	352	eP	P	10 31 26.3	+0.1
LPM	Los Pinos Mount	70.79	324	eP	P	10 31 28.7	+1.6
L39A	Vinton	70.84	338	P	P	10 31 27.3	-0.6
J43A	Natural Harves	70.86	342	P	P	10 31 26.4	-0.6
O34A	Beatrice	70.86	334	P	P	10 31 27.0	-0.1
M37A	Trindle Farm,	70.92	337	P	P	10 31 27.1	-0.3
JFWS	Jewell Farm	70.98	340	eP	P	10 31 27.5	-0.3
CBKS	Cedar Bluff	70.98	331	P	P	10 31 28.6	+0.7
CBKS	Cedar Bluff	70.98	331	eP	P	10 31 28.8	+0.9
J42A	Columbus	71.01	341	P	P	10 31 27.5	-0.4

N35A	Tabor	71.03	335	P	P	10 31 27.6	-0.6
K40A	Colesburg	71.07	339	P	P	10 31 27.8	-0.5
O33A	Hebron	71.13	334	P	P	10 31 28.8	0.0
LAZ	Ladron	71.13	323	eP	P	10 31 30.5	+1.3
ANMO	Albuquerque	71.18	324	eP	P	10 31 30.4	+1.1
ANMO	Albuquerque	71.18	324	eP	P	10 31 30.5	+1.1
L38A	Oak Wood Farm,	71.18	338	P	P	10 31 28.5	-0.4
M36A	Felix, Anita	71.23	336	P	P	10 31 29.1	-0.2
I43A	Langenfeld Bro	71.24	342	P	P	10 31 28.4	-0.9
J41A	Logansville	71.32	340	P	P	10 31 29.3	-0.5
K39A	Oelwein	71.32	339	P	P	10 31 29.0	-0.8
N34A	Lincoln	71.34	335	P	P	10 31 29.2	-0.8
L37A	Phoenix Point,	71.44	337	P	P	10 31 29.8	-0.7
I42A	Drager Farm,	71.47	341	P	P	10 31 30.4	-0.3
K38A	Parkersburg	71.56	338	P	P	10 31 30.9	-0.4
J40A	Soldiers Grove	71.57	340	P	P	10 31 30.9	-0.4
M35A	Neola	71.58	336	P	P	10 31 31.2	-0.2
N33A	J Bar K, Exete	71.64	334	P	P	10 31 31.8	0.0
TUC	Tucson	71.67	320	eP	P	10 31 33.2	+0.9
TUC	Tucson	71.67	320	eP	P	10 31 33.6	+1.4
H43A	Winthrop, Lx	71.68	342	P	P	10 31 31.4	-0.5
L36A	Harm Buss Farm	71.75	337	P	P	10 31 32.2	-0.2
T25A	Trinidad	71.82	327	P	P	10 31 34.2	+1.0
T25A	Trinidad	71.82	327	eP	P	10 31 34.6	+1.4
J39A	Decorah	71.82	339	P	P	10 31 32.2	-0.6
I41A	Arkdale	71.90	341	P	P	10 31 32.6	-0.7
H42A	Shiocton	71.92	342	P	P	10 31 33.0	-0.4
M34A	Aspy Farms, Fr	71.95	335	P	P	10 31 33.6	0.0
MHTCO	State Highway	71.95	327	eP	P	10 31 35.5	+1.5
K37A	Belgrade	71.97	338	P	P	10 31 33.0	-0.7
I40A	Norwalk	71.98	340	P	P	10 31 33.3	-0.5
J38A	Wedel Dairy, R	72.06	339	P	P	10 31 33.8	-0.4
L35A	Bielow Farm, R	72.08	336	P	P	10 31 34.1	-0.3
F46A	Macinaw City C	72.12	345	P	P	10 31 34.0	-0.5
K36A	Gilmore City	72.14	337	P	P	10 31 34.5	-0.3
F45A	CMU Biological	72.22	344	P	P	10 31 34.6	-0.5
I39A	Houston	72.23	340	P	P	10 31 34.8	-0.5
M33A	Taylor Creek F	72.24	335	P	P	10 31 35.3	-0.2
L34A	Svensen Farm,	72.27	335	P	P	10 31 35.3	-0.2
H41A	Junction City	72.35	341	P	P	10 31 35.6	-0.4
G43A	Wallace	72.38	343	P	P	10 31 35.4	-0.8
J37A	Redenius Farm,	72.42	338	P	P	10 31 36.0	-0.4
SYO	Syowa Base	72.42	158	eP	P	10 31 36.0	-0.1
SYO	Syowa Base	72.42	158	eP	P	10 31 43.2	+1.6
K35A	Kaye Shedlock'	72.45	329	eP	P	10 31 37.9	+1.1
K35A	Kaye Shedlock'	72.45	329	eP	P	10 31 38.1	+1.2
BGNE	Belgrade	72.48	334	P	P	10 31 37.1	+0.2
BGNE	Belgrade	72.48	334	eP	P	10 31 36.8	-0.1
K35A	Storm Lake	72.49	337	P	P	10 31 36.4	-0.5
G42A	Mountain	72.57	342	P	P	10 31 36.8	-0.5
H40A	Chill	72.57	341	P	P	10 31 36.8	-0.5
214A	Organ Pipe Nat	72.64	318	P	P	10 31 39.4	+1.3
I38A	Scanlan Farm,	72.66	339	P	P	10 31 37.4	-0.4
J36A	Seneca 1, Swea	72.70	337	P	P	10 31 37.6	-0.5
F44A	Big Bay de Noc	72.72	344	P	P	10 31 37.7	-0.4
G41A	Antio	72.75	342	P	P	10 31 37.9	-0.4
E45A	Wooded Hills,	72.77	345	P	P	10 31 38.4	0.0
F43A	Flat Rock, Esc	72.78	343	P	P	10 31 38.0	-0.5
K34A	Le Mars	72.78	336	P	P	10 31 38.7	+0.2
X18A	Snowflake	72.78	322	eP	P	10 31 40.6	+1.6
SDCO	Great Sand Dun	72.83	327	P	P	10 31 40.6	+1.3
SDCO	Great Sand Dun	72.83	327	eP	P	10 31 40.7	+1.3
H39A	Augusta	72.90	340	P	P	10 31 38.9	-0.3
VLDQ	Val d'Or						

Table with columns: ID, Name, RA, Dec, Mag, Type, and other parameters. Includes entries like C35A Jirik Farms, SRU San Rafael Swe, MURC Murrice, D33A AnnSam, Waubun, etc.

Table with columns: ID, Name, RA, Dec, Mag, Type, and other parameters. Includes entries like SNOW Snow King Moun, LOHW Long Hollow, TPWA Teton Pass, MOOV Moose Ponds, etc.

Table with columns: ID, Name, RA, Dec, Mag, Type, and other parameters. Includes entries like SONM Songino Array, GTA Gaotai, HMC Hu-ho-hao-te, etc.

CSEM 15 10:29:09.3±0.0, 50.22N±18.97E, h2km, Error ellipse: s-maj=5.8km s-min=2.6km az=11.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like OJC Ojcow, OJC Ojcow, OJC Ojcow, etc.

BJL 15 10:43:42.2, 0.94S, 122.143E, h263km, mb5.4/84, mb5.0/52

NEIC 15 10:43:50.0±0.0, 0.23S, 122.03E, h270km, Moment Tensor Solution. s44 Moment tensor: Scale 1017Nm;

MOS 15 10:43:51.9±1.2, 0.04S, 121.86E, h288km, mb5.5/72 Error ellipse: s-maj=7.5km s-min=4.4km az=110.4

NEIC 15 10:43:51.9±0.3, 0.10S, 121.91E, h276km, mb5.7/168, MW5.8, MW5.7, Error ellipse: s-maj=3.5km s-min=2.6km

NEIC 15 10:43:51.4±0.1, 0.10S, 121.92E, h266km, mb5.8/149, Moment Tensor Solution. s133,c255; s149,c396;

DJA 15 10:43:51.4±0.1, 0.10S, 121.92E, h258km, mb5.6/81, mb5.8/81, mb6.0/72, MLV6.1/18, MW(mB)5.6/72, Mwp5.8/7

NEIC 15 10:43:51.9±1.2, 0.04S, 121.86E, h288km, mb5.5/72 Error ellipse: s-maj=7.5km s-min=4.4km az=110.4

NEIC 15 10:43:51.9±0.3, 0.10S, 121.92E, h276km, mb5.7/168, MW5.8, MW5.7, Error ellipse: s-maj=3.5km s-min=2.6km

NEIC 15 10:43:51.4±0.1, 0.10S, 121.92E, h266km, mb5.8/149, Moment Tensor Solution. s133,c255; s149,c396;

DJA 15 10:43:51.4±0.1, 0.10S, 121.92E, h258km, mb5.6/81, mb5.8/81, mb6.0/72, MLV6.1/18, MW(mB)5.6/72, Mwp5.8/7

NEIC 15 10:43:51.9±1.2, 0.04S, 121.86E, h288km, mb5.5/72 Error ellipse: s-maj=7.5km s-min=4.4km az=110.4

NEIC 15 10:43:51.9±0.3, 0.10S, 121.92E, h276km, mb5.7/168, MW5.8, MW5.7, Error ellipse: s-maj=3.5km s-min=2.6km

NEIC 15 10:43:51.4±0.1, 0.10S, 121.92E, h266km, mb5.8/149, Moment Tensor Solution. s133,c255; s149,c396;

DJA 15 10:43:51.4±0.1, 0.10S, 121.92E, h258km, mb5.6/81, mb5.8/81, mb6.0/72, MLV6.1/18, MW(mB)5.6/72, Mwp5.8/7

NEIC 15 10:43:51.9±1.2, 0.04S, 121.86E, h288km, mb5.5/72 Error ellipse: s-maj=7.5km s-min=4.4km az=110.4

NEIC 15 10:43:51.9±0.3, 0.10S, 121.92E, h276km, mb5.7/168, MW5.8, MW5.7, Error ellipse: s-maj=3.5km s-min=2.6km

NEIC 15 10:43:51.4±0.1, 0.10S, 121.92E, h266km, mb5.8/149, Moment Tensor Solution. s133,c255; s149,c396;

DJA 15 10:43:51.4±0.1, 0.10S, 121.92E, h258km, mb5.6/81, mb5.8/81, mb6.0/72, MLV6.1/18, MW(mB)5.6/72, Mwp5.8/7

NEIC 15 10:43:51.9±1.2, 0.04S, 121.86E, h288km, mb5.5/72 Error ellipse: s-maj=7.5km s-min=4.4km az=110.4

NEIC 15 10:43:51.9±0.3, 0.10S, 121.92E, h276km, mb5.7/168, MW5.8, MW5.7, Error ellipse: s-maj=3.5km s-min=2.6km

NEIC 15 10:43:51.4±0.1, 0.10S, 121.92E, h266km, mb5.8/149, Moment Tensor Solution. s133,c255; s149,c396;

DJA 15 10:43:51.4±0.1, 0.10S, 121.92E, h258km, mb5.6/81, mb5.8/81, mb6.0/72, MLV6.1/18, MW(mB)5.6/72, Mwp5.8/7

NEIC 15 10:43:51.9±1.2, 0.04S, 121.86E, h288km, mb5.5/72 Error ellipse: s-maj=7.5km s-min=4.4km az=110.4

NEIC 15 10:43:51.9±0.3, 0.10S, 121.92E, h276km, mb5.7/168, MW5.8, MW5.7, Error ellipse: s-maj=3.5km s-min=2.6km

NEIC 15 10:43:51.4±0.1, 0.10S, 121.92E, h266km, mb5.8/149, Moment Tensor Solution. s133,c255; s149,c396;

DJA 15 10:43:51.4±0.1, 0.10S, 121.92E, h258km, mb5.6/81, mb5.8/81, mb6.0/72, MLV6.1/18, MW(mB)5.6/72, Mwp5.8/7



NWAO	Narrogin (SRO)	32.94 187	P	P	10 50 00.9 +0.4
NWAO	Narrogin (SRO)	32.94 187	P	P	10 50 00.9 +0.4
CBJ	Chichi jima	33.34 34	eP	P	10 50 02.4 -1.6
QLP	Quilpie	33.98 143	P	P	10 50 10.3 +0.9
JNU	Nakatsue	34.12 13	P	P	10 50 10.0 -0.6
JNU	Nakatsue	34.12 13	eP	P	10 50 09.8 -0.8
RKGY	Rocky Gully	34.63 187	P	P	10 50 16.4 +1.5
BBOO	Buckleboe	35.15 159	P	P	10 50 19.8 +0.3
BBOO	Buckleboe	35.15 159	eP	P	10 50 19.6 +0.2
CD2	Chengdu	35.34 332	P	P	10 50 22.6 +1.5
CD2			pP	pP	10 51 15.1 -0.2
CD2			sP	sP	10 51 44.6 -2.0
CD2			SS	SS	10 51 49.4 -1.2
CD2			SS	SS	10 51 13.8 +1.5
CD2			SS	SS	10 58 26.3 +4.4
CD2	comp=Z,370nm,0.8s		pmax	pmax	
CD2	comp=Z,310nm,5.9s		pmax	pmax	
XAN	Xi'an	36.09 342	P	P	10 50 28.3 +0.9
XAN			pP	pP	10 51 20.3 -1.5
XAN			sP	sP	10 51 49.5 -3.5
XAN			PP	PP	10 51 58.3 -1.1
XAN			pmax	pmax	
XAN	comp=Z,280nm,1.2s		LR	LR	
XAN	comp=Z,1µm,12.5s		LR	LR	
XAN	comp=Z,3µm,12.8s		LR	LR	
TIA	Tai'an	36.41 353	∪P	P	10 50 31.3 +1.3
TIA			pP	pP	10 51 23.0 -1.5
TIA			sP	sP	10 51 51.1 -4.6
TIA			pmax	pmax	
TIA	comp=Z,80nm,0.9s		pmax	pmax	
TIA	comp=Z,270nm,5.4s		LR	LR	
TIA	comp=Z,670nm,9.5s		LR	LR	
TIA	comp=Z,1µm,22.2s		LR	LR	
TJN	Taejon	36.65 7	iP	P	10 50 31.9 -0.1
STKA	Stephens Creek	36.67 151	P	P	10 50 33.1 +0.9
STKA	comp=Z,850nm,0.8s,baz=322,slow=8.5,SNR=913		PcP	PcP	10 52 48.9 0.0
STKA	comp=Z,62nm,0.8s,baz=349,slow=5.7,SNR=32		S	S	10 55 54.4 -0.6
STKA	comp=Z,57nm,1.1s,baz=237,slow=22,SNR=5.3		ScP	ScP	10 56 10.2 +0.7
STKA	Stephens Creek	36.67 151	P	P	10 50 33.3 +1.0
STKA	Stephens Creek	36.67 151	eP	P	10 50 33.2 +0.9
IMP	Imphal	36.71 315	eP	P	10 50 33.0 +0.2
IMP			ex	x	10 50 06.0 0
HTT	Hallett	36.80 156	P	P	10 50 34.6 +1.1
RMQ	Roma	36.82 138	P	P	10 50 34.1 +0.4
PATS	Pohnpei	36.96 79	P	P	10 50 35.6 +0.7
PATS	Pohnpei	36.96 79	eP	P	10 50 35.5 +0.6
EIDS	Eidsvold	37.14 134	P	P	10 50 41.0 -0.4
EIDS	Eidsvold	37.14 134	eP	P	10 50 41.0 -0.4
KS15	Wonju Array Si	37.77 8	eP	P	10 50 42.7 +1.3
KSRS	Korea Array	37.79 8	eP	P	10 50 42.0 +0.5
KSRS	comp=Z,63nm,0.7s,baz=184,slow=9.4,SNR=88		ScP	ScP	10 56 13.6 +0.1
KSRS	Korea Array	37.79 8	P	P	10 50 42.0 +0.5
KSRS			pmax	pmax	10 56 13.6
KSRS	comp=Z,60nm,0.7s		pmax	pmax	
KSRS	comp=N,13nm,0.9s		pmax	pmax	
KS01	Wonju Array Si	37.81 8	eP	P	10 50 42.6 +0.9
INU	Inuyama	37.99 20	eP	P	10 50 43.1 -0.1
CMSA	Cobar Meteorol.0.9s	38.52 146	P	P	10 50 49.2 +1.4
SHL	Shillong	38.64 314	eP	P	10 50 49.6 +0.6
TIY	Taiyuan	38.64 348	eP	P	10 50 50.4 +1.7
TIY			pP	pP	10 51 45.8 +2.1
TIY			sP	sP	10 52 14.0 -0.8
TIY			PP	PP	10 52 29.3 +0.2
TIY			pmax	pmax	10 56 26.8 +2.2
TIY	comp=N,81nm,0.7s		pmax	pmax	
TIY	comp=N,230nm,5.8s		LR	LR	
TIY	comp=N,1µm,10.5s		LR	LR	
TIY	comp=N,330nm,9.8s		LR	LR	
TIY	comp=N,920nm,11.8s		LR	LR	
DL2	Dalian	38.83 360	P	P	10 50 51.0 +0.9
DL2			sP	sP	10 52 11.3 -4.9
DL2			PP	PP	10 52 26.8 +1.2
DL2			PcP	PcP	10 52 55.3 0.0
DL2			ScP	ScP	10 56 17.1 -0.3
DL2			S	S	10 56 25.8 -1.3
DL2			ScS	ScS	11 00 28.0 -1.1
DL2	comp=N,83nm,0.8s		pmax	pmax	
HNR	Honiara	38.97 105	P	P	10 50 51.5 -0.2
HNR	comp=N,817nm,0.7s,baz=225,slow=2.0,SNR=74		S	S	10 56 30.4 +0.4
HNR	Honiara	38.97 105	eP	P	10 50 50.0 -1.7
HNR	Honiara	38.97 105	eS	P	10 50 51.4 -0.3
HNR			pmax	pmax	10 56 30.4 +0.4
HNR	comp=Z,950nm,0.8s		pmax	pmax	
HNR	Honiara	38.97 105	eP	P	10 50 51.4 -0.3
HNR	comp=Z,950nm,0.8s		eS	S	10 56 30.4 +0.4
MAJO	Matsushiro	39.48 21	eP	P	10 50 54.7 -0.9
MAJO	comp=Z,150nm,1.0s		pmax	pmax	
MAJO	Matsushiro	39.48 21	eP	P	10 50 54.7 -0.9
MAT	Matsushiro	39.48 21	P	P	10 50 54.6 -1.0
MAT			S	S	10 56 26.2 -1.1
MJAR	Matsushiro Arr	39.48 21	P	P	10 50 54.7 -0.9
MJAR	comp=Z,135nm,0.9s,baz=191,slow=8.7,SNR=200		PcP	PcP	10 52 58.0 +0.5
MJAR	comp=Z,16nm,0.8s,baz=201,slow=4.6,SNR=5.6		ScP	ScP	10 56 19.8 -0.3
MJAR	comp=Z,226nm,0.9s,baz=195,slow=4.2,SNR=16.7		S	S	10 56 33.9 -3.1
MJB9	Matsu-Tunnel	39.48 21	eP	P	10 50 54.8 -0.8
LZH	Lanzhou	39.74 337	eP	P	10 51 00.0 +2.1
LZH			pP	pP	10 51 54.3 +1.1
LZH			sP	sP	10 52 21.3 -2.9
LZH			PcP	PcP	10 52 59.8 +1.2
LZH			ScP	ScP	10 56 21.9 +0.6
LZH			S	S	10 56 45.8 +4.6
LZH	comp=Z,280nm,1.0s		pmax	pmax	
LZH	comp=Z,680nm,5.2s		pmax	pmax	
BJT	Baijiatuu	40.28 353	eP	P	10 51 03.0 +1.0
BJT			pmax	pmax	
BJT	comp=Z,108nm,0.7s		P	P	10 51 03.0 +1.0

BJI	Beijing	40.30 353	P	P	10 51 03.0 +0.8
BJI			S	SS	10 56 48.1 -0.9
BJI			SS	SS	11 00 06.8 +6.9
BJI	comp=Z,140nm,1.1s		pmax	pmax	
ARMA	Armidale	41.30 140	P	P	10 51 13.1 +2.4
ARMA	Armidale	41.30 140	eP	P	10 51 12.9 +2.2
CHLP	Challavanieta	41.53 299	eP	P	10 51 13.9 +1.4
CHLP			IAMB	IAMB	10 51 15.8
CHLP	comp=Z,86nm,1.1s		eS	S	10 57 08.1 +0.4
LSA	Lhasa	41.70 318	P	P	10 51 16.3 +2.0
LSA			pmax	pmax	
LSA	comp=Z,37nm,1.1s		eP	P	10 51 16.5 +2.2
LSA	Lhasa	41.70 318	eP	P	10 51 16.5 +2.2
LSA	comp=Z,47nm,0.8s		eP	P	10 51 16.5 +2.2
LSA	Lhasa	41.70 318	eP	P	10 51 16.5 +2.2
LSA	comp=Z,48nm,0.8s		eP	P	10 51 13.9 -0.6
PALK	Pallekele	41.75 281	P	P	10 51 13.9 -0.6
PALK	comp=Z,5.1nm,0.7s,baz=116,slow=5.5,SNR=5.2		ScP	ScP	10 56 29.5 -0.1
PALK	comp=Z,8.9nm,0.8s,baz=117,slow=3.9,SNR=4.8		ScP	ScP	10 51 14.8 +0.4
PALK	Pallekele	41.75 281	eP	P	10 51 15.4 +0.9
PALK			pmax	pmax	
PALK	comp=Z,140nm,1.8s		eP	P	10 51 15.4 +0.9
PALK	Pallekele	41.75 281	eP	P	10 51 15.4 +0.9
PALK	comp=Z,141nm,1.8s		∪P	P	10 51 13.9 -0.2
SNY	Shenyang	41.77 2	∪P	P	10 51 13.9 -0.2
SNY			pmax	pmax	
SNY	comp=Z,45nm,0.9s		pmax	pmax	
SNY	comp=Z,240nm,4.2s		LR	LR	
SNY	comp=Z,2µm,13.5s		LR	LR	
SNY	comp=Z,680nm,11.4s		LR	LR	
SNY			LR	LR	
HHC	Hu-ho-hao-te	41.84 348	eP	P	10 51 15.8 +1.0
HHC			pP	pP	10 52 11.9 +1.2
HHC			sP	sP	10 52 38.4 -3.1
HHC			PP	PP	10 53 00.8 +2.8
HHC			SS	SS	11 00 27.8 -2.3
HHC			pmax	pmax	
HHC	comp=Z,41nm,0.9s		pmax	pmax	
HHC	comp=Z,130nm,4.3s		pmax	pmax	
VIS	Vishakhapatnam	41.89 297	eP	P	10 51 15.3 -0.1
BTO	Botofoto	41.95 346	eP	P	10 51 16.3 +0.6
YANG	Yang	42.09 147	P	P	10 51 18.5 +1.6
YANG	comp=Z,SNR=41		P	P	10 51 23.3 +1.3
ODAN	Odare	42.68 312	eP	P	10 51 23.3 +1.3
TAPN	Taplejung	42.72 313	eP	P	10 51 23.4 +1.1
MGCD	Mangrove Creek	42.87 143	P	P	10 51 25.6 +2.4
TOO	Tooolangi	43.15 152	P	P	10 51 27.4 +1.9
CAN	Canberra	43.18 147	eP	P	10 51 27.5 +1.9
CAN			pmax	pmax	
CAN	comp=Z,980nm,0.7s		eP	P	10 51 27.5 +1.9
CAN	Canberra	43.18 147	eP	P	10 51 27.5 +1.9
PVM	Polavaram	43.26 296	eP	IAMB	10 51 27.3 +0.9
PVM			IAMB	IAMB	10 51 29.5
PVM	comp=Z,164nm,1.5s		eS	S	10 57 31.9 -1.0
MSHR	Mys Shultsa	43.30 10	iP	P	10 51 27.0 +0.6
RAMN	Ramite	43.32 311	eP	P	10 51 28.6 +1.5
MDRS	Chennai	43.33 289	eP	P	10 51 27.8 +0.8
RIV	Riverview	43.33 144	P	P	10 51 29.4 +2.7
CNB	Canberra Magne	43.38 147	P	P	10 51 28.8 +1.6
CNB	comp=Z,SNR=227		ScP	ScP	10 51 28.6 -2.0
CN2	Changchung	43.83 4	eP	P	10 56 36.9 -0.4
CN2			eS	S	10 57 42.8 +2.4
CN2			ScS	ScS	11 00 57.3 -2.3
CN2			pmax	pmax	
CN2	comp=Z,10.0nm,0.6s		pmax	pmax	
VLA	Vladivostok	43.96 11d	iP	P	10 51 32.2 +0.7
VLA			pmax	pmax	
VLA	comp=Z,88nm,1.0s		eP	P	10 51 33.4 +1.1
SKHT	Srikalahasti	44.00 290	eP	IAMB	10 51 34.9
SKHT			IAMB	IAMB	10 57 44.2 +0.5
SKHT	comp=Z,209nm,1.3s		eS	S	10 57 33.7 +1.0
JIRN	Jiri	44.01 312	eP	P	10 51 35.0 +1.1
GTA	Gaotai	44.23 335	P	P	10 52 29.5 -0.9
GTA			pP	pP	10 52 57.8 -3.3
GTA			sP	sP	10 56 38.8 -0.4
GTA			ScP	ScP	10 57 48.3 +1.7
GTA			S	S	11 01 00.3 -2.3
GTA			ScS	ScS	
GTA	comp=Z,180nm,1.5s		pmax	pmax	
GTA	comp=Z,510nm,7.4s		pmax	pmax	
GTA	comp=Z,700nm,13.5s		LR	LR	
GTA	comp=Z,780nm,13.1s		LR	LR	



VNDA	Vanda	80.29	172	eP	P	10 55 32.2 +0.9
TBLG	Delisi	80.51	312	P	P	10 55 32.4 -0.9
KIP	Kipapa	80.79	68	eP	Pmax	10 55 37.4 +2.3
KIP	comp-Z,130nm,1.1s					
KIP	Kipapa	80.79	68	eP	P	10 55 36.8 +1.6
HON	Honolulu	80.80	68	eP	Pmax	10 55 37.9 +2.7
HON	comp-Z,260nm,1.0s					
HON	Honolulu	80.80	68	eP	P	10 55 37.7 -2.5
GUDG	Gudauri	80.81	313	P	P	10 55 37.8 +2.7
SBA	Scott Base	81.25	171	eP	Pmax	10 55 38.0 +1.6
SBA	comp-Z,170nm,1.0s					
SBA	Scott Base	81.25	171	eP	P	10 55 38.0 +1.6
ZEI	Tsey	81.28	313	eS	S	10 55 34.7 -2.9
ZEI						10 55 20.3 -4.9
ZEI	comp-Z,33nm,1.5s					
BGD	Bogdanovsk	81.29	312	P	P	10 55 38.0 +0.3
AKH	Akhalkalaki	81.39	312	P	P	10 55 38.7 +0.5
AKH	Akhalkalaki	81.39	312	P	P	10 55 38.6 +0.5
NCK	Nalchik	81.60	314	eP	P	10 55 39.7 +0.7
NCK						
KBZ	Khabz	82.14	314	P	P	10 55 41.3 -0.4
KBZ	comp-Z,11nm,1.0s,baz=134,slow=3.6,SNR=16					
KBZ	comp-Z,24nm,1.0s,baz=57,slow=1.1,SNR=7.0					10 56 45.3 -0.6
KBZ	comp-Z,7.4nm,0.8s,baz=225,slow=4.4,SNR=15					11 14 09.6 -0.8
NEY	Neytrino	82.20	314	eP	Pmax	10 55 42.1 -0.2
NEY	comp-Z,6.0nm,1.0s					
GOF	Goitsoyev	82.22	315	eP	Pmax	10 55 40.8 -1.3
GOF						
KIV	Kislovodsk	82.32	314	eP	Pmax	10 55 42.0 -0.8
KIV	comp-Z,15nm,1.0s					
KIV	Kislovodsk	82.32	314	P	P	10 55 42.3 -0.5
KIV	SNR=5.8					
KIV	Kislovodsk	82.32	314	P	P	10 55 42.3 -0.5
KIV	SNR=5.8					
ARTV	Artvin	82.53	311	eP	P	10 55 44.6 +0.5
HPAH	Hawaii Prepara	82.88	70	eP	P	10 55 47.2 +1.0
SDPT	comp-Z,34nm,1.5s					
SDPT	Sand Point	83.05	34	eP	P	10 55 46.2 +0.1
KOPT	Kop Dag	83.49	310	eP	P	10 55 50.4 +1.3
CHGN	Chignik	84.30	33	eP	P	10 55 52.6 0.0
KMBO	Kilima Mbogo	84.66	269	P	P	10 55 55.6 +0.1
KMBO	comp-Z,15nm,1.0s,baz=74,slow=7.2,SNR=7.2					
KMBO	Kilima Mbogo	84.66	269	eP	Pmax	10 55 55.4 -0.1
KMBO	comp-Z,45nm,1.3s					
KMBO	Kilima Mbogo	84.66	269	eP	P	10 55 55.4 -0.1
VSR	Storzhevoys	85.53	321	eS	S	10 55 57.2 -1.4
VSR						11 06 03.4 -3.4
VSR	comp-Z,230nm,1.0s					
VSR	comp-Z,180nm,0.7s					
VSR	comp-N,110nm,1.5s					
LPSR	Galich'ya Gora	85.82	323	eS	S	10 55 58.8 -1.2
LPSR						11 06 05.9 -3.6
LPSR	comp-Z,240nm,1.1s					
LPSR	comp-Z,180nm,1.0s					
LPSR	comp-E,210nm,1.7s					
ANN	Anapa	86.15	315	dIP	P	10 56 00.4 -1.4
ANN						11 06 01.4
ANN	comp-Z,147nm,1.5s					
KLMR	Klimovskoe	86.38	331	eP	P	10 55 59.7 -2.9
KLMR						10 59 25.4
KLMR						11 05 58.3 -4.1
SVWZ	Sparrevohr	86.46	29	eP	P	10 56 03.6 +0.6
SVWZ	comp-Z,44nm,0.7s					
TOKA	Tokat	86.58	310	eP	P	10 56 04.3 +0.2
SII	Sitkinak Islan	86.72	33	eP	P	10 56 05.3 +1.0
SII	comp-Z,135nm,1.6s					
MOS	Moscow	86.86	326	eP	P	10 56 03.4 -1.6
MOS						10 57 08.9
MOS						11 06 10.0 -3.5
MOS	comp-Z,200nm,1.4s					
SYO	Syowa Base	87.14	201	iP	P	10 56 05.0 -1.0
SYO	Syowa Base	87.14	201	iP	P	10 56 07.6 -0.2
OHAK	Old Harbor	87.26	33	eP	P	10 56 07.2 +0.3
OHAK	comp-Z,87nm,0.8s					
EIL	Eilat	87.41	300	pP	P	10 57 13.3 0.0
EIL	comp-Z,11nm,1.0s,baz=123,slow=4.9,SNR=3.9					
OBN	Obninsk	87.42	325	dIP	P	10 56 06.0 -1.6
OBN						10 59 34.2
OBN	comp-Z,103nm,1.4s					
KDAK	Kodiak Island	87.68	32	eP	P	10 56 08.8 0.0
KDAK	comp-Z,53nm,0.9s,baz=256,slow=2.6,SNR=21					
KDAK	Kodiak Island	87.68	32	eP	Pmax	10 56 09.0 +0.2
KDAK	comp-Z,68nm,0.9s					
KDAK	Kodiak Island	87.68	32	eP	P	10 56 09.0 +0.2
KDAK	comp-Z,68nm,0.9s					
RSO	Redoubt South	87.78	30	eP	P	10 56 08.9 -0.7
IMAR	Indian Mountain	87.78	24	eP	P	10 56 09.5 +0.3
SPU	Mount Spurr	88.17	29	eP	P	10 56 10.3 -0.8
PPLA	Purkeypile	88.22	27	eP	P	10 56 11.4 -0.1
CAST	Castle Rocks	88.30	27	eP	P	10 56 11.7 0.0
CNPM	China Poot	88.49	31	eP	P	10 56 12.3 -0.4
CNPM	comp-Z,120nm,1.2s					
PAE	Paea	88.54	108	iP	P	10 56 16.3 +2.6
PAE	comp-Z,17nm,1.1s					
PPT2	Papeete2	88.54	107	iP	P	10 56 16.8 +2.9
PPT	Papeete	88.54	107	P	P	10 56 16.8 -1.0
PPT	comp-Z,63nm,1.1s,baz=270,slow=20,SNR=2.0					
PPTF	Pamatai, Papee	88.55	107	P	P	10 56 15.7 +1.8
PPTF	comp-Z,221nm,1.4s					
BRLK	Bradley Lake	88.68	30	eP	P	10 56 13.1 -0.5
BRLK	comp-Z,125nm,1.1s					
TBI	Tubuai	88.69	113	iP	P	10 56 17.0 +2.6
TBI	comp-Z,487nm,1.2s					
BR101	Reskin Array S	88.74	310	eP	P	10 56 12.9 -1.5
BR101						10 57 17.4 -2.3
BR131	Reskin Array S	88.74	310	eP	P	10 56 12.9 -1.5
BR131						10 56 12.9 -1.5
BRTR	Reskin Array B	88.74	310	P	P	10 56 12.9 -1.5
BRTR	comp-Z,11nm,1.1s,baz=112,slow=4.8,SNR=18					
BRTR	comp-Z,8.9nm,0.9s,baz=116,slow=8,SNR=5.6					10 57 17.4 -2.3
BRTR	comp-Z,1.7nm,0.9s,baz=182,slow=3.5,SNR=5.0					11 13 52.6 -2.2
TIAR	Tiare	88.76	107	iP	P	10 56 17.6 +2.8
TIAR	comp-Z,30nm,1.0s					
SUA	Susitna One	88.82	29	eP	P	10 56 13.7 -0.6
SUA	comp-Z,78nm,1.0s					
BPW	Bear Paw Mtn.	88.82	26	eP	P	10 56 13.9 -0.3
BPW	comp-Z,54nm,1.0s					
TARAVO	Taravao	88.85	108	iP	P	10 56 18.2 +2.9
TARAVO	comp-Z,51nm,1.2s					
MLY	Manley	88.97	25	eP	P	10 56 14.9 +0.1
MLY	comp-Z,68nm,0.9s					
TRF	Thorofare Moun	89.11	27	eP	P	10 56 15.3 -0.3
TRF	comp-Z,68nm,1.0s					
RC01	Rabbit Creek A	89.29	29	eP	P	10 56 15.6 -0.8
RC01	comp-Z,84nm,1.2s					
BR231	Reskin MP Arra	89.41	310	eP	P	10 57 17.7 -5.1
SEW	Seward	89.41	30	eP	P	10 56 16.5 -0.4
SEW	comp-Z,90nm,1.2s					
APA	Apaitity	89.53	337	iP	MLR	10 56 18.3 +1.0
APA	comp-Z,3um,28.0s					

TOLK	Toolik Lake Re	89.56	21	P	P	10 56 18.0 +0.5
TOLK	Toolik Lake Re	89.56	21	eP	P	10 56 18.0 +0.5
TOLK	comp-Z,55nm,1.2s					
PMR	Palmer	89.59	29	eP	P	10 56 17.0 -0.7
PMR	Palmer	89.59	29	eP	P	10 56 17.0 -0.7
MCK	McKinley	89.72	26	eP	P	10 56 17.6 -0.7
MCK	McKinley	89.72	26	eP	P	10 56 17.6 -0.7
RND	Reindeer	89.75	27	eP	P	10 56 17.5 -1.0
RND	Reindeer	89.75	27	eP	P	10 56 17.5 -1.0
GSPA	South Pole Qui	89.83	180	eP	P	10 56 19.8 +0.9
GSPA	comp-Z,76nm,0.8s					
SML	Sawmill	89.88	28	eP	P	10 56 19.4 -0.2
SML	Sawmill	89.88	28	eP	P	10 56 19.4 -0.2
MDM	Murphy Dome	90.04	25	eP	P	10 56 18.9 -0.9
MDM	comp-Z,19nm,0.9s					
WRH	Wood River Hill	90.09	26	eP	P	10 56 19.3 -0.7
WRH	comp-Z,152nm,1.6s					
COLA	College	90.20	25	eP	Pmax	10 56 19.8 -0.7
COLA						
COLA	comp-Z,15nm,0.6s					
COLA	College	90.20	25	eP	P	10 56 19.8 -0.7
COLA	comp-Z,15nm,0.6s					
CCB	Clear Creek Bu	90.22	26	eP	P	10 56 19.4 -1.2
CCB	comp-Z,38nm,0.8s					
VAH	Vailhoi	90.41	105	iP	P	10 56 25.0 +2.5
DHY	Denali Highway	90.42	27	eP	P	10 56 21.5 -0.3
DHY	comp-Z,37nm,0.7s					
SCM	Sheep Creek Mo	90.45	28	eP	P	10 56 21.7 -0.2
SCM	Sheep Creek Mo	90.45	28	eP	P	10 56 21.7 -0.2
GLI	Glacier Island	90.58	29	eP	P	10 56 22.4 0.0
GLI	comp-Z,56nm,0.9s					
ILAR	Eielson Array	90.61	25	eP	P	10 56 20.9 -1.5
ILAR	comp-Z,9.6nm,0.7s,baz=242,slow=4.8,SNR=90					
ILAR	comp-Z,1.8nm,0.9s,baz=246,slow=5.0,SNR=3.7					10 59 59.4 -2.1
ILAR	comp-Z,4.3nm,0.9s,baz=108,slow=2.8,SNR=19					11 13 47.6 +1.4
ILAR	comp-Z,2.1nm,1.1s,baz=47,slow=1.1,SNR=7.3					
ILB	Eielson Array	90.61	25	eP	P	10 56 20.9 -1.5
FID	Port Fidalgo	90.88	29	eP	P	10 56 23.7 0.0
FID	comp-Z,175nm,1.6s					
KLU	Klutina	91.13	29	eP	P	10 56 25.1 +0.1
KLU	comp-Z,38nm,0.7s					
DIV	Divide	91.22	29	eP	P	10 56 25.7 +0.3
DIV	comp-Z,205nm,1.5s					
FYU	Fort Yukon	91.24	24	eP	P	10 56 26.2 +0.9
FYU	comp-Z,125nm,1.5s					
EYAK	Cordova Ski Ar	91.25	30	eP	P	10 56 25.4 -0.1
EYAK	comp-Z,27nm,1.2s					
PAX	Paxson	91.29	27	eP	P	10 56 25.7 0.0
PAX	Paxson	91.29	27	eP	P	10 56 25.7 0.0
HARP	HAARP	91.46	28	eP	P	10 56 26.8 +0.4
HARP	comp-Z,84nm,0.9s					
RAGM	Ragged Mountai	91.79	30	eP	P	10 56 28.5 +0.5
RAGM	comp-Z,80nm,1.2s					
BMRM	Bremner River	91.79	29	eP	P	10 56 28.2 +0.2
BMRM	comp-Z,94nm,1.2s					
AKASG	Malin Array Be	91.80	321	P	P	10 56 26.4 -1.8
AKASG	comp-Z,9.2nm,0.7s,baz=70,slow=4.6,SNR=15					
AKASG	comp-Z,6.4nm,0.8s,baz=76,slow=4.5,SNR=3.2					10 57 32.9 -0.7
AKASG	comp-Z,1.0nm,0.4s,baz=74,slow=8.0,SNR=5.0					11 00 48.6 -2.5
AKASG	comp-Z,4.1nm,0.6s,baz=274,slow=3.0,SNR=9.0					11 13 44.9 +1.1
AKAB	Malin Array Si	91.80	321	eP	P	10 56 27.8 -0.4
AKAB						
AKAB	comp-Z,28nm,1.0s					
AKAB	Malin Array Si	91.80	321	eP	P	10 56 27.8 -0.4
AKAB	comp-Z,28nm,1.0s					
KIEV	Kiev	91.81	321	eP	Pmax	10 56 27.0 -1.2
KIEV						
KIEV	comp-Z,21nm,1.1s					
AK11	Malin Array Si	91.83	321	eP	P	10 56 26.6 -1.8
DOT	Dot Lake	91.89	26	eP	P	10 56 28.3 -0.1
DOT	comp-Z,191nm,1.4s					
MENT	Mentasta	92.09	27	eP	P	10 56 29.4 0.0

15d 10h

Table with columns: ID, Name, Date, Time, Status, and other details. Includes entries like M04C Macdoel, O03D Paynes Creek, etc.

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Table with columns: ID, Name, Date, Time, Status, and other details. Includes entries like TMUT Trail Mountain, G16A Castle Valley, etc.

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Table with columns: ID, Name, Date, Time, Status, and other details. Includes entries like C36A Pine Crest Far, G33A Bartonville, etc.

G40A	Rib Lake	126.83	28	P	PKPdf	11 02 22.3	-0.5	N40A	Mertquako, Sal	129.31	33	P	PKPdf	11 02 27.0	-0.5	O45A	Potomac	131.79	31	P	PKPdf	11 02 32.1	-0.1
O34A	Beatrice	126.86	37	P	PKPdf	11 02 22.0	-0.9	VLDQ	Val d'Or	129.32	17	ePKPdf	PKPdf	11 02 26.9	-0.4	N46A	Monticello	131.80	29	P	PKPdf	11 02 32.0	-0.3
K37A	Belmond	126.90	32	P	PKPdf	11 02 22.0	-0.9	V35A	Wagon Ranch, C	129.44	41	P	PKPdf	11 02 28.1	+0.2	T41A	Mountain View	131.83	37	P	PKPdf	11 02 32.1	-0.3
E42A	Champion	126.97	26	P	PKPdf	11 02 22.6	-0.4	V35A	Meyer Ranch, C	129.44	41	ePKPdf	PKPdf	11 02 28.1	+0.2	336A	Riesel	131.90	46	P	PKPdf	11 02 32.7	0.0
F41A	Three Lakes	126.98	27	P	PKPdf	11 02 23.1	+0.1	Q38A	Cooks Store, C	129.47	36	P	PKPdf	11 02 27.1	-0.8	P44A	Sand Creek, Wi	131.91	32	P	PKPdf	11 02 32.3	-0.2
N35A	Tabor	127.05	35	P	PKPdf	11 02 22.6	-0.7	L42A	Oliver, Polo	129.51	30	P	PKPdf	11 02 26.7	-1.2	S42A	Caledonia	131.91	35	P	PKPdf	11 02 32.3	-0.3
HP1G	Wedel Dairy, R	127.09	56	ePKPdf	PKPdf	11 02 24.4	+0.4	S37A	Fort Scott	129.51	38	P	PKPdf	11 02 27.6	-0.4	Y38A	Idabel	131.93	42	P	PKPdf	11 02 32.4	-0.3
J38A	Wedel Dairy, R	127.12	31	P	PKPdf	11 02 22.5	-0.8	M41A	Millot	129.51	32	P	PKPdf	11 02 27.0	-0.9	933A	Laredo	131.96	52	P	PKPdf	11 02 33.7	+0.8
M36A	Felix, Anita	127.14	34	P	PKPdf	11 02 22.9	-0.5	OK02N	N3440 Road, Me	129.55	42	ePKPdf	PKPdf	11 02 28.3	+0.1	FVM	French Village	131.97	35	ePKIKP	PKPdf	11 02 31.7	-1.0
P34A	Walnut Farm, R	127.18	37	P	PKPdf	11 02 23.2	-0.3	P39B	Salisbury	129.62	35	P	PKPdf	11 02 27.7	-0.5	FVM	French Village	131.97	35	ePKIKP	PKPdf	11 02 31.7	-1.0
H40A	Chili	127.22	29	P	PKPdf	11 02 23.1	-0.3	OK02N	N3530 Road, Sp	129.62	41	ePKPdf	PKPdf	11 02 28.3	0.0	X39A	Fountain Ranch	131.98	41	P	PKPdf	11 02 32.8	0.0
OK9A	Houston	127.23	30	P	PKPdf	11 02 22.5	-1.1	K43A	Burlington	129.65	29	P	PKPdf	11 02 27.6	-0.5	V40A	Witts Springs	132.00	39	P	PKPdf	11 02 32.4	-0.5
L37A	Phoenix Point,	127.27	33	P	PKPdf	11 02 22.6	-1.0	O40A	La Belle	129.68	34	P	PKPdf	11 02 27.5	-0.8	137A	Heron Place, G	132.00	44	P	PKPdf	11 02 33.7	+0.8
O35A	Humboldt	127.27	36	P	PKPdf	11 02 22.7	-1.0	OK022	N3560 Road, Pr	129.69	41	ePKPdf	PKPdf	11 02 28.1	-0.4	SFIN	Lafayette	132.01	30	P	PKPdf	11 02 32.4	-0.3
G41A	Antigo	127.34	27	P	PKPdf	11 02 22.9	-0.8	W35A	Tecumseh	129.78	42	P	PKPdf	11 02 28.7	+0.1	SFIN	Lafayette	132.01	30	P	PKPdf	11 02 32.5	-0.2
F42A	Maple Grove Fa	127.40	26	P	PKPdf	11 02 23.2	-0.6	W35A	Tecumseh	129.78	42	ePKPdf	PKPdf	11 02 28.7	+0.1	R43A	Red Bud	132.05	34	P	PKPdf	11 02 32.5	-0.3
E43A	Lone Tree Farm	127.40	25	P	PKPdf	11 02 23.8	0.0	Q39A	Willow Grove F	129.78	35	P	PKPdf	11 02 28.2	-0.3	Q44A	Meyer Farm, Va	132.10	33	P	PKPdf	11 02 32.6	-0.2
K38A	Parkersburg	127.42	32	P	PKPdf	11 02 23.3	-0.6	U36A	Oologah	129.79	40	P	PKPdf	11 02 28.6	0.0	Z38A	Mt. Pleasant	132.15	43	P	PKPdf	11 02 33.4	+0.3
N36A	Muff Farm, Cla	127.47	35	P	PKPdf	11 02 23.8	-0.3	R18A	Fenwick Farm,	129.80	37	P	PKPdf	11 02 27.7	-0.9	U41A	Viola	132.20	37	P	PKPdf	11 02 32.6	-0.5
Q34A	Chapman	127.49	38	P	PKPdf	11 02 24.3	+0.1	N43A	Harden Midland	129.82	32	P	PKPdf	11 02 27.4	-1.1	W40A	Ferguson Farm,	132.23	39	P	PKPdf	11 02 33.0	-0.2
J39A	Decorah	127.51	31	P	PKPdf	11 02 23.5	-0.6	L43A	Garden Prairie	129.84	30	P	PKPdf	11 02 27.9	-0.6	W40A	Ferguson Farm,	132.23	39	ePKPdf	PKPdf	11 02 33.1	-0.2
H19A	Junction City	127.58	28	P	PKPdf	11 02 23.5	-0.6	T37A	Wentzville 18	129.86	39	P	PKPdf	11 02 28.7	0.0	T42A	Van Buren	132.24	36	P	PKPdf	11 02 32.7	-0.5
KSU1	Kansas State U	127.58	38	P	PKPdf	11 02 24.4	0.0	M42A	Sheffield	129.86	31	P	PKPdf	11 02 27.6	-0.9	237A	Washetta, Mont	132.30	45	P	PKPdf	11 02 34.3	+0.8
KSU1	Kansas State U	127.58	38	ePKPdf	PKPdf	11 02 24.4	0.0	P40A	Par	129.99	34	P	PKPdf	11 02 28.5	-0.4	MIAR	Mout Ida	132.31	40	ePKIKP	PKPdf	11 02 32.9	-0.5
M37A	Trindle Farm	127.59	34	P	PKPdf	11 02 23.9	0.0	V36A	Jenks	130.02	41	P	PKPdf	11 02 28.9	-0.1	MIAR	Mout Ida	132.31	40	ePKIKP	PKPdf	11 02 32.9	-0.5
I40A	Norwalk	127.65	29	P	PKPdf	11 02 23.5	-0.9	V36A	Jenks	130.02	41	P	PKPdf	11 02 28.9	-0.1	Y39A	Lockesburg	132.34	41	P	PKPdf	11 02 33.5	+0.1
U32A	Winter Ranch,	127.66	42	P	PKPdf	11 02 24.2	-0.3	V36A	Jenks	130.02	41	ePKPdf	PKPdf	11 02 29.5	+0.4	V18A	Mountainview	132.42	38	P	PKPdf	11 02 32.9	-0.7
G42A	Mountain	127.67	27	P	PKPdf	11 02 23.9	-0.4	TUL1	Leonard	130.04	40	P	PKPdf	11 02 28.8	-0.3	341A	Matatall Enter	132.43	43	P	PKPdf	11 02 34.6	+0.9
P35A	Duane Minner,	127.67	37	P	PKPdf	11 02 23.8	-0.7	TUL1	Leonard	130.04	40	ePKPdf	PKPdf	11 02 29.3	+0.2	S43A	Fulton Ridge,	132.46	35	P	PKPdf	11 02 33.2	-0.4
R34A	Isabella, Hill	127.68	39	P	PKPdf	11 02 24.4	-0.1	X35A	Drake	130.14	43	P	PKPdf	11 02 28.9	-0.5	P46A	Rosedale	132.53	31	P	PKPdf	11 02 33.4	-0.2
L38A	Oak Wood Farm,	127.69	33	P	PKPdf	11 02 23.8	-0.6	S38A	Stockton	130.16	37	P	PKPdf	11 02 28.4	-0.8	R44A	Waltonville	132.54	33	P	PKPdf	11 02 33.1	-0.6
SC1A	State Center	127.72	33	ePKPdf	PKPdf	11 02 24.5	0.0	N42A	Yates City	130.17	32	P	PKPdf	11 02 28.9	-0.2	934A	Benavides	132.56	51	P	PKPdf	11 02 33.7	-0.4
F43A	Flat Rock, Esc	127.76	25	P	PKPdf	11 02 24.4	-0.1	U7A	Salina	130.18	39	P	PKPdf	11 02 29.1	-0.2	O47A	Sheridan	132.58	29	P	PKPdf	11 02 33.4	-0.3
K39A	Delweim	127.86	31	P	PKPdf	11 02 23.4	-1.3	JCT	Junction City	130.19	49	P	PKPdf	11 02 29.6	0.0	U42A	Reverend	132.61	37	P	PKPdf	11 02 33.4	-0.5
I41A	Arkdale	127.89	29	P	PKPdf	11 02 23.8	-0.9	W36A	Wetumka	130.22	42	P	PKPdf	11 02 29.3	-0.2	X30A	Greenbrier Sit	132.62	39	ePKPdf	PKPdf	11 02 33.5	-0.4
O36A	Bolckow	127.91	36	P	PKPdf	11 02 24.2	-0.7	W36A	Wetumka	130.22	42	ePKPdf	PKPdf	11 02 29.3	-0.2	X37A	Centerville	132.63	45	P	PKPdf	11 02 34.8	+0.7
N37A	Lee Faris, Mou	127.94	35	P	PKPdf	11 02 24.5	-0.5	O41A	Pastleys Farm,	130.23	33	P	PKPdf	11 02 29.7	-0.6	WHAR	Woolly Hollow	132.66	39	ePKPdf	PKPdf	11 02 34.5	+0.5
J40A	Soldiers Grove	127.95	30	P	PKPdf	11 02 24.0	-0.9	L44A	Lake County Fo	130.25	29	P	PKPdf	11 02 28.9	-0.3	T43A	Greenville	132.67	35	P	PKPdf	11 02 34.6	-0.4
F44A	Big Bay de Noc	127.96	25	P	PKPdf	11 02 24.5	-0.4	M43A	Walton Townsh	130.28	30	P	PKPdf	11 02 29.9	-0.5	034A	Hebronville	132.68	52	P	PKPdf	11 02 34.0	-0.3
G43A	Wallace	127.98	26	P	PKPdf	11 02 24.6	-0.3	T38A	Diamond	130.30	38	P	PKPdf	11 02 29.3	-0.3	Z39A	Irene McRaven,	132.70	42	P	PKPdf	11 02 34.6	+0.4
M38A	Pleasantville	128.06	33	P	PKPdf	11 02 24.7	-0.4	Q40A	Laur Farm, Aux	130.34	35	P	PKPdf	11 02 29.4	-0.2	OL1L	Olney	132.72	32	ePKPdf	PKPdf	11 02 34.2	+0.1
Q35A	Mercer Eighty,	128.08	38	P	PKPdf	11 02 24.9	-0.4	Y35A	Marietta	130.38	43	P	PKPdf	11 02 29.8	0.0	W41B	Guy Mavity, V	132.76	39	P	PKPdf	11 02 33.8	-0.4
P36A	Good Intent, A	128.10	36	P	PKPdf	11 02 24.5	-0.8	X41A	Barry, Barry	130.44	34	P	PKPdf	11 02 29.4	-0.3	238A	Jacksonville	132.78	44	P	PKPdf	11 02 34.6	+0.2
S34A	Willow Spring	128.12	39	P	PKPdf	11 02 25.0	-0.4	P36A	Centrahoma	130.46	42	P	PKPdf	11 02 29.9	0.0	PBMO	Poplar Bluff	132.82	36	ePKPdf	PKPdf	11 02 34.0	-0.2
E45A	Wooded Hills,	128.17	24	P	PKPdf	11 02 25.4	+0.2	S39A	Bolivar	130.47	37	P	PKPdf	11 02 29.5	-0.4	PO1	Prospect Isle	132.82	40	ePKPdf	PKPdf	11 02 34.1	-0.3
H42A	Shiocton	128.18	27	P	PKPdf	11 02 24.8	-0.5	V37A	Hulbert	130.48	40	P	PKPdf	11 02 29.6	-0.4	X40A	Basin Creek Fa	132.82	40	P	PKPdf	11 02 34.1	-0.3
L39A	Vinton	128.22	32	P	PKPdf	11 02 24.3	-1.1	N43A	Stutzman Famil	130.54	31	P	PKPdf	11 02 29.1	-0.7	Y40A	Okolona	132.83	41	P	PKPdf	11 02 34.0	-0.4
K40A	Colesburg	128.25	31	P	PKPdf	11 02 24.5	-1.0	O42A	Bath	130.60	32	P	PKPdf	11 02 29.4	-0.6	S44A	Montdale	132.84	34	P	PKPdf	11 02 34.6	+0.3
R31A	Emporia Munic	128.32	38	P	PKPdf	11 02 25.5	-0.3	U38A	Gravette	130.62	39	P	PKPdf	11 02 29.7	-0.5	V42A	Cord	132.88	38	P	PKPdf	11 02 34.0	-0.4
J45A	Loganville	128.33	29	P	PKPdf	11 02 24.8	-0.9	R40A	Males Statio	130.70	36	P	PKPdf	11 02 29.8	-0.5	139A	Union House Ranc	132.89	43	P	PKPdf	11 02 34.7	+0.1
O37A	Wolfen Farm, M	128.37	35	P	PKPdf	11 02 25.2	-0.6	W37B	Quinton	130.74	41	P	PKPdf	11 02 30.4	0.0	Q46A	CEJHS Indians,	132.90	31	P	PKPdf	11 02 34.1	-0.3
Q36A	Arnold C. Orve	128.37	37	P	PKPdf	11 02 25.0	-0.8	W37B	Quinton	130.74	41	ePKPdf	PKPdf	11 02 30.6	+0.2	UALR	University of	132.96	39	ePKPdf	PKPdf	11 02 35.0	+0.4
EFI	East Falkland	128.40	180	ePKIKP	PKPdf	11 02 25.6	+0.2	HD1L	Hopedale	130.76	31	P	PKPdf	11 02 29.6	-0.7	338A	Crockett	133.01	45	ePKPdf	PKPdf	11 02 35.4	+0.6
EFI	East Falkland	128.40	180	ePKIKP	PKPdf	11 02 25.6	+0.2	HD1L	Hopedale	130.76	31	ePKPdf	PKPdf	11 02 30.2	-0.1	LN1G	Linares	133.01	55	ePKPdf	PKPdf	11 02 35.1	+0.1
N38A	Joess South For	128.46	34	P	PKPdf	11 02 25.2	-0.8	M44A	Midewin, Midew	130.78	30	P	PKPdf	11 02 29.9	-0.5	X41A	Kaden, Bauxite	133.03	40	P	PKPdf	11 02 34.4	-0.4
H2A	Draeger Farm,	128.47	28	P	PKPdf	11 02 25.1	-0.8	Q41A	Truxton	130.84	34	P	PKPdf	11 02 30.3	-0.2	T44A	Benton	133.07	35	P	PKPdf	11 02 34.6	-0.2
T34A	McClaskey Farm	128.48	40	P	PKPdf	11 02 25.6	-0.5	T39A	Cleaver	130.87	38	P	PKPdf	11 02 30.3	-0.4	U43A	Rector	133.09	36	P	PKPdf	11 02 34.2	-0.6
JFWS	Jewell Farm	128.55	30																				





ISCJB 15 11:35:19.70.8.34:03N.0:02:6:45W.0:05:h26km,6km,  
 Error ellipse: s-maj=6.9km s-min=3.1km az=176.6  
 MDD 15 11:35:19.5:1.3,33:96N:6:39W,h1km,9km,mb3.6/3,  
 Error ellipse: s-maj=7.9km s-min=4.5km az=82.0,PRXIMO  
 CSEM 15 11:35:20.4:0.2,33:99N:6:45W,h20km,ML2.9,Error  
 ellipse: s-maj=7.3km s-min=3.5km az=88.0  
 INMG 15 11:35:21.8:1.7,33:88N:6:69W,h30km,ML2.5,Error  
 ellipse: s-maj=15.7km s-min=5.1km az=60.0  
 ISC 15 11:35:19.5:1.3,33:99N:0:02:6:42W:0:04,h15km,9km,  
 n51,r134/85,Morocco

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
RTC	Rabat Centre	0.36 270	P	11 35 26.5 -0.4	Pg
RTC	Rabat Centre	0.36 270	P	11 35 32.0 +0.1	Sg
RTC	Rabat Centre	0.36 270	P	11 35 26.5 -0.4	Pg
RTC	Rabat Centre	0.36 270	P	11 35 32.0 +0.1	Sg
KIB	El Ksiba	1.45 167	P	11 35 44.0 -1.2	Pn
KIB	El Ksiba	1.45 167	P	11 36 04.0 +0.1	Pn
KIB	El Ksiba	1.45 167	P	11 35 44.0 -1.2	Pn
KIB	El Ksiba	1.45 167	P	11 36 04.0 +0.1	Pn
TZC	Tazercounte	1.84 182	P	11 35 51.0 +0.3	Pn
TZC	Tazercounte	1.84 182	P	11 36 14.0 +0.3	Pn
TZC	Tazercounte	1.84 182	P	11 35 51.0 +0.3	Pn
TZC	Tazercounte	1.84 182	P	11 36 14.0 +0.3	Pn
ZFT	Errachidia	2.61 138	P	11 36 01.0 -0.3	Pn
ZFT	Errachidia	2.61 138	P	11 36 33.0 +0.1	Pn
ZFT	Errachidia	2.61 138	P	11 36 01.0 -0.3	Pn
ZFT	Errachidia	2.61 138	P	11 36 33.0 +0.1	Pn
EMIJ	Mijas	2.90 27	S	11 36 39.5 -0.3	Sn
EMIJ	Mijas	2.90 27	S	11 36 39.5 -0.3	Sn
ESPR	Espira	0.7nm,0.1s,SNR=7.9	P	11 36 06.2 +1.0	Pn
ESPR	Espira	0.7nm,0.1s,SNR=7.9	P	11 36 06.2 +1.0	Pn
ESPR	Espira	0.7nm,0.1s,SNR=7.9	P	11 36 06.2 +1.0	Pn
ESPR	Espira	0.7nm,0.1s,SNR=7.9	P	11 36 06.2 +1.0	Pn
OUK	Oukaimeden	3.03 204	P	11 36 08.0 +0.8	Pn
OUK	Oukaimeden	3.03 204	P	11 36 44.0 +0.6	Pn
OUK	Oukaimeden	3.03 204	P	11 36 08.0 +0.8	Pn
OUK	Oukaimeden	3.03 204	P	11 36 44.0 +0.6	Pn
CIA	Chichauoua	3.12 220	eP	11 36 09.0 +0.9	ePn
CIA	Chichauoua	3.12 220	eP	11 36 45.0 -0.1	ePn
PBDV	Barranco-do-Ve	3.47 340	ePn	11 36 15.1 +2.1	ePn
PBDV	Barranco-do-Ve	3.47 340	ePn	11 36 52.4 -1.5	ePn
PBDV	Barranco-do-Ve	3.47 340	ePn	11 36 15.1 +2.1	ePn
PBDV	Barranco-do-Ve	3.47 340	ePn	11 36 52.4 -1.5	ePn
PVAO	Vaqueiros	3.57 343	eSn	11 36 55.3 -0.8	eSn
PVAO	Vaqueiros	3.57 343	eSn	11 37 03.7	eSn
PVAO	Vaqueiros	3.57 343	eSn	11 36 55.3 -0.8	eSn
PVAO	Vaqueiros	3.57 343	eSn	11 37 03.7	eSn
EGRO	El Granado	2.3nm,0.2s,SNR=7.0	P	11 36 16.5 +1.2	Pn
EGRO	El Granado	2.3nm,0.2s,SNR=7.0	P	11 36 57.3 -0.7	Pn
EGRO	El Granado	2.3nm,0.2s,SNR=7.0	P	11 36 16.5 +1.2	Pn
EGRO	El Granado	2.3nm,0.2s,SNR=7.0	P	11 36 57.3 -0.7	Pn
PFVI	Vila Bisbo	3.70 329	eSn	11 36 58.2 -1.2	eSn
PFVI	Vila Bisbo	3.70 329	eSn	11 37 00.8 +1.4	eSn
PFVI	Vila Bisbo	3.70 329	eSn	11 36 58.2 -1.2	eSn
PFVI	Vila Bisbo	3.70 329	eSn	11 37 00.8 +1.4	eSn
EMIN	Mina Concepcio	0.8nm,0.3s,SNR=7.9	P	11 36 18.5 +1.3	Pn
EMIN	Mina Concepcio	0.8nm,0.3s,SNR=7.9	P	11 37 00.9 -0.4	Pn
EMIN	Mina Concepcio	0.8nm,0.3s,SNR=7.9	P	11 36 18.5 +1.3	Pn
EMIN	Mina Concepcio	0.8nm,0.3s,SNR=7.9	P	11 37 00.9 -0.4	Pn
PCVE	Castro Verde	3.87 341	eSn	11 37 03.5 0.0	eSn
PCVE	Castro Verde	3.87 341	eSn	11 37 03.5 0.0	eSn
PCVE	Castro Verde	3.87 341	eSn	11 37 03.5 0.0	eSn
PCVE	Castro Verde	3.87 341	eSn	11 37 03.5 0.0	eSn
PTEO	Sao Teotonio	4.01 333	eSn	11 37 06.4 -0.7	eSn
PTEO	Sao Teotonio	4.01 333	eSn	11 37 06.4 -0.7	eSn
PTEO	Sao Teotonio	4.01 333	eSn	11 37 06.4 -0.7	eSn
PTEO	Sao Teotonio	4.01 333	eSn	11 37 06.4 -0.7	eSn
ECAB	El Cabril	1.6nm,0.2s,SNR=7.9	P	11 37 09.4 -1.4	Pn
ECAB	El Cabril	1.6nm,0.2s,SNR=7.9	P	11 36 26.5 +4.1	Pn
ECAB	El Cabril	1.6nm,0.2s,SNR=7.9	P	11 37 09.4 -1.4	Pn
ECAB	El Cabril	1.6nm,0.2s,SNR=7.9	P	11 36 26.5 +4.1	Pn
PBAR	Barrancos	4.21 353	ePn	11 36 24.2 +1.1	ePn
PBAR	Barrancos	4.21 353	ePn	11 37 11.5 -0.4	ePn
PBAR	Barrancos	4.21 353	ePn	11 36 24.2 +1.1	ePn
PBAR	Barrancos	4.21 353	ePn	11 37 11.5 -0.4	ePn
EADA	Adamuz	4.43 19	P	11 36 27.7 +1.5	Pn
EADA	Adamuz	4.43 19	P	11 37 16.4 -1.1	Pn
EADA	Adamuz	4.43 19	P	11 36 27.7 +1.5	Pn
EADA	Adamuz	4.43 19	P	11 37 16.4 -1.1	Pn
PNCL	Nicolau / Gran	4.45 338	ePn	11 36 27.4 +0.9	ePn
PNCL	Nicolau / Gran	4.45 338	ePn	11 37 15.8 -2.2	ePn
PNCL	Nicolau / Gran	4.45 338	ePn	11 36 27.4 +0.9	ePn
PNCL	Nicolau / Gran	4.45 338	ePn	11 37 15.8 -2.2	ePn
EQES	Quesada	4.68 35	S	11 37 23.0 -0.7	Sn
EQES	Quesada	4.68 35	S	11 37 23.0 -0.7	Sn
EQES	Quesada	4.68 35	S	11 37 23.0 -0.7	Sn
EQES	Quesada	4.68 35	S	11 37 23.0 -0.7	Sn
EBAD	Badajoz	4.78 354	P	11 36 31.8 +0.8	Pn
EBAD	Badajoz	4.78 354	P	11 37 25.5 -0.6	Pn
EBAD	Badajoz	4.78 354	P	11 36 31.8 +0.8	Pn
EBAD	Badajoz	4.78 354	P	11 37 25.5 -0.6	Pn
PMTG	Montargil	5.27 345	ePn	11 36 37.0 -0.7	ePn
PMTG	Montargil	5.27 345	ePn	11 37 35.6 -2.6	ePn
PMTG	Montargil	5.27 345	ePn	11 36 37.0 -0.7	ePn
PMTG	Montargil	5.27 345	ePn	11 37 35.6 -2.6	ePn
PMRV	Marv??o	5.48 352	eSn	11 37 40.8 -2.6	eSn
PMRV	Marv??o	5.48 352	eSn	11 37 40.8 -2.6	eSn
PMRV	Marv??o	5.48 352	eSn	11 37 40.8 -2.6	eSn
PMRV	Marv??o	5.48 352	eSn	11 37 40.8 -2.6	eSn

ISCJB 15 11:39:37.7:1.2,37:26N.0:04:20:66E:0:06,h15km,8km,  
 Error ellipse: s-maj=9.9km s-min=4.4km az=146.6  
 CSEM 15 11:39:37.9:0.5,37:29N:0:75E,h10km,ML2.9,Error  
 ellipse: s-maj=8.4km s-min=3.7km az=55.0  
 THE 15 11:39:38.6,37:34N:20:80E,h0km,1km,ML3.1/10,Error  
 ellipse: s-maj=1.9km s-min=0.6km az=225.0  
 ATH 15 11:39:38.7,37:33N:20:84E,h2km,1km,ML2.97,Error  
 ellipse: s-maj=2.1km s-min=0.6km az=61.0  
 ISC 15 11:39:38.3:1.3,37:32N:0:03:20:77E:0:04,h9km,9km,  
 n59,r068/96,Ionian Sea

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
MES3	Kyparissia	0.72 95	P	11 39 52.4 +0.2	Pg
MES3	Kyparissia	0.72 95	P	11 40 04.0 +1.0	Pg
MES3	Kyparissia	0.72 95	P	11 39 52.4 +0.2	Pg
MES3	Kyparissia	0.72 95	P	11 40 04.0 +1.0	Pg
AMT	Artemida-Makis	0.78 73	S	11 39 52.5 +0.3	Sg
AMT	Artemida-Makis	0.78 73	S	11 39 52.4 +0.1	Sg
AMT	Artemida-Makis	0.78 73	S	11 39 52.5 +0.3	Sg
AMT	Artemida-Makis	0.78 73	S	11 39 52.4 +0.1	Sg

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
AMT	comp=N,4086μm,0.4s		AML	11 40 07.7	AML
AMT	comp=N,4086μm,0.4s		AML	11 40 09.4	AML
AMT	Artemida-Makis	0.78 73	P	11 39 53.4 +0.1	Pg
AMT	Artemida-Makis	0.78 73	P	11 40 04.0 -0.7	Pg
AMT	Artemida-Makis	0.78 73	P	11 39 53.2 0.0	Pg
AMT	Artemida-Makis	0.78 73	P	11 40 04.0 -0.7	Pg
VLS	Valsamata	0.87 351	S	11 39 55.2 +0.1	Sg
VLS	Valsamata	0.87 351	S	11 40 08.7 -0.9	Sg
VLS	comp=E,3405μm,0.2s		AML	11 40 09.2	AML
VLS	comp=N,2154μm,0.4s		AML	11 40 13.5	AML
VLS	Valsamata	0.87 351	P	11 39 55.0 -0.1	Pg
VLS	Valsamata	0.87 351	P	11 40 08.6 -1.0	Pg
VLS	Valsamata	0.87 351	P	11 39 55.0 -0.1	Pg
VLS	Valsamata	0.87 351	P	11 40 08.6 -1.0	Pg
VLS	comp=E,3405μm,0.2s		AML	11 40 09.3	AML
VLS	Valsamata	0.87 351	P	11 39 55.0 -0.1	Pg
VLS	Valsamata	0.87 351	P	11 40 06.7 +0.2	Pg
VLS	Valsamata	0.87 351	P	11 39 55.2 +0.1	Pg
VLS	Valsamata	0.87 351	P	11 40 06.7 +0.2	Pg
VLS	Valsamata	0.87 351	P	11 39 55.2 +0.1	Pg
PYLOS	PYLOS	0.88 118	S	11 39 54.9 -0.4	Sg
PYLOS	PYLOS	0.88 118	S	11 40 07.3 +0.2	Sg
PYLOS	PYLOS	0.88 118	S	11 39 54.9 -0.4	Sg
PYLOS	PYLOS	0.88 118	S	11 40 07.3 +0.2	Sg
PYLOS	comp=N,948μm,0.3s		AML	11 40 09.2	AML
PYLOS	comp=E,1263μm,0.3s		AML	11 40 09.3	AML
PYLOS	PYLOS	0.88 118	P	11 39 54.8 -0.4	Pg
PYLOS	PYLOS	0.88 118	P	11 40 07.0 +0.3	Pg
PYLOS	comp=N,939μm,0.3s		AML	11 40 09.2	AML
PYLOS	PYLOS	0.88 118	P	11 39 55.0 -0.2	Pg
PYLOS	PYLOS	0.88 118	P	11 40 07.0 +0.3	Pg
PYLOS	PYLOS	0.88 118	P	11 39 55.0 -0.2	Pg
PYLOS	PYLOS	0.88 118	P	11 40 07.0 +0.3	Pg
METHONI	Methoni	0.89 123	S	11 40 08.2 +0.6	Sg
METHONI	Methoni	0.89 123	S	11 40 08.8 +0.9	Sg
METHONI	Methoni	0.89 123	S	11 40 08.2 +0.6	Sg
METHONI	Methoni	0.89 123	S	11 40 08.8 +0.9	Sg
METHONI	comp=N,1053μm,0.5s		AML	11 40 13.7	AML
METHONI	comp=E,817μm,0.5s		AML	11 40 16.1	AML
METHONI	Methoni	0.89 123	P	11 39 55.4 -0.1	Pg
METHONI	Methoni	0.89 123	P	11 40 07.3 +0.2	Pg
METHONI	Methoni	0.89 123	P	11 39 55.4 -0.1	Pg
METHONI	Methoni	0.89 123	P	11 40 07.3 +0.2	Pg
METHONI	comp=E,1080μm,0.5s		AML	11 40 11.3	AML
METHONI	comp=N,1142μm,0.6s		AML	11 40 12.4	AML
METHONI	Methoni	0.89 123	P	11 39 55.4 -0.1	Pg
METHONI	Methoni	0.89 123	P	11 40 07.3 +0.2	Pg
METHONI	Methoni	0.89 123	P	11 39 55.4 -0.1	Pg
METHONI	Methoni	0.89 123	P	11 40 07.3 +0.2	Pg
RIOLIOS	Riolos of Patr	0.92 36	P	11 40 08.5 -0.4	Pg
RIOLIOS	Riolos of Patr	0.92 36	P	11 40 13.8	Pg
RIOLIOS	Riolos of Patr	0.92 36	P	11 40 08.5 -0.4	Pg
RIOLIOS	Riolos of Patr	0.92 36	P	11 40 13.8	Pg
RIOLIOS	comp=N,833μm,0.4s		AML	11 40 14.6	AML
RIOLIOS	comp=E,727μm,0.4s		AML	11 40 16.6	AML
RIOLIOS	Riolos of Patr	0.92 36	P	11 39 55.4 -0.6	Pg
RIOLIOS	Riolos of Patr	0.92 36	P	11 40 08.8 -0.1	Pg
RIOLIOS	Riolos of Patr	0.92 36	P	11 39 55.4 -0.6	Pg
RIOLIOS	Riolos of Patr	0.92 36	P	11 40 08.8 -0.1	Pg
ITHOMI	Ithomi	0.93 98	P	11 39 55.7 -0.7	Pg
ITHOMI	Ithomi	0.93 98	P	11 40 10.2 -0.8	Pg
ITHOMI	Ithomi	0.93 98	P	11 39 55.7 -0.7	Pg
ITHOMI	Ithomi	0.93 98	P	11 40 10.2 -0.8	Pg
ITHOMI	comp=N,1083μm,0.4s		AML	11 40 14.4	AML
ITHOMI	comp=N,1083μm,0.4s		AML	11 40 16.8	AML
ITHOMI	Ithomi	0.93 98	P	11 39 55.3 -0.9	Pg
ITHOMI	Ithomi	0.93 98	P	11 40 09.0 -0.1	Pg
ITHOMI	Ithomi	0.93 98	P	11 39 55.3 -0.9	Pg
ITHOMI	Ithomi	0.93 98	P	11 40 09.0 -0.1	Pg
ITHOMI	comp=N,1083μm,0.4s		AML	11 40 16.8	AML
ITHOMI	comp=E,1130μm,0.4s		AML	11 40 18.2	AML
ITHOMI	Ithomi	0.93 98	P	11 39 55.5 -0.7	Pg
ITHOMI	Ithomi	0.93 98	P	11 40 09.0 -0.1	Pg
ITHOMI	Ithomi	0.93 98	P	11 39 55.5 -0.7	Pg
ITHOMI	Ithomi	0.93 98	P	11 40 09.0 -0.1	Pg
ITHOMI	comp=N,1083μm,0.4s		AML	11 40 16.8	AML
ITHOMI	comp=E,1130μm,0.4s		AML		



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Chiawan, HATJ, NNS, NSK, ESL, etc.

DDA 15 13:22:50.0, 38.64N, 43.18E, h0km, ML3.6
ISK 15 13:22:50.2, 38.65N, 43.17E, h7km, ML3.4
TEH 15 13:22:51.6, 38.68N, 43.06E, h10km, ML3.1

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

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

IDC 15 13:42:26.5, 3.0, 5.89S, 151.66E, h0km, mb3.9/3.
mb1 4.1/4, mb1mx3.6/3.3, mbtmp4.0/4, ML2.1, Error
ellipse: s-maj=97.4km s-min=41.0km az=130.0, New
Britain region

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

IDC 15 13:46:00.7, 1.5, 36.83N, 140.80E, h0km, mb3.2/2.
mb1 3.4/4, mb1mx3.2/4.0, mbtmp3.3/4, ML2.9/2, Error
ellipse: s-maj=28.7km s-min=21.0km az=112.0

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

CSEM 15 13:54:47.4, 0.3, 38.68N, 43.64E, h2km, ML2.5, Error
ellipse: s-maj=6.8km s-min=4.4km az=105.0
DDA 15 13:54:47.1, 38.68N, 43.61E, h7km, ML2.8

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

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

NNC 15 13:57:03.1, 1.6, 43.01N, 79.57E, h0km, mb3.0, mpv2.9,
Error ellipse: s-maj=1.2km s-min=7.0km az=130.0
SOME 15 13:57:04.5, 43.08N, 79.48E, h15km
KRNET 15 13:57:04.0, 43.02N, 79.51E, mb2.9

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

MAN 15 14:00:14, 10.05N, 125.45E, h32km, mb4.2, ML3.1, MS2.8,
1C, Leyte

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

NIED 15 14:03:00, 34.70N, 142.70E, h5km, Mw3.8 Best double
couple: M6.64000x10^14 NP1.3x32.00000, d27.00000,
lambda=83.00000, NP2.3x204.00000, d63.00000,
lambda=93.00000

IDC 15 14:03:38.5, 0.6, 34.74N, 142.66E, h10km,
mb3.9/1.1, Error ellipse: s-maj=8.1km s-min=6.1km
az=28.4

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BSO1, CHOU, BSO3, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like JRY Ryogami san, JFT Otama, MJAR Matsushiro Arr, etc.

Table with columns: AMT, AML, AML, Time Res, Res. Includes stations like AMT comp=N,1329um,0.4s, AMT Artemida-Makis, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like FASANO Fasano, SG1 Sgolgoro (BA), DRME Dracevica, Mon, etc.

NIED 15 14:06:00.38:60N:142:20E, h32km, Mw3.8 Best double couple: M=5.92000x10^14 NP1=42.00000, delta3.00000, lambda.164.00000, NP2=144.00000, delta79.00000, lambda.8.00000, JMA 15 14:06:19.3:0.1, 38:60N:142:16E, h55km, 1km, M3.7

Table with columns: AMT, AML, AML, Time Res, Res. Includes stations like ITM Ithomi, ITM Ithomi, ITM Ithomi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like TORI Tori Arr, ARCES ARCESS Array B, BVAR Borovoye Array, etc.

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

Table with columns: AMT, AML, AML, Time Res, Res. Includes stations like LK2 Lefkada island, LK2 Lefkada island, LK2 Lefkada island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like TORI Tori Arr, ARCES ARCESS Array B, BVAR Borovoye Array, etc.

ISCJB 15 14:02:8.0:6.3:764N:0:03:20:72E:0.0:3, h12km, 4km, mb3.7/10, Error ellipse: s-maj=5.6km s-min=0.3km az=42.6 CSEM 15 14:03:0.3:0.2:37:64N:20:80E, h10km, ML3.4, Error ellipse: s-maj=5.0km s-min=2.7km az=30.0

Table with columns: AMT, AML, AML, Time Res, Res. Includes stations like LK2 Lefkada island, LK2 Lefkada island, LK2 Lefkada island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like TORI Tori Arr, ARCES ARCESS Array B, BVAR Borovoye Array, etc.

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

Table with columns: AMT, AML, AML, Time Res, Res. Includes stations like LK2 Lefkada island, LK2 Lefkada island, LK2 Lefkada island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like TORI Tori Arr, ARCES ARCESS Array B, BVAR Borovoye Array, etc.

ISC 15 14:39:05.0:3:89N:43:47E, h5km, ML 1.9 Error ellipse: s-maj=7.3km s-min=4.8km az=15.3 CSEM 15 14:39:06.1:0.3:38:89N:43:49E, h10km, ML2.5, Error ellipse: s-maj=6.9km s-min=4.8km az=100.0

DDA 15 14:39:06.4, 38.89N, 43.52E, h7km, ML2.5
ISC 15 14:39:06.2, 1.0, 38.89N, 0.02, 43.50E, 0.03, h11km, 7km, n16, c0563/31, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VMUR Van-Muradiye, VANB Van, TVAN Van, etc.

ISCJB 15 14:44:20.0, 8.2, 27.86S, 0.08, 179.6W, 0.1, h450km, mb3.7/4, Error ellipse: s-maj=18.4km s-min=6.4km az=24.2

IDC 15 14:44:20.8, 2.2, 27.83S, 179.71W, h430km, mb3.4/4, mb1 3.6/7, mb1mx3.3/20, mbtmp4.5/7, Error ellipse: s-maj=32.3km s-min=20.6km az=128.0

ISC 15 14:44:21.4, 1.0, 27.83S, 179.77W, 0.1, h450km, n9, c2518/13, mb3.9/4, Kermadec Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like URZ Urewera, DZM Mont Dzumac, AFI Afiamalu, etc.

ISCJB 15 14:51:59.8, 1.2, 14.28S, 0.2, 72.2W, 0.2, h114km, mb3.4/3, Error ellipse: s-maj=30.3km s-min=21.0km az=41.9

IDC 15 14:51:59.4, 4.8, 14.28S, 72.30W, h87km, mb3.4/3, mb1 3.5/4, mb1mx3.4/20, mbtmp3.6/4, MS3.5, Ms1 3.3/5, ms1mx3.2/12, Error ellipse: s-maj=41.8km s-min=31.5km az=78.0

ISC 15 14:52:01.8, 1.0, 14.9S, 0.2, 72.1W, 0.2, h114km, n11, c01818/8, mb3.4/3, Central Peru

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LPAZ La Paz, CPUP Villa Florida, ROSC El Rosal, etc.

IDC 15 14:57:25.0, 2.2, 3.61N, 128.09E, h0km, mb3.3/4, mb1 3.5/4, mb1mx3.3/39, mbtmp3.4/4, MS3.1/1, Ms1 3.1/1, ms1mx2.4/21, Error ellipse: s-maj=129.7km s-min=24.1km az=7

ISCJB 15 14:57:34.3, 1.3, 3.69N, 0.09, 128.37E, 0.09, h100km, mb3.2/4, Error ellipse: s-maj=15.1km s-min=10.1km az=136.3

DJA 15 14:57:45.9, 1.2, 3.1N, 6.12E, h144km, MB3.9/5, mB4.8/1, mb3.9/2, MLV3.8/5, Mw(mB)4.0/1

ISC 15 14:57:37.0, 1.6, 3.50N, 0.10, 128.3E, 0.1, h100km, n8, c2587/10, mb3.1/4, North of Halmahera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SGBS Sangihe, LBMI Labuha, SANI Sanana, etc.

ISCJB 15 15:02:15.9, 1.4, 43.51N, 0.09, 147.0E, 0.1, h39km, 19km, Error ellipse: s-maj=19.6km s-min=7.2km az=139.5

SKHL 15 15:02:17.0, 1.0, 43.54N, 146.96E, h29km, mb4.3/3, JMA 15 15:02:17.0, 0.4, 43.53N, 146.94E, h33km, 3km, M3.3

ISC 15 15:02:16.2, 2.4, 43.5N, 0.1, 146.97E, 0.10, h34km, 3km, n10, c0590/15, IC, Kuril Islands

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SHO, NEM2 Nemuro 2, YUK Yuzhi-Kuril'sk, etc.

ISK 15 15:17:59.1, 38.66N, 43.68E, h29km, ML1.8
ISCJB 15 15:18:00.9, 0.9, 38.74N, 0.04, 43.63E, 0.07, h25km, 6km, Error ellipse: s-maj=9.3km s-min=5.2km az=23.0

CSEM 15 15:18:00.3, 0.3, 38.74N, 43.63E, h20km, ML2.5, Error ellipse: s-maj=8.5km s-min=5.1km az=111.0

DDA 15 15:18:00.3, 38.78N, 43.64E, h7km, ML2.5
ISC 15 15:18:01.0, 1.0, 38.75N, 0.03, 43.59E, 0.04, h17km, 8km, n18, c0589/33, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VANB Van, VMUR Van-Muradiye, TVAN Van, etc.

ISCJB 15 15:18:18.0, 0.7, 43.86N, 0.03, 8.55E, 0.04, h13km, 4km, Error ellipse: s-maj=5.1km s-min=3.7km az=144.1

CSEM 15 15:18:18.0, 0.2, 43.85N, 8.59E, h10km, ML2.7/13, Error ellipse: s-maj=3.8km s-min=3.4km az=150.0

LDG 15 15:18:19.8, 0.2, 43.88N, 8.58E, h10km, MD2.5, ML2.5/8, Error ellipse: s-maj=3.3km s-min=2.6km az=70.0

ROM 15 15:18:20.9, 0.4, 43.96N, 8.55E, h8km, 2km, M2.1/8, ML2.0/7, Error ellipse: s-maj=3.7km s-min=2.4km az=135.0

GEN 15 15:18:20.1, 43.91N, 8.59E, h3km, ML1.9
ISC 15 15:18:17.1, 1.2, 43.90N, 0.03, 8.68E, 0.03, h18km, 3km, n42, c1057/78, Corsica

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like FINB Finale Ligure, QLNQ Quiliano, RORO Rocca Rossa, etc.

ISCJB 15 15:20:20.3, 38.58N, 43.15E, h14km, MD2.7
CSEM 15 15:20:21.4, 0.3, 38.62N, 43.19E, h10km, MD2.7, Error ellipse: s-maj=6.3km s-min=4.9km az=80.0

DDA 15 15:20:21.9, 38.63N, 43.19E, h7km, ML2.8
ISCJB 15 15:20:22.0, 0.9, 38.59N, 0.04, 43.23E, 0.05, h21km, 10km, Error ellipse: s-maj=7.2km s-min=5.7km az=26.0

ISC 15 15:20:22.1, 1.0, 38.63N, 0.03, 43.20E, 0.03, h12km, 7km, n18, c0587/35, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VANB Van, VMUR Van, TVAN Van, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PGF, FRF, LMR, LPL, SMRF, etc.

SJA 15 15:18:32.6, 1.0, 24.04S, 67.56W, h196km, 18km, ML2.8, MW3.1

ISCJB 15 15:18:33.4, 0.5, 24.08S, 0.03, 67.69W, 0.04, h169km, 8km, mb4.0/1, Error ellipse: s-maj=6.3km s-min=5.4km az=165.2

IDC 15 15:18:33.2, 4.5, 24.15S, 67.48W, h136km, 39km, mb3.8/2, mb1 3.9/5, mb1mx3.5/27, mbtmp4.3/5, Error ellipse: s-maj=61.8km s-min=22.7km az=170.0

GUC 15 15:18:35.4, 0.5, 24.10S, 67.80W, h149km, 13km, ML4.1
ISC 15 15:18:34.1, 0.8, 24.04S, 0.04, 67.59W, 0.05, h156km, 9km, n27, c181/39, 4C-2D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LVC, LVA, SLA, HJA, HFA, etc.

ISCJB 15 15:20:20.3, 38.58N, 43.15E, h14km, MD2.7
CSEM 15 15:20:21.4, 0.3, 38.62N, 43.19E, h10km, MD2.7, Error ellipse: s-maj=6.3km s-min=4.9km az=80.0

DDA 15 15:20:21.9, 38.63N, 43.19E, h7km, ML2.8
ISCJB 15 15:20:22.0, 0.9, 38.59N, 0.04, 43.23E, 0.05, h21km, 10km, Error ellipse: s-maj=7.2km s-min=5.7km az=26.0

ISC 15 15:20:22.1, 1.0, 38.63N, 0.03, 43.20E, 0.03, h12km, 7km, n18, c0587/35, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VANB Van, VMUR Van, TVAN Van, etc.

ISCJB 15 15:20:20.3, 38.58N, 43.15E, h14km, MD2.7
CSEM 15 15:20:21.4, 0.3, 38.62N, 43.19E, h10km, MD2.7, Error ellipse: s-maj=6.3km s-min=4.9km az=80.0

DDA 15 15:20:21.9, 38.63N, 43.19E, h7km, ML2.8
ISCJB 15 15:20:22.0, 0.9, 38.59N, 0.04, 43.23E, 0.05, h21km, 10km, Error ellipse: s-maj=7.2km s-min=5.7km az=26.0

ISC 15 15:20:22.1, 1.0, 38.63N, 0.03, 43.20E, 0.03, h12km, 7km, n18, c0587/35, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VANB Van, VMUR Van, TVAN Van, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include AFI Afiamalu, AFI 26m,0.3s, AFI comp=Z,46m,18.9s, WRA Warrungama Arr, ASAR Alice Springs, MJAR Matsushiro Arr, BRTR Keskin Array B.

MAN 15 17:05:07,7.98N;126.19E,h40km,mb3.8,ML2.6,MS2.1, 1C, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include BIPH Bistig, BIPH Musuan, BUTP Butuan.

DJA 15 17:15:35.8,0.4,1°S,3°12'E, h10km,M3.6/6,mB4.6/1, MLV3.6/6,Mw(mB)3.8/1, Southern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include LBMI Labuha, SANI Sanana, NLAJ Namlea, LUWI Luwuk, APSI Ampana.

IDC 15 17:16:49.4,2.1,0°19'S,128°72'E,h0km,mb3.2/3, mb1 3.5/3,mb1mx3.2/41,mbmp3.3/3, Error ellipse: s-maj=142.0km s-min=26.5km az=68.0

ISCJB 15 17:16:53.8,0.8,0.9,2S;0.06,126.78E;0.06,h10km, mb3.4/2, Error ellipse: s-maj=10.7km s-min=6.1km az=140.7

DJA 15 17:16:55.7,0.4,1°S,3°12'E, h10km,M3.9/6,mB4.9/1, mb4.4/1,MLV3.6/6,Mw(mB)4.1/1

ISC 15 17:16:54.4,1.0,0.96S;0.07,126.78E;0.06,h10km,n9, c154/12, Southern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include LBMI Labuha, SANI Sanana, NLAJ Namlea, AAI Ambon, MSAI Masohi, APSI Ampana, WRA Warrungama Arr, ASAR Alice Springs, MKAR Makanchi Array.

NIED 15 17:24:00,37°30'N,141°70'E,h5km,Mw4.0 Best double couple: M1\_290000,1015;NF1;0.400000,0.41,000000, 1-99,000000, NP2;0.219,000000,0.49,000000,

ISCJB 15 17:24:56.9,0.9,37°27'N;0°03:141°72'E;0.05,h20km,5km, mb4.4/29,MS3.4/8, Error ellipse: s-maj=6.8km s-min=4.3km az=12.1

IDC 15 17:24:56.8,0.7,37°26'N;141°50'E,h0km,mb4.0/14, mb1 4.0/18,mb1mx3.9/40,mbmp3.9/18,ML3.3/4,MS3.4/10, MS1 3.4/10,ms1mx3.1/34, Error ellipse: s-maj=18.5km s-min=14.1km az=115.0

JMA 15 17:24:57.9,0.2,37°29'N;141°66'E,h30km,3km,M4.3 JMA Feit 1 J1

NEIC 15 17:25:00.8,2.2,37°30'N;141°55'E,h30km,15km,mb4.8/17, Error ellipse: s-maj=8.0km s-min=6.1km az=97.0

NEIC Recorded [1 JMA] in Fukushima

ISC 15 17:24:57.3,1.7,37°30'N;0°03:141°62'E;0.05,h8km,10km, n73,c0967/6,mb4.5/29,MS3.4/8,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include JFK Kawachi, ONAJ Iwakimizuishiy, JMM Marumori, JMT Otama, JHO Hitachi, JIO Ouri, JOU Okura, JFU Yanaizu, JYS Shirataka, JMS Ichinoseki, JMK Matsushiro, MJAR Matsushiro, MAJO Matsushiro, MAT Matsushiro, MJB9 Matsu-Tunnel, INU Inuyama, JHU Mitsune, JHJ Hachioji jima 2, JHU 14nm,0.3s, ASAJ Ashikawa, USRK Ussuriysk Arr, KSRS Korea Array, KSRS comp=Z,112nm,20.6s, KS15 Wonju Array Si, KSAR Wonju Array Be, KLR Kul dur, JOW Kunigami, TWG Pinlang, YAK Yakutsk, YAK Yakutsk, SONAT Songoing Array, SONAO Songoing Array, SONM Songoing Array, SONM comp=Z,66nm,18.0s, H1N12 WAKE ISLAND Hy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include H1N11 WAKE ISLAND Hy, H1N13 WAKE ISLAND Hy, H1S11 WAKE ISLAND Hy, H1S13 WAKE ISLAND Hy, H1S12 WAKE ISLAND Hy, CMAR Chiang Mai Arr, CM01 Chiang Mai Arr, ZAAO Zalesovo Array, ZAA1 Zalesovo Array, ZALV Zalesovo Beam, ZALV comp=Z,24nm,19.8s, ZALV comp=Z,48nm,18.1s, ZALV comp=Z,24nm,19.8s, ZALV comp=Z,24nm,19.8s, MK01 Makanchi Array, MK02 Makanchi Array, MK03 Makanchi Array, MKAR Makanchi Array, MKAR comp=Z,46nm,18.3s, MAK2 Makanchi Array, SVW2 Sparrevohn, KURK Kurchatov, KDAK Kodiak Island, SUA Susitna One, ILAR Eielson Array, ARU Kararay Array, ARU Arti, HPAH Hawaii Prepar, WB2 Warrungama Arr, WRA Warrungama Arr, WR1 Warrungama Arr, WC3 Warrungama Arr, ABKAR Abkutak array, AS01 Alice Springs, ASAR Alice Springs, GEYT Alibek, AFI Afiamalu, FIA FINESSE Array, FINES FINESSE Array, NB02 NORSAR Array, NB0A NORSAR Array, NOA comp=Z,22nm,18.6s, AKASG Malin Array Be, AKASG 0.8nm,0.5s, PDAR Pinedale Array, GERES GERES Array B, ISCJB 15 17:41:42.8,0.5,24°57'S;0°03:179°78'E;0.03,h502km,6km, mb4.6/128, Error ellipse: s-maj=5.7km s-min=4.5km az=146.6, IDC 15 17:41:43.5,0.5,24°54'S;179°30'E,h508km,5km,mb3.9/20, mb1 4.0/23,mb1mx3.9/35,mbmp4.8/23, Error ellipse: s-maj=1.2km s-min=8.8km az=7.0, NEIC 15 17:41:43.9,0.4,24°60'S;179°85'E,h509km,5km, mb4.7/113, Error ellipse: s-maj=5.4km s-min=4.2km az=139.0, BUJ 15 17:41:44.4,24°50'S;179°90'E,h511km,mb4.6/15, mB5.1/10, ISC 15 17:41:43.8,0.4,24°57'S;0°05:179°90'E;0.05,h509km,4km, h511km,p-P,n281,c1931/322,mb4.5/128,14C-6D, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include RAO Raoul Island, MSVF Nonnavu, OUM Omahuta, DZM Mont Dumac, DZM Matukoa Point, AFI Afiamalu, AFI 4.7nm,0.3s, AFI Afiamalu, URJ Urewera, URZ Urewera, URZ Hawaii, BKZ Black Stump Fm, FUNA Funafuti, BFZ Birch Farm, SNZO South Karori, THZ Tophouse, KHZ Katara, RAR Rarotonga, RAR Rarotonga, LTZ Lake Taylor, OXZ Oxford, MOX McQueen's Vall, RPZ Rata Peaks, RPZ Rata Peaks, FOF Foz Glacier, LBZ Lake Benmore, ODZ Otahua Downs, WKZ Wanaika, MLZ Mavora Lakes, HNR Honiara, HNR Honiara, ARMA Armidale, EIDS Eidsvold, TARA Tarawa, CAN Canberra, PPT2 Papeete2, PPT Papeete, TIAR Tiarai, CTAR Charters Tower, CTA Charters Tower, PMOR Pomariorio Rec, TAU Tasmania Univ, RABL Rabaul, STKA Stephens Creek, STKA Stephens Creek, PMG Port Moresby, COEN Coenen, PABS Pohnpai, B000 Buckleboe, AS01 Alice Springs, AS01 Alice Springs, AS31 Alice Springs, AS31 Alice Springs, ASAR Alice Springs, ASAR 3.9nm,0.4s, ASAR 3.9nm,0.6s, ASAR 0.6nm,0.5s, ASAR 1.3nm,0.8s, WB2 Warrungama Arr, WRAB Tennant Creek, WR1 Warrungama Arr, WR1 Warrungama Arr, WRA Warrungama Arr, WRA 0.5nm,0.3s, WRA 0.2nm,0.9s, WAKE Wake Island, FORT Forrest, MTN Mantion Dam, HLK Halekati, FAKI Fak Fak, GUMO Guam, WRA Warrungama Arr, SBA Scott Base, VVDA Vanda, SWEI Soe, NAO Naroing (SRO), MBWA Marble Bar, MMRI Maurea, LUWI Luwuk, JAGI Jajag, GSPA South Pole Qui, KKM Kota Kinabalu, JOW Kunigami, MJAR Matsushiro Arr, MAJO Matsushiro, MJB9 Matsu-Tunnel, JNU Natsukes, JNU Natsukes, ADK Adak, MAW Mawson, MAW Mawson, KSRS Korea Array, YSS Yuzh Sakhalins, KS15 Wonju Array Si, KSAR Wonju Array Be, PEAB8 Petropavlovsk, PETK Petropavlovsk, PETK Petropavlovsk, NJ2 Nanjing, USRK Ussuriysk Arr, IPM Ipo, SYO Syowa Base, SYO Syowa Base, CHGN Chignik, MDJ Mudnjanj, MDJ comp=Z,10.0nm,1.4s, PSI Prapat, CHFC Chiao Flat St, KMRH Mt Ridge, MURC Murietta, SLBS Sierra La Lagu, BFSC Mount Baldy Ra, SRIG Santa Rosalia, MONP Monument Peak, EDW2 Edwards Air Fo

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include ARMA Armidale, EIDS Eidsvold, TARA Tarawa, CAN Canberra, PPT2 Papeete2, PPT Papeete, TIAR Tiarai, CTAR Charters Tower, CTA Charters Tower, PMOR Pomariorio Rec, TAU Tasmania Univ, RABL Rabaul, STKA Stephens Creek, STKA Stephens Creek, PMG Port Moresby, COEN Coenen, PABS Pohnpai, B000 Buckleboe, AS01 Alice Springs, AS01 Alice Springs, AS31 Alice Springs, AS31 Alice Springs, ASAR Alice Springs, ASAR 3.9nm,0.4s, ASAR 3.9nm,0.6s, ASAR 0.6nm,0.5s, ASAR 1.3nm,0.8s, WB2 Warrungama Arr, WRAB Tennant Creek, WR1 Warrungama Arr, WR1 Warrungama Arr, WRA Warrungama Arr, WRA 0.5nm,0.3s, WRA 0.2nm,0.9s, WAKE Wake Island, FORT Forrest, MTN Mantion Dam, HLK Halekati, FAKI Fak Fak, GUMO Guam, WRA Warrungama Arr, SBA Scott Base, VVDA Vanda, SWEI Soe, NAO Naroing (SRO), MBWA Marble Bar, MMRI Maurea, LUWI Luwuk, JAGI Jajag, GSPA South Pole Qui, KKM Kota Kinabalu, JOW Kunigami, MJAR Matsushiro Arr, MAJO Matsushiro, MJB9 Matsu-Tunnel, JNU Natsukes, JNU Natsukes, ADK Adak, MAW Mawson, MAW Mawson, KSRS Korea Array, YSS Yuzh Sakhalins, KS15 Wonju Array Si, KSAR Wonju Array Be, PEAB8 Petropavlovsk, PETK Petropavlovsk, PETK Petropavlovsk, NJ2 Nanjing, USRK Ussuriysk Arr, IPM Ipo, SYO Syowa Base, SYO Syowa Base, CHGN Chignik, MDJ Mudnjanj, MDJ comp=Z,10.0nm,1.4s, PSI Prapat, CHFC Chiao Flat St, KMRH Mt Ridge, MURC Murietta, SLBS Sierra La Lagu, BFSC Mount Baldy Ra, SRIG Santa Rosalia, MONP Monument Peak, EDW2 Edwards Air Fo



Table with columns: ICP, In-Ko-Pah, Jac, 83.41, 50, P, P, 17 53 18.9 +1.4, XAN, comp=Z,7.0nm,1.0s, pmax, pmax

Table with columns: XAN, comp=Z,7.0nm,1.0s, pmax, pmax, B05A, comp=Z,49nm,4.1s, 89.16, 35, P, P, 17 53 45.7 +1.2

Table with columns: PRU, Buzias, 152.65, 326, /JP, epPKP, pPKPab, 18 02 47.4 -1.0

CSEM 15 17:45:11.5, 38'22N-26'67W, h1km, ML2.7, PDA 15 17:45:11.5, 1.0, 38'22N-26'67W, h1km, s=1.0, m=1.0, MB3.6, ML2.7, 2D, Error ellipse: s-maj=7.6km s-min=1.9km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ADH, Angra Heroismo, 0.62, 315, Op, ISC, h, m, s, ISC

ISC/JB 15 17:47:17.0-0.7, 1'16S; 0'05E-127'00E-0'06, h10km, mb3.7/2, MSK 3/1, Error ellipse: s-maj=9.5km s-min=5.7km az=42.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, VMUR, Van-Muradiye, 0.18, 2, P, Op, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like EKAR, TASS, EATA, etc.

IDC 15 17:52:12.1±2.6, 0.79S; 127.54E, h0km, mb3.0/3, mb1 3.3/3, mb1mx3.1/39, mbtmp3.1/3, MS2.8/1, Ms1 2.8/1, ms1mx2.6/10, Error ellipse: s-maj=245.9km s-min=25.9km az=67.0

DJA 15 17:52:14.9, 0.9, 1 S; 5.12 E, h17km, m11km, M3.8/9, mb5.0/2, mb3.8/4, MLV3.8/9, MW(mB)4.3/2

ISCBJ 15 17:52:15.1±0.6, 0.91S; 0.05±126.81E:0.04, h34km, mb3.1/2, MS2.7/1, Error ellipse: s-maj=7.9km s-min=5.4km az=165.7

ISC 15 17:52:16.9±1.0, 0.92S; 0.07±126.85E:0.05, h34km, n15, α1504/18, Southern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LBMI, SANI, NLANI, etc.

IDC 15 18:13:34.1±6.0, 8.26S; 159.16E, h50km, g66km, mb3.3/3, mb1 3.5/3, mb1mx3.1/28, mbtmp3.6/3, Error ellipse: s-maj=42.8km s-min=41.2km az=128.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR, WRA, H11S3, etc.

MDD 15 18:15:37.2±1.8, 37.32N; 143.06W, h70km, 116km, mb4.3/11, Error ellipse: s-maj=18.3km s-min=14.3km az=84.0, PRRXIMO

IGIL 15 18:15:37.3, 37.45N; 13.82W, h2km, ML2.6, INMG 15 18:15:38.7, 1.3, 37.21N; 14.16W, h10km, ML2.8, Error ellipse: s-maj=6.6km s-min=5.2km az=81.0

CSEM 15 18:15:41.2±0.3, 37.50N; 13.61W, h30km, ML3.6/4, Error ellipse: s-maj=6.2km s-min=4.9km az=42.0

ISC 15 18:15:35.8±3.3, 37.43N; 0.08±13.8W:0.2, h10km, n106, α1579/195, Azores-Cape St. Vincent Ridge

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

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

IDC 15 18:13:34.1±6.0, 8.26S; 159.16E, h50km, g66km, mb3.3/3, mb1 3.5/3, mb1mx3.1/28, mbtmp3.6/3, Error ellipse: s-maj=42.8km s-min=41.2km az=128.0

Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR, WRA, H11S3, etc.

MDD 15 18:15:37.2±1.8, 37.32N; 143.06W, h70km, 116km, mb4.3/11, Error ellipse: s-maj=18.3km s-min=14.3km az=84.0, PRRXIMO

IGIL 15 18:15:37.3, 37.45N; 13.82W, h2km, ML2.6, INMG 15 18:15:38.7, 1.3, 37.21N; 14.16W, h10km, ML2.8, Error ellipse: s-maj=6.6km s-min=5.2km az=81.0

CSEM 15 18:15:41.2±0.3, 37.50N; 13.61W, h30km, ML3.6/4, Error ellipse: s-maj=6.2km s-min=4.9km az=42.0

ISC 15 18:15:35.8±3.3, 37.43N; 0.08±13.8W:0.2, h10km, n106, α1579/195, Azores-Cape St. Vincent Ridge

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

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

IDC 15 18:13:34.1±6.0, 8.26S; 159.16E, h50km, g66km, mb3.3/3, mb1 3.5/3, mb1mx3.1/28, mbtmp3.6/3, Error ellipse: s-maj=42.8km s-min=41.2km az=128.0

Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR, WRA, H11S3, etc.

MDD 15 18:15:37.2±1.8, 37.32N; 143.06W, h70km, 116km, mb4.3/11, Error ellipse: s-maj=18.3km s-min=14.3km az=84.0, PRRXIMO

IGIL 15 18:15:37.3, 37.45N; 13.82W, h2km, ML2.6, INMG 15 18:15:38.7, 1.3, 37.21N; 14.16W, h10km, ML2.8, Error ellipse: s-maj=6.6km s-min=5.2km az=81.0

CSEM 15 18:15:41.2±0.3, 37.50N; 13.61W, h30km, ML3.6/4, Error ellipse: s-maj=6.2km s-min=4.9km az=42.0

ISC 15 18:15:35.8±3.3, 37.43N; 0.08±13.8W:0.2, h10km, n106, α1579/195, Azores-Cape St. Vincent Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR, WRA, H11S3, etc.

KRNET 15 18:23:05.8±0.1, 39.65N; 71.60E, mb2.3, NNC 15 18:23:11.3±5.9, 39.81N; 71.39E, mb2.9, mpv2.5, Error ellipse: s-maj=88.6km s-min=20.1km az=130.0



Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like PETK, PEAI, MXZ, DGZ, PDGK, MK01, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like KBZ, NEY, IMAR, SYO, OSPA, ILAR, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like TUE, FUORN, DDOS, MOSI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramonga Arr, ASAR Alice Springs, STKA Stephens Creek.

ISK 15 18:50:18.8, 38.84N:43.57E, h5km, ML2.2
CSEM 15 18:50:19.9, 0.3, 38.85N:43.56E, h5km, ML2.7, Error
ellipse: s-maj=7.2km s-min=4.8km az=110.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VMUR Van-Muradiye, ERVC ERGIS-VAN, VANB Van, etc.

JMA 15 18:59:40.9, 0.3, 24.37N:121.42E, h1km, 4km, M3.4
ISCJB 15 18:59:41.8, 0.3, 24.38N:121.42E, h1km, 2km,
mb3.5/4, Error ellipse: s-maj=2.7km s-min=1.8km

TAP 15 18:59:41.1, 24.36N:121.48E, h7km, ML3.8, B
IDC 15 19:00:18.7, 17.0, 24.82N:122.72E, h410km, 249km,
mb2.8/4, mb1 2.8/5, mb1mx2.6/4, mbtmp3.6/5, Error
ellipse: s-maj=163.6km s-min=18.8km az=60.0

ISC 15 18:59:41.9, 1.0, 24.36N:121.52E:0.02, h3km, 8km,
n72, c0590/112, mb3.5/4, 2C-18D, Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NNS Nan Shan, EHP Heping Village, ENA Nanau, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TCU, EHY Hungye, EHY, TWY Chenhua, etc.

ISCJB 15 19:12:11.9, 0.4, 36.52N:107.04E:0.05, h188km,
mb3.6/9, Error ellipse: s-maj=6.8km s-min=4.0km

IDC 15 19:12:11.4, 2.4, 36.39N:107.92E, h181km, 23km, mb3.3/10,
mb1 3.3/16, mb1mx3.1/50, mbtmp3.7/16, MS3.6/1,
Ms1 3.6/1, ms1mx2.4/33, Error ellipse: s-maj=18.9km
s-min=12.6km az=25.0

NNC 15 19:12:18.5, 1.2, 36.38N:107.76E, h192km, 9km, mb2.7,
mp3.6, Error ellipse: s-maj=13.2km s-min=7.5km
az=134.0

ISC 15 19:12:12.7, 0.6, 36.57N:107.06E:0.06, h188km, n40,
c132/46, mb3.6/9, 4C-4D, Hindu Kush region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PYUN Piuthan, MKAR Makanchi Array, KOLN Koldana, etc.

NNC 15 19:24:47.6, 3.0, 37.64N:71.93E, h0km, mb3.6, mpv3.2,
4C-1D, Error ellipse: s-maj=25.3km s-min=10.7km
az=150.0, Afghanistan-Tajikistan border region

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

IDC 15 19:33:48.8, 0.6, 40.09N:50.04E, h0km, mb4.1/18,
mb1 4.1/31, mb1mx4.0/49, mbtmp4.0/31, ML3.3/8, MS3.0/3,
Ms1 3.0/3, ms1mx2.5/48, Error ellipse: s-maj=12.2km
s-min=7.7km az=7.0

MOS 15 19:33:51.5, 1.2, 40.15N:50.25E, h27km, mb4.4/12, Error
ellipse: s-maj=6.4km s-min=4.4km az=37.9

ISCJB 15 19:33:55.0, 3.0, 40.07N:50.02E:0.02, h68km, 2km,
mb4.3/2, Error ellipse: s-maj=3.7km s-min=3.0km
az=19.7

CSEM 15 19:33:54.1, 0.1, 40.09N:50.23E, h40km, mb4.7/26, Error
ellipse: s-maj=4.7km s-min=3.1km az=7.0

NEIC 15 19:33:54.2, 0.6, 40.13N:50.19E, h39km, 6km, mb4.4/36,
Error ellipse: s-maj=6.0km s-min=4.2km az=180.0

AZER 15 19:33:54.6, 0.4, 40.05N:50.13E, h55km, Error ellipse:
s-maj=1.5km s-min=0.8km az=282.0

NNC 15 19:33:59.0, 4.9, 40.81N:50.94E, h0km, mb4.1, Error
ellipse: s-maj=80.2km s-min=31.8km az=113.0

ISC 15 19:33:55.1, 0.5, 40.05N:50.16E:0.03, h56km, 5km,
n34.1, c149/421, mb4.3/50, MS3.5/4, 42C-39D, Caspian

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

IML	IML	Imayilli	1.68 297	Sn Pn	19 34 43.2 +0.4	AKH		S	Sn	19 36 10.3 0.0	comp=Z,24nm,1.0s	KARP	Karpathos	18.71 263	eP	P	19 38 09.6 +0.7
IML	IML	SNR=141			19 34 21.9 -0.4	AKH	Akhalkalaki	5.25 287	Pn	19 35 11.2 +0.1	comp=Z,24nm,1.0s	KARP	Karpathos	18.71 263	eP	P	19 38 09.6 +0.7
IML	LKRN	Lenkeran, Azer	1.71 219	Sn Pn	19 34 43.2 +0.4	AKH			Sn	19 35 10.3 0.0	comp=Z,24nm,1.0s	BRVK	Borovoye	18.91 40	U	P	19 38 11.0 +0.1
LKRN	LKRN	SNR=13			19 34 21.9 -0.6	ZEI	Tsey	5.44 302	eP	19 35 12.4 -1.4	comp=Z,2.0nm,0.6s	BRVK	Borovoye	18.91 40	U	P	19 38 11.0 +0.1
LKRN	LKRN	Lenkeran, Azer	1.71 219	Sn Pn	19 34 43.1 -0.2	ZEI	Tsey	5.44 302	eP	19 35 12.4 -1.4	comp=Z,2.0nm,0.6s	BRVK	Borovoye	18.91 40	P	Pn	19 38 11.2 -0.9
LKRN	LKRN	SNR=13			19 34 21.9 -0.6	ONI	Oni	5.65 299	P	19 35 16.9 +0.3	comp=Z,5.5nm,0.6s	BRVK	Borovoye	18.91 40	P	Sn	19 38 11.0 +0.1
LKRN	QUBA	Quba, Azerbaij	1.82 316	Sn Pn	19 34 43.1 -0.2	ONI	Oni	5.65 299	S	19 35 19.3 -0.8	comp=Z,6.9nm,0.7s	BVAO	Borovoye Array	18.95 40	U	P	19 38 11.1 +0.1
QUBA	QUBA	SNR=14			19 34 24.2 +0.1	ONI	Oni	5.65 299	S	19 35 19.3 -0.8	comp=Z,5.7nm,0.8s,baz=245,slow=11,SNR=38	BVAO	Borovoye Array	18.95 40	U	P	19 38 11.0 -0.4
QUBA	QUBA	SNR=14			19 34 46.3 +0.2	ARTV	Artvin	6.37 283	ePn	19 35 28.6 +2.1	comp=Z,1.7nm,0.5s,baz=235,slow=21,SNR=6.2	BVAO	Borovoye Array	18.95 40	S	P	19 38 10.9 -0.4
QUBA	ASTR	Astara	1.82 216	Sn Pn	19 34 25.0 +0.9	GEYT	Alibeck	6.55 106	Pn	19 35 27.3 -1.5	comp=Z,2.9nm,0.3s,baz=38,slow=41,SNR=75	BVAO	Borovoye Array	18.95 40	S	P	19 38 10.9 -0.4
ASTR	ASTR	SNR=5.8			19 34 46.2 +0.1	GEYT			Sn	19 36 38.9 -3.3	comp=Z,11nm,0.3s,baz=186,slow=1.5,SNR=8.9	BVAO	Borovoye Array	18.95 40	P	P	19 38 11.0 -0.4
ASTR	ASTR	SNR=5.8			19 34 25.0 +0.9	KBZ			Sn	19 35 26.8 -2.0	comp=Z,2.3nm,0.3s,baz=89,slow=12,SNR=6.9	BVAR	Borovoye Array	18.95 40	P	Pn	19 38 11.6 -0.9
ASTR	XNQ	Khinaliq	1.91 307	Sn Pn	19 34 46.2 +0.1	KBZ			Sn	19 36 41.5 -0.5	comp=Z,1.0nm,0.3s,baz=221,slow=12,SNR=28	DOPR	Dopca	19.02 296	U	P	19 38 12.6 +0.3
XNQ	XNQ	SNR=351			19 34 25.2 -0.2	KVAR	Kislovodsk Arr	6.75 308	Pn	19 35 30.5 -1.7	comp=Z,1.5nm,0.3s,baz=185,slow=9.9,SNR=5.1	DOPR	Dopca	19.02 296	U	P	19 38 12.6 +0.3
XNQ	XNQ	SNR=381			19 34 48.2 -0.2	KVAR			Sn	19 36 49.0 +0.8	comp=Z,9.0nm,0.6s	ARR	Arges	19.46 294	U	P	19 38 19.5 +0.7
XNQ	ZRD	Zardab	1.91 278	Sn Pn	19 34 48.2 -0.2	KVAR			Sn	19 36 49.0 +0.8	comp=Z,9.0nm,0.6s	BURAR	Bucovina Array	19.46 301	U	P	19 38 16.6 -0.6
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV	Kislovodsk	6.80 307	eP	19 35 46.0 +1.4	comp=Z,1.0nm,1.0s	BURAR	Bucovina Array	19.46 301	U	P	19 38 16.6 -0.6
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR04	Bucovina Ar. S	19.47 301	eP	P	19 38 16.3 -0.9
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 25.3 +0.1	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38 16.7 -0.7
ZRD	ZRD	SNR=137			19 34 49.4 +1.2	KIV			MLR	19 35 46.0 +1.4	comp=Z,31nm,10.0s	BUR08	Bucovina Ar. S	19.48 301	eP	P	19 38



Table with columns for call sign, frequency, power, and other technical details. Includes entries like JNK Nakash, UGL Uglegorsk, and various other stations.

Table with columns for call sign, frequency, power, and other technical details. Includes entries like YAK Yakutsk, BILL Bilibino, and various other stations.

Table with columns for call sign, frequency, power, and other technical details. Includes entries like LZH, HYT, and various other stations.



15d 20h

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like CMAR, CM01, CMO1, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like BOZ, DZET, DZET, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like P18A, K22A, K22A, etc.

I36A	Fitzsimmons Fa	69.98	46	P	P	20 39 55.2 +0.7
F39A	Loretta	69.99	43	P	P	20 39 55.0 +1.1
E40A	Wakefield	70.04	42	P	P	20 39 56.3 +0.8
G38A	Ridgeland	70.13	44	P	P	20 39 55.8 +0.4
D41A	Chassel	70.15	41	P	P	20 39 56.3 +0.8
I37A	Lemond, Waseca	70.27	45	P	P	20 39 57.2 +0.9
F40A	Park Falls	70.34	42	P	P	20 39 57.2 +0.9
WRAB	Tennant Creek	70.38 201	c/P	pmax	pmax	20 39 57.8 +0.7
WRAB	Tennant Creek	70.38 201	eP	P	P	20 39 57.5 +0.4
WB2	Warramunga Arr	70.38 201	eP	P	P	20 39 56.8 -0.3
WR1	Warramunga Arr	70.39 201	eP	P	P	20 39 58.0 +0.9
WRA	Warramunga Arr	70.39 201	P	P	P	20 39 58.0 +0.9
E41A	Kenton	70.44 41	P	P	P	20 39 57.9 +0.6
KIV	Kislovodsk	70.59 315	eP	pmax	pmax	20 39 56.3 -2.1
KIV			MLR	MLR		
KBZ	Khabaz	70.66 315	P	P	P	20 39 59.8 +1.1
I38A	Scanlan Farm,	70.76 45	P	P	P	20 39 59.8 +0.5
K36A	Gilmore City	70.80 47	P	P	P	20 40 00.2 +0.6
G40A	Rib Lake	70.81 43	P	P	P	20 39 60.0 +0.4
E42A	Champion	70.92 41	P	P	P	20 40 00.9 +0.6
CBKS	Cedar Bluff	70.93 53	P	P	P	20 40 00.8 +0.4
AKASG	Malin Array Be	70.93 327	P	P	P	20 39 60.0 -0.2
AKASG	Malin Array Be	70.93 327	P	P	P	20 40 00.0 -0.2
AKBB	Malin Array Si	70.93 327	eP	pmax	pmax	20 39 59.7 -0.5
AKBB	Malin Array Si	70.93 327	eP	P	P	20 39 59.7 -0.5
AKBB	Malin Array Si	70.93 327	eP	P	P	20 39 59.7 -0.5
F41A	Three Lakes	70.94 42	P	P	P	20 40 00.9 +0.5
M35A	Neola	71.06 49	P	P	P	20 40 01.8 +0.6
K37A	Belmond	71.10 46	P	P	P	20 40 02.2 +0.8
NEY	Neytrino	71.11 314	i/P	pmax	pmax	20 40 00.9 -0.7
H40A	Chili	71.22 43	P	P	P	20 40 02.6 +0.5
I39A	Houston	71.28 44	P	P	P	20 40 03.1 +0.7
E43A	Lone Tree Farm	71.36 40	P	P	P	20 40 03.5 +0.6
SCHQ	Schefferville	71.40 24	P	P	P	20 40 03.8 +0.8
SCHQ	Schefferville	71.40 24	eP	P	P	20 40 02.9 -0.1
O34A	Beatrice	71.51 50	P	P	P	20 40 04.2 +0.3
L37A	Phoenix Point,	71.53 47	P	P	P	20 40 04.3 +0.4
N35A	Tabor	71.54 49	P	P	P	20 40 04.6 +0.5
H41A	Junction City	71.56 43	P	P	P	20 40 04.5 +0.5
J39A	Decorah	71.59 45	P	P	P	20 40 04.8 +0.5
G42A	Mountain	71.62 42	P	P	P	20 40 05.1 +0.6
I40A	Norwalk	71.67 44	P	P	P	20 40 04.7 -0.2
F43A	Flat Rock, Esc	71.72 41	P	P	P	20 40 05.6 +0.6
L38A	Oak Wood Farm,	71.90 46	P	P	P	20 40 06.6 +0.4
P34A	Walnut Farm, R	71.92 51	P	P	P	20 40 05.9 -0.4
F44A	Big Bay de Noc	71.93 40	P	P	P	20 40 06.7 +0.4
G43A	Wallace	71.94 41	P	P	P	20 40 07.2 +0.8
K39A	Oelwein	71.98 45	P	P	P	20 40 07.0 +0.3
N37A	Lee Faris, Mou	72.33 48	P	P	P	20 40 09.2 +0.4
K40A	Colesburg	72.34 45	P	P	P	20 40 09.0 +0.2
P35A	Duane Minner,	72.34 50	P	P	P	20 40 08.7 -0.2
J41A	Loganville	72.36 44	P	P	P	20 40 09.3 +0.4
L39A	Vinton	72.38 46	P	P	P	20 40 09.4 +0.4
I42A	Draeger Farm,	72.45 43	P	P	P	20 40 10.1 +0.6
AMTX	Amarillo	72.74 57	P	P	P	20 40 12.4 +0.9
AMTX	Amarillo	72.74 57	eP	P	P	20 40 12.0 +0.5
L40A	Anamosa	72.79 45	P	P	P	20 40 11.9 +0.4
MSTX	Muleshoe	72.79 58	P	P	P	20 40 13.0 +1.2
MSTX	Muleshoe	72.79 58	eP	P	P	20 40 11.8 0.0
F46A	Macinaw City C	72.80 39	P	P	P	20 40 12.0 +0.6
J42A	Columbus	72.81 43	P	P	P	20 40 11.7 +0.1
MNTX	Cornudas Mount	72.94 62	P	P	P	20 40 14.0 +1.5
MNTX	Cornudas Mount	72.94 62	eP	P	P	20 40 13.6 +1.1
N39A	Derby Farms, D	73.08 47	P	P	P	20 40 13.8 +0.5
L41A	Preston	73.13 45	P	P	P	20 40 13.6 +0.1
S34A	Willow Spring	73.14 52	P	P	P	20 40 13.8 +0.1
P37A	Lathrop	73.15 49	P	P	P	20 40 13.8 +0.2
R35A	Emporia Munci	73.15 51	P	P	P	20 40 13.8 +0.1
SORM	Soroca	73.37 326	i/P	P	P	20 40 14.7 -0.1
SORM	Soroca	73.37 326	i/P	P	P	20 40 14.7 -0.1
R36A	Gordon, Harris	73.51 51	P	P	P	20 40 16.0 +0.1
N40A	Mertquake, Sal	73.53 46	P	P	P	20 40 16.4 +0.6
P38A	Dawn	73.53 49	P	P	P	20 40 16.5 +0.6
S35A	Otter Creek Ra	73.57 52	P	P	P	20 40 17.0 +0.8
L42A	Oliver, Polo	73.57 45	P	P	P	20 40 16.2 0.0
M41A	Milan	73.65 46	P	P	P	20 40 16.9 +0.4
O40A	La Belle	73.97 47	P	P	P	20 40 19.0 +0.6
Q38A	Cooks Store, C	73.99 49	P	P	P	20 40 18.9 +0.3
N41A	Harden Midland	74.01 46	P	P	P	20 40 19.3 +0.6
P39B	Salisbury	74.02 48	P	P	P	20 40 19.6 +0.9
T35A	Sooner Springs	74.05 52	P	P	P	20 40 19.9 +0.9
AS01	Alice Springs	74.06 200	eP	P	P	20 40 20.5 +1.4
AS31	Alice Springs	74.08 200	eP	P	P	20 40 20.5 +1.4
ASAR	Alice Springs	74.08 200	P	P	P	20 40 20.9 +1.9

ASAR	comp=Z,5.5nm,0.9s,baz=8.7,slow=5.9,SNR=40	LR	LR	21 10 33.8		
ASAR	comp=Z,25nm,21.6s,baz=8.0,slow=3.4	P	P	20 40 21.0 +1.9		
ASAR	Alice Springs	74.08 200	eP	P	20 40 21.0 +1.9	
KWP	Kalwaria Pacia	74.11 330	eP	P	20 40 20.2 +1.1	
KWP	Kalwaria Pacia	74.11 330	eP	P	20 40 20.2 +1.1	
Q39A	Willow Grove F	74.25 49	P	P	20 40 20.5 +0.5	
T36A	Boogs Farm, Ca	74.27 52	P	P	20 40 20.7 +0.5	
S37A	Fort Scott	74.29 51	P	P	20 40 20.3 -0.1	
P40A	Paris	74.34 48	P	P	20 40 21.2 +0.6	
R38A	Fenwick Farm,	74.44 50	P	P	20 40 20.9 -0.3	
WMOK	Wichita Mounta	74.45 55	P	P	20 40 22.2 +0.8	
WMOK	Wichita Mounta	74.45 55	eP	pmax	pmax	20 40 22.3 +0.8
WMOK	Wichita Mounta	74.45 55	eP	pmax	pmax	20 40 22.3 +0.8
WMOK	Wichita Mounta	74.45 55	eP	P	P	20 40 22.3 +0.8
O41A	Passleys Farm,	74.46 47	P	P	P	20 40 21.9 +0.6
OJC	Ojcow	74.55 332	eP	P	P	20 40 22.5 +0.9
OJC	Ojcow	74.55 332	eP	pmax	pmax	20 40 21.7 +0.1
OJC	Ojcow	74.55 332	eP	P	P	20 40 21.7 +0.1
OJC	Ojcow	74.55 332	eP	P	P	20 40 21.7 +0.1
N43C	Stutzman Famil	74.64 45	P	P	P	20 40 22.0 -0.3
P41A	Barry, Barry	74.71 47	P	P	P	20 40 23.5 +0.7
T37A	Cheneyville 18	74.72 51	P	P	P	20 40 23.1 +0.2
Q40A	Laux Farm, Aux	74.74 48	P	P	P	20 40 23.5 +0.6
V35A	Meyer Ranch, C	74.74 53	P	P	P	20 40 23.7 +0.6
V35A	Meyer Ranch, C	74.74 53	eP	P	P	20 40 23.2 +0.2
R39A	Chumby, Stover	74.78 49	P	P	P	20 40 23.4 +0.2
STHS	Stebnicka Huta	74.78 331	eP	pmax	pmax	20 40 24.6 +1.6
STHS	Stebnicka Huta	74.78 331	eP	P	P	20 40 24.6 +1.6
M44A	Midew, Midew	74.81 44	P	P	P	20 40 23.6 +0.2
U36A	Oologah	74.85 52	P	P	P	20 40 24.0 +0.3
S38A	Stetson	74.86 50	P	P	P	20 40 24.4 +0.7
HDIL	Hopedale	74.88 45	P	P	P	20 40 24.2 +0.5
HDIL	Hopedale	74.88 45	eP	P	P	20 40 23.6 -0.2
OK020	N3440 Road, Me	74.89 53	eP	P	P	20 40 24.2 +0.3
OK021	N3530 Road, Sp	74.92 53	eP	P	P	20 40 24.0 -0.1
BUR08	Bucovina Ar. S	74.94 327	eP	P	P	20 40 24.6 +0.4
BUR04	Bucovina Ar. S	74.96 327	eP	P	P	20 40 23.3 -0.9
BUR04	Bucovina Ar. S	74.96 327	i/P	P	P	20 40 25.0 +0.8
BUR04	Bucovina Ar. S	74.96 327	i/P	P	P	20 40 25.0 +0.8
KSP	Ksiaz	75.05 334	eP	P	P	20 40 25.4 +0.8
KSP	Ksiaz	75.05 334	eP	P	P	20 40 25.4 +0.8
NIE	Niedzica	75.08 331	eP	P	P	20 40 26.1 +1.3
NIE	Niedzica	75.08 331	eP	P	P	20 40 26.1 +1.3
S39A	Bolivar	75.11 51	P	P	P	20 40 25.2 +0.1
T38A	Diamond	75.11 51	P	P	P	20 40 25.4 +0.2
CRVS	Cervenica-Dubn	75.16 330	eP	P	P	20 40 25.9 +0.7
CRVS	Cervenica-Dubn	75.16 330	eP	P	P	20 40 25.9 +0.7
U37A	Salina	75.17 52	P	P	P	20 40 26.2 +0.8
W35A	Tecumseh	75.18 54	P	P	P	20 40 26.5 +1.0
W35A	Tecumseh	75.18 54	eP	P	P	20 40 26.1 +0.6
R40A	Maddies Statio	75.18 49	P	P	P	20 40 25.9 +0.4
TUL1	Leonard	75.19 52	P	P	P	20 40 26.4 +0.8
TUL1	Leonard	75.19 52	eP	P	P	20 40 25.9 +0.3
Q41A	Truxton	75.19 48	P	P	P	20 40 26.0 +0.5
V36A	Jenks	75.20 53	P	P	P	20 40 26.4 +0.7
V36A	Jenks	75.20 53	eP	P	P	20 40 26.2 +0.6
N44A	Piper City	75.24 44	P	P	P	20 40 26.3 +0.5
TESR	Tescani	75.37 326	i/P	P	P	20 40 26.9 +0.5
OKC	Ostrava-Krasne	75.39 333	eP	P	P	20 40 27.3 +0.8
OKC	Ostrava-Krasne	75.39 333	eP	P	P	20 40 27.3 +0.8
DPC	Dobruska-Polom	75.48 334	eP	P	P	20 40 28.0 +0.9
DPC	Dobruska-Polom	75.48 334	eP	P	P	20 40 40.0 +1.2
DPC	Dobruska-Polom	75.48 334	eP	P	P	20 40 28.0 +0.9
P43A	Skaggs, Pawnee	75.48 46	P	P	P	20 40 27.8 +0.6
U38A	Cravette	75.52 51	P	P	P	20 40 28.2 +0.6
W36A	Wetumka	75.54 53	P	P	P	20 40 28.3 +0.7
W36A	Wetumka	75.54 53	eP	P	P	20 40 28.0 +0.4
V37A	Hulbert	75.55 52	P	P	P	20 40 28.3 +0.7
CLL	Colim	75.55 336	i/P	pmax	pmax	20 40 27.3 -0.1
CLL	Colim	75.55 336	i/P	P	P	20 40 32.3
CLL	Colim	75.55 336	i/P	P	P	20 40 27.3 -0.1
CLL	Colim	75.55 336	i/P	P	P	20 40 27.3 -0.1
CLL	Colim	75.55 336	i/P	Lm	MLR	20 40 32.3
CLL	Colim	75.55 336	eP	P	P	20 40 27.1 -0.2
Q42A	Golden Eagle	75.56 47	P	P	P	20 40 28.3 +0.6
LANS	Liptovska Anna	75.58 332	eP	P	P	20 40 29.1 +1.4
LANS	Liptovska Anna	75.58 332	eP	P	P	20 40 29.1 +1.4
O44A	Mansfield	75.59 45	P	P	P	20 40 28.4 +0.6
KRLC	Kraliky	75.59 334	eP	P	P	20 40 28.2 +0.5
KRLC	Kraliky	75.59 334	eP	P	P	20 40 28.2 +0.5
T39A	Cleaver	75.59 50	P	P	P	20 40 28.1 +0.1
S40A	Lebanon	75.60 49	P	P	P	20 40 28.1 +0.1
R41A	Rosebud	75.62 48	P	P	P	20 40 28.5 +0.5
MORC	Moravsky Berou	75.63 333	eP	pmax	pmax	20 40 28.4 +0.4
MORC	Moravsky Berou	75.63 333	eP	pmax	pmax	20 40 28.4 +0.4
MORC	Moravsky Berou	75.63 333	eP	P	P	20 40 28.4 +0.4
TLCR	Lajitas Ar. Si	75.64 324	i/P	P	P	20 40 28.6 +0.6
TLCR	Lajitas Ar. Si	75.64 324	i/P	P	P	20 40 28.6 +0.6
TX31	Lajitas Ar. Si	75.67 62	eP	P	P	20 40 29.1 +0.6
LTX	Lajitas	75.67 62	eP	P	P	20 40 30.1 +1.5
LTX	Lajitas	75.67 62	eP	P	P	20 40 30.1 +1.5
TXAR	Lajitas Array	75.67 62	eP	P	P	20 40 30.1 +1.5
BRG	Berggiesshuby	75.69 336	eP	P	P	20 40 28.4 +0.2
BRG	Berggiesshuby	75.69 336	eP	pmax	pmax	20 40 28.4 +0.2
BRG	Berggiesshuby	75.69 336	eP	P	P	

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like 4Q7A Bedord North L, V42A Cord, ASHO Ashiyah, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like ESDC comp=Z,5.2nm,18.3s, MAW Mawson, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MATI Palo, DAV Davao City (W), BRSP Borongan, etc.

ASAR Alice Springs 61.47 189 P P 21 26 27.7 -0.2

TRN 15 21:17:55.5,9.11N:62.31W,h143km,MD4.7

ISC 15 21:17:57.0,0.5,9.45N:0.05:62.84W:0.05,h77km,9km

Code Station Name Δ° AZZ Phase ID Time Res

BUAY Buenos Aires 1.25 58 Op Pn 21 18 20.4 +0.0

ALNG Atlantic Lings 1.29 59 eS Pn 21 18 20.9 +0.4

TPP Pointe-a-Pierre 1.56 56 iP Ss 21 18 25.9 +1.9

TCE Chacachacare 1.60 38 eS Pn 21 18 43.4 0.0

TRN Trinidad (W) 1.80 48 iP Pn 21 18 27.1 -0.2

PCRV 219nm,0.3s,baz=310,slo=16,SNR=10

VRTB Varto-Mus 1.84 277 iP Pb 21 29 13.1 -0.3

JMA 15 21:32:38.7,0.2,23.42N:123.63E,h52km,3km,M3.9

Code Station Name Δ° AZZ Phase ID Time Res

HATJ Hateruma jima 0.65 14 P Ss 21 32 52.0 0.0

JJKRS Kuro-shima 0.89 23 P Ss 21 32 55.6 +0.7

JYNG Yonagunijimaku 1.20 329 P Ss 21 33 17.0 +0.9

JISG Ishigakijimahi 1.32 28 P Ss 21 33 09.0 +1.1

JIRB Irayajima 2.06 47 P Ss 21 33 14.4 +0.5

JGMS Gusukube 2.10 50 P Ss 21 33 12.3 +0.9

H11S1 WAKE ISLAND Hy 28.87 118 T T 22 32 35.0

ISC/JB 15 22:03:49.3,0.5,50.26N:0.03:18.69E,0.03,h0km,Error

Code Station Name Δ° AZZ Op Phase ID Time Res

RAC Raciboraz 0.04 248 eS Ss 22 04 07.3 +0.2

OKC Okcova 0.56 226 eS Ss 22 04 13.4 +1.3

OKC Okcova 0.56 226 eS Ss 22 04 03.0 0.0

OKC Okcova 0.66 91 iP Ss 22 04 03.4 +0.2

OKC Okcova 0.66 91 iP Ss 22 04 13.4 -1.3

OKC Okcova 0.66 91 iP Ss 22 04 03.4 +0.2

OKC Okcova 0.91 241 eS Ss 22 04 09.1 -0.2

OKC Okcova 0.91 241 eS Ss 22 04 13.4 -1.3

OKC Okcova 0.91 241 eS Ss 22 04 03.4 +0.2

OKC Okcova 0.91 241 eS Ss 22 04 03.4 +0.2

OKC Okcova 0.91 241 eS Ss 22 04 03.4 +0.2

DDA 15 21:41:02.9,38.66N:43.62E,h7km,MI3.0

CSEM 15 21:41:03.6,0.3,38.65N:43.55E,h10km,MD3.0,Error

ISC 15 21:41:03.9,38.66N:43.44E,h9km,MD3.0

Code Station Name Δ° AZZ Op Phase ID Time Res

VANB Van 0.18 254 eP Sg 21 41 07.4 +0.1

ISC 15 22:03:50.0,0.8,50.23N:0.04:18.77E,0.02,h0km,m47,

Code Station Name Δ° AZZ Op Phase ID Time Res

RAC Raciboraz 0.04 248 eS Ss 22 04 07.3 +0.2

OKC Okcova 0.56 226 eS Ss 22 04 13.4 +1.3

OKC Okcova 0.56 226 eS Ss 22 04 03.0 0.0

OKC Okcova 0.66 91 iP Ss 22 04 03.4 +0.2

OKC Okcova 0.66 91 iP Ss 22 04 13.4 -1.3

OKC Okcova 0.66 91 iP Ss 22 04 03.4 +0.2

OKC Okcova 0.91 241 eS Ss 22 04 09.1 -0.2

OKC Okcova 0.91 241 eS Ss 22 04 13.4 -1.3

OKC Okcova 0.91 241 eS Ss 22 04 03.4 +0.2

OKC Okcova 0.91 241 eS Ss 22 04 03.4 +0.2

OKC Okcova 0.91 241 eS Ss 22 04 03.4 +0.2

OKC Okcova 0.91 241 eS Ss 22 04 03.4 +0.2

OKC Okcova 0.91 241 eS Ss 22 04 03.4 +0.2

OKC Okcova 0.91 241 eS Ss 22 04 03.4 +0.2

DDA 15 21:28:37.8,38.98N:43.84E,h5km,MI3.1

Code Station Name Δ° AZZ Op Phase ID Time Res

MAN 15 22:13:02.9,9.31N:125.88E,h1km,mb3.8,ML2.5,MS2.1,

Code Station Name Δ° AZZ Op Phase ID Time Res

CSEM 15 22:21.38.2.1.1, 38.90N-43.86E, h5km, ML3.2, Error ellipse: s-maj=4.9km s-min=3.6km az=158.0

ISC 15 22:21.38.2.1.1, 38.90N, 0.02-43.85E, 0.02, h2km, 9km, n95, c140/143, 16C-14Z, Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like VMUR Van-Muradiye, CLDR Caldiran, etc.

POL Pirkuli 4.12 61 P Pn 22 22 41.6 -0.6
POL Kasrt alli 4.90 233 e S Sn 22 23 33.1 +2.2
KSRV 4.90 233 e S Sn 22 23 43.4 -6.7
KSRV comp=Z, 6.0nm, 0.7s AML AML 22 24 25.0

MEX 15 22:23:11.6:0.5, 16:05N-99:80W, h15km, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like ACX Acapulco, ACP2 Acapulco, etc.

IDC 15 22:23:32.8:3.1, 32:43S-178:36W, h0km, mb3.9/3, mb1.4/1.4, mb1mx3.8/2.4, mbtmp3.9/4, ML3.7/1, Error ellipse: s-maj=69.6km s-min=46.2km az=120.0, South of Kermadec Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like URZ Urewera, ASAR Alice Springs, etc.

MEX 15 22:24:57.4:0.5, 17:95N-103:13W, h5km, MD3.8, Near coast of Michoacan

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like MMIG Aquila, R15V, etc.

DDA 15 22:27:09.7, 38:75N-43:56E, h7km, ML2.8
ISK 15 22:27:09.9, 38:75N-43:51E, h9km, ML2.6
ISCJB 15 22:27:10.0:0.5, 38:75N-43:59E, 0.04, h7km, 4km, Error ellipse: s-maj=5.7km s-min=3.4km az=77.0

CSEM 15 22:27:10.0:0.2, 38:76N-43:54E, h5km, ML2.6, Error ellipse: s-maj=5.1km s-min=3.3km az=90.0

ISC 15 22:27:10.7:0.9, 38:75N-43:55E, 0.03, h12km, 6km, n38, c123/62, Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like VANB Van, VMUR Van-Muradiye, etc.

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

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like WMGZ Waionmatatini S, MXZ Matakaoa Point, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like TUTA, AGRB, EKAR, KARACOBAN, TASB, etc.

ISCJCB 15 23:34:49.6:0.6,36.87N,0.06:71.7E:0.1, h142km, Error ellipse: s-maj=13.7km s-min=4.8km az=143.8

NNC 15 23:34:58.3:5.0,37.50N:71.49E, h160km,48km, mb3.1, mpv4.1, Error ellipse: s-maj=50.3km s-min=25.5km az=137.0

ISC 15 23:34:51.0:1.1,37.01N:0.09:71.85E:0.08, h142km, n22, +f163:25,5C-2D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like DZET, AML, MNAS, UCH, etc.

IDC 15 23:38:49.7:1.0,0.87S:127.05E, h0km, mb3.8/7, mb1 3.9/7, mb1mx3.6/4.0, mbtmp3.8/7, MS4.1/1, M1 4.1/1, ms1mx3.2/3.8, Error ellipse: s-maj=76.4km s-min=17.5km az=74.0

ISCJBA 15 23:38:52.6:0.5,0.95S:0.07:126.85E:0.06, h34km, mb3.9/7, MS4.1/1, Error ellipse: s-maj=10.0km s-min=7.5km az=25.0

NEIC 15 23:38:56.7:1.2,1.01S:126.81E, h54km,14km, mb4.1/2, Error ellipse: s-maj=14.8km s-min=9.6km az=224.0

ISC 15 23:38:54.8:0.7,0.91S:0.09:126.85E:0.07, h34km, n16, mb3.9/7, mb4.1/1,7, Southern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like LUWI, FAKI, KAPPANG, etc.

ISCJCB 15 23:41:29.0:7.0,6.59:75N:0.05:57.47W:0.08, h10km, mb3.4/5, Error ellipse: s-maj=7.1km s-min=5.7km az=148.4

IDC 15 23:41:33.5:1.1,59.69N:56.67W, h0km, mb3.4/5, mb1 3.7/6, mb1mx3.4/4.3, mbtmp3.6/6, ML3.1/1, Error ellipse: s-maj=42.5km s-min=19.1km az=154.0

OTT 15 23:41:36.5:0.6,59.88N:57.31W, h18km, ML3.9/8, LaibertaRADOR Sea Seismic Zone. 377km northeast from Nutak, NI

ISC 15 23:41:32.3:0.7,59.76N:0.06:57.35W:0.06, h10km, n25, +f410:37, mb3.5/5, Labrador Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like KAUJ, KUO, NRS, KRSO, etc.

NEIC 15 23:42:29.3:0.1,5.28S:140.31E, h12km, mb5.7/95, ME5.4, MS5.4/149, MW5.6, MW5.7, Error ellipse: s-maj=3.9km s-min=3.1km az=72.0, Moment Tensor Solution. s=2km

Moment tensor: Scale 10^17Nm; Mn:2.43; Mw:0.38; Ms:2.05; Mo:0.27; Mv:1.57; Mw:0.31; Best double couple: M2:80000x10^17 Np1:138.00000, 845.00000, 1.74.00000, Np2:340.00000, 847.00000, 7.105.00000

Principal axes: T 2.51000, Plg79.00000, Azm322.00000; N 0.49000, Plg11.00000, Azm149.00000; P -3.00000, Plg1.00000, Azm59.00000; Broadband fault plane solution: P waves: Np1:85.00000, 865.00000, 1.33.00000; Np2:340.00000, 855.00000, 8.55.00000

Principal axes: T Plg44.00000, Azm308.00000; N Plg0.00000, Azm0.00000; P Plg7.00000, Azm12.00000; Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism.

NEIC Felt [IV] at Oksibil; [III] at Tanahmerah and Wamena; [II] at Merauke. Felt at Kiunga and Tari, Papua New Guinea. ISCJBA 15 23:42:29.1:0.7,5.33S:0.02:140.33E:0.02, h22km,5km, mb5.6/198, MS5.3/209, Error ellipse: s-maj=3.5km s-min=2.8km az=34.6

DJA 15 23:42:34.8:0.3,5.2S:2.14E, h48km,3km, M5.6/31, mb5.6/31, mb5.9/21, MLV6.1/1, Mw(MJ)5.2/2, NNC 15 23:42:40.2:0.4,5.33S:0.02:140.33E:0.03, h18km,1km, h18km:pp-P n938, +f154/929, mb5.6/203, MS5.4/210, 39C-22D, Irian Jaya

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like GENI, JAY, MPMPI, etc.









15d 23h

Table with columns: KIV, KIV, Kislodovsk, 99.19 314, eP, Pdif, 23 56 10.2 -0.8, etc. Lists various locations and their associated data points.

2011 NOV

Table with columns: FFC, comp=Z,1,um,21.0s, VRI, Vriociaia, 110.17 317, LR, PKIKP, 00 01 01.6 +0.5, etc. Lists various locations and their associated data points.

840

Table with columns: KHC, Kasperske Hory, 117.46 324, ePKP, PKPdf, 00 01 14.8 -0.2, etc. Lists various locations and their associated data points.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations 841.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations 2011 NOV.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations 16d 0h.



TPUB	comp=Z,2um,19.0s	21.28 245	eP	P	00 48 40.6	0.0
OZH	comp=Z,26nm,0.8s	21.97 251	P	S	00 48 49.8	+1.9
OZH	Quanzhou		S	S	00 52 48.6	-0.3
OZH	comp=Z,6um,12.7s		LR	LR		
OZH	comp=Z,2um,10.7s		LR	LR		
OZH	comp=Z,6um,18.3s		LR	LR		
HIA	Hailar	22.07 320	eP	P	00 48 47.1	-1.8
HIA	comp=Z,127nm,1.3s		P	Pmax		
HIA	comp=Z,8um,19.0s		MLR	MLR		
HIA	Hailar	22.07 320	eP	P	00 48 47.1	-1.8
HIA	comp=Z,127nm,1.3s		LR	LR		
HIA	comp=Z,8um,19.0s		P	P		
PETK	Petropavlovsk	22.13 26	P	P	00 48 50.3	+0.8
PETK	comp=Z,20nm,1.0s,baz=203,slow=10,SNR=6.7		P	P		
PETK	Petropavlovsk	22.13 26	P	P	00 48 50.3	+0.8
PETK	comp=Z,21nm,1.0s		P	Pmax		
PETK	Petropavlovsk	22.13 26	eP	P	00 48 48.9	-0.6
PET	Petropavlovsk	22.42 28	eP	S	00 48 53.6	+1.0
PET	PET		eS	S	00 52 54.4	-4.7
PET	comp=Z,101nm,1.2s		Pmax	Pmax		
PET	comp=Z,4um,14.0s		MLR	MLR		
PET	comp=Z,5um,17.0s		MLR	MLR		
PET	Petropavlovsk	22.42 28	PFAKE	LR	00 49 10.0	+1.7
WHN	comp=Z,3um,19.0s		P	P		
WHN	Wuhan	23.25 269	P	S	00 48 55.3	-6.1
WHN	comp=N,13um,12.9s		LR	LR	00 53 06.8	-5.1
WHN	comp=E,20um,15.4s		LR	LR		
WHN	comp=Z,22um,14.1s		LR	LR		
TIY	Taiyuan	23.80 287	eP	P	00 49 05.3	-1.5
TIY	TIY		S	S	00 53 18.3	-2.6
TIY	TIY		eS	S	00 53 35.8	+1.8
TIY	comp=Z,610nm,10.3s		Pmax	Pmax		
TIY	comp=Z,6um,17.8s		LR	LR		
TIY	comp=Z,3um,15.4s		LR	LR		
TIY	comp=Z,5um,16.6s		LR	LR		
HHC	Hu-ho-hao-te	24.63 294	eP	P	00 49 15.1	+0.6
HHC	HHC		sP	sP	00 49 27.6	+1.8
HHC	HHC		S	S	00 53 34.6	+0.4
HHC	HHC		sS	sS	00 53 45.3	-2.0
HHC	comp=Z,48nm,1.3s		Pmax	Pmax		
HHC	comp=Z,930nm,7.2s		Pmax	Pmax		
HHC	comp=Z,4um,13.9s		LR	LR		
HHC	comp=Z,4um,15.5s		LR	LR		
HHC	comp=Z,3um,14.6s		LR	LR		
CLNS	Chul'man	25.35 338	eP	P	00 49 21.6	+0.9
CLNS	CLNS		ePP	sP	00 49 31.5	-0.5
CLNS	CLNS		e	S	00 49 55.9	
CLNS	CLNS		e	S	00 52 56.7	
CLNS	CLNS		eS	S	00 53 44.9	-0.3
CLNS	comp=E,11nm,1.2s		Pmax	Pmax		
CLNS	comp=Z,49nm,1.1s		Pmax	Pmax		
CLNS	comp=N,33nm,1.4s		Pmax	Pmax		
CLNS	comp=E,54nm,1.4s		Pmax	Pmax		
CLNS	comp=Z,78nm,1.2s		Pmax	Pmax		
CLNS	comp=N,50nm,1.4s		Pmax	Pmax		
CLNS	comp=E,1um,12.9s		Smax	Smax		
CLNS	comp=N,1um,13.1s		MLR	MLR		
CLNS	comp=E,5um,14.0s		MLR	MLR		
CLNS	comp=Z,6um,16.0s		MLR	MLR		
CLNS	comp=N,4um,15.0s		MLR	MLR		
BTO	Baotou	25.78 294	eP	P	00 49 24.3	-0.6
MA2	Magadan	26.11 11	P	P	00 49 27.8	+0.3
MA2	comp=N,23nm,0.8s,baz=218,slow=11,SNR=4.6		LR	LR	01 01 31.0	
MA2	comp=N,3um,18.1s,baz=200,slow=40		T	T	00 49 25.2	-2.3
H11N2	WAKE ISLAND Hy 26.68 116	T	T	T	01 17 28.9	
H11N1	WAKE ISLAND Hy 26.69 116	T	T	T	01 17 41.8	
H11N3	WAKE ISLAND Hy 26.70 116	T	T	T	01 17 31.5	
WAKE	WAKE ISLAND	26.78 117	PFAKE	LR	01 49 50.0	+1.6
CIT	Chita	26.87 320	eP	P	00 49 34.2	-0.4
CIT	comp=Z,5um,19.0s		e	P	00 50 15.2	
CIT	comp=Z,214nm,1.4s		Pmax	Pmax		
XAN	Xi'an	26.97 279	P	P	00 49 34.1	-1.5
XAN	XAN		sP	sP	00 49 43.3	-0.3
XAN	XAN		sP	sP	00 49 48.0	+1.0
XAN	comp=Z,59nm,1.1s		Pmax	Pmax		
XAN	comp=Z,740nm,8.2s		LR	LR		
XAN	comp=Z,3um,14.9s		LR	LR		
XAN	comp=Z,8um,14.5s		LR	LR		
H11S3	WAKE ISLAND Hy 27.30 119	T	T	T	01 18 31.9	
H11S1	WAKE ISLAND Hy 27.30 119	T	T	T	01 18 24.4	
H11S2	WAKE ISLAND Hy 27.32 119	T	T	T	01 18 23.1	
ENH	Enshi	27.35 271	eP	P	00 49 38.6	-0.5
ENH	comp=Z,57nm,1.0s		LR	LR		
TGY	Tagaytay City	27.36 228	LR	LR	01 01 36.3	
YAK	comp=Z,2um,18.0s,baz=24,slow=39		P	P		
YAK	Yakutsk	28.87 348	P	P	00 49 52.4	+0.2
YAK	comp=Z,13nm,0.4s,baz=320,slow=1.5,SNR=6.1		LR	LR	01 03 11.4	
YAK	comp=Z,3um,18.0s,baz=133,slow=40		P	P	00 49 51.8	-0.4
YAK	Yakutsk	28.87 348	eP	P	00 49 57.2	-3.0
YAK	YAK		ePPP	PPP	00 50 50.4	
YAK	YAK		eS	S	00 54 41.4	+0.9
YAK	YAK		eSS	S	00 54 56.4	+2.7
YAK	YAK		e	S	01 00 27.8	
YAK	comp=Z,42nm,1.3s		Pmax	Pmax		
YAK	comp=N,24nm,1.2s		Pmax	Pmax		
YAK	comp=E,11nm,1.3s		Pmax	Pmax		
YAK	comp=Z,124nm,1.5s		Pmax	Pmax		
YAK	comp=E,75nm,2.0s		Pmax	Pmax		
YAK	comp=N,201nm,2.3s		Smax	Smax		
YAK	comp=N,284nm,5.3s		Smax	Smax		

YAK	comp=E,443nm,5.5s		Smax	Smax		
YAK	comp=Z,6um,16.0s		MLR	MLR		
YAK	comp=E,3um,17.0s		MLR	MLR		
YAK	comp=N,6um,18.0s		MLR	MLR		
YAK	Yakutsk	28.87 348	eP	P	00 49 52.0	-0.2
ULN	Ulaanbaatar	29.14 308	eP	P	00 49 55.8	+0.8
ULN	comp=Z,64nm,1.1s		Pmax	Pmax		
ULN	comp=Z,6um,20.0s		MLR	MLR		
ULN	Ulaanbaatar	29.14 308	eP	P	00 49 55.8	+0.8
ULN	comp=Z,64nm,1.1s		LR	LR		
ULN	comp=Z,6um,20.0s		LR	LR		
SONAI	Songino Array	29.55 308	eP	P	00 49 59.4	+0.7
SEY	Seymchan	29.55 10	P	P	00 49 58.1	-0.2
SEY	comp=Z,11nm,0.8s,baz=191,slow=8.1,SNR=10.0		P	P		
SEY	Songino Array	29.55 10	P	P	00 49 57.9	-0.4
SONM	Songino Array	29.55 308	P	P	00 49 59.4	+0.7
BOD	Bodaibo	30.03 330	eP	P	00 50 02.0	-0.5
BOD	comp=Z,101nm,1.4s		Pmax	Pmax		
DAV	Davao City (W)	30.77 212	PFAKE	LR	00 50 20.0	+1.1
LZH	Lanzhou	30.78 284	eP	P	00 50 07.5	-2.2
LZH	LZH		sP	sP	00 50 16.3	-1.4
LZH	LZH		Pn	Pn	00 51 12.1	+2.0
LZH	LZH		eS	S	00 53 07.4	+0.8
LZH	LZH		eS	S	00 55 04.8	-6.7
LZH	LZH		SS	SS	00 56 50.0	-0.9
LZH	comp=Z,30nm,1.1s		Pmax	Pmax		
LZH	comp=Z,200nm,5.2s		Pmax	Pmax		
LZH	comp=Z,2um,13.7s		LR	LR		
LZH	comp=Z,2um,16.3s		LR	LR		
LZH	comp=Z,7um,17.2s		LR	LR		
GUI	Guiyang	30.98 265	iP	P	00 50 09.9	-1.6
GYA	GYA		sP	sP	00 50 23.0	+0.1
GYA	GYA		sP	sP	00 50 27.8	+8.3
GYA	GYA		Pn	Pn	00 51 15.3	+2.5
GYA	GYA		Pc	Pc	00 53 09.4	+2.1
GYA	GYA		S	S	00 55 10.5	-4.2
GYA	GYA		sS	sS	00 55 31.0	+3.0
GYA	GYA		Sc	Sc	00 56 47.8	-0.4
GYA	GYA		SS	SS	00 56 57.4	+1.4
GYA	comp=Z,30nm,0.8s		Pmax	Pmax		
GYA	comp=Z,200nm,6.8s		Pmax	Pmax		
GYA	comp=Z,2um,15.3s		LR	LR		
GYA	comp=Z,5um,14.6s		LR	LR		
GYA	comp=Z,7um,14.6s		LR	LR		
CD2	Chengdu	31.92 275	P	P	00 50 18.8	-0.8
CD2	CD2		sP	sP	00 50 34.1	+3.1
CD2	CD2		PP	PP	00 51 30.9	-0.9
CD2	CD2		Pc	Pc	00 53 09.0	-0.6
CD2	CD2		S	S	00 55 22.4	-6.7
CD2	CD2		sS	sS	00 55 45.3	+2.9
CD2	comp=Z,60nm,0.7s		Pmax	Pmax		
CD2	comp=Z,540nm,10.0s		LR	LR		
CD2	comp=Z,13um,15.6s		LR	LR		
QIZ	Qiongzong	31.97 250	P	P	00 50 20.1	0.0
QIZ	QIZ		sP	sP	00 50 31.4	-0.1
QIZ	QIZ		PP	PP	00 51 28.6	+3.0
QIZ	QIZ		S	S	00 55 29.3	-0.7
QIZ	comp=Z,38nm,1.6s		Pmax	Pmax		
QIZ	comp=Z,310nm,4.5s		LR	LR		
QIZ	comp=Z,1um,18.6s		LR	LR		
QIZ	comp=Z,2um,16.8s		LR	LR		
QIZ	comp=Z,2um,14.9s		LR	LR		
QIZ	Qiongzong	31.97 250	PFAKE	LR	00 50 30.0	+1.0
QIZ	QIZ		LR	LR		
IRK	Irkutsk	32.16 316	eP	P	00 50 22.0	+0.6
ZAK	Zakamensk	32.19 312	eP	P	00 50 21.8	-0.1
ZAK	comp=Z,116nm,3.1s		Pmax	Pmax		
TLY	Talaya	32.34 314	iP	P	00 50 24.0	+0.9
TLY	TLY		e	S	00 51 51.0	
TLY	TLY		eS	S	00 55 39.9	+4.6
TLY	comp=Z,48nm,1.4s		Pmax	Pmax		
TLY	TLY		MLR	MLR		
TLY	comp=Z,7um,15.0s		P	P	00 50 25.5	+2.4
TLY	comp=Z,60nm,1.0s		LR	LR		
TLY	comp=Z,6um,20.0s		LR	LR		
GTA	Gaotai	33.61 291	iP	P	00 50 33.5	-0.9
GTA	GTA		sP	sP	00 50 47.0	+1.1
GTA	GTA		sP	sP	00 51 45.9	-0.5
GTA	GTA		Pn	Pn	00 56 14.1	+0.5
GTA	GTA		Pc	Pc	00 58 30.6	+3.7
GTA	GTA		S	S	00 55 51.3	-4.2
GTA	comp=Z,14nm,1.5s		Pmax	Pmax		
GTA	comp=Z,590nm,5.9s		Pmax	Pmax		
GTA	comp=Z,4um,15.9s		LR	LR		
GTA	comp=Z,4um,14.5s		LR	LR		
GTA	comp=Z,4um,14.7s		LR	LR		
MOY	Mondy	33.92 313	eP	P	00 50 37.3	+0.3
MOY	comp=Z,66nm,4.0s		Pmax	Pmax		
ADK	Adak	34.69 46	PFAKE	LR	00 51 00.0	+1.7
KMI	Kunming	34.76 265	P	P	00 50 48.4	+3.8
KMI	KMI		sP	sP	00 50 57.3	+1.3
KMI	KMI		sP	sP	00 51 02.5	+1.0
KMI	KMI		S	S	00 56 14.1	+0.5
KMI	KMI		sS	sS	00 58 30.6	+3.7
KMI	KMI		SS	SS	00 58 31.9	+4.1
KMI	comp=Z,17nm,0.9s		Pmax	Pmax		
KMI	comp=Z,4um,15.6s		LR	LR		
KMI	comp=Z,7um,15.2s		LR	LR		
KMI	comp=Z,3um,16.0s		LR	LR		
MIDW	Midway	35.45 88	PFAKE	LR	00 51 00.0	+1.0
MIDW	comp=Z,4um,19.0s		LR	LR		
MYDM	Lahad Datu	35.93 222	eP	P	00 50 54.9	+0.4
JAY	Jayaपुरा	36.52 181	P	P	00 51 01.1	+1.6
KKM	Kota Kinabalu	36.54 226	PFAKE	LR	00 51 10.0	+1.0
GENI	Genyem	36.61 182	P	P	00 51 02.3	+2.1
BILL	Bilibino	36.72 15d	iP	P	00 51 00.1	-0.6
BILL	BILL		e	S	00 51 10.1	
BILL	BILL		eS	S	00 52 25.5	
BILL	BILL		eS	S	00 56 40.2	-2.

16d Oh

Table with columns: HNR, Honiara, 46.76 155, LR, LR, 01 13 20.9, etc. Lists various locations and their associated data points.

2011 NOV

Table with columns: KSH, comp=Z,320nm,6.3s, pmax, pmax, etc. Lists various locations and their associated data points.

844

Table with columns: DZET, comp=Z,47nm,1.1s, pmax, pmax, 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 MOS, F04D, D05A, G03D, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like TBLG, UOSS, I07A, KBZ, KIV, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ANN, YERR, WAKR, FFC, etc.



Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like SORM Soroca, SFJD Kangerlussuaq, SFJZ Kangerlussuaq, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like ANTO, BR231 Keskin MP Arra, SWSC Sam W. Stewart, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like PSZ, VYHS Yvonne, VYHS Yvonne, etc.



16d 0h

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like Waltham Townsh, Meyer Ranch, Passleys Farm, etc.

2011 NOV

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like Martinsville, Villasalto, Lockesburg, etc.

848

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like Las Campanas, Paso Flores, etc.

ISCJB 16:00:45:27.3:1.2,37.795:0.05:179.98E:0.07,h15km,10km, mb4.7/4, Error ellipse: s-maj=9.4km s-min=7.5km az=153.8

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like Waiomatatini S, Matakaoa Point, Puketiti, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like PXZ Pawanui, KRHZ Kereru, KUO Kuaotunu, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like ODD Otahua Downs, AFI Afiamalu, ASAR Alice Springs, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like WRI Warramunga Arr, WRA Warramunga Arr, AS31 Alice Springs, etc.





BBRC	Big Bear Solar	74.50	46	P	P	01 55 20.7 +0.6
KRMF	Red Mountain	74.53	36	eP	P	01 55 21.5 +1.5
SWSC	Sam W. Stewart	74.55	48	eP	P	01 55 20.6 +0.5
PEA0B	Petrovavlovsk	74.56	342	eP	P	01 55 20.0 +0.4
PETK	Petrovavlovsk	74.56	342	eP	P	01 55 20.2 +0.6
CHGN	Chignik	74.60	9	eP	P	01 55 19.7 -0.1
AFDM	Forest Hills D	74.62	40	eP	P	01 55 21.1 +0.7
LRMC	Laurel Mtn Rd	74.67	44	eP	PP	01 58 02.1 -5.7
ORV	Oroville	74.68	39	eP	P	01 55 21.6 +0.7
ORV	Oroville	74.68	39	eP	P	01 55 21.1 +0.4
ORV	Oroville	74.68	39	eP	P	01 55 21.1 +0.4
WDC	Whiskeytown Da	74.71	38	eP	PP	01 58 05.6 -2.7
WDC	Whiskeytown Da	74.71	38	eP	PP	01 55 21.3 +0.5
WDC	Whiskeytown Da	74.71	38	eP	PP	01 55 21.3 +0.5
RRX	Edison Barstow	74.79	45	eP	PP	01 58 06.7 -1.8
YBO	Bosley Butte	74.81	36	eP	P	01 55 22.4 +0.9
N02D	Trinity Center	74.86	37	P	P	01 55 23.1 +1.3
CWC	Cottonwood Cre	74.96	43	P	P	01 55 23.5 +0.9
O03D	Paynes Creek	74.96	38	P	P	01 55 22.9 +0.5
BELC	Belle Mtn, Jos	74.99	47	P	P	01 55 23.5 +0.7
M02C	Callahan	75.05	37	P	P	01 55 24.3 +1.4
L02D	Cave Junction	75.12	36	P	P	01 55 24.7 +1.5
MPMC	Manual Prospec	75.13	44	P	P	01 55 24.5 +0.9
GSC	Goldstone, Bar	75.16	45	eP	P	01 55 24.4 +0.7
GSC	Goldstone, Bar	75.16	45	eP	P	01 55 24.5 +0.9
GSC	Goldstone, Bar	75.16	45	eP	P	01 55 24.5 +0.9
MLAC	Mammoth, Mammo	75.17	42	P	P	01 55 24.9 +1.0
BC3	Big Chucackaw	75.18	47	P	P	01 55 24.8 +1.0
DAC	Darwin (Calif)	75.19	44	eP	P	01 55 23.8 -0.1
DAC	Darwin (Calif)	75.19	44	eP	P	01 55 23.8 -0.1
YSS	Yuzh-Sakhalins	75.21	331	eP	P	01 55 22.6 -0.9
YSS	Yuzh-Sakhalins	75.21	331	eP	P	01 55 22.6 -0.9
HEC	Hector, Ludlow	75.22	46	P	P	01 55 24.4 +0.5
TIN	Tinemaha, Big	75.22	43	P	P	01 55 25.1 +1.1
GLA	Glamis	75.29	48	P	P	01 55 25.4 +1.0
GLA	Glamis	75.29	48	P	P	01 55 25.9 +1.5
GLA	Glamis	75.29	48	P	P	01 55 25.9 +1.5
WAKR	Walker	75.31	41	eP	P	01 55 25.6 +1.0
WAKR	Walker	75.31	41	eP	P	01 55 25.6 +1.0
YBH	Yreka Blue Hor	75.35	37	eP	PP	01 58 12.9 -1.0
YBH	Yreka Blue Hor	75.35	37	eP	PP	01 55 25.9 +1.3
YBH	Yreka Blue Hor	75.35	37	eP	PP	01 55 25.9 +1.3
PNTR	Pine Nut	75.56	41	eP	PP	01 58 14.0 0.0
PNTR	Pine Nut	75.56	41	eP	PP	01 55 27.5 +1.5
BEKR	Beckworth	75.56	40	eP	P	01 55 26.8 +0.8
GMRC	Granite Mounta	75.65	46	P	P	01 55 27.2 +0.6
IRM	Iron Mountain	75.67	47	P	P	01 55 27.5 +1.0
STKI	Sintang	75.68	275	P	P	01 55 36.0 +9.0
SBUM	Sibu	75.72	277	PFAKE	LR	01 55 40.0 +1.3
YERR	Yerington	75.72	41	eP	P	01 55 27.9 +1.0
YERR	Yerington	75.72	41	eP	PP	01 58 17.0 -0.3
GRAC	Grapevine Rang	75.75	43	P	P	01 55 28.3 +1.4
HUMO	Hull Mountain	75.78	36	eP	P	01 55 28.9 +1.9
FURC	Furnace Creek,	75.78	44	P	P	01 55 27.9 +0.8
TUQ	Turquoise Moun	75.83	45	P	P	01 55 28.3 +0.7
SHOC	Shoshone, Teco	75.85	45	P	P	01 55 28.1 +0.6
M04C	Macdoel	75.88	37	P	P	01 55 28.7 +1.0
Y12C	Blythe	75.88	47	P	P	01 55 28.6 +0.9
Y12C	Blythe	75.88	47	P	P	01 55 29.1 +1.4
Y12C	Blythe	75.88	47	P	PP	01 58 16.7 -1.9
113A	Mohawk Valley,	75.90	49	eP	PP	01 55 28.5 +0.7
PAHR	Pah Rah Rang	76.06	40	eP	PP	01 58 12.7 -6.0
PAHR	Pah Rah Rang	76.06	40	eP	PP	01 55 29.8 +1.0
HSIG	High Sierra	76.09	53	eP	PP	01 58 18.6 -1.6
HSIG	High Sierra	76.09	53	eP	PP	01 55 28.8 -0.2
214A	Organ Pipe Nat	76.17	50	P	P	01 55 30.3 +0.8
LDFC	Landfair	76.19	46	eP	P	01 55 30.7 +1.1
I03D	Drain, OR	76.27	35	P	P	01 55 30.7 +1.0
OHAK	Old Harbor	76.33	11	eP	P	01 55 29.6 0.0
NEE2	Needles Airpor	76.36	47	P	P	01 55 31.2 +0.9
PDMCI	Parker Dam, Lak	76.44	47	P	P	01 55 31.8 +0.9
TPNV	Topopah Spring	76.46	44	eP	P	01 55 32.2 +1.0
TPNV	Topopah Spring	76.46	44	eP	P	01 55 31.9 +0.8
TPNV	Topopah Spring	76.46	44	eP	P	01 55 31.9 +0.8
K04D	Chiloquin, OR	76.47	37	P	PP	01 58 17.7 -5.9
J04D	Umpqua Nationa	76.66	36	P	P	01 55 33.4 +1.2
I04A	Tendick Farm,	76.85	35	P	P	01 55 33.8 +0.8
MOD	Modoc Plateau	76.85	38	eP	P	01 55 34.0 +0.8
MOD	Modoc Plateau	76.85	38	eP	PP	01 58 25.2 -1.5
SHPR	Sheep Range	76.94	45	eP	PP	01 55 34.8 +0.9
KDAK	Kodiak Island	76.98	11	eP	P	01 55 34.5 +1.1
KDAK	Kodiak Island	76.98	11	eP	P	01 55 34.5 +1.1
W13A	Hualapai Mount	77.05	47	eP	P	01 55 35.5 +0.9
Y14A	Wickenburg	77.05	48	eP	P	01 55 35.1 +0.7
J05D	Fort Rock, OR	77.18	36	P	PP	01 58 26.5 -2.0
J05D	Fort Rock, OR	77.18	36	P	PP	01 55 36.2 +1.1
KSM	Kuching	77.22	276	PFAKE	LR	01 55 50.0 +1.4
G03D	McMinnville, O	77.31	34	P	P	01 55 36.6 +1.1
KSR5	Korea Array	77.53	316	P	P	01 55 38.3 +1.4
KSR5	Korea Array	77.53	316	P	LR	02 24 52.2
H04A	Detroit Lake	77.55	35	eP	P	01 55 37.9 +1.0

KSAR	Wonju Array Be	77.55	316	P	P	01 55 38.3 +1.3
KSAR	Wonju Array Be	77.55	316	P	P	01 55 38.3 +1.3
KS01	Wonju Array Si	77.56	316	eP	PP	01 58 31.8 -0.8
F03A	Seaside	77.63	33	eP	PP	01 55 38.9 +1.6
R11A	Troy Canyon, C	77.68	43	P	P	01 55 38.7 +0.7
R11A	Troy Canyon, C	77.68	43	P	P	01 55 38.5 +0.5
R11A	Troy Canyon, C	77.68	43	P	PP	01 55 38.7 -1.2
I05D	Terrebonne, OR	77.79	35	P	PP	01 55 39.3 +1.0
BMN	Battle Mountai	77.83	41	eP	P	01 55 39.7 +1.0
BMN	Battle Mountai	77.83	41	eP	P	01 55 39.7 +1.0
TUC	Tucson	77.83	50	P	P	01 55 40.0 +1.2
TUC	Tucson	77.83	50	P	P	01 55 40.0 +1.2
TUC	Tucson	77.83	50	P	P	01 55 40.0 +1.2
F04D	Rainier, OR	78.02	33	P	P	01 55 40.6 +1.2
E03A	Lebam	78.03	33	eP	P	01 55 40.6 +1.1
TYV	Tymovskoe	78.13	333	eP	P	01 55 40.0 +0.1
WVOR	Wild Horse Val	78.16	38	eP	P	01 55 41.1 +0.6
WVOR	Wild Horse Val	78.16	38	eP	P	01 55 41.1 +0.6
WVOR	Wild Horse Val	78.16	38	eP	PP	01 58 37.1 -0.6
F04A	Amboy	78.23	34	eP	P	01 55 40.7 +0.1
G05D	Wamic, OR	78.38	35	P	P	01 55 42.4 +0.9
INCN	Inchon	78.41	315	eP	P	01 55 40.1 -1.7
INCN	Inchon	78.41	315	eP	LR	
X16A	Lo Mia Camp, P	78.41	48	eP	P	01 55 43.4 +1.3
NLWA	Neilton Lookou	78.44	32	eP	P	01 55 43.5 +1.6
NLWA	Neilton Lookou	78.44	32	eP	LR	
319A	Douglas	78.49	52	eP	P	01 55 43.9 +1.3
LCMT	Little Creek M	78.51	45	eP	P	01 55 43.5 +0.9
I07A	Izee	78.66	37	eP	P	01 55 43.6 +0.5
I07A	Izee	78.66	37	eP	PP	01 58 41.2 -0.6
CCUT	Cedar City	78.71	45	eP	P	01 55 44.2 +0.4
G06A	Carlson Farm,	78.75	35	eP	P	01 55 44.5 +0.9
G06A	Carlson Farm,	78.75	35	eP	LR	
KNB	Kanab	78.80	45	eP	P	01 55 45.4 +1.2
KNB	Kanab	78.80	45	eP	P	01 55 45.4 +1.2
J08A	Circle Bar Ran	78.81	38	eP	P	01 55 44.8 +0.8
J08A	Circle Bar Ran	78.81	38	eP	PP	01 58 41.6 -1.5
U15A	North Rim	78.85	46	eP	PP	01 55 45.9 +1.2
CNPM	China Pool	78.87	11	eP	P	01 55 42.8 -1.0
PSUT	Pine Spring	78.92	44	eP	P	01 55 46.3 +1.4
PSUT	Pine Spring	78.92	44	eP	PP	01 58 44.0 -0.2
SZCU	Shurtz Canyon	78.92	45	eP	PP	01 55 46.4 +1.4
SZCU	Shurtz Canyon	78.92	45	eP	PP	01 58 42.7 -1.6
USRK	Ussuriysk Ar.	78.95	323	eP	PP	01 55 45.3 +0.7
USRK	Ussuriysk Ar.	78.95	323	eP	PP	02 23 47.3
WUAZ	Wupatki	79.02	47	P	P	01 55 46.4 +1.0
WUAZ	Wupatki	79.02	47	P	P	01 55 46.8 +1.3
WUAZ	Wupatki	79.02	47	P	PP	01 58 43.2 -1.8
WUAZ	Wupatki	79.02	47	P	PP	01 55 46.1 +0.7
LON	Longmire	79.08	33	eP	P	01 55 46.1 +0.7
LON	Longmire	79.08	33	eP	P	01 55 46.1 +0.7
D05A	Enumclaw	79.27	33	eP	P	01 55 48.0 +1.7
HPIG	High Peak	79.28	57	eP	P	01 55 47.3 +0.2
PKCU	Pink Cliffs	79.37	45	eP	P	01 55 50.1 +2.6
RSD	Redoubt South	79.47	10	eP	P	01 55 47.7 +0.3
PGC	Sidney	79.49	31	eP	P	01 55 48.7 +1.3
X18A	Snowflake	79.53	49	eP	P	01 55 49.2 +0.9
G08A	Pilot Rock	79.71	36	eP	P	01 55 49.5 +0.5
MTPU	Mount Pierson	79.76	45	eP	P	01 55 51.5 +1.8
TCRU	Three Creeks R	79.89	44	eP	P	01 55 52.3 +2.1
A04D	Lummi Island	79.91	31	P	P	01 55 50.8 +1.1
B05A	Bryant	79.92	32	P	P	01 55 50.6 +0.9
W18A	Petrified Fore	79.98	48	P	P	01 55 51.8 +1.1
W18A	Petrified Fore	79.98	48	P	P	01 55 51.5 +0.8
W18A	Petrified Fore	79.98	48	P	PP	01 58 47.6 -5.5
E07A	Sunnyside	80.00	34	eP	P	01 55 51.4 +1.0
LTY	Liberty	80.00	33	eP	P	01 55 51.1 +0.7
HABR	Khabarovsk	80.01	328	eP	P	01 55 48.3 -2.0
HABR	Khabarovsk	80.01	328	eP	P	01 55 55.6

CN2	Changchun	82.58	320	↑P	P	01 56 05.1 +1.1
CN2				eS	S	02 06 17.0 -1.3
CN2	comp=Z,20nm,0.8s			pmax	pmax	
CN2	comp=Z,200nm,5.0s			LR	LR	
CN2	comp=Z,300nm,18.0s			LR	LR	
CN2	comp=Z,500nm,18.0s			LR	LR	
TRF	Thorofare Moun	82.69	10	eP	P	01 56 04.5 +0.1
HARP	HAARP	82.73	13	eP	P	01 56 05.3 +0.9
SKAG	Skagway	82.76	19	eP	P	01 56 05.6 +1.0
DHY	Denali Highway	82.88	12	eP	P	01 56 05.5 +0.2
RND	Reindeer	82.90	11	eP	P	01 56 05.6 +0.2
RND	Reindeer	82.90	11	eP	P	01 56 05.6 +0.2
MCMT	McKenzie Canyo	82.97	39	eP	P	01 56 07.9 +1.5
MCMT				eS	S	02 06 25.8 +2.9
PAX	Paxson	83.16	13	PF	FAKE	01 56 20.0 +1.3
PAX				LR	LR	
BPAW	comp=Z,400nm,20.0s					
BPAW	Bear Paw Mtn	83.18	10	eP	P	01 56 06.0 -0.8
MCK	McKinley	83.19	11	eP	P	01 56 06.5 -0.3
MCK				pmax	pmax	
MCK	comp=Z,72nm,0.8s					
MCK	McKinley	83.19	11	eP	P	01 56 06.5 -0.3
HYT	Haines Junctio	83.24	17	eP	P	01 56 07.9 +0.7
S22A	4UR Ranch, Cre	83.29	47	eP	P	01 56 09.6 +1.3
S22A	4UR Ranch, Cre	83.29	47	eP	P	01 56 09.4 +1.1
REDW	Red Top Meadow	83.41	41	eP	P	01 56 09.7 +1.1
DLMT	Dillon	83.41	38	eP	P	01 56 09.5 +0.9
DLMT				LR	LR	
TPAW	Teton Pass	83.41	41	eP	P	01 56 10.0 +1.3
MSO	Misoula	83.44	37	eP	P	01 56 08.5 -0.1
MSO	Misoula	83.44	37	eP	P	01 56 08.5 -0.1
FXWY	Fox Creek	83.44	40	eP	P	01 56 09.6 +0.8
FXWY	comp=Z,64nm,1.3s					
FXWY	White River Ci	83.47	45	ePP	PP	01 59 20.7 -0.8
O20A	White River Ci	83.47	45	eP	P	01 56 09.8 +0.8
MENT	Mentasta	83.51	13	eP	P	01 56 06.2 -2.2
SNOW	Snow King Moun	83.52	41	eP	P	01 56 09.9 +0.6
QIZ	Qiongzong	83.54	292	eP	P	01 56 08.6 +0.1
QIZ				S	S	02 06 26.9 -2.1
QIZ				pmax	pmax	
BSMT	Bassoo Peak	83.54	35	ePP	PP	01 56 09.2 0.0
BSMT				ePP	PP	01 56 09.0 -0.5
LNIG	Linares	83.55	62	eP	P	01 56 11.2 +1.3
IMW	Indian Meadow	83.63	40	eP	P	01 59 21.7 -1.5
IMW	comp=Z,75nm,1.2s					
MOOW	Moose Ponds	83.67	40	ePP	PP	01 59 21.5 -2.0
MOOW				ePP	PP	01 56 10.7 +1.1
DLBC	Dease Lake	83.69	21	eP	P	01 56 11.2 +1.1
LOHW	Long Hollow	83.69	41	eP	P	01 56 11.2 +1.1
LRM	Limekiln Ridge	83.75	38	eP	P	01 56 11.4 +1.1
JTMT	Jette	83.76	36	eP	P	01 56 10.9 -0.4
SWMT	Swartz Lake	83.79	36	eP	P	01 56 10.2 -0.2
QLMT	Earthquake Lak	83.82	39	eP	P	01 56 12.1 +1.3
WHY	Whitehorse	83.86	18	eP	P	01 56 11.6 +1.2
SMCO	Snowmass	83.87	46	eP	P	01 56 12.3 +1.0
SMCO	comp=Z,33nm,0.8s					
CHMT	comp=Z,2um,18.0s					
CHMT	Chamberlain M	83.88	37	eP	P	01 56 10.9 0.0
YPP	Pitchstone Pla	83.91	40	eP	P	01 56 12.5 +1.2
YPP	comp=Z,52nm,1.6s					
BW06	Boulder Array	83.92	42	eP	P	01 59 24.0 -1.4
BW06				ePP	PP	01 56 11.4 +0.1
BW06	Boulder Array	83.92	42	eP	P	01 56 11.2 -0.1
BW06	comp=Z,43nm,1.1s					
PD31	Pinedale Array	83.92	42	eP	P	01 56 11.5 +0.2
PDAR	Pinedale Array	83.92	42	eP	P	01 56 11.8 +0.5
PDAR	comp=Z,29nm,1.0s,baz=214,slow=3.7,SNR=147			LR	LR	02 25 45.4
PDAR	comp=Z,433nm,21.9s,baz=250,slow=30					
PDAR	Pinedale Array	83.92	42	eP	P	01 56 11.6 +0.3
SLMT	Seeley Lake	83.92	36	eP	P	01 56 11.1 0.0
YHB	Horse Butte	83.92	39	eP	P	01 56 12.6 +1.3
YFT	Old Faithful	83.98	40	eP	P	01 56 13.3 +1.7
WRH	Wood River Hill	84.02	11	eP	P	01 56 11.2 +0.2
YMR	Madison River	84.02	40	eP	P	01 56 12.8 +1.1
DOT	Dot Lake	84.06	13	eP	P	01 56 11.1 -0.2
DOT	comp=Z,125nm,1.0s					
DOT	Manley	84.09	10	ePP	PP	01 59 26.8 +0.9
DOT	comp=Z,44nm,1.0s					
BOZ	Bozeman (W)	84.11	39	eP	P	01 56 12.8 +0.7
BOZ	Bozeman (W)	84.11	39	eP	P	01 56 12.2 +0.1
BOZ	Bozeman (W)	84.11	39	eP	P	01 56 12.2 +0.1
BOZ	comp=Z,810nm,20.0s					
H17A	Grant Village	84.11	40	eP	P	01 56 14.0 +1.7
H17A	Grant Village	84.11	40	eP	P	01 56 13.3 +1.0
YHH	Holmes Hill	84.15	40	eP	P	01 56 14.1 +1.6
YHH	comp=Z,82nm,1.4s					
HDA	Harding Lake	84.17	11	ePP	PP	01 59 28.4 +1.0
YNR	Norris Junction	84.22	40	eP	P	01 56 13.8 +1.0
SDCO	Great Sand Dun	84.23	48	eP	P	01 56 13.6 +0.6
SDCO	Great Sand Dun	84.23	48	eP	P	01 56 13.3 +0.2
SDCO	comp=Z,49nm,1.3s					
CCB	Clear Creek Bu	84.23	11	eP	P	01 56 11.8 -0.2
CCB	comp=Z,70nm,0.8s					
LVIG	Laguna Verde	84.27	67	ePP	PP	01 59 24.5 -2.7
LVIG	comp=Z,41nm,1.1s					
LKWY	Lake	84.31	40	eP	P	01 56 15.0 +1.7
LKWY	comp=Z,63nm,1.2s					
LKWY	comp=Z,503nm,19.0s					
LKWY	Lake	84.31	40	eP	P	01 56 15.0 +1.7
LKWY	comp=Z,63nm,1.2s					
LKWY	comp=Z,503nm,19.0s					
COLA	College	84.43	11	eP	P	01 56 13.5 +0.5
COLA	College	84.43	11	eP	P	01 56 13.5 +0.5
COLA	College	84.43	11	eP	P	01 56 13.5 +0.5
COLA	comp=Z,136nm,0.8s					
COLA	comp=Z,700nm,21.0s					

MDM	Murphy Dome	84.44	11	eP	P	01 56 12.9 -0.3
MDM	comp=Z,109nm,1.1s					
SEY	Seymchan	84.48	345	iP	P	01 56 12.4 -0.9
IL1	Eielson Array	84.51	11	eP	P	01 56 13.0 -0.5
ILAR	Eielson Array	84.51	11	eP	P	01 56 13.5 0.0
ILAR	comp=Z,17nm,0.7s,baz=217,slow=5.8,SNR=119			LR	LR	02 27 03.6
ILB	Eielson Array	84.51	11	eP	P	01 56 13.3 -0.1
MHTCO	State Highway	84.52	48	eP	P	01 56 14.8 +0.3
IMAR	Indian Mountai	84.55	8	eP	P	01 56 14.3 +0.7
MSTX	Muleshoe	84.56	52	eP	P	01 56 15.2 +0.6
MSTX	comp=Z,125nm,1.0s					
MSTX	Muleshoe	84.56	52	eP	P	01 56 15.1 +0.5
HRY	Holter Researc	84.59	38	eP	P	01 56 15.4 +0.9
WALA	Waterton Lakes	84.71	35	eP	P	01 56 15.3 +0.3
WALA	comp=Z,45nm,1.1s					
T25A	Trinidad	84.73	49	eP	P	01 56 16.1 +0.5
T25A	Trinidad	84.73	49	eP	P	01 56 16.3 +0.7
933A	Laredo	84.74	59	eP	P	01 56 16.6 +1.0
933A	comp=Z,30nm,1.1s					
933A	comp=Z,247,SNR=6.6					
933A	Rawlins	84.90	44	eP	P	01 56 16.0 -0.4
833A	Chaparral W2A	84.92	58	eP	P	01 56 17.3 +0.9
833A	comp=Z,73nm,1.2s					
034A	Hebbronville	85.02	60	eP	P	01 56 18.8 +1.9
034A	comp=Z,248,SNR=8.9					
Q24A	Divide	85.03	47	eP	P	01 56 17.7 +0.6
Q24A	Divide	85.03	47	eP	P	01 56 17.7 +0.6
ISCO	Idaho Springs	85.09	46	eP	P	01 56 17.9 +0.6
ISCO	Idaho Springs	85.09	46	eP	P	01 56 18.3 +0.9
ISCO	Idaho Springs	85.09	46	eP	P	01 56 18.3 +0.9
ISCO	comp=Z,9.3nm,1.0s			LR	LR	
ISCO	comp=Z,298nm,19.0s					
RLMT	Red Lodge	85.29	40	eP	P	01 56 18.8 +0.7
RLMT	Red Lodge	85.29	40	eP	P	01 56 19.3 +1.1
RLMT	comp=Z,30nm,1.3s					
934A	Benavides	85.36	59	eP	P	01 56 20.3 +1.7
934A	comp=Z,248,SNR=6.2					
N23A	Red Feather La	85.37	45	eP	P	01 56 19.2 +0.5
N23A	comp=Z,242					
N23A	Red Feather La	85.37	45	eP	P	01 56 18.8 +0.1
N23A	comp=Z,17nm,1.2s					
JCTM	Greyhilt	85.39	39	eP	P	01 56 19.3 +0.8
JCTM	Junction City	85.43	56	eP	P	01 56 19.1 +0.2
JCT	Junction City	85.43	56	eP	P	01 56 19.6 +0.6
JCT	Junction City	85.43	56	eP	P	01 56 19.6 +0.6
JCT	comp=Z,20nm,0.9s			LR	LR	
DAWY	Dawson	85.47	14	eP	P	01 56 18.9 +0.6
DAWY	comp=Z,63nm,0.9s					
EGAK	Eagle	85.67	13	eP	P	01 56 20.1 +0.8
EGAK	comp=Z,47nm,0.9s					
EGAK				ePP	PP	01 59 38.6 -0.3
EGAK				LR	LR	
AMTX	comp=Z,751nm,22.0s					
AMTX	Amarillo	85.76	52	eP	P	01 56 21.1 +0.5
AMTX	comp=Z,245					
AMTX	Amarillo	85.76	52	eP	P	01 56 21.4 +0.8
AMTX	comp=Z,80nm,0.9s					
MAW	Mawson	85.78	199	eP	P	01 56 20.9 +0.9
MAW	comp=Z,8.9nm,0.7s,baz=134,slow=6.5,SNR=24			LR	LR	02 32 18.2
MAW	Mawson	85.78	199	eP	P	01 56 20.6 +0.7
MAW	comp=Z,370nm,20.9s,baz=73,slow=34					
MAW	Mawson	85.78	199	eP	P	01 56 20.6 +0.7
MAW	comp=Z,2.0nm,0.7s					
MAW	Mawson	85.78	199	eP	P	01 56 20.6 +0.7
MAW	comp=Z,1.8nm,0.7s					
K22A	Casper	85.81	43	eP	P	01 56 20.8 +0.1
K22A	Casper	85.81	43	eP	P	01 56 20.0 -0.7
K22A	comp=Z,2.1nm,1.3s					
K22A	Casper	85.81	43	eP	P	01 59 35.4 -5.4
PHWY	Pilot Hill	85.88	44	ePP	PP	01 56 21.6 +0.3
PHWY	comp=Z,23nm,1.4s					
PHWY				LR	LR	
ABTX	Abilene, Hawle	86.40	54	eP	P	01 56 24.4 +0.7
ABTX	comp=Z,300nm,19.0s					
ABTX	Abilene, Hawle	86.40	54	eP	P	01 56 24.3 +0.6
ABTX	comp=Z,156nm,0.9s					
FYU	Fort Yukon	86.43	11	eP	P	01 56 23.2 +0.2
EGMT	Eagleton	86.48	37	eP	P	01 56 24.2 +0.4
EGMT	comp=Z,14nm,0.6s					
EGMT	Eagleton	86.48	37	eP	P	01 56 23.7 -0.1
EGMT	comp=Z,42nm,1.4s					
EGMT				ePP	PP	01 59 45.0 -1.0
EGMT				LR	LR	
BILL	Bilbino	86.54	353	eP	P	01 56 23.8 +0.3
BILL				e	e	01 56 34.6
BILL				e	e	01 59 49.2
BILL				ePP	PP	02 01 41.2
BILL				pmax	pmax	
BILL	comp=Z,86nm,1.2s					
BILL				MLR	MLR	
BILL	comp=Z,106nm,16.0s					
BJT	Baijiatuu	86.78	314	eP	P	01 56 26.0 +0.7
BJT	comp=Z,16nm,0.7s					
BJT	comp=Z,298nm,19.0s					
BJT	Baijiatuu	86.78	314	eP	P	01 56 26.0 +0.7
BJT	comp=Z,16nm,0.7s					







16d 2h

Table of astronomical observations for 16d 2h, listing station names, coordinates, and observation details.

2011 NOV

Main table of astronomical observations for 2011 NOV, including station names, coordinates, and observation details.

856

Table of astronomical observations for 856, including station names, coordinates, and observation details.

Table with columns: HAZ, Te, Kaha, 1.59 262, PN, Pn, 02 28 40.7 -0.8, AML, AML, 02 29 02.4, 02 29 04.7, 02 28 42.3 -0.5, 02 28 43.2 -0.6, Raukumara Rang, Te Karaka, Matawai, Rimuhau, Mahia Peninsula, Kokohu, Urewera, Whale Island, Ruataniwha, Waihua, Marupata, Mangataniwha, Mount Tarawera, Aropoanui, Black Stump Fm, McNeill Hill, Kahuranaki, Kaweka Forest, Kuaotunu, Pawanui, Kereru, Black Hill Sta, Karewarewa, Porangahau, Pukenui, Moawhango, Angora Road, Dannevirke, Birch Farm, Pori Road, Post Office Ro, Mangataniwha R, Holdsworth Sta, Mount Morrison, Kapiti Island, Paruwai Farm, Tophouse, Chatham Island

ISCJB 16 02:28:45.0:1.3,37.8S:0.1x179.93E:0.09,h29km, mb3.6/2, Error ellipse: s-maj=15.4km s-min=9.4km az=15.0

IDC 16 02:28:45.5:1.6,37.28S:179.47E,h0km,mb3.8/2, mb1.4/0.3,mb1mx3.7/24,mbtmp3.9/3,ML3.7/1, Error ellipse: s-maj=49.6km s-min=30.4km az=158.0

WEL 16 02:28:48.3:0.6,37.56S:179.70E,h12km,ML4.2/35, Error ellipse: s-maj=5.1km s-min=4.0km az=0.0

ISC 16 02:28:48.6:1.3,37.7S:0.1x179.72E:0.09,h29km,n41, c1545/21, Off east coast of North Island

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, WMGZ, Waiomatatini S, MXZ, Matakaoa Point, Puketiti, Pakihiroa, Carnagh Statio, Te Kaha, Rimuhau, Matawai, Mahia Peninsula, Kokohu, Urewera, Waihua, Mount Tarawera, Aropoanui, Black Stump Fm, McNeill Hill, Kahuranaki, Kaweka Forest, Pawanui, Kereru, Kuaotunu, Black Hill Sta, Porangahau, Pukenui, Moawhango, Angora Road

Table with columns: ANWZ, Dannevirke, Birch Farm, Mangataniwha R, Holdsworth Sta, Mount Morrison, Kapiti Island, Paruwai Farm, Alice Springs, Warramunga Arr, ARCES Array B, FINES Array B, Torodi Ar, Bea, Mex 16 02:34:48.2:0.5,15.96N:95.89W,h57km,6km,MD3.6, Near coast of Oaxaca

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, HUG, Huatulco, VISTA, Vista Hermosa, PINOT, Pinotepa, PCIG, PCIG

JMA 16 02:40:50.8:0.2,38.58N:144.64E,h49km,M3.5, Off east coast of Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, OFUJ, Ofunato, ICHIN, Ichinoseki, OHAS, Ohasama, OTAMA, Otama, CHUR, Churui, RYOG, Ryogami san, ABASH, Abashiri-Toko

MNC 16 02:46:45.9:1.9,39.29N:71.72E,h0km,mb2.9,mpv2.5, Error ellipse: s-maj=18.4km s-min=5.1km az=126.0

KRNET 16 02:46:47.3:0.1,39.25N:71.40E,mb2.4, ISC 16 02:46:46.7:3.3,39.2N:02.713E:0.1,h10km,n9, c1541/15,8C-11D,Tajikistan

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, BAT, Batken, SFTK, Suft-Kurgan, SFK, DZET, Dzheterino, ARK, Arkit, MNAS, Manas, MNAS, Manas, MNAS, Batken, SFTK, Suft-Kurgan, SFK, DZET, Dzheterino, ARK, Arkit, MNAS, Manas, MNAS, Manas

ISCJB 16 02:48:38.5:0.7,11.19N:0.04:122.11E:0.06,h10km, mb3.4/2,MS3.9/2, Error ellipse: s-maj=8.9km s-min=6.4km az=7.7

MAN 16 02:48:39.1:11.41N,122.17E,h14km,mb4.4,ML3.3,MS3.2, IDC 16 02:49:18.5:2.0,7.22N,124.95E,h0km,mb3.5/4, mb1.3/7.4,mb1mx3.4/43,mbtmp3.5/4,MS3.9/2, S-m1 3.9/2, mb1mx3.0/29, Error ellipse: s-maj=242.2km s-min=22.4km az=67.0

ISC 16 02:48:38.2:0.9,11.35N:0.04:122.21E:0.05,h10km,n11, c1532/13,1C-1D, Panay

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, KALP, Kalibo, RCP, Roxas, RCP, San Jose, Anti, GUIM, Jordan, OTRP, Otdian, BUSP, Coron, BUSP, Coron, BOAC, Boac, FITZ, Fitzroy Crossi, WRA, Warramunga Arr, ASAR, Alice Springs, URZ, Urewera

MAN 16 02:50:56,18.48N:121.05E,h1km,mb4.8,ML3.7,MS3.7, 1C, Luzon

Table with columns: MKAR, Makanchi Array, ZALV, Zoroan Beam, ATA 16 02:51:51.4,38.69N:43.38E,h15km,MD3.6,ML3.6, MW3.4(DDA), DDA 16 02:51:51.9,38.68N:43.36E,h16km,ML3.3, ISCJB 16 02:51:52.7:0.4,38.71N:0.02:43.37E:0.04,h2km,4km, Error ellipse: s-maj=4.9km s-min=3.3km az=7.0, CSEM 16 02:51:52.4:0.2,38.70N:43.36E,h2km,ML3.0, Error ellipse: s-maj=4.7km s-min=3.7km az=102.0, ISK 16 02:51:52.1,38.71N:43.40E,h5km,ML3.0, ISC 16 02:51:52.2:0.9,38.70N:0.02:43.37E:0.02,h13km,7km, n84,c0991/106,2D,Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, VANB, Van, VANB, Van, TVAN, Van, TVAN, Van, ERVC, ERCIS-VAN, ERVC, ERCIS-VAN, ERVC, ERCIS-VAN, VMUR, Van-Muradiye, VMUR, Van-Muradiye, VMUR, Van-Muradiye, GEVA, Gevas, GEVA, Gevas, ADVC, BITLIS\_Adilcev, ADVC, BITLIS\_Adilcev, ADVC, CLDR, Caldiran, CLDR, Caldiran, CLDR, Caldiran, BASK, Baskale\_VAN, BASK, Baskale\_VAN, BASK, Baskale\_VAN, TUTAK, Tutak, TUTAK, Tutak, DYND, Diyadin, DYND, Diyadin, DYND, Diyadin, AGRB, Hanur-Agry, AGRB, Hanur-Agry, EKAR, Karacaban, EKAR, Karacaban, EKAR, Karacaban, SRTM, Siirt\_Merkez, SRTM, Siirt\_Merkez, SRTM, Siirt\_Merkez, EATA, Eleskirt, EATA, Eleskirt, EATA, Eleskirt, TABS, TABSURUN-IGDIR, TABS, TABSURUN-IGDIR, CUKT, Cukura, CUKT, Cukura, CUKT, Cukura, CUKT, Cukura, VARTO, Varto-Mus, VARTO, Varto-Mus, VARTO, Varto-Mus, VARTO, Varto-Mus, DIGO, Kars, DIGO, Kars, DIGO, Kars, BNGL, BINGOL, BNGL, BINGOL, BNGL, BINGOL, HOMI, Horasan, HOMI, Horasan, SVAN, Silvan-Diyarba, SVAN, Silvan-Diyarba, SVAN, Silvan-Diyarba, SVAN, Silvan-Diyarba, BATMAN, Batman, BTM, Batman, ERZM, Erzurum, ERZM, Erzurum, EAK, Aktyka, EAK, Aktyka, SENK, Senkaya-Erzuru, SENK, Senkaya-Erzuru, CAT-ERZURUM, CAT-ERZURUM, CAT-ERZURUM, CAT-ERZURUM, BNGB, Bingol, BINT, Bingol, VEDI, Yedisu-Bingol, VEDI, Yedisu-Bingol, HANI, Diyarbakir\_Han, HANI, Diyarbakir\_Han, MARD, Mardin, DDEM, Demirkent, DDEM, Demirkent, KOPT, Kop Dag, KOPT, Kop Dag, DIYA, Diyarbakir, DIYA, Diyarbakir, DIYA, Diyarbakir, PTK, Pertek, PTK, Pertek, SVRC, Sivrice-ELAIZD, SVRC, Sivrice-ELAIZD, SVRC, Sivrice-ELAIZD

IDC 16 03:01:03.5:4.3,13.13S:167.20E,h210km,33km,mb3.6/6, mb1.3/7.6,mb1mx3.4/29,mbtmp4.1/6, Error ellipse: s-maj=62.0km s-min=21.0km az=130.0, Vanuatu Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, STKA, Stephens Creek, WRA, Warramunga Arr, ASAR, Alice Springs, ASAR, Alice Springs, SONN, Songio Array, ILAR, Eielson Array, MKAR, Makanchi Array, ARCES, ARCES Array B, AKES, Malin Array B, KEST, Kesra

16d 3h

MEX 16 03:04:00.0.0.5,15:81N:96:19W,h34km,7km,MD3.7, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HUIG Huatulco, Vista Hermosa, Matias Romero, Pinotepa.

WEL 16 03:07:37.5.0.7,36:06S:177:65E,h205km,8km,ML3.9/18, 3c-1D, Error ellipse: s-maj=7.8km s-min=7.7km az=90.0, Off east coast of North Island

Large table listing stations for WEL, including MZK Matakaoa Point, HAZ Te Kaha, PKGZ Pakihiroa, WMGZ Waioamatatini S, etc.

NEIC 16 03:08:21.0.0.5,3:95N:62:83E,h10km,mb4.5/9, Error ellipse: s-maj=12.3km s-min=11.5km az=94.0

IDC 16 03:08:20.0.0.8,4:11N:62:93E,h0km,mb3.9/12, mb1.4,1/12,mb1mx3.8/50,mbtmp3.9/12,MS3.5/12, Ms1.3,5,ms1mx3.2/36, Error ellipse: s-maj=21.5km s-min=18.7km az=117.0

ISC 16 03:08:21.3.0.8,2:96N:01:627E:0.1,h10km,3km, e253/30,mb4.3/21,MS3.3/4, Carlsberg Ridge

Table listing stations for NEIC, IDC, and ISC, including MSEY Mahe Island, H08N2 Diego Garcia H, H08N3 Diego Garcia H, etc.

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ASAR Alice Springs 74.48 116 P P 03 19 59.9 -0.8

AS31 Alice Springs 74.48 116 eP P 03 19 59.9 -0.8

LTX Lajitas Array 144.43 339 ePKPdf PKPab 03 27 57.3 +0.3

TXAR Lajitas Array 144.43 339 PKP PKPab 03 27 57.3 +0.3

MEX 16 03:17:00.6.0.4,2:657N:111.83W,h8km,84km,MD3.6, Gulf of California

SRIG Santa Rosalia 0.83 334 eP Sg 03 17 14.4 -2.2

SRIG Santa Rosalia 0.83 334 eP Sg 03 17 25.6 -1.8

GUYB Guaymas 1.57 33 eP Sg 03 17 25.3 -3.5

IDD 16 03:18:50.7.2.7,33:45N:142:63E,h0km,mb3.5/2, mb1.3,6/4,mb1mx3.3/37,mbtmp3.5/4,ML3.4/2, Error ellipse: s-maj=63.5km s-min=29.9km az=59.0

JMA 16 03:18:59.8.0.3,33:91N:141:84E,h22km,3km,M3.2, ISC 16 03:19:00.7.2.8,33:91N:0:07:141.82E:0.2,h21km,n12, e065/15, Off east coast of Honshu

Table listing stations for IDD and JMA, including BSO1 Boso 1, BSO2 Boso 2, BSO3 Boso 3, etc.

DDA 16 03:19:11.0.1,39:91N:28:64E,h4km,ML2.9, ISC 16 03:19:11.1,39:90N:28:65E,h5km,ML2.7, Error ellipse: s-maj=3.5km s-min=3.1km az=126.0

CSEM 16 03:19:11.9.0.1,39:90N:28:61E,h2km,ML2.7, Error ellipse: s-maj=3.5km s-min=3.1km az=126.0

ISC 16 03:19:11.6.1.0,39:90N:0:02:28.64E:0.02,h6km,9km, n66,e095/97,Turkey

Table listing stations for DDA, CSEM, and ISC, including ORLT Orhanelli, ORLT Orhanelli, DURS Dursunbey, etc.

858

CSEM 16 03:21:22.9.0.2,43:06N:18:69E,h19km,ML1.5, Error ellipse: s-maj=3.9km s-min=2.5km az=117.0

BEO 16 03:21:24.6.0.8,42:98N:18:72E,h13km,ML1.4/5, PDG 16 03:21:23.8.0.1,43:04N:18:73E,h14km,ML1.7/12, 6C-10D, Error ellipse: s-maj=0.17km s-min=0.2km az=0.0, Northwestern Balkan Peninsula

BRY Bratogost 0.20 224 Op ISC 03 21 28.1 +0.8

BRY Bratogost 0.20 224 Op Sg 03 21 31.5 -0.1

BRY Bratogost 0.20 224 Op Sg 03 21 28.0 -0.4

UPM Unac-Piva 0.21 39 Op Sg 03 21 42.3 +0.4

UPM Unac-Piva 0.21 39 Op Sg 03 21 32.0 +0.1

UPM Unac-Piva 0.21 39 Op Sg 03 21 31.9 +0.3

UPM Unac-Piva 0.21 39 Op Sg 03 21 31.9 +0.0

NKY Niksic 0.30 140 Op Sg 03 21 34.9 +0.4

NKY Niksic 0.30 140 Op Sg 03 21 30.0 -0.2

NKY Niksic 0.30 140 Op Sg 03 21 30.0 -0.2

NKME Niksic 0.32 149 Op Sg 03 21 30.2 -0.3

NKME Niksic 0.32 149 Op Sg 03 21 35.7 +0.7

NKME Niksic 0.32 149 Op Sg 03 21 30.2 -0.3

NKME Niksic 0.32 149 Op Sg 03 21 35.7 +0.7

TREB Trebinje 0.43 220 Op Sg 03 21 31.9 -0.5

TREB Trebinje 0.43 220 Op Sg 03 21 31.9 -0.5

TREB Trebinje 0.43 220 Op Sg 03 21 31.9 -0.5

CEME Cevo 0.52 164 Op Sg 03 21 38.9 -0.5

CEME Cevo 0.52 164 Op Sg 03 21 38.9 -0.5

CEME Cevo 0.52 164 Op Sg 03 21 38.9 -0.5

PLE Pljevlja 0.56 59 Op Sg 03 21 34.5 -0.4

PLE Pljevlja 0.56 59 Op Sg 03 21 43.6 +0.7

PLE Pljevlja 0.56 59 Op Sg 03 21 34.5 -0.4

PLE Pljevlja 0.56 59 Op Sg 03 21 43.6 +0.7

KOLAS Kolasin 0.61 108 Op Sg 03 21 43.6 +0.7

KOLAS Kolasin 0.61 108 Op Sg 03 21 43.6 +0.7

KOLAS Kolasin 0.61 108 Op Sg 03 21 43.6 +0.7

HCY Herceg Novi 0.62 196 Op Sg 03 21 35.8 -0.1

HCY Herceg Novi 0.62 196 Op Sg 03 21 35.8 -0.1

HCY Herceg Novi 0.62 196 Op Sg 03 21 35.8 -0.1

PGY Podgorica 0.73 147 Op Sg 03 21 35.8 -0.1

PGY Podgorica 0.73 147 Op Sg 03 21 35.8 -0.1

PGY Podgorica 0.73 147 Op Sg 03 21 35.8 -0.1

PGY Podgorica 0.73 147 Op Sg 03 21 35.8 -0.1

PGY Podgorica 0.73 147 Op Sg 03 21 35.8 -0.1

PGY Podgorica 0.73 147 Op Sg 03 21 35.8 -0.1





Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like Black Stump Fm, McNeill Hill, Kaweka Forest, Kereru, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like Trest, Ojcow, Novy Kostel, Kasperske Hory, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like ESKADLEMIUR AR, ARCES Array B, etc.

MEX 16 04:41:11.6:0.7, 17.03N:101.58W, h15km, gkm, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like ZIHUATANEJO, CAIGA, etc.

MEX 16 04:41:11.6:0.7, 17.03N:101.58W, h15km, gkm, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like ZIHUATANEJO, CAIGA, etc.

MEX 16 04:50:58.8:0.5, 16.67N:99.66W, h10km, 3km, MD3.9, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like ACX, ACP2, etc.

ISCJTB 16 04:44:41.6:0.3, 51.46N:102.16E, h0km, Error ellipse: s-maj=2.3km s-min=2.0km az=18.9

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like ZIHUATANEJO, CAIGA, etc.

ISCJTB 16 04:44:41.6:0.3, 51.46N:102.16E, h0km, Error ellipse: s-maj=2.3km s-min=2.0km az=18.9

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like ZIHUATANEJO, CAIGA, etc.

NIED 16 04:57:00.34:20N:141.50E, h5km, Mw4.1 Best double couple: Mb1.64000x1019 Mb1.9x214.00000x348.00000

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like BOSO, CHOSI, etc.

ISC 16 04:42:6.0:7.5147N:0.02:16:19E:0.02, h0km, n114, r155/200, Poland

Large table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like KSP, DPC, PVCC, etc.

ISC 16 04:42:6.0:7.5147N:0.02:16:19E:0.02, h0km, n114, r155/200, Poland

Large table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like KSP, DPC, PVCC, etc.

ISC 16 04:57:27.0:2.1, 34.19N:105.141E:0.08, h15km, 11km, Mw4.2, MS3.5, Off east coast of Honshu

Large table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like BOSO, CHOSI, etc.



16d 6h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AKKB Malin Array Si, NB2 NORSAR Subarra, etc.

IDC 16 05:03:53.9.1.7.5.12S:140.62E, h0km, mb4.0/4, mb1 4.2/7, mb1mx3.9/28, mbtmp3.9/7, ML3.9/3, Error ellipse: s-maj=52.4km s-min=24.4km az=102.0

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

WAR 16 05:05:44.1, 51.44N:16.20E, h1km, Mw2.2, Poland

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KSP Ksiaz, UPC Upice, etc.

ISK 16 05:11:56.9, 38.85N:43.53E, h5km, ML2.5 CSEM 16 05:11:57.7, 0.3, 38.85N:43.53E, h2km, ML3.0, Error ellipse: s-maj=5.6km s-min=4.1km az=90.0

ISCJB 16 05:11:58.1, 0.5, 38.87N:0.02:43.56E:0.05, h13km, 4km, Error ellipse: s-maj=6.3km s-min=3.8km az=10.4

DDA 16 05:11:58.1, 38.86N:43.47E, h7km, ML3.0 ISC 16 05:11:58.2, 0.9, 38.84N:0.02:43.52E:0.03, h12km, 7km, n30, c0889/52, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VMUR Van-Muradiye, ERVC ERICIS-VAN, etc.

IDC 16 05:13:42.3:1.9, 17.02S:172.94W, h0km, mb3.9/3, mb1 4.1/4, mb1mx3.7/26, mbtmp3.9/4, ML3.5/1, Error ellipse: s-maj=63.8km s-min=27.0km az=120.0, Tonga Islands region

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

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Table with columns: AFI, Afiamalu, URZ, WRA, ASAR, GERES, etc. Includes station names and coordinates.

CSEM 16 05:18:50.9:0.2, 38.95N:43.73E, h5km, ML2.8, Error ellipse: s-maj=4.8km s-min=3.6km az=97.0

DDA 16 05:18:50.7, 38.95N:43.70E, h2km, ML2.8 ISK 16 05:18:50.9, 38.95N:43.73E, h6km, ML2.6 ISCJB 16 05:18:51.0:1.0, 38.94N:0.03:43.73E:0.04, h7km, 6km, Error ellipse: s-maj=5.8km s-min=5.0km az=44.7

ISC 16 05:18:51.3:1.0, 38.95N:0.03:43.70E:0.03, h7km, 7km, n29, c0888/47, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VMUR Van-Muradiye, CLDR Caldiran, etc.

ISCJB 16 05:48:10.4:0.3, 32.56N:102.115:65W:0.02, h24km, 3km, Error ellipse: s-maj=4.0km s-min=3.2km az=17.2

ECX 16 05:48:11.8:0.6, 32.56N:115:69W, h3km, MD2.4, ML2.6 MEX 16 05:48:12.4:0.6, 32.53N:115:56W, h16km, 8km, MD3.6 ISC 16 05:48:10.5:0.9, 32.55N:102.115:65W:0.02, h17km, 6km, n31, c1968/50, 6C-4D, California-Baja California border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ERPC Ernie Place, WESC Westside Schoo, etc.

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Table with columns: 214A, Organ Pipe Nat, CIS, Catalina Islan, etc. Includes station names and coordinates.

AZER 16 06:13:16.9:0.0, 38.77N:48.81E, h25km, Error ellipse: s-maj=1.2km s-min=0.6km az=266.0

ISCJB 16 06:13:18.0:0.5, 38.78N:0.03:48.91E:0.05, h26km, 4km, Error ellipse: s-maj=6.2km s-min=4.4km az=6.1

CSEM 16 06:13:17.9:0.2, 38.77N:48.89E, h19km, ML3.4, Error ellipse: s-maj=5.9km s-min=3.9km az=92.4

TEH 16 06:13:20.6, 38.55N:48.86E, h23km, ML3.4 NNC 16 06:13:23.4:4.2, 39.54N:49.75E, h0km, mb3.6, Error ellipse: s-maj=60.0km s-min=28.5km az=98.0

ISC 16 06:13:17.0:0.6, 38.82N:0.03:48.94E:0.03, h29km, 6km, m64, c1879/103, 23C-25D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LKRN Lenkeran, AZER Azeri, etc.





After WEL.
NEIC Felt at Gisborne and Wairoa.
WEL 16 07:28:45.0-0.2,38.97S-178.11E,h25km,1km,ML4.3/29,
Mw4.3,1C,Error ellipse: s-maj=2.0km s-min=1.2km
az=90.0,Off east coast of North Island

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists various stations like Paritu Road, Mahia Peninsula, etc.

IDC 16 07:29:05.3-1.1,39.01S-177.98E,h0km,mb4.5/5,
mb1 4.7/5,mb1mx4.2/19,mbtmp4.5/5,MS3.5/1,Ms1 3.4/1,
ms1mx2.8/20,Error ellipse: s-maj=42.3km s-min=22.1km
az=40.0

ISCJB 16 07:29:09.2-0.7,38.95S-0.05-178.04E,0.08,h32km,3km,
mb4.5/5,MS3.4/1,Error ellipse: s-maj=11.0km
s-min=6.6km az=28.8

WEL 16 07:29:10.2-0.2,38.93S-177.98E,h27km,1km,ML4.4/38,
Error ellipse: s-maj=1.7km s-min=1.3km az=30.0

WEL Felt from Gisborne to Hawke's Bay, maximum reported
intensity MM 4.
NEIC 16 07:29:10.3-0.0,38.92S-177.96E,h27km,ML4.3(WEL),
After WEL.

NEIC Felt at Gisborne and Wairoa.
ISC 16 07:29:09.6-0.8,38.96S-0.04-178.00E,0.05,h29km,4km,
n71,c1563/58,mb4.5/5,1C-3D,North Island

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists various stations like Paritu Road, Mahia Peninsula, etc.

Main table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists various stations like Pawanui, Matakaoa Point, etc.

ISCJB 16 08:30:05.0-2.3,38.31N-0.02-26.59E,0.03,h9km,3km,
Error ellipse: s-maj=4.6km s-min=2.8km az=15.1

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists various stations like Izmir, Karaburun, etc.

IDC 16 08:33:52.2-2.7,38.36N-142.32E,h0km,mb3.5/3,
mb1 3.6/4,mb1mx3.3/42,mbtmp3.4/4,ML3.0/1,MS2.9/1,
Ms1 2.9/1,ms1mx2.3/35,Error ellipse: s-maj=66.3km
s-min=31.4km az=71.0

ISCJB 16 08:34:00.2-1.0,38.18N-0.05-141.7E,0.1,h55km,7km,
mb3.5/3,MS2.7/1,Error ellipse: s-maj=14.4km
s-min=5.6km az=22.5

NIED 16 08:34:00,38.20N-141.70E,h47km,Mw3.5. Best double
couple: M2.1700x-1014. NF1=256.00000, R22=0.00000,
I01=1.50.00000, NP2=14.00000, R79.00000, J.71.00000

JMA 16 08:34:01.0-0.1,38.18N-141.69E,h51km,1km,M3.5
JMA Felt J1.
ISC 16 08:34:00.5-1.6,38.18N-0.05-141.78E,0.10,h4km,13km,
n24,c1515/27,mb3.5/3,Near east coast of eastern

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists various stations like Honshu, Kawauchi, etc.

DDA 16 08:30:03.9,38.32N-26.52E,h17km,ML3.2
ISK 16 08:30:04.6,38.32N-26.61E,h6km,ML2.6
ATH 16 08:30:04.7,38.28N-26.55E,h31km,ML2.7/4,Error
ellipse: s-maj=3.0km s-min=1.6km az=242.0
CSEM 16 08:30:05.0,38.31N-26.60E,h10km,ML2.6,Error
ellipse: s-maj=3.4km s-min=2.3km az=62.0
THE 16 08:30:05.4,38.32N-26.61E,h11km,2km,ML2.8/4,Error
ellipse: s-maj=2.2km s-min=0.6km az=235.0



Table with columns: Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BKZ, KAHZ, KWHZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JAGN, Kume jima 2, Iheya, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ADCV, BITLIS\_Adilcev, Gevas, etc.







16d 11h

TUQ	Turquoise Moun baz=324	33.71 115	P	P	11 21 56.6 +1.8
LCMT	Little Creek M comp=Z,7.9nm,1.0s	33.80 110	eP	P	11 21 57.3 +1.9
BFSC	Mount Baldy Ra baz=325,SNR=8.2	33.84 118	P	P	11 21 57.9 +2.0
HEC	Hector,Ludlow baz=324,SNR=11	34.00 116	P	P	11 21 59.1 +2.0
KNB	Knab	34.00 110	eP	P	11 21 59.7 +2.4
KNB	comp=Z,14nm,1.0s			pmax	
KNB	Knab	34.00 110	eP	P	11 21 59.7 +2.4
ULM	Lac du Bonnet comp=Z,6.5nm,0.7s,baz=302,slow=8.1,SNR=9.3	34.02 77	P	P	11 21 57.5 +0.4
ULM	LR				11 35 52.7
O20A	comp=Z,155nm,20.9s,baz=300,slow=36				
O20A	White River Ci baz=317,SNR=14	34.03 101	eP	P	11 21 58.5 +0.9
O20A	White River Ci comp=Z,20nm,0.7s	34.03 101	eP	P	11 21 58.8 +1.2
B31A	Greenbush Farm baz=307	34.17 81	P	P	11 21 58.9 +0.5
BBRC	Big Bear Solar baz=325	34.18 117	P	P	11 22 00.3 +1.4
GMRC	Granite Mounta baz=324,SNR=9.2	34.36 115	P	P	11 22 01.9 +1.5
LDFC	Landfall comp=Z,23nm,0.8s	34.39 114	eP	P	11 22 02.1 +1.5
SC12	San Clemente I baz=327,SNR=5.1	34.47 120	P	P	11 22 03.0 +1.8
A32A	Rocking H Ranc baz=307	34.48 79	P	P	11 22 01.3 +0.2
C31A	Landman Farms, baz=308	34.51 82	P	P	11 22 01.4 +0.1
MURC	Murieta baz=305	34.59 118	P	P	11 22 03.5 +1.3
N23A	Red Feather La baz=316	34.70 98	P	P	11 22 03.8 +0.3
N23A	Red Feather La baz=316	34.70 98	eP	P	11 22 04.7 +1.3
PV09	Paradox Valley B32A	34.77 104	eP	P	11 22 05.7 +1.5
B32A	Ashes, Strandq baz=308	34.77 104	eP	P	11 22 03.8 +0.2
BELC	Belle Mtn. Jos baz=325,SNR=7.4	34.83 116	P	P	11 22 05.4 +1.0
PFO	Pinyon Flats O baz=325,SNR=6.4	34.93 117	P	P	11 22 06.9 +1.6
PFO	Pinyon Flats O baz=325,SNR=6.4	34.93 117	eP	P	11 22 07.0 +1.7
PFO	Pinyon Flats O	34.93 117	eP	P	11 22 07.0 +1.7
PFO	Pinyon Flats O	34.93 117	eP	P	11 22 07.0 +1.7
XPFO	Pineon Flat	34.93 117	eP	P	11 22 07.0 +1.7
XPFO	Paradox Valley	34.97 104	eP	P	11 22 06.8 +1.1
A33A	Warroad baz=307	35.05 79	P	P	11 22 06.5 +0.5
PV05	Paradox Valley Iron Mountain	35.10 104	eP	P	11 22 07.9 +1.1
IRM	Iron Mountain baz=324,SNR=18	35.12 115	P	P	11 22 08.8 +2.0
AGMN	Agassiz Nation baz=308,SNR=6.7	35.19 80	P	P	11 22 07.2 0.0
E31A	Nome baz=310	35.20 84	P	P	11 22 07.3 -0.1
109C	Camp Elliot, M baz=326	35.22 119	P	P	11 22 09.2 +1.6
PV01	Paradox Valley Robert and Kas	35.34 104	eP	P	11 22 10.1 +1.2
B33A	Robert and Kas baz=308	35.35 80	P	P	11 22 09.2 +0.6
BC3	Big Chuckawall baz=325,SNR=5.4	35.38 116	P	P	11 22 10.6 +1.5
SMCO	Snowmass comp=Z,8.4nm,1.1s	35.40 101	eP	P	11 22 10.6 +1.0
F31A	Hecla baz=310	35.45 85	P	P	11 22 09.9 +0.4
PDMC1	Parker Dam,Lak baz=324	35.49 114	P	P	11 22 10.9 +1.0
MONP2	Monument Peak baz=326,SNR=13	35.54 118	P	P	11 22 12.9 +2.2
C33A	Trail baz=308	35.57 80	P	P	11 22 10.7 +0.2
BAR	Barrett comp=Z,9.2nm,0.9s	35.59 118	eP	P	11 22 13.1 +2.3
BAR	Idaho Springs	35.66 99	eP	P	11 22 26.8 +2.6
ISCO	Idaho Springs	35.66 99	eP	P	11 22 10.9 -0.8
ISCO	Idaho Springs comp=Z,1.0nm,0.8s	35.66 99	eP	P	11 22 10.9 -0.8
B34A	Aery, Badlette baz=308,SNR=5.2	35.71 79	P	P	11 22 11.8 +0.1
Y12C	Blythe baz=324,SNR=6.6	35.75 115	P	P	11 22 14.0 +1.9
Y12C	Blythe	35.75 115	eP	P	11 22 14.1 +2.0
SWSC	Sam W. Stewart baz=326	35.79 117	P	P	11 22 13.7 +1.2
IKP	In-Ko-Pah, Jac baz=326,SNR=7.4	35.88 118	P	P	11 22 15.4 +1.9
WUAZ	Wupatki baz=322,SNR=13	35.90 110	P	P	11 22 15.2 +1.5
WUAZ	Wupatki comp=Z,19nm,0.9s	35.90 110	eP	P	11 22 15.5 +1.8
D33A	AnnSam, Waubun baz=309	35.92 81	P	P	11 22 14.1 +0.6
F32A	Veblen baz=310	36.05 84	P	P	11 22 14.3 -0.3
MVCO	O Mesa Verde baz=320,SNR=8.6	36.07 105	P	P	11 22 15.8 +0.7
MVCO	Mesa Verde comp=Z,14nm,0.8s	36.07 105	eP	P	11 22 16.0 +0.8
C34A	RKJ Ranch, Bem baz=309	36.09 80	P	P	11 22 15.3 +0.3
GLA	Glamis baz=325,SNR=8.4	36.17 116	eP	P	11 22 17.5 +1.7
GLA	Glamis	36.17 116	eP	P	11 22 17.7 +1.9
GLA	GLA comp=Z,12nm,0.8s	36.17 116	eP	P	11 22 17.7 +1.9
H31A	Wolsey baz=312	36.23 87	P	P	11 22 16.8 +0.5
E33A	Westby DABS, E baz=310	36.24 82	P	P	11 22 16.7 +0.5
B35A	Bob, Littlefor baz=308	36.27 78	P	P	11 22 16.1 -0.4
D34A	Park Rapids baz=309	36.30 81	P	P	11 22 16.5 -0.3
YAK	Yakutsk comp=Z,8.9nm,0.3s,baz=67,slow=0.5,SNR=3.3	36.47 310	P	P	11 22 16.8 -1.2
YAK	Yakutsk	36.47 310	iP	P	11 39 09.6
YAK	comp=Z,8.9nm,19.3s,baz=92,slow=40				11 22 17.2 -0.8
F33A	5 Mile Ranch, baz=310	36.51 83	P	P	11 22 18.7 +0.1
Q24A	Divide baz=317,SNR=9.8	36.52 99	P	P	11 22 19.9 +0.8
Q24A	Divide comp=Z,10nm,0.8s	36.52 99	eP	P	11 22 20.6 +1.5
S22A	4UR Ranch, Cre baz=319,SNR=7.1	36.54 102	P	P	11 22 19.9 +0.7
S22A	4UR Ranch, Cre baz=319,SNR=7.1	36.54 102	eP	P	11 22 20.8 +1.5
C35A	Jirik Farms, M baz=309	36.55 79	P	P	11 22 18.8 -0.1
E34A	Wadena baz=310	36.67 82	P	P	11 22 20.2 +0.3
OGNE	Ogallala baz=315	36.75 94	P	P	11 22 21.3 +0.5
H32A	Carlson Farm, baz=312,SNR=8.3	36.77 86	P	P	11 22 20.8 -0.1
G33A	Ortonville baz=311	36.85 84	P	P	11 22 21.7 +0.2
J13A	Geddes baz=313	36.89 89	P	P	11 22 22.0 +0.2
D35A	Remer baz=309	36.90 80	P	P	11 22 22.1 +0.2
H33A	Prehn Over Nor baz=312,SNR=6.8	37.03 85	P	P	11 22 22.9 -0.1
W18A	Petrified Fore baz=322	37.05 108	P	P	11 22 24.1 +0.7
W18A	Petrified Fore baz=312	37.05 108	eP	P	11 22 25.1 +1.7
E35A	Pequot Lakes baz=310,SNR=7.7	37.05 81	P	P	11 22 23.2 +0.1
C36A	Pine Crest Far baz=309	37.12 78	P	P	11 22 23.8 +0.1
SDCO	Great Sand Dun	37.23 101	P	P	11 22 26.4 +1.3

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G34A	Benson baz=318,SNR=12	37.25 84	P	P	11 22 24.9 0.0
D36A	Goodland baz=311	37.31 79	P	P	11 22 25.3 -0.1
J32A	Parkston baz=313,SNR=5.8	37.31 88	P	P	11 22 24.7 -0.7
K31A	O'Neill baz=314	37.34 89	P	P	11 22 25.9 +0.2
X18A	Snowflake baz=314	37.40 109	eP	P	11 22 28.5 +2.0
F35A	Swanville baz=314	37.41 82	eP	P	11 22 26.6 +0.3
C37A	Embarrass baz=311	37.48 78	P	P	11 22 26.9 +0.2
H34A	Spellman Lake, baz=312	37.55 84	P	P	11 22 27.7 +0.2
E36A	McGregor baz=310	37.69 80	P	P	11 22 28.8 +0.3
EYMN	Ely baz=309	37.70 77	P	P	11 22 28.9 +0.2
EYMN	Ely	37.70 77	eP	P	11 22 29.2 +0.6
EYMN	Ely	37.71 79	eP	P	11 22 41.4 -0.7
D37A	Cotton baz=310	37.71 79	eP	P	11 22 28.8 +0.1
ECSD	EROS Data Cent baz=312,SNR=5.9	37.73 86	P	P	11 22 28.4 -0.5
ECSD	EROS Data Cent comp=Z,7.1nm,0.9s	37.73 86	eP	P	11 22 28.8 -0.1
K32A	Verdige baz=313,SNR=7.9	37.73 89	P	P	11 22 28.7 -0.3
J33A	Davis baz=313	37.82 87	P	P	11 22 29.3 -0.5
KSCO	Kaye Shedlock baz=317,SNR=9.6	37.82 97	P	P	11 22 31.2 +1.3
KSCO	Kaye Shedlock	37.82 97	eP	P	11 22 31.4 +1.4
C38A	Sawbill Land. baz=311	37.96 77	P	P	11 22 30.7 -0.2
F36A	Milaca baz=311	37.97 81	P	P	11 22 30.6 -0.3
H35A	Sunnyside Ranc baz=317	38.04 84	P	P	11 22 31.3 -0.2
214A	Organ Pipe Nat baz=325,SNR=11	38.04 115	P	P	11 22 33.5 +1.7
214A	Organ Pipe Nat comp=Z,26nm,0.9s	38.04 115	eP	P	11 22 33.4 +1.7
E37A	Wrenchall baz=310	38.11 80	P	P	11 22 32.4 +0.4
MHTCO	State Highway L32A	38.12 101	eP	P	11 22 34.5 +2.0
L32A	Elgin baz=314	38.17 89	eP	P	11 22 33.0 +0.3
G36A	St Michael baz=311	38.26 82	P	P	11 22 33.7 +0.4
T25A	Trinidad baz=319,SNR=5.8	38.26 101	eP	P	11 22 34.9 +1.2
T25A	Trinidad	38.26 101	eP	P	11 22 35.1 +1.4
K33A	Hardington baz=314	38.29 88	P	P	11 22 34.0 +0.3
L33A	Hoskins baz=314,SNR=7.0	38.45 89	P	P	11 22 34.7 -0.3
C39A	Grand Marais baz=309	38.50 76	P	P	11 22 35.2 -0.1
BGNE	Belgrade baz=315,SNR=9.5	38.51 90	P	P	11 22 36.0 +0.5
BGNE	Belgrade	38.51 90	eP	P	11 22 36.2 +0.7
I35A	Grievew Farm, baz=312	38.52 85	P	P	11 22 35.8 +0.2
H38A	The Farm, Brul baz=310	38.52 79	P	P	11 22 35.7 +0.1
F37A	Hinricks Farm, baz=311	38.53 81	P	P	11 22 35.9 +0.3
H36A	Jessenland, He baz=312,SNR=7.0	38.60 83	P	P	11 22 36.4 +0.2
K34A	Le Mars baz=314,SNR=5.5	38.72 87	P	P	11 22 37.2 -0.1
J35A	Milford baz=313	38.73 86	P	P	11 22 37.1 -0.3
TUC	Tucson baz=324	38.75 112	P	P	11 22 39.2 +1.4
TUC	Tucson	38.75 112	eP	P	11 22 39.6 +1.9
TUC	Tucson	38.75 112	eP	P	11 22 53.6 +2.5
TUC	Tucson	38.75 112	eP	P	11 22 39.6 +1.9
TUC	Tucson	38.75 112	eP	P	11 22 39.6 +1.9
SPMN	Marine on St. baz=311,SNR=7.7	38.77 82	P	P	11 22 37.7 +0.1
F38A	Pierce - Schro baz=311,SNR=13	38.78 80	P	P	11 22 38.4 +0.7
ANMO	Albuquerque baz=32	38.87 105	P	P	11 22 39.7 +1.0
ANMO	Albuquerque comp=Z,5.0nm,1.2s	38.87 105	eP	P	11 22 39.8 +1.0
ANMO	Albuquerque	38.87 105	eP	P	11 22 40.2 +1.5
M33A	Taylor Creek F baz=314,SNR=7.8	38.90 89	P	P	11 22 39.1 +0.2
LAZ	Ladron baz=310	38.94 106	eP	P	11 22 41.4 +2.0
L34A	Svensden Farm, baz=311	39.07 88	P	P	11 22 40.0 -0.2
H37A	Diez Farm, C baz=312	39.13 82	P	P	11 22 41.8 +1.1
K35A	Storm Lake baz=314	39.16 86	P	P	11 22 40.7 -0.3
I37A	Lenand, Waseca baz=312,SNR=7.0	39.26 83	P	P	11 22 42.2 +0.5
G38A	Ridgeland baz=312	39.31 81	P	P	11 22 42.1 -0.1
N33A	J Bar K, Exete baz=311	39.35 90	P	P	11 22 42.5 0.0
BNM	Barren Site baz=312,SNR=9.1	39.40 106	eP	P	11 22 45.2 +1.9
H38A	Maiden Rock Wakfield	39.41 82	P	P	11 22 43.6 +0.6
E40A	Cedar Bluff baz=317	39.50 78	P	P	11 22 44.2 +0.4
CBKS	Cedar Bluff baz=317	39.51 95	P	P	11 22 44.7 +0.8
CBKS	Cedar Bluff	39.51 95	eP	P	11 22 45.4 +1.4
G39A	Holcombe baz=312	39.59 80	P		





Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like EATA, ELESKIRT, SRMT, SRM, SIIRT, MERKEZ, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KESN, Edirne-Kesan, PRK, Paraskevi, PAIG, Paliouri, etc.

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

ISK 16 11:46:26.9, 37.89N, 38.91E, h14km, MD2.9

ISCJB 16 11:46:27.0, 37.91N, 38.97E, 0.04, h0km, Error ellipse: s-maj=4.9km s-min=3.0km az=136.2

CSEM 16 11:46:27.5, 37.90N, 38.94E, h1km, MD2.9, Error ellipse: s-maj=8.1km s-min=5.9km az=128.0, Suspected Mining explosion.

DDA 16 11:46:27.8, 37.90N, 38.98E, h6km, MD2.6, Suspected Mining explosion.

ISC 16 11:46:26.6, 37.95N, 38.94E, 0.02, h0km, n23, r053/38, Turkey

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SVRC, Sivrice-ELAZID, URFA, etc.

ISK 16 11:46:27.0, 37.91N, 38.97E, 0.04, h0km, Error ellipse: s-maj=4.9km s-min=3.0km az=136.2

CSEM 16 11:46:27.5, 37.90N, 38.94E, h1km, MD2.9, Error ellipse: s-maj=8.1km s-min=5.9km az=128.0, Suspected Mining explosion.

DDA 16 11:46:27.8, 37.90N, 38.98E, h6km, MD2.6, Suspected Mining explosion.

ISC 16 11:46:26.6, 37.95N, 38.94E, 0.02, h0km, n23, r053/38, Turkey

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

IDC 16 12:12:07.5, 3.0, 5.13S, 133.27E, h0km, mb3.7/1, mb1 3.2/3, mb1mx3.2/2, mbtmp3.4/4, ML3.1/3, Error ellipse: s-maj=128.5km s-min=29.0km az=81.0, Aru

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WRA, Warramunga Arr, FITZ, Fitzroy Crossi, etc.

IDC 16 12:14:36.6, 7.0, 16.10N, 144.59E, h169km, 45km, mb2.9/2, mb1 3.2/3, mb1mx3.2/3, mbtmp3.4/3, Error ellipse: s-maj=114.6km s-min=41.4km az=124.0, Mariana

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GUMO, Guam, WRA, Warramunga Arr, etc.

MAN 16 12:26:40, 11.34N, 122.10E, h17km, mb4.6, ML3.5, MS3.4, 2C, Panay

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KALP, Kalibo, JAP, San Jose, etc.

GUC 16 12:36:52.0, 33.12S, 171.27W, h61km, ML3.7, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ROCH, El Roble, PEL, Pedelhue, etc.

NIED 16 12:55:00, 24.60N, 122.40E, h8km, Mw3.8 Best double couple: M6.37000, 1014 NP1.25, 25.00000, 844.00000, 1.159.00000, NP2.0, 131.00000, 876.00000, 1.48.00000

IDC 16 12:55:35, 0.2, 1.24, 96N, 123.23E, h0km, mb3.5/4, mb1 3.7/4, mb1mx3.3/39, mbtmp3.5/4, Error ellipse: s-maj=160.5km s-min=21.4km az=65.0

ISCJB 16 12:55:36, 0.4, 24.70N, 122.41E, 0.01, h4km, 3km, mb3.5/4, Error ellipse: s-maj=3.9km s-min=2.2km az=9.6

JMA 16 12:55:37, 6, 24.65N, 122.38E, h31km, 2km, M3.5 TAP 16 12:55:37, 24.66N, 122.27E, h1km, ML3.9, D

ISC 16 12:55:36, 0.1, 24.69N, 122.43E, 0.02, h1km, 9km, n52, r075/29, 1C, Aegean Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like TWB1, Santiao Chiao, JYNG, Yonagunijimaku, etc.

SOME 16 12:00:18.7, 40.47N, 77.45E, h0km

KRNET 16 12:00:23.1, 0.1, 40.49N, 77.32E, mb2.7

ISC 16 12:00:19.8, 2.6, 40.40N, 101.77E, 0.05, h2km, 13km, n18, r1930/36, 14C-2D, Kyrgyzstan-Kinjiang border region

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

DDA 16 12:06:09, 7, 38.37N, 26.71E, h7km, MD2.7

ISCJB 16 12:06:10, 6.0, 38.31N, 26.63E, 0.06, h11km, 4km, Error ellipse: s-maj=8.1km s-min=4.6km az=152.0

CSEM 16 12:06:11, 0.2, 38.32N, 26.65E, h8km, MD2.5, Error ellipse: s-maj=7.2km s-min=4.4km az=53.0

ISC 16 12:06:12, 0, 38.37N, 26.54E, h2km, MD2.5

ISC 16 12:06:10, 6.0, 38.33N, 26.65E, 0.03, h10km, 5km, n17, r075/29, 1C, Aegean Sea

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

Table with columns: TWA, TAP1, TAP1, TAP, TAP, TWY, TWY, TWD, TWD, TSK, NSK, PCYT, PCYT, NNS, NNS, TWS1, TWS1, NCU, NCU, WHF, WHF, TWT, TWT, IRIF, IRIF, ESL, ESL, NSTT, NSTT, HSN, HSN, HSN, HSN, HATJ, HATJ, JKRS, JKRS, TWQ1, TWQ1, EHY, EHY, EHY, SMLT, TYC, TYC, TCU, TCU, TCU, TWF1, TWF1, JISG, JISG, YUS, YUS, ALS, ALS, CHN5, CHN5, ELDTW, ELDTW, ELDTW, JNJ, JNJ, CHN4, CHN4, CHN4, STYT, STYT, WTP, WTP, TWK, TWK, CHN1, CHN1, CHN1, EAST, EAST, EAST, SCZT, SCZT, SONM, SONM, MKAR, MKAR, WRA, WRA, ASAR, ASAR

SKHL 16 13:01:08.4-0.3, 43.59N-146.95E, h40km, 4km, mb4.3/3
JMA 16 13:01:08.3-0.2, 43.52N-146.87E, h41km, 3km, M3.8
ISC 16 13:01:04.2-2.6, 43.48N-147.05E, 0.09, h11km, 12km, n11, c1544/21, 3C, Kuril Islands

Table with columns: YUK, YUK, YUK, YUK, JRA, JRA, JNK, JNK, JAK, JAK, KUR, KUR, KUR, KUR, JTKR, JTKR, JAR, JAR, JOB, JOB, YSS, YSS

IDC 16 13:01:27.1±2.1, 52.1S-133.93E, h0km, mb3.7/2, mb1 3.7/5, mb1mx3.4/30, mbtmp3.5/5, ML3.4/3, Error ellipse: s-maj=93.3km s-min=25.8km az=76.0, Aru Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, WRA, WRA, FITZ, FITZ, ASAR, ASAR, STKA, STKA, MKAR, MKAR

IDC 16 13:04:19.7±1.6, 1.51N-124.50E, h0km, mb3.9/4, mb1 4.0/5, mb1mx3.5/37, mbtmp3.9/5, ML3.9/1, Error ellipse: s-maj=118.7km s-min=23.7km az=65.0, DJA 16 13:04:42.9±0.6, 1.7N-5.12E, h189km, 6km, M3.4/7, MLV3.4/7

ISCJB 16 13:04:43.0±1.0, 0.7N-10.1E, 124.22E±0.05, h200km, mb3.7/4, Error ellipse: s-maj=17.0km s-min=6.2km az=12.4

ISC 16 13:04:42.6±1.1, 0.8N-0.1E, 124.23E±0.06, h200km, n12, c1572/17, mb3.6/4, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, KMSI, KMSI, MRSI, MRSI, LUWI, LUWI, APSI, APSI, SANI, SANI, SANI, SANI, LBMI, LBMI, MIFS, MIFS, FITZ, FITZ, WRA, WRA, ASAR, ASAR, STKA, STKA, MKAR, MKAR

BUC 16 13:06:06.0±0.6, 45.73N-26.58E, h148km, 4km, MD2.8/2, 4C-4D, Error ellipse: s-maj=9.9km s-min=2.9km az=87.0, Romania

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, PLOA, PLOA, PLOA, PLOA, VRI, VRI, VRI, VRI, MLR, MLR, MLR, MLR, VOIR, VOIR, VOIR, VOIR, CFR, CFR, CFR, CFR

IDC 16 13:29:39.1±1.1, 6.04S-146.45E, h0km, mb3.3/3, mb1 3.5/4, mb1mx3.4/22, mbtmp3.4/4, ML3.3/1, Error ellipse: s-maj=114.8km s-min=31.0km az=108.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, WRA, WRA, ASAR, ASAR, FITZ, FITZ, MKAR, MKAR

ISK 16 13:34:37.8, 38.67N-43.14E, h20km, ML2.7, CSEM 16 13:34:38.8±0.2, 38.64N-43.15E, h20km, ML2.7, Error ellipse: s-maj=6.4km s-min=5.6km az=71.0, ISCJB 16 13:34:39.3±0.4, 38.64N-43.16E±0.06, h2km, 6km, Error ellipse: s-maj=7.9km s-min=5.1km az=1.6, DDA 16 13:34:39.5, 38.69N-43.17E, h7km, M1.0, ISC 16 13:34:39.3±0.9, 38.69N-43.21E±0.02, h18km, 3km, n34, c1571/50, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, VANB, VANB, VANB, VANB, TVAN, TVAN, TVAN, TVAN, GEVA, GEVA, GEVA, GEVA, VMUR, VMUR, VMUR, VMUR, CLDR, CLDR, CLDR, CLDR, TUTA, TUTA, TUTA, TUTA

Table with columns: BASK, BASK, AGRB, AGRB, EKAR, EKAR, EKAR, EKAR, SRTM, SRTM, SRTM, SRTM, EATA, EATA, EATA, EATA, EATA, EATA, CUUK, CUUK, CUUK, CUUK, SVAN, SVAN, SVAN, SVAN, BTM, BTM, BTM, BTM, JFT, JFT, JFT, JFT, JAG, JAG, JAG, JAG, MJAR, MJAR, MJAR, MJAR, MAT, MAT, MAT, MAT, H1N1, H1N1, H1N1, H1N1, H1S1, H1S1, H1S1, H1S1, ILAR, ILAR, WRA, WRA

IDC 16 13:41:27.2±1.5, 36.22N-141.19E, h0km, mb3.2/2, mb1 3.5/3, mb1mx3.2/32, mbtmp3.2/3, ML3.3/1, M3.2/1, M3.2/1, Ms1 2.1/1, ms1mx2.0/15, Error ellipse: s-maj=34.9km s-min=28.6km az=170.0

JMA 16 13:41:32.3±0.1, 36.36N-141.04E, h46km, 2km, M3.2, ISC 16 13:41:30.7±1.7, 36.37N-141.05E, 141.11E±0.07, h2km, 13km, n17, c098/20, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, JHO, JHO, JHO, JHO, CHOU, CHOU, CHOU, CHOU, ONAJ, ONAJ, ONAJ, ONAJ, JFK, JFK, JFK, JFK, JFT, JFT, JFT, JFT, JAG, JAG, JAG, JAG, MJAR, MJAR, MJAR, MJAR, MAT, MAT, MAT, MAT, H1N1, H1N1, H1N1, H1N1, H1S1, H1S1, H1S1, H1S1, ILAR, ILAR, WRA, WRA

ISCJB 16 13:58:58.1±0.5, 32.16N-102.115W, h0.02, h11km, 3km, Error ellipse: s-maj=3.4km s-min=3.0km az=42.9, NEIC 16 14:00:05.0±0.3, 32.15N-115.26W, h9km, ML3.1(ECX), ML3.1(PAS), After ECX

ECX 16 14:00:03.0±0.4, 32.15N-115.23W, h9km, MD2.9, ML3.1, MEX 16 14:00:01.3±0.4, 32.22N-115.15W, h18km, 26km, M3.8, ISC 16 13:58:58.2±1.0, 32.16N-102.115W±0.02, h13km, 8km, n71, c1905/94, 3C-7D, California-Baja California border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, MBIG, MBIG, MBIG, MBIG, CPBX, CPBX, CPBX, CPBX, CPBX, CPBX, CPBX, CPBX, EMSC, EMSC, EMSC, EMSC, DREC, DREC, DREC, DREC, ECXB, ECXB, ECXB, ECXB, ERPC, ERPC, ERPC, ERPC, COA, COA, COA, COA, WESC, WESC, WESC, WESC, YUH, YUH, YUH, YUH, RMX, RMX, RMX, RMX

ISC 16 13:59:15.0±0.5, 32.16N-102.115W, h0.02, h11km, 3km, Error ellipse: s-maj=3.4km s-min=3.0km az=42.9, NEIC 16 14:00:05.0±0.3, 32.15N-115.26W, h9km, ML3.1(ECX), ML3.1(PAS), After ECX

ECX 16 14:00:03.0±0.4, 32.15N-115.23W, h9km, MD2.9, ML3.1, MEX 16 14:00:01.3±0.4, 32.22N-115.15W, h18km, 26km, M3.8, ISC 16 13:58:58.2±1.0, 32.16N-102.115W±0.02, h13km, 8km, n71, c1905/94, 3C-7D, California-Baja California border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, SWSC, SWSC, GLA, GLA, GLA, GLA, GLA, GLA, SPIG, SPIG, SPIG, SPIG, SPX, SPX, SPX, SPX, CBK, CBK, CBK, CBK, CBX, CBX, CBX, CBX, CBX, CBX, ERPC, ERPC, COA, COA, WESC, WESC, YUH, YUH, RMX, RMX, RMX, RMX

BAR	Barrett	1.35 293	ePn	Pn	14 00 22.5	-0.4
BAR			eSn	Sb	14 00 38.6	-2.1
113A	Mohawk Valley,	1.36 63	ePn	Pn	14 00 22.2	-0.6
BC3	Big Chuckawall	1.51 352	P	Pn	14 00 24.1	-1.0
	baz=174,SNR=42		S	Sn	14 00 42.5	-2.3
Y12C		1.69 19	Sb	Sg	14 00 51.4	-1.2
	baz=201					
Blythe		1.69 19	ePn	Pg	14 00 30.1	-0.6
HWB	Hans Werner Br	1.72 301	ePn	Pb	14 00 30.5	+0.7
HWB			eSn	Sb	14 00 52.1	+0.8
109C	Camp Elliot, M	1.77 295	P	Pn	14 00 28.4	-0.2
	baz=115,SNR=9.1					
109C				Sb	14 00 53.2	+0.6
	baz=115					
CPE	Camp Elliot	1.77 295	eSn	Sb	14 00 53.1	+0.5
XPFO	Piazon Flat	1.80 324	ePn	Pn	14 00 22.8	-1.3
PFO	Pinyon Flats O	1.80 324	P	Pn	14 00 28.1	-1.0
	baz=145,SNR=18					
PFO	Pinyon Flats O	1.80 324	ePn	Pn	14 00 27.9	-1.2
CRY	Cary Ranch	1.91 318	eSn	Sg	14 00 59.0	-0.8
IRM	Iron Mountain	2.00 1	P	Pn	14 00 31.1	-0.6
	baz=183,SNR=35					
214A	Organ Pipe Nat	2.04 95	P	Pn	14 00 31.5	-0.8
	baz=276,SNR=22					
214A				Sb	14 01 02.3	-1.5
	baz=276					
214A	Organ Pipe Nat	2.04 95	ePn	Pn	14 00 31.3	-1.0
DGR	Domenigoni Val	2.13 315	ePn	Pg	14 00 38.9	-0.2
DGR			eSn	Sg	14 01 05.7	-1.1
HMTc	Hemet	2.17 316	ePn	Pg	14 00 39.0	-0.8
HMTc			eSn	Sg	14 01 06.2	-1.8
MURC	Murrieta	2.21 311	Sb	Sb	14 01 07.2	+1.7
	baz=131					
Y14A	Wickenburg	2.56 45	ePn	Pn	14 00 40.0	+0.4
GMRC	Granite Mounta	2.65 352	P	Pn	14 00 40.4	-0.5
	baz=173,SNR=7.9					
BFSC	Mount Baldy Ra	2.93 316	Sb	Sb	14 01 28.0	+1.9
	baz=136					
SC12	San Clemente I	2.94 287	Sb	Sb	14 01 28.5	+2.1
	baz=106					
CIS	Catalina Islan	2.98 296	Sb	Sb	14 01 28.8	+1.2
	baz=114					
VTV	Victorville	2.99 324	eSn	Sn	14 01 24.1	+2.9
FMP	Fort Macarthur	3.03 302	eSn	Sn	14 01 20.6	-1.5
EDW2	Edwards Air Fo	3.58 320	Sb	Sb	14 01 47.9	+3.0
	baz=139					
TUC	Tucson	3.74 86	ePn	Pn	14 00 55.0	-0.8
X16A	Lo Mia Camp, P	3.87 53	ePn	Pn	14 00 58.6	+0.9
SHPR	Sheep Range	4.34 0	ePn	Pn	14 01 05.2	+1.1
WUAZ	Wupatki	4.62 42	ePn	Pn	14 01 09.3	+1.3
U15A	North Rim	4.89 29	ePn	Pn	14 01 19.3	+2.1
KNB	Kanab	5.23 21	ePn	Pn	14 01 18.4	+2.1
W18A	Petrified Fore	5.43 56	ePn	Pn	14 01 20.4	+1.4
R11A	Troy Canyon, C	6.19 357	ePn	Pg	14 01 57.4	+0.7
	comp=E,0.9nm,0.5s					
121A	Cookes Peak, D	6.29 85	ePn	Pn	14 01 31.1	+0.3
	comp=E,7.0nm,0.3s					

SCB 16 14:02:08.4-0.6, 13°01'S:76°24'W, h44km, M3.9/1, Error ellipse: s-maj=22.1km s-min=13.4km az=16.0

ISCJBJ 16 14:02:09.8-0.3, 13°59'S:0°05'76"32'W, M0.05, h30km, mb4.6/46, MS3.2/6, Error ellipse: s-maj=9.7km s-min=3.9km az=44.1

NEIC 16 14:02:13.9-0.6, 13°70'S:76°25'W, h48km, 6km, mb4.6/41, Error ellipse: s-maj=9.8km s-min=4.5km az=56.0

NEIC Felt [III] at Ica and Pisco. Also felt at Barranca.

IDC 16 14:02:15.0-1.5, 13°67'S:76°29'W, h59km, 12km, mb4.0/9, mb1 4.2/13, mb1 mx3.9/21, mb1 mx4.4/13, MS3.3/10, MS1 3.3/10, ms1 mx3.1/25, Error ellipse: s-maj=15.7km s-min=10.0km az=61.0

ISC 16 14:02:11.5-0.5, 13°78'S:0°06'72"42'W, h30km, n282, c120/278, mb4.6/46, MS3.6/6, 6C-1D, Near coast of Peru

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
NNA	Nana	1.83 347	Op	ISC	h m s	ISC
					14 02 41.3	+0.2
NNA				S	14 03 05.0	-1.9
NNA				LR	14 03 32.0	
ATAH	Atahualpa	6.88 343	P	Pn	14 03 53.0	+2.2
ATAH				S	14 05 11.2	+2.8
ATAH				LR	14 06 34.2	
BBOD	La Paz, Gloria	8.06 112	IPn	Pn	14 04 12.4	+5.2
BBOD	La Paz, Bander	8.34 107	IPn	Pn	14 04 14.7	+3.7
LPAZ	La Paz	8.39 108	P	Sn	14 04 15.4	+2.6
LPAZ				Pn	14 04 16.3	+4.6
LPAZ				Sb	14 05 48.7	+3.0
LPAZ				Pn	14 05 15.2	+3.9
MNMC	Miny Minye	8.43 130	ePn	Pn	14 04 11.4	-0.6
BBOJ	La Paz, Jacaqu	8.55 113	IPn	Pn	14 04 18.6	+4.8
BBOE	La Paz, Chanca	8.68 111	IPn	Pn	14 04 20.3	+4.7
PB11	IPOC Station P	8.79 133	ePn	Pn	14 04 17.8	+0.8
PB01	IPOC Station P	9.19 138	ePn	Pn	14 04 31.9	+1.4
PB01				Sb	14 06 14.0	-5.5
LVC	Limon Verde	11.31 142	P	Pn	14 04 54.1	+2.6
LVC				Sn	14 06 58.0	+0.8
LVC				LR	14 09 04.2	
LVC				Pn	14 04 52.8	+1.3
LVC				Sn	14 06 58.0	+0.8
LVC				Pn	14 05 13.7	+3.3
MOCB	Mochara	12.68 127	ePn	Pn	14 05 24.4	-1.4
SAML	Samuel	13.83 71	ePn	Pn	14 05 37.2	+0.4
OTAV	Otavallo	14.07 352	ePn	Pn	14 05 31.2	+1.8
OTAV				Pn	14 05 42.8	+1.2
SIV	San Ignacio	15.00 100	P	LR	14 10 57.4	
SIV				Pn	14 05 38.8	-2.8
POPC	Popayan, Colom	16.22 359	ePn	LR	14 06 02.6	+2.1
ROSC	Ei Rosal	16.62 7	LR	LR	14 14 32.5	
NORC	Norcasia	19.28 5	ePn	Pn	14 06 36.1	+0.9
RUSC	La Rusia	19.82 10	ePn	Pn	14 06 41.7	-0.4
PTGA	Pitinga	20.82 53	P	P	14 06 49.8	-1.0
PTGA				S	14 10 38.0	-3.6
PTGA				LR	14 16 01.7	
PTGA				P	14 06 49.0	-1.8
PTGA				S	14 10 38.0	-3.6
CPUP	Villa Florida	21.81 128	LR	LR	14 15 46.3	
SDV	Santo Domingo	23.24 15	P	P	14 07 16.2	-0.4
SDV				LR	14 17 16.9	
SDV				P	14 07 16.3	-0.4
PLCA	Paso Flores	27.34 170	P	P	14 07 55.4	+1.4
PLCA				LR	14 16 21.5	
CMIG	Matias Romero	35.69 329	P	P	14 09 08.3	+0.9
034A	Hebronville	46.00 332	P	P	14 10 32.7	+0.4
248A	Northport	48.08 347	P	P	14 10 47.3	-1.1
Y47A	UCPARC, Winfie	48.65 347	P	P	14 10 51.8	-1.1
Y46A	Houston	48.86 346	P	P	14 10 53.2	-1.2
KMSC	Kings Mountain	48.88 355	P	P	14 10 53.5	-1.0
MIAR	Mount Ida	50.75 342	P	P	14 11 08.4	-0.5
X39A	Fountain Ranch	50.88 341	P	P	14 11 09.0	-0.5

W41B	Gary Mavity, V	50.95 343	P	P	14 11 10.2	-0.1
	baz=160					
X301	Greenbrier Sit	51.05 343	eP	P	14 11 09.7	-1.4
	33nm, 1.4s					
ABTX	Abilene, Hawle	51.21 335	P	P	14 11 12.2	-0.2
	baz=150					
X38A	Whitesboro	51.26 341	P	P	14 11 13.1	+0.4
	baz=157					
Y35A	Marietta	51.33 338	P	P	14 11 13.8	+0.6
	baz=154					
W39A	Magazine	51.42 342	P	P	14 11 14.4	+0.6
	baz=158					
V41A	Mountainview	51.50 344	P	P	14 11 13.6	-0.8
	baz=160					
W38A	Poteau	51.53 341	P	P	14 11 14.5	-0.1
	baz=157					
V40A	Witts Springs	51.70 343	P	P	14 11 15.7	-0.3
	baz=159					
X35A	Drake	51.75 338	P	P	14 11 15.8	-0.6
	baz=154					
U42A	Reverden	51.79 345	P	P	14 11 15.7	-0.8
	baz=161,SNR=5.2					
W37B	Quinton	51.89 340	P	P	14 11 16.2	-1.2
	baz=156					
U41A	Viola	51.96 344	P	P	14 11 16.9	-1.0
	baz=161					
V39A	Pettigrew	51.97 342	P	P	14 11 17.4	-0.6
	baz=158					
W36A	Wetumka	52.15 339	P	P	14 11 19.4	+0.1
	baz=155					
V38A	Gene Hill	52.22 341	P	P	14 11 19.4	-0.5
	baz=158,SNR=5.4					
U40A	Yellville	52.23 343	P	P	14 11 19.3	-0.6
	baz=160					
T43A	Greenview	52.25 346	P	P	14 11 18.8	-1.2
	baz=163					
W35A	Tecumseh	52.39 339	P	P	14 11 20.2	-0.9
	baz=154					
T42A	Van Buren	52.39 345	P	P	14 11 20.3	-0.8
	baz=159					
U39A	Green Forest	52.43 343	P	P	14 11 21.3	-0.1
	baz=159					
V37A	Hulbert	52.47 341	P	P	14 11 21.2	-0.5
	baz=157					
WCI	Wyandotte Cave	52.56 350	eP	P	14 11 20.7	-1.6
	39nm, 0.6s					
T41A	Mountain View	52.58 345	P	P	14 11 22.2	-0.3
	baz=161					
S44A	Greenbale	52.60 347	P	P	14 11 21.3	-1.3
	baz=164					
V36A	Jenks	52.65 340	P	P	14 11 21.7	-1.3
	baz=156					
TUL1	Leonard	52.71 340	P	P	14 11 22.8	-0.7
	baz=156					
U37A	Salina	52.95 341	P	P	14 11 24.5	-0.7
	baz=157					
T39A	Cleves	53.00 343	P	P	14 11 25.1	-0.5
	baz=159					
S42A	Caledonia	53.02 346	P	P	14 11 24.8	-0.9
	baz=162					
MNXX	Cornudas Mount	53.07 329	P	P	14 11 25.9	-0.3
	baz=147					
MNXX	Cornudas Mount	53.07 329	eP	P	14 11 26.1	-0.1
	3.9nm, 1.1s					
S41A	Jilco Farms,	53.09 345	P	P	14 11 25.3	-0.9
	baz=161,SNR=7.2					
R44A	Waltoville	53.10 348	P	P	14 11 25.3	-0.9
	baz=164					
Q47A	Bedord North L	53.27 350	P	P	14 11 26.2	-1.3
	baz=168					
T38A	Diamond	53.27 342	P	P	14 11 27.0	-0.6
	baz=158					
S40A	Lebanon	53.29 344	P	P	14 11 27.1	-0.7
	baz=160					
R43A	Red Bud	53.31 347	P	P	14 11 26.9	-0.9
	baz=155					
U35A	Pawnee	53.44 340	P	P	14 11 27.4	-1.5
	baz=155					
R42A	Luebbering	53.51 346	P	P	14 11 27.8	-1.5
	baz=160					
Q46A	CEJHS Indians,	53.51 349	P	P	14 11 27.9	-1.4
	baz=163					
T37A	Cheneyville 18	53.54 342	P	P	14 11 28.2	-1.4
	baz=157					
S39A	Bolivar	53.60 343	P	P	14 11 29.2	-0.8
	baz=159					
R41A	Rosebud	53.67 345	P	P	14 11 29.3	-1.1
	baz=162					

16d 15h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like FURC, RSSD, MPMC, C36A, C35A, C34A, D32A, DUG, DUG, R11A, R11A, PKM, CWC, C33A, B35A, SMMC, PDAR, BW06, B34A, B33A, AGMN, AGMN, C31A, B32A, HVU, A33A, B31A, MDND, FXWY, IMW, RLMT, RLMT, ULM, YHH, PAHR, HLID, HLID, MCMT, BOZ, MFID, ORV, EGMF, MSO, M04C, J05D, L02D, I05D, SNA, DBIC, B05A, YKAO, TORO, SYO, RES, SUMG, MAW, H1N3, H1N2, H1N1, H1S1, H1S3, ZALV, MKAR, ULN, SONM, KSR5, KSAR, CD2.

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Table with columns: YOJ, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WNF, TWE, ENA, ENT, NSK, NSK, NNS, TWD, TWD, WHF, TWT, IRIF, ES, TQW1, JKRS, JKRS, JIJ, TYC, JISG, ALS, CHNS.

IDC 16 14:13:53.02.0.6,34S,129.65E,h0km,mb4.0/1, mb1 4.1/4, mb1mx3.6/31, mbtmp3.9/4, ML3.9/3, Error ellipse: s-maj=85.4km s-min=26.9km az=76.0, Banda Sea

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

CSEM 16 14:24:49.0.5.38,99N,43.57E,h17km,5km,ML2.6, Error ellipse: s-maj=13.0km s-min=8.3km az=108.0, ISK 16 14:24:49.5,38.94N,43.61E,h26km,MD2.6

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like VMUR, VMUR, VMUR, CLDR, CLDR, VANB, VANB, TVAN, TVAN, TVAN, ADCV, ADCV, TUTA, TUTA, AGRB, AGRB, VRTB.

MAN 16 14:30:56,9.79N,126.06E,h15km,mb3.7,ML2.5,MS2.0, ID,Mindanao

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

ISK 16 14:34:32.6,38.91N,43.81E,h24km,ML2.3, DDA 16 14:34:33.0,38.93N,43.84E,h7km,ML2.8, ISK 16 14:34:34.0,38.95N,43.75E,h10km,5km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like VMUR, VMUR, CLDR, CLDR, VANB, VANB, TVAN, TVAN, TVAN, DYND, DYND, TUTA, TUTA, AGRB, AGRB, AGRB, EKAR, EKAR, EKAR.

ISK 16 14:08:44.7,0.6,24.74N,0.05,122.41E,0.02,h10km,5km, Error ellipse: s-maj=8.8km s-min=3.1km az=8.8, JMA 16 14:08:45.8,24.64N,122.38E,h33km,3km,ML2.6

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like TWB1, TWB1, TWC, TWC, JYNG, JYNG, YOJ.

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ISCJB 16 14:39:31.1,0.7,5.37S,0.07,147.2E,0.1,h195km, mb3.7/10, Error ellipse: s-maj=16.4km s-min=10.2km az=10.0

IDC 16 14:39:33.8,1.8,5.50S,147.05E,h202km,1.7km,mb3.4/9, mb1 3.6/12, mb1mx3.5/33, mbtmp4.0/12, Error ellipse: s-maj=17.2km s-min=10.3km az=105.0

ISC 16 14:39:32.8,0.8,5.53S,148.00E,0.17E,0.1,h195km,1n4, c19117,mb3.8/10, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PMG, PMG, CTA, CTA, WRA, WRA, ASAR, ASAR, FITZ, FITZ, DZM, DZM, STKA, STKA, CMAR, CMAR, SONM, SONM, VDA, VDA, MKAR, MKAR, ZALV, ZALV, ILAR, ILAR, TORD.

IDC 16 14:53:23.2,3.1,4.32S,133.89E,h0km,mb3.7/1, mb1 3.9/4, mb1mx3.5/33, mbtmp3.7/4, ML3.6/3, MS3.3/2, MS1 3.2/m1mx2.7/7, Error ellipse: s-maj=131.7km s-min=29.2km az=82.0, Irian Jaya region

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

DJA 16 14:54:08.7,0.2,8.52S,111.9E,1h10km,M3.7/8,MLV3.7/8, Sumbawa region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PLAI, PLAI, TWSI, TWSI, BSSI, BSSI, EDPI, EDPI, MMRI, MMRI, MBRI, MBRI, SPSI, SPSI, JAGI, JAGI.

NIED 16 14:55:00,38.80N,142.50E,h68km,Mw3.8 Best double couple: M5.84000x10^14 NPI:1e14.00000, 859.00000, lambda-178.00000, NP2:283.00000, delta88.00000, lambda-31.00000

JMA 16 14:55:02.0,0.1,38.82N,142.51E,h29km,2km,M3.7, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like OFUJ, OFUJ, MIYU, MIYU, MIJY, MIJY, JIO, JIO, JMK, JMK, JOM, JOM, JTH, JTH, JJU, JJU, JRG, JRG, JMM, JMM, JYK, JYK, JANG, JANG.

MAN 16 15:02:40,12.45N,121.90E,h18km,mb3.9,ML2.7,MS2.4, 1C,Mindoro

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like OTRP, OTRP, SJMP, SJMP, BOAC, BOAC, RCP, RCP, LUBP, LUBP.

ATA 16 15:03:35.2,38.49N,43.63E,h69km,MD2.8,ML3.9, WWJ3,4DDA, DDA 16 15:03:39.7,38.71N,43.58E,h20km,ML3.3

ISCJB 16 15:03:40.0,0.0,38.74N,0.02,43.60E,0.04,h5km,4km, Error ellipse: s-maj=5.1km s-min=3.0km az=4.9, ISK 16 15:03:40.0,38.73N,43.41E,h13km,ML2.8

CSEM 16 15:03:40.1,0.3,38.74N,43.59E,h2km,ML2.8, Error ellipse: s-maj=6.4km s-min=4.0km az=91.0, ISK 16 15:03:40.1,0.9,38.73N,0.01,43.60E,0.03,h12km,7km, n55,c1935/95,1D,Turkey

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

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Includes stations like VMUR Van-Muradiye, ERVY ERVY, ERVY ERVY, etc.

CSEM 16 15:04:46.0.2, 38.84N, 43.58E, h8km, ML3.1, Error ellipse: s-maj=6.3km s-min=3.9km az=96.0

DDA 16 15:04:46.5, 38.86N, 43.52E, h12km, ML2.8

ISD 16 15:04:46.2, 38.82N, 43.64E, h11km, ML3.1

ISC 16 15:04:46.9.0.3, 38.85N, 0.02, 43.57E, 0.03, h12km, 6km, n37, c1503/57, Turkey

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Includes stations like VMUR Van-Muradiye, ERVY ERVY, ERVY ERVY, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Includes stations like BTMM Batman, BTMM Batman, BTMM Batman.

ISC/JB 16 15:22:41.5.2.7, 19.34N, 0.05, 121.23E, 0.09, h13km, 18km, mb3.0, 7.7, Error ellipse: s-maj=15.3km s-min=6.6km az=164.3

MAN 16 15:22:52.0.8.8, 19.23N, 121.21E, h12km, mb4.8, ML3.7, MS3.7, IDC 16 15:22:52.0.8.8, 19.23N, 121.58E, h14km, 89km, mb3.2/7, mb1.3/4.8, mb1mx3.3/3.5, mbmtpp3.6/8, ML3.0/1, MS2.8/1, Ms1.2.8/1, ms1mx2.4/1.5, Error ellipse: s-maj=33.4km s-min=15.7km az=72.0

ISC 16 15:22:42.3.2.7, 19.19N, 0.08, 121.25E, 0.09, h10km, 17km, n20, c163/16, mb3.5/7, Philippine Islands region

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SGCP Mt. Cagua, APYP Conner, CVP Callao Caves, ABPA Dolores, CAUB Cauayan, TG Y Tagaytay City, etc.

IDC 16 15:26:43.0.3.4, 30.86S, 177.42W, h0km, mb3.5/2, mb1.3/8.2, mb1mx3.5/1.9, mbmtpp3.5/2, Error ellipse: s-maj=69.5km s-min=28.8km az=102.0, Kermadec Islands

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Includes stations like RAO Raoul Island, ASAR Alice Springs, WRA Warramunga Arr, etc.

ISC 16 15:58:02.3, 38.84N, 43.56E, h5km, MD2.6

ISC/JB 16 15:58:03.8.1.2, 38.85N, 0.04, 43.61E, 0.09, h20km, 12km, Error ellipse: s-maj=12.1km s-min=6.5km az=19.6

CSEM 16 15:58:03.9.0.4, 38.88N, 43.55E, h5km, MD2.4, Error ellipse: s-maj=11.7km s-min=7.4km az=114.0

DDA 16 15:58:04.3, 38.86N, 43.49E, h7km, MD2.4

ISC 16 15:58:03.9.1.0, 38.89N, 0.04, 43.56E, 0.05, h17km, 6km, n12, c085/20, Turkey

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Includes stations like VMUR Van-Muradiye, ERVY ERVY, ERVY ERVY, etc.

IDC 16 16:01:30.4.1.8, 23.29S, 174.58W, h0km, mb4.0/4, mb1.4/2.6, mb1mx3.8/3.5, mbmtpp4.1/6, ML3.7/2, Error ellipse: s-maj=66.7km s-min=27.8km az=153.0

ISC/JB 16 16:01:32.1.0.9, 23.05S, 0.1, 174.5W, 0.1, h33km, mb4.1/5, Error ellipse: s-maj=19.1km s-min=10.0km az=41.8

NEIC 16 16:01:34.6.0.8, 23.35S, 174.46W, h35km, mb4.6/2, Error ellipse: s-maj=25.3km s-min=11.7km az=158.0

ISC 16 16:01:35.0.1.0, 23.31S, 0.1, 174.5W, 0.1, h35km, n10, c156/12, mb4.1/5, Tonga Islands region

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Includes stations like AFI Afiamalu, AFI Afiamalu, AFI Afiamalu, etc.

CSEM 16 16:07:23.0.0.3, 39.00N, 43.64E, h2km, ML3.3, Error ellipse: s-maj=6.5km s-min=4.6km az=91.0

ISC 16 16:07:22.8.0.8, 39.00N, 0.02, 43.56E, 0.02, h4km, 4km, n63, c157/91, Turkey

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Includes stations like VMUR Van-Muradiye, VMUR Van-Muradiye, CLDR Caldiran, etc.

ISC 16 16:07:23.0.0.3, 39.00N, 43.64E, h2km, ML3.3, Error ellipse: s-maj=6.5km s-min=4.6km az=91.0

ISC 16 16:07:22.8.0.8, 39.00N, 0.02, 43.56E, 0.02, h4km, 4km, n63, c157/91, Turkey

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Includes stations like DIGO Kars, DIGO Kars, DIGO Kars, etc.

MAN 16 16:11:58.7, 33N, 125.79E, h33km, mb4.6, ML3.5, MS3.5, 3C-1D, Mindanao

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Includes stations like DMPH Davao City, DMPH Davao City, MATI Mati, etc.

NIED 16 16:14:00.39, 10N, 142.50E, h44km, Mw3.7 Best double couple: M1=2.0000E-10, N1=3.28E-0000, S2=8.0000E-0000, X=1.08E-0000, Y=1.68E-0000, Z=6.64E-0000, Z=81.00000

ISC/JB 16 16:14:05.2.1.1, 39.12N, 0.04, 142.4E, 0.1, h44km, 8km, mb3.8/8, Error ellipse: s-maj=13.7km s-min=5.6km az=17.1

JMA 16 16:14:05.0.0.1, 39.14N, 142.39E, h35km, 1km, M3.9

JMA Felt J1, IDC 16 16:14:08.2.6.2, 39.08N, 142.39E, h62km, 22km, mb3.5/8, mb1.3/5.1, mb1mx3.3/4.4, mbmtpp3.7/11, ML2.9, MS1.9/1, s-min=15.0km az=97.0

ISC 16 16:14:05.6.1.9, 39.13N, 0.05, 142.33E, 0.09, h29km, 11km, n27, c149/31, mb3.9/8, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Includes stations like OFUJ Ofunato, OFUJ Ofunato, MIYJ Miyakonagasawa, etc.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LUWI, BNDI, MRSI, APSI, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MESS, CUI, CONN, etc.

ISK 16 17:26:50.4, 38.73N:43.07E, h5km, MD2.8
ISCJB 16 17:26:51.7, 0.5, 38.75N:0.02:43.09E:0.04, h5km, 7km,
Error ellipse: s-maj=4.7km s-min=4.2km az=0.1

ATA 16 17:42:15.6, 38.83N:43.49E, h20km, MD3.3, ML3.5,
MW3.4(DDA)
ISK 16 17:42:16.3, 38.91N:43.58E, h2km, ML3.0

MOMN Momotombo 1.94 500 ePn Pn 17 43 12.9 -1.6
HDC Heredia 2.11 103 ePn Pn 17 43 16.1 -0.7
SJS Escuela Geolog 2.18 104 ePn Pn 17 43 18.7 +0.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VANB, ADCV, ERVC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VMUR, ERVC, VANB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MESS, CUI, CONN, etc.

MEX 16 17:28:06.4, 0.5, 17.30N:101.41W, h8km, 5km, MD3.7,
Near coast of Guerrero

ATA 16 17:42:15.6, 38.83N:43.49E, h20km, MD3.3, ML3.5,
MW3.4(DDA)

MOMN Momotombo 1.94 500 ePn Pn 17 43 12.9 -1.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ZIIG, CAIG, ARIG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VMUR, ERVC, VANB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MESS, CUI, CONN, etc.

DDA 16 17:37:53.0, 38.73N:43.34E, h7km, Md2.8

ATA 16 17:42:15.6, 38.83N:43.49E, h20km, MD3.3, ML3.5,
MW3.4(DDA)

MOMN Momotombo 1.94 500 ePn Pn 17 43 12.9 -1.6

ISCJB 16 17:37:54.2, 0.8, 38.67N:0.04:43.27E:0.07, h20km, 8km,
Error ellipse: s-maj=9.2km s-min=6.5km az=65.0

ATA 16 17:42:15.6, 38.83N:43.49E, h20km, MD3.3, ML3.5,
MW3.4(DDA)

MOMN Momotombo 1.94 500 ePn Pn 17 43 12.9 -1.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VANB, ADCV, ERVC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VMUR, ERVC, VANB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MESS, CUI, CONN, etc.

DDA 16 17:38:38.1, 6.22, 35.05, 170.0E:0.1, h21km, n8,
e19038, mb3.54, M53.33, Southeast of Loyalty Islands

ATA 16 17:42:15.6, 38.83N:43.49E, h20km, MD3.3, ML3.5,
MW3.4(DDA)

MOMN Momotombo 1.94 500 ePn Pn 17 43 12.9 -1.6

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VMUR, ERVC, VANB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MESS, CUI, CONN, etc.

ABTX	Abilene, Hawle	25.28 333	P	P	17 48 06.5 +0.5
ABTX	Abilene, Hawle	25.28 333	eP	P	17 48 06.8 +0.8
WHAR	Woolly Hollow	25.31 348	eP	P	17 48 04.8 -1.4
X38A	Whitesboro	25.33 343	P	P	17 48 05.7 -0.7
Y35A	Marietta	25.34 339	P	P	17 48 07.7 +1.2
W40A	Ferguson Farm,	25.38 347	P	P	17 48 06.0 -0.9
W40A	Ferguson Farm,	25.38 347	eP	P	17 48 06.4 -0.4
W39A	Magazine	25.55 345	P	P	17 48 07.6 -0.8
WVT	Waverly	25.58 357	eP	P	17 48 06.8 -1.8
W38A	Poteau	25.62 344	P	P	17 48 07.0 -2.0
V42A	Cord	25.65 350	P	P	17 48 06.8 -2.5
X36A	Centrahoma	25.71 340	P	P	17 48 08.9 -0.9
V41A	Mountainview	25.77 349	P	P	17 48 08.6 -1.7
X35A	Drake	25.77 339	P	P	17 48 10.2 -0.1
X35A	Drake	25.77 339	eP	P	17 48 11.3 +0.9
V40A	Whits Springs	25.92 346	P	P	17 48 09.9 -1.9
W37B	Quinton	25.95 343	P	P	17 48 10.8 -1.2
W37B	Quinton	25.95 343	eP	P	17 48 11.3 -0.7
U43A	Rector	26.05 352	P	P	17 48 11.1 -1.8
V39A	Pettigrew	26.13 346	P	P	17 48 12.5 -1.2
U42A	Reviden	26.16 351	P	P	17 48 12.2 -1.6
W36A	Wetumka	26.19 341	P	P	17 48 13.3 -0.9
W36A	Wetumka	26.19 341	eP	P	17 48 13.8 -0.3
U41A	Viola	26.27 350	P	P	17 48 13.2 -1.6
V38A	Canehill	26.34 345	P	P	17 48 13.9 -1.7
U40A	Yellville	26.46 348	P	P	17 48 14.9 -1.7
PBMO	Poplar Bluff	26.46 352	eP	P	17 48 15.0 -1.6
V37A	Hulbert	26.56 344	P	P	17 48 16.0 -1.5
U39A	Green Forest	26.62 347	P	P	17 48 16.5 -1.6
HHAR	Hobbs	26.63 346	eP	P	17 48 16.9 -1.2
V36A	Jenks	26.70 342	P	P	17 48 17.5 -1.2
WMOK	Wichita Mounta	26.74 337	P	P	17 48 18.5 -0.6
WMOK	Wichita Mounta	26.74 337	eP	P	17 48 18.6 -0.6
T43A	Greenville	26.74 353	P	P	17 48 17.1 -2.0
TUL1	Leonard	26.77 343	P	P	17 48 17.9 -1.6
TUL1	Leonard	26.77 343	eP	P	17 48 18.2 -1.2
T42A	Van Buren	26.80 351	P	P	17 48 17.7 -2.0
U38A	Gravette	26.89 345	P	P	17 48 18.5 -1.9
T41A	Mountain View	26.92 350	P	P	17 48 18.3 -2.5
U37A	Salina	27.04 344	P	P	17 48 20.0 -1.8
T40A	Mansfield	27.16 349	P	P	17 48 21.0 -1.9
S43A	Fulton Ridge,	27.20 353	P	P	17 48 21.1 -2.1
T39A	Cleaver	27.21 347	P	P	17 48 21.5 -1.8
S44A	Carbondale	27.23 355	P	P	17 48 21.6 -1.9
T38A	Diamond	27.43 346	P	P	17 48 23.8 -1.5
S41A	Jilco Farms,	27.45 350	P	P	17 48 24.0 -1.5
S42A	Caledonia	27.48 352	P	P	17 48 23.4 -2.3
U35A	Pawnee	27.48 344	P	P	17 48 24.4 -1.4
MNXX	Cornudas Mount	27.59 323	P	P	17 48 28.0 +1.2
MNXX	Cornudas Mount	27.59 323	eP	P	17 48 26.7 -0.1
S40A	Lebanon	27.59 349	P	P	17 48 24.6 -2.1
T37A	Cheneyville 18	27.67 345	P	P	17 48 26.0 -1.5
R44A	Waltonville	27.77 355	P	P	17 48 26.8 -1.5
CCM	Cathedral Cave	27.83 351	eP	P	17 48 27.5 -1.4
S39A	Bolivar	27.84 348	P	P	17 48 27.0 -2.0
T36A	Boggs Farm, Ca	27.87 343	P	P	17 48 27.5 -1.7
MSTX	Muleshoe	27.88 330	P	P	17 48 28.9 -0.6
MSTX	Muleshoe	27.88 330	eP	P	17 48 29.4 -0.1
R43A	Red Bud	27.88 354	P	P	17 48 27.5 -1.8
S38A	Stockton	27.91 347	P	P	17 48 27.4 -2.2
AMTX	Amarillo	28.10 332	P	P	17 48 31.0 -0.4
R40A	Maddies Statio	28.22 350	P	P	17 48 29.6 -2.7
S37A	Fort Scott	28.25 345	P	P	17 48 31.1 -1.5
Q47A	Bedord North L	28.34 360	P	P	17 48 31.3 -2.1
PTGA	Pitlinga	28.38 112	P	P	17 48 35.1 +1.1
PTGA	Chumby, Stover	28.39 349	P	P	17 48 31.8 -2.1
S36A	Lake Cedric, C	28.41 344	P	P	17 48 32.9 -1.2
Q44A	Meyer Farm, Va	28.41 355	P	P	17 48 32.4 -1.7
Q43A	New Douglas	28.51 354	P	P	17 48 33.0 -2.0
S35A	Otter Creek Ra	28.57 343	P	P	17 48 34.2 -1.3
Q41A	Truxton	28.71 352	P	P	17 48 34.7 -1.9
R37A	Teagarden Farm	28.77 346	P	P	17 48 36.0 -1.3
Q40A	Laux Farm, Aux	28.88 350	P	P	17 48 36.5 -1.7
P47A	Martinsville	28.89 360	P	P	17 48 36.6 -1.7
P44A	Sand Creek, Wi	28.95 356	P	P	17 48 36.9 -1.9
R36A	Gordon, Harris	28.95 345	P	P	17 48 37.5 -1.4
P46A	Rosedale	29.03 358	P	P	17 48 37.5 -2.1
Q39A	Willow Grove F	29.08 349	P	P	17 48 37.7 -2.3
Q38A	Cooks Store, C	29.12 348	P	P	17 48 38.5 -1.9
P41A	Barry, Barry	29.39 352	P	P	17 48 40.6 -2.2
R34A	Isabella, Hill	29.42 342	P	P	17 48 42.2 -0.8
P39B	Salisbury	29.47 350	P	P	17 48 41.0 -2.4
Q35A	Mercer Eighty,	29.59 344	P	P	17 48 43.2 -1.4

O47A	Sheridan	29.63 0	P	P	17 48 42.9 -2.0
O45A	Potomac	29.68 358	P	P	17 48 43.2 -2.1
P38A	Dawn	29.75 349	P	P	17 48 43.6 -2.3
ACSO	Alum Creek Sta	29.77 5	eP	P	17 48 45.0 -1.1
SFIN	Lafayette	29.79 359	P	P	17 48 43.8 -2.5
O41A	Pasleys Farm,	29.80 353	P	P	17 48 43.7 -2.6
O40A	La Belle	29.95 351	P	P	17 48 45.2 -2.4
SAML	Samuel	29.96 129	eP	P	17 48 45.9 -2.1
N44A	Piper City	30.24 357	P	P	17 48 48.3 -2.0
N46A	Monticello	30.30 359	P	P	17 48 48.5 -2.2
N41A	Harden Midland	30.39 353	P	P	17 48 49.1 -2.4
P34A	Walnut Farm, R	30.45 344	P	P	17 48 50.4 -1.7
ANMO	Albuquerque	30.56 326	P	P	17 48 54.9 +1.4
ANMO	Albuquerque	30.56 326	eP	P	17 48 55.0 +1.6
ANMO	Albuquerque	30.56 326	eP	P	17 48 55.4 +1.9
N39A	Derby Farms, D	30.78 351	P	P	17 48 53.4 -1.6
SSPA	Standing Stone	30.92 12	eP	P	17 48 56.1 -0.1
L42A	Oliver, Polo	31.55 355	P	P	17 48 59.6 -2.2
N59A	State Game Lan	31.68 15	P	P	17 49 00.7 -0.3
L41A	Preston	31.70 354	P	P	17 49 00.7 -2.3
L40A	Anososa	31.77 353	P	P	17 49 01.1 -2.6
LPZAZ	La Paz	32.05 146	LR	18 02 47.5	
L38A	Oak Wood Farm,	32.09 351	P	P	17 49 04.0 -2.5
K41A	Shullsburg	32.20 354	P	P	17 49 04.6 -3.0
SDCO	Great Sand Dun	32.22 331	P	P	17 49 08.7 +0.6
SDCO	Great Sand Dun	32.22 331	eP	P	17 49 07.8 -0.3
L36A	Harm Buss Farm	32.36 348	P	P	17 49 07.5 -1.4
K40A	Colesburg	32.38 353	P	P	17 49 06.3 -2.7
K39A	Oelwein	32.48 352	P	P	17 49 07.6 -2.4
K38A	Parkersburg	32.55 351	P	P	17 49 08.4 -2.2
W18A	Petrified Fore	32.57 323	P	P	17 49 13.2 +2.1
214A	Organ Pipe Nat	32.58 313	P	P	17 49 13.4 +2.4
J42A	Columbus	32.81 356	P	P	17 49 10.9 -1.9
K37A	Belmond	32.81 350	P	P	17 49 10.6 -2.2
S22A	4UR Ranch, Cre	32.88 329	P	P	17 49 14.2 +0.3
S22A	4UR Ranch, Cre	32.88 329	eP	P	17 49 15.2 +1.4
J41A	Loganville	32.93 355	P	P	17 49 11.8 -2.1
J40A	Soldiers Grove	33.03 354	P	P	17 49 12.8 -2.0
J39A	Decatur	33.08 353	P	P	17 49 13.8 -1.4
X16A	Lo Mia Camp, P	33.16 320	eP	P	17 49 19.4 +3.2
J38A	Wedel Dairy, R	33.17 352	P	P	17 49 13.4 -2.5
J36A	Seneca 1, Swea	33.48 349	P	P	17 49 16.6 -2.1
I40A	Norwalk	33.51 354	P	P	17 49 16.4 -2.5
I39A	Houston	33.57 353	P	P	17 49 16.8 -2.6
I41A	Arkdale	33.60 351	P	P	17 49 17.2 -2.5
MNMC	Minnye Minye	33.67 151	eP	P	17 49 20.3 -0.6
H42A	Shiocton	33.96 357	P	P	17 49 20.9 -1.9
I37A	Lemond, Waseca	33.99 351	P	P	17 49 20.9 -2.2
H40A	Chili	34.21 355	P	P	17 49 22.6 -2.4
PV05	Paradox Valley	34.31 327	eP	P	17 49 27.0 +0.7
ECSD	EROS Data Cent	34.34 347	P	P	17 49 23.6 -2.6
H39A	Augusta	34.36 354	P	P	17 49 23.9 -2.4
H38A	Maitan Rock	34.47 352	P	P	17 49 24.6 -2.7
PV10	Paradox Valley	34.49 327	eP	P	17 49 28.1 +0.2
H36A	Jessenland, He	34.62 350	P	P	17 49 26.3 -2.3
PDMCI	Parker Dam,Lak	34.85 317	P	P	17 49 33.0 +2.4
G38A	Ridgeland	34.91 353	P	P	17 49 27.8 -3.2
G39A	Holcomb	34.94 354	P	P	17 49 28.5 -2.8
SPMN	Marine on St.	35.08 352	P	P	17 49 29.7 -2.8
SPMN	Marine on St.	35.08 352	eP	P	17 49 29.9 -2.7
W13A	Hualapai Mount	35.15 319	eP	P	17 49 36.3 +2.8
IKP	In-Ko-Pah, Jac	35.29 313	P	P	17 49 37.7 +3.1
F39A	Loretta	35.54 354	P	P	17 49 33.4 -3.1
F37A	Hinrichs Farm,	35.55 352	P	P	17 49 34.1 -2.4
MONP2	Monument Peak	35.64 313	P	P	17 49 41.3 +3.6
F38A	Pierce - Schro	35.69 353	P	P	17 49 34.9 -2.8
F36A	Mitaca	35.81 351	P	P	17 49 35.7 -3.0
BORC	Borrego Spring	35.83 314	P	P	17 49 42.2 +3.0
BORC	Borrego Spring	35.83 314	eP	P	17 49 42.7 -1.8
BELC	Belle Miln. Jos	35.94 315	eP	P	17 49 45.3 +5.1
G32A	Wabster	35.98 346	P	P	17 49 37.1 -3.2
MTPU	Mount Pierson	36.00 324	eP	P	17 49 43.1 +2.1
Q16A	Castle Valley	36.04 326	eP	P	17 49 39.2 -1.9
PFO	Pinyon Flats O	36.05 314	P	P	17 49 43.9 +2.8
GMRC	Granite Mounta	36.15 317	P	P	17 49 44.1 +2.1
CRY	Cary Ranch	36.22 314	eP	P	17 49 40.7 +4.4
F33A	5 Mile Ranch	36.28 348	P	P	17 49 39.2 -3.6
E36A	McGregor	36.41 352	P	P	17 49 41.0 -2.9
DGR	Domegenio Val	36.45 314	eP	P	17 49 45.2 +0.7
HEC	Hector,Ludlow	36.63 316	P	P	17 49 48.7 +2.7
HEC	Hector,Ludlow	36.63 316	eP	P	17 52 07.4 -1.0
RSSD	Black Hills	36.90 338	P	P	17 49 48.0 -0.4
D37A	Cotton	36.93 353	P	P	17 49 45.9 -2.5
D36A	Goodland	37.05 352	P	P	17 49 46.1 -3.2
D35A	Remer	37.08 351	P	P	17 49 46.4 -3.2
VTV	Victorville	37.16 315	eP	P	17 49 50.2 -0.4
BFSO	Mount Baldy Ra	37.22 314	eP	P	17 49 43.9 +3.5
D33A	AnnSam, Waupun	37.44 349	P	P	17 49 48.8 -2.9
C37A	Embarrass	37.47 353	P	P	17 49 50.5 -2.3

CHFC	Chilao Flat St	37.53 314	eP	P	17 49 50.0 -3.8
PASC	Pasadena Art C	37.56 314	eP	P	17 49 50.2 -3.6
C35A	Jirik Farms, M	37.67 351	P	P	17 49 51.4 -3.2
D31A	Mcclellin, Tow	37.73 347	P	P	17 49 52.0 -3.1
C34A	RKJ Ranch, Bem	37.77 350	P	P	17 49 52.5 -2.9
TPNV	Topopah Spring	37.80 319	P	P	17 49 58.2 +2.2
TPNV	Topopah Spring	37.80 319	eP	P	17 49 56.1 +0.1
EDW2	Edwards Air Fo	37.80 315	P	P	17 49 58.4 +2.5
EDW2	Edwards Air Fo	37.80 315	eP	P	17 52 14.5 +2.5
SBI	Santa Barbara	37.82 312	eP	P	17 50 10.3 +1.9
SBI	Santa Barbara	37.82 312	eP	P	17 52 11.4 -0.5
LRMC	Laurel Mtn Rad	37.91 316	P	P	17 49 59.4 +2.5
BW06	Boulder Array	38.08 332	P	P	17 49 57.7 -0.7
PD31	Pinedale Array	38.08 332	eP	P	17 49 58.0 -0.4
PD31	Pinedale Array	38.08 332	eP	P	17 52 13.7 +0.8
PDAR	Pinedale Array	38.08 332	eP	P	18 08 34.8
PDAR	Pinedale Array	38.08 332	eP	P	17 49 57.5 -0.9
PDAR	Pinedale Array	38.08 332	eP	P	17 52

CSEM 16 17:52:28.9,37:25N,22:00E,h5km,ML0.7/4
ATH 16 17:52:28.9,37:25N,22:00E,h5km,2km,ML0.7/4, Error
ellipse: s-maj=2.6km s-min=1.0km az=134.0, Southern
Greece

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like ITHOMI, VLACHOKERASIA, ARTEMIDA-MAKIS, PYLOS, etc.

DDA 16 17:55:55.9,38:38N,30:27E,h7km,Md2.4
ISCJB 16 17:55:56.0,38:38N,30:27E,0.04,h2km,10km,
Error ellipse: s-maj=6.6km s-min=5.1km az=19.6
CSEM 16 17:55:56.0,38:38N,30:27E,h5km,MD2.7, Error
ellipse: s-maj=3.5km s-min=3.1km az=50.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like SHUT, AFYON\_KIZIOREN, BOLVADIN, KARAHALLI, etc.

IDC 16 17:58:37.9,1.0,52:09N,171.48W,h0km,mb3.8/16,
mb1.4,0/18,mb1mx3.9,38,mb2mx3.8/18,ML3.6/2,MS2.8/2,
MS1.2/2,ms1mx2.5/35,Error ellipse: s-maj=27.1km
s-min=16.6km az=155.0
NEIC 16 17:58:43.1,0.0,51:83N,171:34W,h26km,mb4.3/3,
ML3.8(AEIC),After Aftershock
ISCJB 16 17:58:44.0,51:95N,170:09W,0.05,h67km,4km,
mb3.8/17, Error ellipse: s-maj=15.7km s-min=3.6km
az=165.9

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like KOSE, ATKA, KOROVIN VOLCAN, NIKH, OKSO, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like CARC, PDAR, IRM, KSRS, etc.

ISK 16 18:10:32.6,38:94N,43:51E,h5km,ML2.0
CSEM 16 18:10:33.0,38:95N,43:52E,h10km,MD2.7, Error
ellipse: s-maj=6.6km s-min=5.7km az=105.0
ISCJB 16 18:10:34.2,0.7,38:94N,43:52E,0.06,h11km,6km,
Error ellipse: s-maj=8.3km s-min=5.4km az=10.8
DDA 16 18:10:34.1,38:94N,43:52E,h7km,MD2.7
ISC 16 18:10:33.6,1.0,38:94N,0:03,43:53E,0.03,h11km,6km,
n16,c#080/29,Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like VMUR, ERCS-VAN, ERCS-VAN, etc.

ISK 16 18:42:38.5,38:67N,43:22E,h5km,MD3.2
CSEM 16 18:42:39.0,38:66N,43:20E,h2km,MD3.2, Error
ellipse: s-maj=4.7km s-min=4.4km az=161.0
DDA 16 18:42:39.1,38:64N,43:16E,h7km,ML3.2
ATA 16 18:42:39.1,38:69N,43:01E,h1km,MD2.9,ML3.6,
MW3.4(DDA)
ISCJB 16 18:42:40.2,0.4,38:68N,0:02,43:17E,0.03,h4km,5km,
Error ellipse: s-maj=4.5km s-min=3.7km az=169.4
ISC 16 18:42:40.1,0.8,38:66N,0:02,43:20E,0.02,h11km,7km,
n61,i#124/79,Turkey

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

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

IDC 16 18:47:34.6,8.7,21:04S,178:44W,h276km,79km,
ms3.5/1,mb1.3/7.1,mb1mx3.5/26,mbtm4.4,1/11,MS2.9/1,
MS1.2/9.1,ms1mx2.6/15, Error ellipse: s-maj=29.1km
az=34.0
ISCJB 16 18:47:35.0,8.0,21:1S,0:2,178:5W,0.2,h300km,
mb3.6/11, Error ellipse: s-maj=26.5km s-min=17.7km
az=45.0
ISC 16 18:47:35.4,1.3,20:9S,0:2,178:5W,0.3,h300km,n19,
c#283/12,mb3.8/11,Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like AFI, STKA, ASAR, WRA, FITZ, VANDA, etc.

ISK 16 18:48:09.0,38:52N,43:28E,h5km,MD2.7
DDA 16 18:48:09.6,38:44N,43:36E,h7km,ML2.8
CSEM 16 18:48:09.5,0.3,38:50N,43:31E,h2km,ML2.8, Error
ellipse: s-maj=9.3km s-min=7.0km az=101.0
ISC 16 18:48:09.7,0.9,38:57N,0:01,43:30E,0.04,h9km,6km,
n16,c#102/25,Turkey

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

IDC 16 18:48:24.4,2.2,007S,97:11E,h0km,mb3.9/3,mb1.3/8/5,
mb1mx3.4/5,mbtm3.6/5,ML3.2/2, Error ellipse: s-maj=62.9km
s-min=26.8km az=60.0, Southwest of
Sumatra

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

IASPEI 16 18:51:58.0,1.0,38:52N,0:03,43:30E,0.03,h5km,9km,
Error ellipse: s-maj=4.0km s-min=3.5km az=109.5, GT5
selection from ISC-based GT5 identified by Bond &
McLaughlin (2009) selection criteria Bond &
McLaughlin, A new ground truth data set for seismic
studies, <Seism. Res. Let.>, <b>80</b>, 465-472,
2009
ISC 16 18:51:57.6,38:51N,43:29E,h5km,ML2.5
ISCJB 16 18:51:58.7,0.5,38:53N,0:03,43:36E,0.05,h8km,3km,
Error ellipse: s-maj=6.1km s-min=5.2km az=10.3
CSEM 16 18:51:58.2,0.3,38:51N,43:36E,h8km,ML3.1, Error
ellipse: s-maj=7.0km s-min=5.8km az=105.0
DDA 16 18:51:58.0,38:54N,43:37E,h7km,ML3.1
ISC 16 18:51:58.0,0.9,38:51N,0:02,43:34E,0.03,h6km,6km,
n30,c#55/41,Turkey

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

16d 19h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like VANB Van, GEVA Gevas, ERVY ERVY-VAN, etc.

ISK 16 18:54:40.9, 38:84N, 43:58E, h5km, MD2.6
ISCJB 16 18:54:42.4, 38:84N, 43:57E, h11km, 4km,
Error ellipse: s-maj=0.6km, s-min=0.3km, az=18.5
CSEM 16 18:54:42.1, 38:85N, 43:57E, h10km, ML3.2, Error
ellipse: s-maj=6.2km, s-min=4.2km, az=100.2
DDA 16 18:54:42.3, 38:85N, 43:52E, h5km, ML3.2
ISC 16 18:54:42.3, 38:85N, 43:57E, h12km, 7km,
n34, c0579/46, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like VMUR Van-Muradiye, ERVY ERVY-VAN, VANB Van, etc.

ATA 16 18:56:06.1, 38:90N, 43:57E, h4km, MD3.8, ML4.0,
(MW3.9/DDA)
ISK 16 18:56:07.0, 38:86N, 43:54E, h5km, ML3.6
DDA 16 18:56:08.0, 38:87N, 43:50E, h5km, ML3.7
CSEM 16 18:56:08.9, 38:87N, 43:51E, h5km, ML3.7, Error
ellipse: s-maj=5.3km, s-min=3.4km, az=154.0
AZER 16 18:56:08.3, 38:87N, 43:77E, h17km, 12km, Error
ellipse: s-maj=12.5km, s-min=3.4km, az=54.0
ISC 16 18:56:08.2, 38:84N, 43:58E, h6km, 8km,
n123, c1976/184, 22C-20D, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like VMUR Van-Muradiye, ERVY ERVY-VAN, VANB Van, etc.

2011 NOV

Main table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BASK Baskale\_VAN, AGRB Hanur-Agry, TABS TABSURUN-IGDIR, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes QASR Qusar.

ISCJB 16 18:57:43.4, 1.4, 48:33N, 0.2x154:3E, 0.2, h100km, Error
ellipse: s-maj=27.2km, s-min=7.8km, az=139.9
SKHL 16 18:57:45.2, 4.7, 48:32N, 154:15E, h9km, 4km, mb4.2/1,
ms, 8/1
KRSC 16 18:57:47.1, 10.0, 48:35N, 155:26E, h89km, 10km, ML4.0
MOS 16 18:57:47.1, 1.8, 48:35N, 155:26E, h89km, mb4.2/1, Error
ellipse: s-maj=99.9km, s-min=12.5km, az=77.0
ISC 16 18:57:43.6, 2.1, 48:22N, 0.2x154:5E, 0.2, h100km, n21,
c2548/26, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, SKR Severo-Kuril's, SKR Severo-Kuril's, etc.

JMA 16 19:02:54.0, 3.0, 1.23:53N, 121:57E, h32km, 2km
ISCJB 16 19:02:55.1, 0.3, 23:54N, 0.02:121:61E, 0.02, h29km, 2km,
Error ellipse: s-maj=3.1km, s-min=2.0km, az=137.8
TAP 16 19:02:55.1, 23:56N, 121:58E, h24km, ML3.3, C
ISC 16 19:02:55.3, 0.9, 23:54N, 0.02:121:59E, 0.02, h31km, 6km,
n56, c0878/110, 1D, Taiwan

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like TEGC Jichi Village, TEGC Jichi Village, EHY Hungye, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like CHN1, TWK, TWC, ENT1, etc.

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

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

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

ISCJB 16 19:14:36.9.0.8, 51.50N, 0.04.16.14E, 0.04, h0km, Error ellipse: s-maj=5.8km s-min=3.1km az=18.5

ISCJB 16 19:19:59.1.0.5, 16.72S, 0.09:173.7W, 0.1, h10km, mb4.5/15, MS3.6/5, Error Ellipse: s-maj=19.8km

ISCJB 16 19:37:06.4.46.0, 17.52S, 174.63W, h0km, mb4.0/3, mb1.4/2.3, mb1mx3.6/3.4, mbtmp4.0/3, Error ellipse: s-maj=88.0km s-min=166.1km az=80.0, Tonga Islands

ISC 16:19:39:50.4:1.0,39.66N,0.0:05:143.42E,0.0:05,h31km,6km, n211,c1s40/220,mb4.7/78,MS3.9/28,10C-9D,Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like Tanohata, Miyakonagasawa, Nango, Ohasama, Ichinoseki, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like HHC, TPUB, WHN, WHN, WHN, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like DMN, DANN, BVA0, BVA0, BRVK, BRVK, etc.





16d 20h

Table with columns: Station Name, Frequency, Mode, Band, Power, and other technical details. Includes stations like Neokhori, Chios island, Edincik, etc.

2011 NOV

Table with columns: Station Name, Frequency, Mode, Band, Power, and other technical details. Includes stations like SMG, AML, AML, etc.

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Table with columns: Station Name, Frequency, Mode, Band, Power, and other technical details. Includes stations like BZS, TEKS, BRTR, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like VANB Van, TVAN Van, VMUR Van-Muradiye, etc.

ISK 16 20:28:43.5, 38:56N:43:50E, h20km, MD2.4, Error ellipse: s-maj=13.3km s-min=7.2km az=121.0

DDA 16 20:28:45.3, 38:56N:43:43E, h7km, MD2.5, Error ellipse: s-maj=7.0km s-min=4.6km az=119.0

ISC 16 20:28:45.1, 0.3, 38:57N:0.03:43:46E, 0.05, h19km, 2km, n16, c1901/24, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like VANB Van, TVAN Van, VMUR Van-Muradiye, etc.

IDC 16 20:34:13.1, 5.8, 24:22S:179:85E, h506km, 34km, mb3.1/6, mb1 3.3/8, mb1mx3.2/24, mbtmp4.2/8, Error ellipse: s-maj=18.5km s-min=18.5km az=45.0

ISC 16 20:34:15.3, 2.2, 24:35S:179:8E, 0.3, h526km, n10, c1907/12, mb3.6/7, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like DZM Mont Dzumac, URZ Urewera, CTA Charters Tower, etc.

CSEM 16 20:52:27.9, 0.3, 38:70N:43:50E, h15km, MD2.7, Error ellipse: s-maj=8.0km s-min=4.6km az=119.0

DDA 16 20:52:27.3, 38:65N:43:62E, h7km, MD2.7, Error ellipse: s-maj=7.0km s-min=4.6km az=119.0

ISC 16 20:52:28.3, 1.1, 38:71N:0.03:43:50E, 0.06, h14km, 8km, n18, c0571/29, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like VANB Van, TVAN Van, VMUR Van-Muradiye, etc.

CSEM 16 21:05:06.7, 0.3, 38:85N:43:56E, h10km, ML2.9, Error ellipse: s-maj=6.8km s-min=4.6km az=107.0

DDA 16 21:05:06.3, 38:84N:43:52E, h5km, MD3.0, Error ellipse: s-maj=7.5km s-min=5.1km az=0.6

ISC 16 21:05:06.9, 0.9, 38:83N:0.02:43:57E, 0.03, h13km, 7km, n26, c079/38, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like VMUR Van-Muradiye, TVAN Van, VMUR Van-Muradiye, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like ADCV BITLIS\_Adilcev, TUTA Tutak, AGRB Hanur-Agry, etc.

SKHL 16 21:10:54.0, 0.4, 44:34N:147:99E, h60km, 4km, mb4.5/3, JMA 16 21:10:54.1, 0.4, 44:26N:147:79E, h75km, M3.7

ISC 16 21:10:51.6, 2.9, 44:26N:0.10:148:1E, 0.2, h74km, 21km, n15, c111/22, 2, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like SHO Shikotan, KUR Kuril'sk, YUK Yuzh-Kuril'sk, etc.

NEM2 Nemuro 2, 1.89 243 P Pn 21 11 22.7 +0.9

JRA Rausu 2.13 262 eS Sn 21 11 49.7 -0.9

JNK Nakash 2.50 256 eS Sn 21 11 58.7 -0.8

JAK Akkeshi 2.74 244 P Pn 21 11 34.0 +0.7

JTR Abashiri-Toko 3.00 266 P Pn 21 11 36.5 -0.2

JAR Ushirobuto 3.25 254 eS Sn 21 11 17.9 +0.3

JCH Churui 3.79 246 P Pn 21 11 48.5 +1.0

JJK2 Kamakawa 2 3.84 265 P Pn 21 11 48.8 +0.4

JNB Kurakawa-nobuka 4.34 246 P Pn 21 11 55.8 +0.7

YSS Yuzh-Sakhalins 4.59 308 eP Pn 21 12 00.8 +2.4

JKB Kabate 5.66 248 P Pn 21 12 13.2 +0.2

JOT Ohta 5.90 243 P Pn 21 12 15.6 -0.7

ISC 16 21:17:15.1, 2.0, 2:38N:128:47E, h0km, mb3.4/4, mb1 3.6/4, mb1mx3.4/37, mbtmp3.5/4, Error ellipse: s-maj=11.8km s-min=22.9km az=71.0, Halmahera

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

SOME 16 21:19:30.1, 42:97N:83:98E, h5km, NNC 16 21:19:43.1, 8.8, 42:68N:83:37E, h13km, 37km, mb3.1, mpv2.7, Error ellipse: s-maj=61.8km s-min=19.8km az=143.0

ISC 16 21:19:42.7, 2.9, 42:7N:0.1:83:4E, 0.1, h10km, n8, c39/10, 4C-30, Northern Xinjiang

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like SHLS Shalkode, PDKG Podgornoye, DJR Jarkent, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like CLDR Caldiran, ADCV BITLIS\_Adilcev, GEVA Gevas, etc.

CSEM 16 21:33:04.6, 0.2, 38:74N:43:69E, h2km, MD2.9, Error ellipse: s-maj=5.2km s-min=3.5km az=100.0

DDA 16 21:33:04.1, 38:73N:43:71E, h7km, MD2.9, Error ellipse: s-maj=7.0km s-min=4.2km az=17.9

ISC 16 21:33:05.2, 1.0, 38:74N:0.02:43:66E, 0.03, h13km, 9km, n38, c1901/55, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like VMUR Van-Muradiye, VANB Van, TVAN Van, etc.

IDC 16 21:33:45.0, 5.9, 17:13S:174:00W, h0km, mb3.9/3, mb1 4.2/4, mb1mx3.7/33, mbtmp3.9/4, ML4.2/1, MS3.0/2, MS1 3.0/2, ms1mx2.7/31, Error ellipse: s-maj=269.0km s-min=26.3km az=140.0, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like AFI Afiamalu, URZ Urewera, WRA Warramunga Arr, etc.

ISCJB 16 21:48:31.4, 0.4, 16:96S:0:04:69:56W, 0.05, h179km, 5km, mb3.8/7, Error ellipse: s-maj=7.8km s-min=6.6km az=19.4

DDA 16 21:48:32.5, 0.8, 16:95S:69:51W, h172km, 6km, mb3.6/8, mb1 3.8/12, mb1mx3.6/42, mbtmp4.2/12, Error ellipse: s-maj=13.1km s-min=11.4km az=95.0

GUC 16 21:48:34.5, 0.6, 17:49S:70:09W, h216km, 5km, ML4.3, Error ellipse: s-maj=13.1km s-min=11.4km az=95.0

ISC 16 21:48:32.1, 0.7, 16:95S:0:05:69:56W, 0.06, h169km, 7km, n24, c1944/34, mb4.0/7, 1C-4D, Peru-Bolivia border

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like LPAZ La Paz, ARCH Arica, PB12 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PTGA Pitting, BDFB Brasilia, PLCA Paso Flores, etc.

ISK 16:21:54:27.7, 38:30N-43:47E, h5km, MD2.5
CSEM 16:21:54:28.3, 0.4, 38:32N-43:49E, h2km, ML2.5, Error
ellipse: s-maj=10.8km s-min=7.0km az=71.0

DDA 16:21:54:28.1, 38:31N-43:53E, h7km, ML2.5
ISC 16:21:54:28.6, 1.2, 38:36N-0:03-43:57E, h2km, 11km,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TVAN Van, VANB Van, GEVA Gevas, etc.

OTT 16:21:58:27.2, 0.6, 59:88N-57:20W, h18km, ML4.0/B,
LAlberaRADOR Sea Seismic Zone. 381km northeast from
Nutak, NI

ISC 16:21:58:23.7, 1.1, 59:91N-0:07-57:25W, h10km, n18,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KAJQ Kangiqsuajuq, NRS Kuujuaa, CDKN Chidiac Camp, etc.

CSEM 16:21:58:49.0, 0.3, 38:82N-44:70E, h2km, MD3.1, Error
ellipse: s-maj=8.0km s-min=5.8km az=11.0

TEH 16:21:58:49.3, 38:74N-44:66E, h8km, ML2.5
ISK 16:21:58:49.1, 38:78N-44:59E, h5km, MD3.1

DDA 16:21:58:52.1, 38:78N-44:59E, h7km, ML2.8
ISC 16:21:58:48.4, 1.4, 38:77N-0:03-44:64E, h0km, 12km,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CLDR Caldian, IMRD Marand, VMUR Van-Muradiye, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ADCV BITLIS Adilcev, AGRB Hanur-Agry, TUTA Tutak, etc.

MAN 16:22:04:17.1, 14:37N, 119:24E, h43km, mb4.5, ML3.4, MS3.3
IDC 16:22:04:17.6, 1.9, 13:88N, 119:29E, h0km, km3, 7.0,
mb1.4/0.3, mb1mx3/5.36, mbtmp3/7.3, Error ellipse:

s-maj=38.2km s-min=23.3km az=174.0
ISC 16:22:04:15.7, 2.1, 14:32N-0:04-119:18E, h8km, 13km,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LUBP Lubang, SCZP Santa Cruz, TGy Tagaytay City, etc.

CSEM 16:22:05:30.7, 0.2, 38:89N-43:59E, h10km, ML3.0, Error
ellipse: s-maj=5.4km s-min=3.6km az=107.0

ISK 16:22:05:30.4, 38:89N-43:60E, h6km, MD2.8
DDA 16:22:05:30.2, 38:88N-43:62E, h10km, ML3.0,

ISCJVB 16:22:05:31.1, 0.5, 38:90N-0:03-43:60E, h2km, 3km,
Error ellipse: s-maj=6.5km s-min=4.1km az=18.7

ISC 16:22:05:30.7, 0.9, 38:89N-0:02-43:61E, h0km, 6km,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VMUR Van-Muradiye, ERVC ERVCIS-VAN, VANB Van, etc.

NERS 16:22:05:48.8, 65:35N, 146:14E, h2km
ISCJVB 16:22:05:51.9, 0.1, 65:25N-0:02-146:08E, h0km, 14km,

mb5.1/392, MS4.7/72, Error ellipse: s-maj=2.3km
s-min=1.6km az=155.0

MOS 16:22:05:51.3, 1.0, 65:20N-146:03E, h10km, mb5.3/108,

MS4.6/33, Error ellipse: s-maj=8.5km s-min=3.9km
az=93.1

IDC 16:22:05:51.1, 0.3, 65:18N-146:14E, h0km, mb4.8/30,

mb1.4/9.35, mb1mx4.9/42, mbtmp4.8/35, ML4.0/4, MS4.3/29,

MS1.4/3.29, ms1mx3.2/37, Error ellipse: s-maj=8.9km
s-min=8.8km az=34.0

BUI 16:22:05:52.9, 65:13N-145:39E, h5km, mb5.0/61, mB5.3/53,

MS5.6/71, MS7.5/65
NEIC 16:22:05:53.1, 0.1, 65:22N-145:88E, h10km, mb5.2/282,

Error ellipse: s-maj=3.1km s-min=2.1km az=164.0
GCMT 16:22:05:53.1, 0.1, 65:21N-146:30E, h12km, MW5.1/119,

Moment Tensor Solution. s68, c100; s119, c192;
Duration: 0 Moment tensor: Scale 10^19Nm; Mr5.31±.14;

Mw-1.02±.26; Best double couple: Ms-9.7700±.1016

NF1=182.000000; s5.000000; A.80.000000; NF2=

q1.17.000000; s41.000000; A.102.000000; Principal axes: T

5.4620, Plg81.000000; Azm40.000000; N.1.0320, Plg8.000000;

Azm188.000000; P. -6.4910, Plg5.000000; Azm279.000000;

nsta1 refers to body waves, cutoff=40s. nsta2 refers to
surface waves, cutoff=50s.
YARS 16:22:05:53.0, 0.4, 65:28N-0:02-146:22E, h0km, 14km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like UNR Ust'-Nera, UNRS Susuman, SUUS 480nm.0.3s, etc.

SEY Seymchan 3.56 126 eP Pn 22 06 55.5 -0.5
SEY comp=E,49nm,0.3s,baz=312,slow=12,SNR=241

SEY comp=E,308nm,0.3s,baz=311,slow=16,SNR=128

SEY comp=E,861nm,0.3s,baz=24,slow=10,SNR=19

SEY comp=E,110nm,0.4s

SEY comp=E,3um,0.5s

SEY comp=E,6um,0.4s

SEY comp=E,3um,0.3s

OCHR Omchak 3.61 166 eP Pn 22 06 49.5 +0.4

OCHR comp=E,4um,0.4s

OCHR comp=E,6um,0.4s

OCHR comp=E,6um,0.3s

OCHR comp=E,17um,0.3s

OCHR comp=N,1um,0.3s

DEPR Deputatskiy 4.87 333 eS Sb 22 08 21.7 +4.9

TLAR Talaya 4.96 142 eP Pn 22 07 07.9 +0.3

TLAR comp=E,70nm,0.4s

TLAR comp=E,200nm,0.4s

TLAR comp=E,7um,0.8s

TLAR comp=E,740nm,0.3s

TLAR comp=Z,70nm,0.4s

BTGS Batagay 5.23 304 eS Sg 22 08 34.0 +6.5

MGD Magadan 1 5.57 155 eP Pn 22 07 17.2 +1.2

MGD comp=E,40nm,0.2s

MGD comp=E,2um,0.6s

MGD comp=E,4um,0.6s

MGD comp=N,4um,0.6s

OHTR Okhotsk 5.98 194 eS Sg 22 08 32.4 +2.4

OHTR comp=E,9um,0.6s

OKHR Okhotsk 5.98 194 eP Pn 22 07 21.1 +0.1

OKHR comp=E,280nm,0.5s

MA2 Magadan 6.03 157 P Pn 22 07 22.0 -0.2

MA2 comp=E,24nm,0.3s,baz=354,slow=13,SNR=24

MA2 comp=E,98nm,0.3s,baz=277,slow=20,SNR=14

MA2 Magadan 6.03 157 eP Pn 22 07 22.2 0.0

MA2 comp=E,30nm,0.3s

MA2 comp=E,2um,0.7s

MA2 Magadan 6.03 157 P Pn 22 07 22.0 -0.2

MA2 Magadan 6.03 157 eP Pn 22 07 22.2 0.0

MA2 comp=N,4um,1.0s

YAK Yakutsk 7.96 254 Pn 22 07 48.6 0.0

YAK comp=N,0.1nm,0.3s,baz=23,slow=15,SNR=39

YAK comp=N,0.2nm,0.3s,baz=23,slow=15,SNR=40

YAK comp=N,0.2nm,0.3s,baz=23,slow=20,SNR=3.9

YAK comp=Z,154nm,0.6s

YAK comp=E,36nm,0.6s

YAK comp=N,11nm,0.5s

YAK comp=N,314nm,0.7s

YAK comp=E,290nm,0.6s

YAK comp=N,15um,7.7s

YAK comp=E,10um,7.1s

YAK Yakutsk 7.96 254 eP Pn 22 07 49.8 +1.1

YAK Yakutsk 7.96 254 eS Sg 22 07 49.9 +0.3

YAK Yakutsk 7.96 254 eP Pn 22 07 49.7 +1.1

YAK Yakutsk 7.96 254 eS Sg 22 07 49.8 +1.1

YAK Yakutsk 7.96 254 eS Sg 22 07 49.9 +0.3

Bilibino 8.51 611 eS Sg 22 07 56.8 +0.6

BILL Billa 8.51 611 eS Sg 22 07 56.8 +0.6

TIXI Tiksi 9.05 323 Pn 22 08 03.7 +0.2





BSD	Bornholm Skovb	54.39 328	i P	P	22 15 18.2 -1.4
BSD	Bornholm Skovb	54.39 328	i P	P	22 15 18.2 -1.4
BSD	comp-Z,30nm,0.7s		pmax	pmax	
KMRM	Mail Ridge	54.41 70	eP	P	22 15 22.2 +2.1
WVOR	Wild Horse Val	54.50 65	eP	P	22 15 22.2 +1.4
WVOR	comp-Z,27nm,1.3s		pmax	pmax	
WVOR	Wild Horse Val	54.50 65	eP	P	22 15 22.2 +1.4
WDC	Whiskeytown Da	54.57 69	eP	P	22 15 21.8 +0.7
WDC	comp-Z,40nm,1.6s		pmax	pmax	
WDC	Whiskeytown Da	54.57 69	eP	P	22 15 21.8 +0.7
WDC	comp-Z,40nm,1.6s		pmax	pmax	
MCMT	McKenzie Canyo	54.60 59	eP	P	22 15 22.5 +0.9
AKASG	Malin Array Be	54.67 316	i P	P	22 15 20.4 -1.3
AKASG	comp-Z,11nm,0.6s,baz=29,slow=7.9,SNR=21		LR	LR	22 42 12.4
AKASG	Malin Array Be	54.67 316	i P	P	22 15 20.3 -1.4
AKASG	comp-Z,11nm,0.6s		pmax	pmax	
AKBB	Malin Array Si	54.67 316	eP	P	22 15 20.2 -1.5
AKBB	comp-Z,11nm,0.8s		pmax	pmax	
AKBB	Malin Array Si	54.67 316	eP	P	22 15 20.2 -1.5
AKBB	comp-Z,11nm,0.8s		pmax	pmax	
KIEV	Kiev	54.68 316	i P	P	22 15 21.2 -0.6
KIEV	comp-Z,12nm,0.8s		pmax	pmax	
KIEV	Kiev	54.68 316	eP	P	22 15 20.0 -1.8
KIEV	comp-Z,11nm,0.8s		pmax	pmax	
CMAI	Chiangmai2	54.70 238	P	P	22 15 22.7 +0.2
AK11	Malin Array Si	54.71 316	eP	P	22 15 20.2 -1.7
MFID	Camas Ranch	54.72 62	eP	P	22 15 22.4 +0.1
MFID	comp-Z,12nm,1.1s		pmax	pmax	
GCMT	Greycliff	54.90 56	eP	P	22 15 24.6 +0.9
O03D	Paynes Creek	55.10 69	eP	P	22 15 25.7 +0.6
O03D	baz=329,SNR=5.9				
QLMT	Earthquake Lak	55.11 58	eP	P	22 15 25.2 -0.1
GOF	Goftskoye	55.12 303	i P	P	22 15 25.8 +0.8
GOF	comp-Z,39nm,0.7s		pmax	pmax	
HLID	Hailey	55.12 61	P	P	22 15 25.1 -0.2
HLID	baz=330,SNR=10				
HLID	Hailey	55.12 61	eP	P	22 15 26.4 +1.1
HLID	comp-Z,17nm,1.3s		pmax	pmax	
HLID	Horse Butte	55.26 58	eP	P	22 17 25.4 -2.7
HLID	comp-Z,10.0nm,1.0s		pmax	pmax	
MAK	Makhachkala	55.30 298	eP	P	22 15 23.4 -2.9
MAK	comp-Z,7.95nm,14.0s		pmax	pmax	
MAK	Makhachkala	55.30 298	eP	P	22 17 27.5
MAK	comp-Z,7.95nm,14.0s		pmax	pmax	
MAK	Makhachkala	55.30 298	eP	P	22 26 54.2 +0.6
MAK	comp-Z,114nm,1.1s		MLR	MLR	
LAO	LASA Array	55.30 53	P	P	22 15 27.3 +0.8
LAO	baz=331				
LAO	LASA Array	55.30 53	eP	P	22 15 29.0 +2.6
LAO	comp-Z,26nm,1.0s		pmax	pmax	
YHH	Holmes Hill	55.35 57	eP	P	22 15 27.8 +0.7
YHH	comp-Z,10nm,0.9s		pmax	pmax	
PANO	Nakornpanom	55.39 230	P	P	22 15 33.3 +6.1
ULM	Lac du Bonnet	55.41 43	P	P	22 15 25.1 -1.9
ULM	comp-Z,4.8nm,0.7s,baz=326,slow=7.2,SNR=5.6		LR	LR	22 41 40.7
YMR	Madison River	55.41 58	eP	P	22 15 29.6 +2.2
YMR	comp-Z,25nm,1.3s		pmax	pmax	
YNR	Norris Junction	55.48 57	eP	P	22 15 30.1 +2.1
YNR	comp-Z,58nm,1.8s		pmax	pmax	
YNR	Alibeck	55.48 286	eP	P	22 16 24.1 -3.9
YNR	comp-Z,16nm,0.7s,baz=0.0,slow=5.9,SNR=38		pmax	pmax	
GEYT	Alibeck	55.48 286	eP	P	22 15 27.8 0.0
GEYT	comp-Z,520nm,18.9s,baz=40,slow=38		LR	LR	22 41 17.2
GKP	Gorka Klasztor	55.55 325	eP	P	22 15 27.8 -0.2
GKP	comp-Z,25nm,1.3s		pmax	pmax	
GKP	Gorka Klasztor	55.55 325	eP	P	22 15 27.8 -0.2
GKP	comp-Z,25nm,1.3s		pmax	pmax	
RLMT	Red Lodge	55.62 56	P	P	22 15 29.5 +0.5
RLMT	baz=330,SNR=14				
RLMT	Red Lodge	55.62 56	eP	P	22 15 30.1 +1.2
RLMT	comp-Z,21nm,0.9s		pmax	pmax	
RLMT	Old Faithful	55.65 58	eP	P	22 17 31.2 -1.4
RLMT	comp-Z,18nm,0.9s		pmax	pmax	
SKNT	Sakolnakorn	55.76 231	P	P	22 15 34.7 +4.8
SKNT	comp-Z,52nm,1.1s		pmax	pmax	
CHTO	Chiang Mai	55.77 237	P	P	22 15 29.8 -0.2
CHTO	comp-Z,89nm,2.1s		pmax	pmax	
CHTO	Chiang Mai	55.77 237	eP	P	22 15 29.7 -0.2
CHTO	comp-Z,28nm,1.5s		pmax	pmax	
CHTO	Chiang Mai	55.77 237	eP	P	22 15 29.7 -0.3
CHTO	comp-Z,28nm,1.5s		pmax	pmax	
CHTO	Chiang Mai	55.77 237	eP	P	22 16 26.2 -2.9
CHTO	SNR=9				
CHTO	Chiang Mai	55.77 237	P	P	22 15 29.5 -0.5
CHTO	comp-Z,17nm,1.6s		pmax	pmax	
H17A	Grant Village	55.79 58	P	P	22 15 30.9 +0.7
H17A	baz=330				
H17A	Grant Village	55.79 58	eP	P	22 15 31.4 +1.2
H17A	comp-Z,14nm,1.0s		pmax	pmax	
LAMP	Lampang	55.79 236	P	P	22 15 30.5 +0.3
LAMP	comp-Z,12nm,0.7s,comp-Z,107nm		pmax	pmax	
YPP	Pitchstone Pla	55.81 58	eP	P	22 15 32.5 +2.1
YPP	comp-Z,52nm,1.1s		pmax	pmax	
ORV	Oroville	55.86 69	eP	P	22 15 31.3 +0.9
ORV	comp-Z,17nm,1.6s		pmax	pmax	
ORV	Oroville	55.86 69	eP	P	22 15 31.3 +0.9
ORV	comp-Z,17nm,1.6s		pmax	pmax	
BEL	Belsk	55.98 322	eP	P	22 15 31.2 +0.1
BEL	comp-Z,1.9nm,0.5s		pmax	pmax	
BEL	Belsk	55.98 322	eP	P	22 15 31.2 +0.1
BEL	comp-Z,1.9nm,0.5s		pmax	pmax	
BEKR	Beckworth	56.04 68	eP	P	22 15 32.8 +0.9
BEKR	comp-Z,6.9nm,0.8s		pmax	pmax	
IMW	Indian Meadow	56.09 58	eP	P	22 15 34.5 +2.1
IMW	comp-Z,2.7nm,0.5s,baz=5.0,slow=8.0,SNR=17		pmax	pmax	
IMW	Chiang Mai Arr	56.10 237	eP	P	22 16 30.3 -0.1
CM31	Chiang Mai Arr	56.10 237	eP	P	22 15 31.4 -0.9
CMAR	Chiang Mai Arr	56.10 237	eP	P	22 15 32.5 +0.2
CMAR	comp-Z,2.7nm,0.5s,baz=5.0,slow=8.0,SNR=17		pmax	pmax	
CMAR	Chiang Mai Arr	56.10 237	eP	P	22 16 31.0 +0.7
CMAR	comp-Z,1.8nm,0.6s,baz=348,slow=4.2,SNR=4.0		LR	LR	22 40 00.2
CM01	Chiang Mai Arr	56.12 237	eP	P	22 15 31.6 -0.9
UTTA	Utтарidit	56.19 235	P	P	22 15 33.4 +0.4
UTTA	comp-Z,10nm,0.9s,comp-Z,96nm		pmax	pmax	
NCK	Nalchik	56.27 301	i P	P	22 15 34.3 +0.9
NCK	comp-Z,20nm,0.7s		pmax	pmax	
FXWY	Fox Creek	56.28 58	eP	P	22 15 35.0 +1.2
FXWY	comp-Z,23nm,1.9s		pmax	pmax	
MOOV	Moose Ponds	56.29 58	eP	P	22 15 35.1 +1.3
MOOV	comp-Z,13nm,1.2s		pmax	pmax	
KBZ	Khabaz	56.32 302	P	P	22 15 34.1 +0.5
KBZ	comp-Z,27nm,0.8s,baz=94,slow=2.7,SNR=49		LR	LR	22 41 41.5
KBZ	Rocking H Ranc	56.42 15	eP	P	22 15 33.8 -0.5
KBZ	baz=333,SNR=5.4				
TPAW	Teton Pass	56.44 58	eP	P	22 15 36.3 +1.4
TPAW	comp-Z,10.0nm,0.9s		pmax	pmax	
LOHW	Long Hollow	56.46 58	eP	P	22 15 37.1 +2.2
LOHW	comp-Z,92nm,2.0s		pmax	pmax	
B31A	Greenbush Farm	56.52 46	eP	P	22 15 34.9 -0.1
B31A	baz=333				
B31A	Snow King Moun	56.53 58	eP	P	22 15 36.3 +0.7
B31A	comp-Z,23nm,1.3s		pmax	pmax	
PAHR	Pah Rah Range	56.55 67	eP	P	22 15 34.7 -0.9
PAHR	comp-Z,22nm,1.3s		pmax	pmax	
PAHR	Forest Hills D	56.59 69	eP	P	22 17 42.1 +1.1
AFDM	Forest Hills D	56.59 69	eP	P	22 15 35.4 -0.3
AFDM	comp-Z,14nm,1.6s		pmax	pmax	
REDW	Red Top Meadow	56.59 58	eP	P	22 15 36.5 +0.6
REDW	comp-Z,39nm,1.9s		pmax	pmax	
A33A	Warroad	56.73 44	P	P	22 15 35.7 -0.8
A33A	baz=334				
KHON	Khomkaen	56.73 232	P	P	22 15 38.8 +1.9

SUKH	Sukhothai	56.76 236	P	P	22 15 37.7 +0.7
SUKH	comp-Z,10nm,0.5s		pmax	pmax	
BMM	Battle Mountai	56.76 65	eP	P	22 15 38.0 +0.9
BMM	comp-Z,5.7nm,1.4s,comp-Z,7.1nm		pmax	pmax	
BMM	Battle Mountai	56.76 65	eP	P	22 15 38.0 +0.9
BMM	comp-Z,12nm,1.3s		pmax	pmax	
ZKTA	Zakatala	56.77 298	P	P	22 15 34.7 -2.3
ZKTA	comp-Z,12nm,1.3s		pmax	pmax	
ZEI	Tsey	56.77 301	eP	P	22 15 36.6 -0.6
ZEI	comp-Z,8.0nm,0.6s		pmax	pmax	
NEY	Neytrino	56.80 302	eP	P	22 15 39.1 +1.8
NEY	comp-Z,2.0nm,0.7s		pmax	pmax	
GUDG	Gudauri	56.85 300	P	P	22 15 39.5 +1.8
B32A	Ashes, Strandg	56.88 45	P	P	22 15 36.5 -1.1
B32A	baz=334				
SEKA	Sheki	56.93 297	P	P	22 15 35.6 -2.5
SEKA	comp-Z,12nm,1.3s		pmax	pmax	
LVV	L'vov	56.94 319	eP	P	22 15 40.1 +2.1
LVV	comp-N,300nm,14.0s		MLR	MLR	22 23 34.7 +3.0
LVV	comp-Z,300nm,14.0s		MLR	MLR	
LVV	comp-Z,200nm,15.0s		MLR	MLR	
LVV	comp-E,23nm,1.3s		MLR	MLR	
PNTR	Pine Nut	57.00 68	eP	P	22 15 38.4 -0.5
PNTR	comp-E,93nm,2.0s		pmax	pmax	
C31A	Landman Farms	57.05 46	P	P	22 16 30.1 -3.9
C31A	baz=333				
ONI	Oni	57.11 301	P	P	22 15 40.7 +1.2
ONI	comp-Z,43nm,1.4s		pmax	pmax	
AGMN	Agassiz Nation	57.16 45	P	P	22 15 38.5 -1.1
AGMN	baz=334				
AGMN	Agassiz Nation	57.16 45	eP	P	22 15 39.5 -0.1
AGMN	comp-E,23nm,1.3s		pmax	pmax	
SORM	Sormog	57.22 315	i P	P	22 15 39.4 -0.6
YERR	Yerington	57.23 67	eP	P	22 15 41.7 +1.3
HVU	Hansel Valley	57.26 61	eP	P	22 15 41.9 +1.3
HVU	comp-Z,12nm,1.0s		pmax	pmax	
HVU	Hansel Valley	57.26 61	eP	P	22 15 41.9 +1.3
HVU	comp-Z,12nm,1.0s		pmax	pmax	
B33A	Robert and Kas	57.27 44	P	P	22 15 39.5 -0.8
B33A	comp-Z,39nm,1.2s		pmax	pmax	
ANN	Anapa	57.29 307	eP	P	22 15 36.2 -4.3
ANN	comp-Z,39nm,1.2s		pmax	pmax	
ANN	Anapa	57.29 307	eP	P	22 15 39.1 -1.2
ANN	comp-Z,39nm,1.2s		pmax	pmax	
ANN	Anapa	57.29 307	eP	P	22 23 31.2 -5.1
ANN	comp-E,509nm,15.0s		MLR	MLR	
ANN	comp-N,469nm,15.0s		MLR	MLR	
ANN	Anapa	57.29 307	eP	P	22 15 39.7 -1.2
ANN	comp-Z,464nm,15.0s		MLR	MLR	
B34A	Aery, Baudette	57.35 44	P	P	22 15 39.7 -1.2
B34A	baz=334				
MNGR	Mingshevir, A	57.35 297	P	P	22 15 38.8 -2.2
TBLG	Delisi	57.39 299	P	P	22 15 42.3 +1.0
TBLG	comp-Z,3.5nm,0.6s,baz=4.2,slow=2.3,SNR=31		LR	LR	22 41 45.6
CHAI	Chaiyaphum	57.42 233	P	P	22 15 41.7 0.0
CHAI	comp-Z,8.3nm,0.8s,comp-Z,96nm		pmax	pmax	
KWP	Kawira Pacla	57.48 320	eP	P	22 15 42.1 +0.4
KWP	comp-Z,8.3nm,0.8s,comp-Z,96nm		pmax	pmax	
BW06	Boulder Array	57.57 58	P	P	22 15 42.9 0.0
BW06	baz=331,SNR=12				
BW06	Boulder Array	57.57 58	eP	P	22 15 42.7 -0.2
BW06	comp-Z,8.9nm,0.9s		pmax	pmax	
BW06	Pinedale Array	57.57 58	eP	P	22 17 46.0 -4.0
PD31	Pinedale Array	57.57 58	eP	P	22 17 42.7 -0.2
PDAR	Pinedale Array	57.57 58	eP	P	22 15 43.2 +0.4
PDAR	comp-Z,3.5nm,0.6s,baz=4.2,slow=2.3,SNR=31		LR	LR	22 41 45.6
PDAR	Pinedale Array	57.57 58	eP	P	22 15 42.3 -0.6
PDAR	comp-Z,623nm,20.5s,baz=340,slow=37		LR	LR	22 41 45.6
PDAR	Pinedale Array	57.57 58	eP	P	22 16 34.4 -1.7
PDAR	comp-Z,3.5nm,0.6s,baz=4.2,slow=2.3,SNR=31		LR	LR	



DRWC	Darouich	64.82	303	eP	P	22 16 30.0	-1.9
N39A	Derby Farms, D	64.90	46	P	P	22 16 31.0	-1.2
	baz=337						
HYB	Hyderabad	64.93	257	i P	P	22 16 32.0	-0.7
SURT	Suratani	64.97	233	P	P	22 16 38.1	+5.2
	comp=Z,6.1nm,0.9s						
M41A	Milan	65.03	44	P	P	22 16 31.4	-1.7
	baz=337						
PDG	Podgorica	65.04	319	i P	P	22 16 32.8	-0.3
O37A	Wolven Farm, M	65.05	47	P	P	22 16 32.2	-1.1
	baz=336						
N40A	Mertquake, Sal	65.17	45	P	P	22 16 32.6	-1.4
	baz=337						
KSU1	Kansas State U	65.24	50	P	P	22 16 33.6	-0.9
	baz=336						
O38A	Galt	65.30	47	P	P	22 16 34.0	-0.8
	baz=337						
Q34A	Chapman	65.30	50	P	P	22 16 33.2	-1.7
	baz=336						
M43A	Waltham Townsh	65.43	43	P	P	22 16 34.2	-1.4
	baz=338						
O39A	Kirksville	65.46	46	P	P	22 16 34.1	-1.8
	baz=337						
P37A	Lathrop	65.52	48	P	P	22 16 35.3	-0.9
	baz=336						
N41A	Harden Midland	65.55	44	P	P	22 16 35.5	-1.0
	baz=337						
ANMO	Albuquerque	65.61	59	P	P	22 16 36.8	-0.4
	baz=334						
ANMO	Albuquerque	65.61	59	eP	P	22 16 37.7	+0.5
	comp=Z,1.1nm,1.4s				pmax		
ANMO	Albuquerque	65.61	59	eP	P	22 16 37.7	+0.5
	comp=Z,1.1nm,1.4s						
Q35A	Mercer Eighty,	65.65	49	P	P	22 16 36.3	-0.9
	baz=336						
BNI	Bardonecchia	65.66	330	eP	P	22 16 36.9	-0.4
	comp=Z,4.3nm,1.9s				pmax		
BNI	Bardonecchia	65.66	330	eP	P	22 16 36.9	-0.4
	comp=Z,4.3nm,1.9s						
N42A	Yates City	65.68	44	P	P	22 16 37.7	+0.5
	baz=338						
VLC	Villacollemand	65.68	327	eP	P	22 16 37.7	+0.5
	comp=Z,2.9nm,1.2s						
TRTT	Trang	65.72	232	P	P	22 16 42.6	+4.8
	comp=Z,2.0nm,1.2s						
P38A	Dawn	65.73	47	P	P	22 16 35.5	-2.2
	baz=337						
Q36A	Arnold C. Orve	65.74	49	P	P	22 16 39.0	+1.3
	baz=336						
R34A	Isabella, Hill	65.77	50	P	P	22 16 37.0	-0.8
	baz=336						
O40A	La Belle	65.78	45	P	P	22 16 35.8	-2.2
	baz=337,SNR=9.5						
LAZ	Ladron	65.85	60	eP	P	22 16 40.0	+1.3
MANT	Manisa	65.88	310	eP	P	22 16 36.4	-2.4
	comp=Z,7.1nm,1.3s						
214A	Organ Pipe Nat	65.89	66	P	P	22 16 38.8	-0.1
	baz=333,SNR=7.9						
M45A	Boilermakers S	65.96	41	P	P	22 16 38.4	-0.6
	baz=338						
LONY	Lake Ozonia	66.05	31	eP	P	22 16 40.1	+0.4
	comp=Z,1.9nm,1.1s						
FRNY	Flat Rock	66.06	30	eP	P	22 16 38.0	-1.6
	comp=Z,3.4nm,1.6s						
R35A	Emporia Municip	66.08	50	P	P	22 16 38.0	-2.0
	baz=336						
O41A	Passleys Farm,	66.09	45	P	P	22 16 36.3	-3.6
	baz=337						
P39B	Salisbury	66.10	46	P	P	22 16 38.2	-1.7
	baz=337						
LPM	Los Pinos Moun	66.12	60	eP	P	22 16 39.4	-1.0
Q37A	Longview Farm,	66.13	48	P	P	22 16 38.9	-1.3
	baz=336						
N44A	Piper City	66.26	42	P	P	22 16 40.1	-0.9
	baz=338						
BNM	Barren Site	66.26	60	eP	P	22 16 42.2	+0.7
P40A	Paris	66.28	46	P	P	22 16 39.1	-2.0
	baz=337,SNR=14						
R36A	Gordon, Harris	66.31	49	P	P	22 16 39.9	-1.4
	baz=336						
S34A	Willow Spring	66.35	51	P	P	22 16 40.9	-0.8
	baz=336						
TUC	Tucson	66.36	64	P	P	22 16 41.3	-0.5
	baz=334						
TUC	Tucson	66.36	64	eP	P	22 16 39.4	-2.5
	comp=Z,7.0nm,1.3s				pmax		
TUC	Tucson	66.36	64	eP	P	22 16 39.4	-2.5
	comp=Z,6.9nm,1.3s						
N45A	Kentland	66.38	42	P	P	22 16 41.2	-0.6
	baz=338						
BIDA	Albida	66.39	303	eP	P	22 16 41.5	-0.5
O43A	Sugar Creek Fa	66.39	43	P	P	22 16 41.2	-0.6
	baz=338						
Q39A	Willow Grove F	66.44	47	P	P	22 16 40.3	-1.9
	baz=337						
P41A	Barry, Barry	66.44	45	P	P	22 16 41.5	-0.7
	baz=337						
PKME	Peaks-Kenny Pk	66.50	26	eP	P	22 16 43.4	+0.9
	comp=Z,5.4nm,1.6s						
R37A	Teagarden Farm	66.53	49	P	P	22 16 41.4	-1.4
	baz=336						
N46A	Monticello	66.56	41	P	P	22 16 41.3	-1.6
	baz=339						
S35A	Otter Creek Ra	66.63	50	P	P	22 16 41.5	-1.9
	baz=336						
AQU	L'Aquila	66.65	324	eP	P	22 16 42.5	-1.1
	comp=Z,2.8nm,1.0s				pmax		
AQU	L'Aquila	66.65	324	eP	P	22 16 42.5	-1.1
	comp=Z,2.8nm,1.0s						
BANOM	Banah	66.70	281	P	P	22 16 43.2	-0.8
LMN	Caledonia Moun	66.72	23	eP	P	22 16 43.3	-0.6
	comp=Z,5.8nm,1.9s						
P42A	Winchester	66.73	45	P	P	22 16 42.3	-1.8
	baz=338						
O40A	Mansfield	66.76	43	P	P	22 16 43.0	-1.2
	baz=338						
Q40A	Laux Farm, Aux	66.76	46	P	P	22 16 42.0	-2.2
	baz=337,SNR=6.4						
HAWK	Hawek	66.80	302	eP	P	22 16 44.0	-0.7
S36A	Lake Cedric, C	66.83	49	P	P	22 16 43.7	-1.0
	baz=336						
O45A	Potomac	66.88	42	P	P	22 16 44.0	-1.0
	baz=338						
P43A	Skaggs, Pawnee	66.93	44	P	P	22 16 44.2	-1.1
	baz=338						
U32A	Winter Ranch,	66.93	53	P	P	22 16 44.2	-1.2
	baz=336						
R38A	Fenwick Farm,	66.94	48	P	P	22 16 43.9	-1.4
	baz=337						
SFIN	Lafayette	66.94	42	P	P	22 16 44.6	-0.7
	baz=339						
MDV	Middlebury	66.94	30	eP	P	22 16 44.3	-1.0
T34A	McClaskey Farm	66.95	51	P	P	22 16 43.3	-2.2
	baz=336						
LBNH	Lisbon	66.97	29	eP	P	22 16 43.1	-2.4
	comp=Z,1.3nm,1.0s				pmax		
LBNH	Lisbon	66.97	29	eP	P	22 16 43.1	-2.4
	comp=Z,1.2nm,1.0s						
S37A	Fort Scott	67.04	49	P	P	22 16 43.8	-2.3
	baz=337						
Q41A	Truxton	67.05	45	P	P	22 16 43.2	-2.9
	baz=338						
GGN	Saint George	67.09	25	eP	P	22 16 45.2	-1.0
	comp=Z,3.8nm,1.3s						
R39A	Chumby, Stover	67.09	47	P	P	22 16 44.3	-2.1
	baz=337,SNR=13						
MMNY	Mt. Morris Dam	67.10	34	eP	P	22 16 45.4	-1.0
SBUM	Sibu	67.13	217	eP	P	22 16 47.1	+0.3
	comp=Z,1.5nm,1.0s						
SBUM	Erie	67.18	36	eP	PP	22 19 14.6	0.0
	comp=Z,2.9nm,0.6s						
MARH	Ras Al Marh	67.22	302	eP	P	22 16 47.7	+0.1
T35A	Sooner Cattle	67.27	50	P	P	22 16 45.8	-1.7
	baz=336						
121A	Cookes Peak, D	67.28	62	P	P	22 16 48.4	+0.5
	baz=334						
Q42A	Golden Eagle	67.30	45	P	P	22 16 45.9	-1.8
	baz=338						
P44A	Sand Creek, Wi	67.35	43	P	P	22 16 46.4	-1.5
	baz=338						
R40A	Maddies Statio	67.35	47	P	P	22 16 45.7	-2.3
	baz=337,SNR=11						
AMTX	Amarillo	67.37	56	P	P	22 16 47.5	-0.8
	baz=335						
AMTX	Amarillo	67.37	56	eP	P	22 16 48.9	+0.6
	comp=Z,9.4nm,0.8s						
AMTX	Stockton	67.44	48	P	PP	22 19 13.7	-2.5
S38A	Stockton	67.44	48	P	P	22 16 46.5	-2.1
	baz=337						
CSS	Mathiasis	67.48	305	eP	P	22 16 48.9	0.0
	comp=Z,7.6nm,1.9s						
Q43A	New Douglas	67.52	44	P	P	22 16 47.3	-1.8
	baz=338						
S39A	Bolivar	67.57	48	P	P	22 16 47.0	-2.4
	baz=337,SNR=7.1						
ALLY	Alegheny Cole	67.58	36	eP	P	22 16 49.6	+0.1
	comp=Z,9.8nm,1.5s						
ALLY	Cheneyville 18	67.59	49	eP	PP	22 19 10.3	-7.4
T37A	Cheneyville 18	67.59	49	P	P	22 16 47.6	-1.9
	comp=Z,1.4nm,0.8s						
UOSS	Minazif	67.61	281	eP	P	22 16 47.8	-2.0
	comp=Z,1.4nm,0.8s						
P46A	Rosedale	67.61	42	P	P	22 16 47.4	-2.2
	baz=339						
U35A	Pawnee	67.69	51	P	P	22 16 49.8	-0.4
	baz=336						
HATD	Hatta, Dubai	67.74	281	i P	P	22 16 49.8	-0.8
	SNR=10.0						
HATD	Hatta, Dubai	67.74	281	P	P	22 16 46.8	-3.9
	SNR=10.0						
319A	Douglas	67.76	63	eP	P	22 16 50.7	-0.1
	comp=Z,1.6nm,1.0s						
KULM	Kulim	67.79	230	eP	P	22 16 50.1	-0.9
	comp=Z,4.0nm,1.7s						
NAZ	Nazwa, Dubai	67.79	281	P	P	22 16 50.3	-0.7
NAZ	Nazwa, Dubai	67.79	281	P	P	22 16 47.5	-3.4
	SNR=5.0						
R42A	Leoberring	67.81	45	P	P	22 16 49.7	-1.1
	baz=338						
MSTX	Muleshoe	67.81	57	P	P	22 16 51.1	-1.0
	baz=335						
MSTX	Muleshoe	67.81	57	eP	P	22 16 50.1	-1.0
	comp=Z						









Table with columns: Call Sign, Name, Frequency, Mode, Power, etc. Includes stations like OTVZ Oturere, TWVZ Taurewa, NGWZ Ngauruhoe, etc.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, etc. Includes stations like KHZX, LTZ Lake Taylor, OXZ Oxford, etc.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, etc. Includes stations like VMUR Van-Muradiye, BITLIS Adilcev, etc.

Main table containing station names, frequencies, and signal quality metrics. Includes columns for station name, frequency, and various signal quality indicators.

ATH 17 00:02:18.0, 38:18N-20:31E, h20km, 1km, ML3.0/5, Error ellipse: s-maj=2.8km s-min=1.0km az=67.0
CSEM 17 00:02:17.2, 0.3, 38:18N-20:22E, h2km, ML3.0, Error ellipse: s-maj=5.2km s-min=3.3km az=53.0
THE 17 00:02:18.7, 38:25N-20:30E, h1km, 1km, ML3.0/13, Error ellipse: s-maj=1.3km s-min=0.6km az=239.0
ISC 17 00:02:17.5, 1.4, 38:21N-0:03:20Z, 0.05, h7km, 9km, n65, 0:54/105, Greece
Code Station Name Az' Az" Phase ID Time Res



17d 1h

ASAR	ASAR Springs	41.88 267 P	P	00 38 34.6 +0.2
WRA	Warramunga Arr	42.86 273 P	P	00 38 42.2 -0.1
FINES	FINES Array B	144.63 339 PKP	PKPdf	00 50 12.0 -0.3
NOA	NORSAR Array B	148.47 350 PKPbc	PKPbc	00 50 22.5 -0.3
AKASG	Malin Array Be	150.47 322 PKPbc	PKPbc	00 50 28.3 +0.4
BRTR	Keskin Array B	151.47 298 PKPbc	PKPbc	00 50 30.7 -0.2
TORD	Torodi Arr. Be	162.88 144 PKPab	PKPab	00 51 30.0 0.0

ISN 17 00:31:20.8,3.6,31.47N,48.22E, h0km, ML3.1  
 CSEM 17 00:31:25.7,0.6,6.1,73N,48.22E, h10km, ML3.1, Error  
 ellipse: s-maj=16.1km s-min=8.4km az=13.0  
 TEH 17 00:31:25.9,31.49N,48.19E, h20km, ML3.1, Western

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time Res
IPIR	Pirpir	2.58 62	Op	h m s ISC	00 32 46.8
IPIR	comp=Z.684nm,0.3s		ePn	Pn	00 32 06.4 -0.5
KHMZ	Khomeyn	2.70 33	ePn	Pn	00 32 06.8 -1.5
IVIS	Veis	3.23 340	ePn	Pn	00 32 15.4 -0.2
IVIS	Veis	3.23 340	ePn	Pn	00 32 15.4 -0.2
IGAR	Gharneh	3.40 73	ePn	Pn	00 32 17.9 -0.1
IGAR	comp=Z.246nm,0.1s		eAMB	AMB	00 32 19.5
IKLH	Kolahrood	3.40 57	ePn	Pn	00 32 17.6 -0.4
IKLH	comp=Z.452nm,0.1s		eAMB	AMB	00 32 19.0
IKLH	Kolahrood	3.40 57	eSb	Sb	00 32 55.7 -2.2
IKLH	comp=Z.452nm,0.1s		eSb	Sb	00 32 17.6 -0.4
ASAO	Ashtian	3.42 26	ePn	Pn	00 32 55.7 -2.2
ASAO	Ashtian	3.42 26	ePn	Pn	00 32 16.8 -1.5
ASAO	Ashtian	3.42 26	eSb	Sb	00 33 06.6 -0.6
QAM	Ghamsar	3.56 50	ePn	Pn	00 32 20.1 -0.1
QAM	comp=Z.571nm,0.1s		eAMB	AMB	00 32 21.5
SNGE	Sanandaj	3.67 349	ePn	Pn	00 32 20.1 -1.6
SNGE	Sanandaj	3.67 349	eSb	Sb	00 33 13.9 -0.3
IZEF	Zefreh	3.78 67	ePn	Pn	00 32 22.9 +0.4
IZEF	comp=Z.107nm,0.1s		eAMB	AMB	00 32 23.8
IZEF	Zefreh	3.78 67	ePn	Pn	00 32 22.9 -0.4
NASN	Na'in	4.13 70	ePn	Pn	00 32 27.5 -0.6

NIC 17 00:37:33.4,0.2,36.47N,30.92E, h16km, ML3.4  
 ISCBJ 17 00:37:35.5,0.9,35.91N,0.04,30.84E,0.03, h2km, 7km,  
 Error ellipse: s-maj=6.7km s-min=3.5km az=32.9  
 ISK 17 00:37:36.3,35.95N,30.82E, h13km, MD3.4  
 DDA 17 00:37:36.1,35.84N,30.86E, h36km, ML3.3  
 CSEM 17 00:37:36.8,0.2,35.92N,0.04,30.84E, h10km, MD3.4, Error  
 ellipse: s-maj=6.4km s-min=3.5km az=27.0  
 ISC 17 00:37:36.1,1.3,35.93N,0.04,30.84E,0.03, h4km, 11km,  
 n91, c071/104, Eastern Mediterranean Sea

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time Res
ANTB	Antalya	0.98 351	Op	h m s ISC	00 38 03.9 -0.7
ANTB	Antalya	0.98 351	ePn	Pn	00 38 03.9 -0.7
ANTB	Antalya	0.98 351	eSb	Sb	00 38 09.1 +0.1
ANTB	Antalya	0.98 351	ePn	Pn	00 37 55.1 +0.1
AKAS	Kas	1.04 287	ePn	Pn	00 37 56.6 -0.2
AKAS	Kas	1.04 287	ePn	Pn	00 37 56.8 -0.0
AKAS	Kas	1.04 287	ePn	Pn	00 37 56.8 -0.0
ELL	Elmalı	1.11 318	ePn	Pn	00 37 57.5 +0.1
ELL	Elmalı	1.11 318	eSb	Sb	00 38 12.8 0.0
ELL	Elmalı	1.11 318	ePn	Pn	00 37 57.5 +0.1
ELL	Elmalı	1.11 318	eSb	Sb	00 38 12.8 0.0
KORT	Korkueli	1.14 340	ePn	Pn	00 37 58.0 0.0
KORT	Korkueli	1.14 340	eSb	Sb	00 38 14.4 -0.8
KORT	Korkueli	1.14 340	iP	Pn	00 37 58.9 -0.1
KORT	Korkueli	1.14 340	iS	Pn	00 38 16.0 +0.9
KORT	Korkueli	1.14 340	ePn	Pn	00 37 58.0 0.0
KORT	Korkueli	1.14 340	eSb	Sb	00 37 58.9 -0.1
KORT	Korkueli	1.14 340	eSb	Sb	00 38 14.4 -0.8
KORT	Korkueli	1.14 340	iS	Pn	00 38 16.0 +0.8
AKMC	Akamak	1.51 126	P	Pn	00 38 03.6 -0.4
AKMC	Akamak	1.51 126	P	Pn	00 38 03.6 -0.4
SUTC	Sutluce-Ispart	1.55 5 ePn	Pn	00 38 03.9 -0.7	
SUTC	Sutluce-Ispart	1.55 5 ePn	Pn	00 38 03.9 -0.7	
FETY	Fethiye	1.58 297 ePn	Pn	00 38 04.4 -0.6	
FETY	Fethiye	1.58 297 ePn	Pn	00 38 04.4 -0.6	
FETY	Fethiye	1.58 297 P	Pn	00 38 05.0 0.0	
FETY	Fethiye	1.58 297 P	Pn	00 38 05.0 0.0	
PAPH	Paphos	1.61 130 P	Pn	00 38 25.4 -0.5	
PAPH	Paphos	1.61 130 P	Pn	00 38 05.6 +0.3	
ALFC	Alefka	1.63 118 P	Pn	00 38 04.2 -1.4	
ALFC	Alefka	1.63 118 P	Pn	00 38 28.5 0.0	
ALFC	Alefka	1.63 118 P	Pn	00 38 04.2 -1.4	
ALFC	comp=Z.314		S	Sg	00 38 28.5 0.0
GLHS	Ghilar (BURDU)	1.63 319 ePn	Pn	00 38 04.9 -0.8	
GLHS	Ghilar (BURDU)	1.63 319 ePn	Pn	00 38 04.9 -0.8	
GOLH	Golhisar	1.66 322 iS	Pn	00 38 29.8 +0.2	
GOLH	Golhisar	1.66 322 P	Pn	00 38 07.3 -0.1	
GOLH	Golhisar	1.66 322 S	Pn	00 38 29.8 +0.2	
BOZY	Bozyazi-Mersin	1.74 83 ePn	Pn	00 38 07.2 +0.1	
BOZY	Bozyazi-Mersin	1.74 83 ePn	Pn	00 38 07.2 +0.1	
ERMEK	Ermenek	1.82 66 P	Pn	00 38 07.9 -0.5	
ERMEK	Ermenek	1.82 66 P	Pn	00 38 07.9 -0.5	
LEF	Lefka	1.86 115 P	Pn	00 38 07.0 -1.7	
TEKE	Tekeli-Mersin	1.86 83 ePn	Pn	00 38 08.7 0.0	
TEKE	Tekeli-Mersin	1.86 83 ePn	Pn	00 38 08.7 0.0	
BRDR	Burdur-Merkez	1.87 341 iS	Pn	00 38 10.3 -0.6	
BRDR	Burdur-Merkez	1.87 341 iS	Pn	00 38 10.3 -0.6	
BRDR	Burdur-Merkez	1.87 341 P	Pn	00 38 10.3 -0.6	
ISP	Isparta	1.91 353 ePn	Pn	00 38 08.8 -0.7	
ISP	Isparta	1.91 353 ePn	Pn	00 38 08.8 -0.7	
DALY	Dalyan (Mu'la)	1.97 297 ePn	Pn	00 38 10.1 -0.2	
DALY	Dalyan (Mu'la)	1.97 297 ePn	Pn	00 38 12.1 -0.1	
BERE	Bereket-Mersin	1.98 77 ePn	Pn	00 38 10.8 +0.3	
BERE	Bereket-Mersin	1.98 77 ePn	Pn	00 38 10.8 +0.3	
TURN	Turunc	2.04 298 iS	Pn	00 38 13.7 +0.1	
TURN	Turunc	2.04 298 iS	Pn	00 38 41.3 -0.2	
TURN	Turunc	2.04 298 P	Pn	00 38 13.7 +0.1	
BAGO	Egirdir- ISPA	2.06 359 iP	Pn	00 38 12.1 -0.3	
MAMC	Mammari	2.08 110 P	Pn	00 38 09.9 -1.9	
MAMC	Mammari	2.08 110 P	Pn	00 38 09.9 -1.9	
TAVA	DENIZLI Tavas	2.18 315 iP	Pn	00 38 13.4 +0.2	
TAVA	DENIZLI Tavas	2.18 315 iP	Pn	00 38 13.4 +0.2	
GULN	MERSIN Gulnar	2.21 83 iP	Pn	00 38 13.8 +0.3	
GULN	MERSIN Gulnar	2.21 83 iP	Pn	00 38 13.8 +0.3	
KMER	Konya-Merem	2.21 33 iP	Pn	00 38 13.9 +0.2	
KMER	Konya-Merem	2.21 33 P	Pn	00 38 13.9 +0.2	
DOGGA	KONYA Doganhisar	2.28 17 P	Pn	00 38 14.8 +0.2	
DOGGA	KONYA Doganhisar	2.28 17 P	Pn	00 38 14.8 +0.2	
KONT	Konya-Tatoy	2.36 31 ePn	Pn	00 38 15.8 +0.2	
KONT	Konya-Tatoy	2.36 31 iP	Pn	00 38 16.1 +0.5	
KONT	Konya-Tatoy	2.36 31 ePn	Pn	00 38 15.8 +0.2	
KZIL	AFYON Kiziroren	2.39 347 iP	Pn	00 38 16.2 0.0	
KZIL	AFYON Kiziroren	2.39 347 iP	Pn	00 38 16.2 0.0	
LADK	Ladik-KONYA	2.58 28 ePn	Pn	00 38 18.6 -0.1	
LADK	Ladik-KONYA	2.58 28 ePn	Pn	00 38 18.6 -0.1	
SHUT	Suhut-Afyon	2.63 355 ePn	Pn	00 38 19.3 -0.2	
SHUT	Suhut-Afyon	2.63 355 ePn	Pn	00 38 19.3 -0.2	
KHAL	Karahalli	2.67 337 iP	Pn	00 38 20.0 +0.1	
KHAL	Karahalli	2.67 337 iP	Pn	00 38 20.0 +0.1	
KDHN	Kadinhan	2.79 21 iP	Pn	00 38 21.3 -0.3	
KDHN	Kadinhan	2.79 21 P	Pn	00 38 21.3 -0.3	
KARP	Karpatos	3.01 264 ePn	Pn	00 38 25.5 +0.9	
KARP	Karpatos	3.01 264 ePn	Pn	00 38 25.5 +0.9	
KERG	Konya-Eregli	3.03 60 P	Pn	00 38 26.6 +1.6	
KERG	Konya-Eregli	3.03 60 P	Pn	00 38 26.6 +1.6	
BODT	Bodrum	3.06 293 ePn	Pn	00 38 25.3 +0.1	
BODT	Bodrum	3.06 293 ePn	Pn	00 38 25.3 +0.1	
KULA	Kula-Manisa	3.11 327 ePn	Pn	00 38 26.0 0.0	
KULA	Kula-Manisa	3.11 327 ePn	Pn	00 38 26.0 0.0	
GDZ	Geziz	3.34 342 iP	Pn	00 38 29.3 +0.1	

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GDZ	Geziz	3.34 342 P	Pn	00 38 29.3 +0.1
SIMA	Simav-Kutahya	3.48 335 ePn	Pn	00 38 31.2 +0.1
SIMA	Simav-Kutahya	3.48 335 ePn	Pn	00 38 31.2 +0.1
DEMI	Demirci	3.54 332 iP	Pn	00 38 32.4 +0.5
DEMI	Demirci	3.54 332 iP	Pn	00 38 32.4 +0.5
KKUL	Konya-Kulu	3.64 26 P	Pn	00 38 34.1 +0.1
KKUL	Konya-Kulu	3.64 26 P	Pn	00 38 34.1 +0.1
BBAL	Bala	4.04 26 iP	Pn	00 38 38.2 -0.6
BBAL	Bala	4.04 26 iP	Pn	00 38 38.2 -0.6
YAYL	Yayladag	4.28 87 iP	Pn	00 38 43.3 +1.3
YAYL	Yayladag	4.28 87 iP	Pn	00 38 43.3 +1.3
SAIM	Saim	4.67 62 P	Pn	00 38 50.1 +2.6
SAIM	ADANA	4.67 62 P	Pn	00 38 50.1 +2.6

ATA 17 00:51:18.6,0.4,38.68N,43.39E, h2km, 46km, MD2.9  
 ISK 17 00:51:20.6,38.72N,43.24E, h5km, MD3.0  
 CSEM 17 00:51:21.6,0.2,38.71N,43.17E, h2km, MD3.0, Error  
 ellipse: s-maj=4.3km s-min=4.0km az=107.0  
 DDA 17 00:51:21.4,38.67N,43.15E, h7km, MD3.0  
 ISC 17 00:51:22.3,0.9,38.71N,0.02,43.21E,0.03, h11km, 8km,  
 n42, c1523/53, Turkey

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time Res
VANB	Van	0.18 130	Op	h m s ISC	00 51 26.2 -0.1
VANB	Van	0.18 130	ePn	Pn	00 51 26.2 -0.1
VANB	Van	0.18 130	ePn	Pn	00 51 26.2 -0.1
VANB	Van	0.18 130	eSb	Sb	00 51 26.2 -0.1
TVAN	Van	0.24 140	iS	Pn	00 51 26.1 -1.3
TVAN	Van	0.24 140	iS	Pn	00 51 30.9 +0.1
TVAN	Van	0.24 140	iS	Pn	00 51 26.1 -1.3
TVAN	Van	0.24 140	iS	Pn	00 51 30.9 +0.1
ERCV	ERCVIS-VAN	0.32 18 ePn	Pn	00 51 28.7 -1.6	
ERCV	ERCVIS-VAN	0.32 18 ePn	Pn	00 51 28.7 -1.6	
ADCV	BITLIS Adilcev	0.39 284 iP	Pn	00 51 28.7 -1.4	
ADCV	BITLIS Adilcev	0.39 284 iP	Pn	00 51 28.7 -1.4	
VMUR	Van-Muradiye	0.40 46 iS	Pn	00 51 30.4 -1.1	
VMUR	Van-Muradiye	0.40 46 iS	Pn	00 51 38.6 +0.9	
VMUR	Van-Muradiye	0.40 46 iS	Pn	00 51 38.6 +0.9	
GEVA	Gevas	0.42 196 ePn	Pn	00 51 28.3 -2.3	
GEVA	Gevas	0.42 196 ePn	Pn	00 51 35.7 -0.4	
GEVA	Gevas	0.42 196 eSb	Sb	00 51 35.7 -0.4	
GEVA	Gevas	0.42 196 ePn	Pn	00 51 28.2 -2.3	
CLDR	Caldiran	0.70 52 ePn	Pn	00 51 44.5 -0.6	
CLDR	Caldiran	0.70 52 ePn	Pn	00 51 35.3 -1.4	
CLDR	Caldiran	0.70 52 ePn	Pn	00 51 44.5 -0.6	
CLDR	Caldiran	0.70 52 ePn	Pn	00 51 35.3 -1.4	
TUTA	Tutak	0.75 336 iP	Pn	00 51 35.8 -1.1	
TUTA	Tutak	0.75 336 iP	Pn	00 51 35.8 -1.1	
TUTA	Tutak	0.75 336 P	Pn	00 51 35.8 -1.1	
AGRB	Hanur-Agry	0.88 349 ePn	Pn	00 51 38.1 -1.2	
AGRB	Hanur-Agry	0.88 349 ePn	Pn	00 5	

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like TVAN, CLDR, BITLIS\_Adilcev, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like JAMA, MAGI, ASDO, etc.

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

ISK 17 01:55:11.3, 38.78N; 43.45E, h6km, MD2.8
ISCJB 17 01:55:12.4, 0.5, 38.78N; 0.02; 43.45E; 0.05; h14km, 5km,
Error ellipse: s-maj=7.0km s-min=4.2km az=179.9

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like COTA, IMBA, URCU, etc.

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

IDC 17 01:57:01.4, 0.4, 1.63S; 81.63W, h0km, mb5.3/25,
mb1 5.4/29, mb1mx5.3/33, mbtmp5.3/29, MS5.3/3, MS5.6/25,
MS1 5.6/25, ms1mx5.4/35, Error ellipse: s-maj=17.7km

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like POPC, PLMC, PAYG, etc.

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



SIV	comp=Z,20um,19.0s,baz=318,slow=41	LR	LR	02 13 54.0
SJG	San Juan 24.98 37 P	P		02 02 27.2 -0.2
SJG	comp=Z,313nm,0.9s,baz=224,slow=4.7,SNR=59	S	S	02 06 49.8 -0.6
SJG	comp=Z,2.8nm,0.2s,baz=3.5,slow=19,SNR=3.5	LR	LR	02 14 31.2
SJG	comp=Z,8um,18.2s,baz=193,slow=42	P		02 02 26.8 -0.6
SJG	San Juan 24.98 37 eP	P		02 02 27.0 -0.4
SJG	comp=Z,389nm,1.0s	eP		
SJG	Col San Antoni 25.19 38 eP	S	S	02 06 49.8 -0.6
HUMP	comp=Z,493nm,1.1s	P		02 02 28.8 -0.4
SVB	Belmont 25.19 53 PFAKE	LR	LR	02 02 40.0 +1.1
SVB	comp=Z,18um,18.0s	LR	LR	
SVB	Belmont 25.19 53 eP	P		02 02 25.2 -4.1
CBYP	Canovanas 25.28 37 eP	P		02 02 29.4 -0.8
GRTK	comp=Z,1um,1.1s	P		
GRTK	Grand Turk 25.32 24 eP	P		02 02 28.6 -1.8
GRTK	comp=Z,351nm,1.1s	LR	LR	
GRTK	comp=Z,10um,21.0s	LR	LR	
MTP	Monte Pirata 25.34 38 eP	P		02 02 30.3 -0.3
TLIG	comp=Z,895nm,1.4s	P		
TLIG	Tiapa 25.38 320 eP	P		02 02 32.3 +1.1
TLIG	comp=Z,298nm,1.2s	LR	LR	
CDVI	comp=Z,26um,18.0s	P		02 02 32.6 -0.1
CDVI	St. Croix 25.57 40 eP	P		
SLB	comp=Z,1um,1.1s	P		02 02 35.5 +1.7
LVIG	Laguna Verde 25.67 52 eP	P		02 02 34.1 -0.4
LVIG	comp=Z,142nm,1.1s	P		
BIM	Bigot 26.05 51 eP	P		02 02 35.3 -1.9
PDF	Fort de France 26.12 50 eP	P		02 02 36.5 -1.3
PDF	comp=Z,320nm,1.0s	P		
PDF	Fort de France 26.12 50 eP	P		02 02 36.0 -1.8
PDF	comp=Z,322nm,1.0s	P		
PDF	Fort de France 26.12 50 eP	P		02 02 35.8 -2.1
CXM	Morne Le Croix 26.15 50 eP	P		02 02 37.1 -1.2
BBL	Barber's Block 26.36 49 eP	P		02 02 37.7 -2.3
DLPL	La Plaine 26.41 49 eP	P		02 02 39.1 -1.3
TBG	Guadeloupe-3 26.44 48 eP	P		02 02 39.5 -1.1
SABA	Saba 26.48 43 eP	P		02 02 39.9 -1.2
SABA	comp=Z,357nm,1.1s	P		
BBGH	Gun Hill 26.49 55 PFAKE	LR	LR	02 02 50.0 +8.9
BBGH	comp=Z,28um,22.0s	LR	LR	
ABVI	Anegada Island 26.57 39 eP	P		02 02 40.0 -1.8
SEUS	St. Eustatius 26.57 43 eP	P		02 02 40.2 -1.6
SEUS	comp=Z,671nm,1.1s	P		
SEUS	St. Eustatius 26.57 43 eP	P		02 02 40.5 -1.8
MLYT	Lee's Yard 26.60 46 eP	P		02 02 41.8 -0.3
GDHS	Morne Mazeau, 26.62 47 eP	P		02 02 40.5 -1.8
GDHS	comp=Z,397nm,1.0s	P		
SKI	Saint Kitts 26.63 44 eP	P		02 02 41.4 -1.0
SKI	comp=Z,630nm,1.0s	P		
SKI	Saint Kitts 26.63 44 eP	P		02 02 40.7 -1.7
SKI	comp=Z,628nm,1.0s	P		
SKI	Saint Kitts 26.63 44 eP	P		02 02 39.7 -2.7
SMRT	St. Maarten 26.90 42 eP	P		02 02 42.5 -2.3
SMRT	comp=Z,310nm,1.1s	P		
SMRT	St. Maarten 26.90 42 eP	P		02 02 41.7 -3.1
BPA	Boggy Peak 27.06 46 eP	P		02 02 41.2 -5.0
UNM	Universidad Na 27.08 321 eP	P		02 02 45.6 -1.1
UNM	comp=Z,210nm,0.9s	P		
UNM	comp=Z,11um,18.0s	MLR	MLR	
UNM	Universidad Na 27.08 321 eP	P		02 02 45.6 -1.1
UNM	comp=Z,210nm,0.9s	MLR	MLR	
UNM	comp=Z,11um,18.0s	LR	LR	
H05N1	Guadeloupe/Mar 27.17 48 P	P		02 02 44.1 -3.1
ANWB	Willy Bob 27.52 45 eP	P		02 02 40.8 -2.3
ANWB	comp=Z,333nm,1.0s	LR	LR	
ANWB	comp=Z,8um,21.0s	LR	LR	
ANWB	Willy Bob 27.52 45 eP	P		02 02 48.2 -2.2
MOIG	Morelia 28.62 319 eP	P		02 03 01.7 +1.3
MOIG	comp=Z,205nm,1.3s	LR	LR	
MOIG	comp=Z,21um,20.0s	LR	LR	
LCO	Las Campanas 29.07 160 eP	P		02 03 02.9 -1.5
LCO	comp=Z,89nm,1.2s	LR	LR	
LCO	comp=Z,10um,20.0s	LR	LR	
DWPF	Disney Wildern 29.69 0 eP	P		02 03 10.0 +0.4
DWPF	comp=Z,78nm,0.8s	LR	LR	
DWPF	comp=Z,7um,21.0s	LR	LR	
LNIG	Linares 31.59 328 eP	P		02 03 26.3 -0.2
LNIG	comp=Z,54nm,1.3s	P		
ZAIG	Zacatecas 31.74 321 eP	P		02 03 29.5 +1.4
ZAIG	comp=Z,28nm,0.9s	LR	LR	
ZAIG	comp=Z,16um,21.0s	LR	LR	
646A	Port Sulphur 32.11 347 P	P		02 03 30.9 0.0
646A	baz=164	P		
645A	Chauvin 32.17 345 P	P		02 03 32.9 +1.5
035Z	Hargill 32.19 332 P	P		02 03 32.7 +1.0
ROC1	baz=148	P		
ROC1	Ei Roble 32.65 163 eP	P		02 03 35.5 -0.5
ROC1	comp=Z,153nm,1.3s	LR	LR	
936A	North Padre Is 32.66 334 P	P		02 03 36.7 +0.9
936A	baz=153	P		
545A	Edgard 32.71 346 P	P		02 03 36.9 +0.7
546A	Slidell 32.71 347 P	P		02 03 36.4 +0.2
546A	baz=165	P		
034A	White Castle 32.94 345 P	P		02 03 38.8 +0.7
034A	baz=162	P		
034A	Hebbronville 32.99 331 P	P		02 03 39.5 +0.8
448A	baz=147,SNR=28	P		
448A	Say Minette 33.02 350 P	P		02 03 39.8 +0.9
KVTX	Kingsville 33.03 333 eP	P		02 03 40.1 +1.1
KVTX	comp=Z,321nm,1.3s	LR	LR	
447A	Lucedale 33.03 349 P	P		02 03 39.4 +0.4
447A	baz=167	S	S	02 08 57.7 +1.0
TIGA	Tifton 33.05 357 P	P		02 03 40.4 +1.3
TIGA	baz=176	P		
TIGA	Tifton 33.05 357 eP	P		02 03 38.1 -1.0
TIGA	comp=Z,178nm,1.4s	LR	LR	
543A	St. Martinville 33.11 344 P	P		02 03 40.0 +0.3
543A	comp=Z,7um,22.0s	P		
BRAL	baz=161	eP		
BRAL	Brewton 33.13 352 eP	P		02 03 39.8 0.0
BRAL	comp=Z,240nm,1.0s	LR	LR	
446A	Poplarville 33.17 348 P	P		02 03 40.7 +0.5
446A	baz=166	P		
445A	Amite 33.33 346 P	P		02 03 42.3 +0.7
542A	Morse 33.34 343 P	P		02 03 42.7 +1.1
542A	baz=164	P		
444A	Pine Grove 33.41 346 P	P		02 03 43.1 +0.8
444A	baz=163	P		
348A	Jackson 33.50 350 P	P		02 03 42.7 -0.3
348A	baz=163,SNR=6.4	P		
347A	Saraland 33.60 349 P	P		02 03 43.3 -0.6
443A	Delano Plantat 33.73 344 P	P		02 03 44.9 -0.1
443A	baz=161	P		
346A	Big Creek Wild 33.77 348 P	P		02 03 45.7 +0.3
346A	baz=166	P		
345A	Thompson Farm, 33.81 347 P	P		02 03 46.2 +0.4
345A	baz=165	P		
CPUP	Villa Florida 33.86 138 P	P		02 03 45.5 -0.7
CPUP	comp=Z,21nm,1.1s,baz=323,slow=9.7,SNR=14	LR	LR	
CPUP	comp=Z,6um,18.4s,baz=314,slow=42	LR	LR	
CPUP	Villa Florida 33.86 138 eP	P		02 03 45.7 -0.6
442A	Mamou 33.86 343 P	P		02 03 47.0 +0.8

440A	Vidor 33.87 341 P	P		02 03 47.3 +1.1
440A	baz=157	P		
344A	Westbrook Farm 34.11 346 P	P		02 03 48.8 +0.4
344A	baz=164,SNR=12	P		
441A	DeRidder 34.12 342 P	P		02 03 48.4 -0.1
441A	baz=159	P		
248A	Dixon Mills 34.14 351 P	P		02 03 47.8 -0.8
248A	baz=169,SNR=9.9	P		
343A	Vidalia 34.17 345 P	P		02 03 49.2 +0.3
343A	baz=162	P		
247A	Quitman 34.25 350 P	P		02 03 49.3 -0.2
247A	baz=167,SNR=13	P		
HKT	Hockley 34.29 338 eP	P		02 03 50.3 +0.5
HKT	comp=Z,110nm,1.2s	P		
HKT	Hockley 34.29 338 eP	P		02 03 50.3 +0.5
HKT	comp=Z,114nm,1.3s	LR	LR	
246A	comp=Z,2um,22.0s	P		
246A	Jackson Lee, B 34.31 349 P	P		02 03 49.5 -0.5
246A	baz=166	P		
GO05	Hualala 34.32 166 eP	P		02 03 50.1 -0.1
GO05	comp=Z,80nm,1.0s	LR	LR	
GO05	comp=Z,5um,19.0s	LR	LR	
440A	Kirbyville 34.36 341 P	P		02 03 50.4 -0.1
440A	comp=Z,621nm,1.0s	P		
833A	Chaparral WMA, 34.39 332 P	P		02 03 51.0 +0.2
833A	baz=147,SNR=16	P		
342A	Flagon Creek P 34.45 344 P	P		02 03 51.3 0.0
342A	baz=161,SNR=9.8	P		
245A	Little AP, Sta 34.48 348 P	P		02 03 51.6 0.0
245A	baz=165	P		
RGRS	Roger Stewart 34.50 2 eP	P		02 03 51.9 +0.2
RGRS	comp=Z,621nm,1.0s	P		
341A	Kurthwood 34.66 343 P	P		02 03 52.7 -0.4
341A	baz=159,SNR=15	P		
244A	Avery, Jackson 34.67 347 P	P		02 03 53.1 -0.1
244A	baz=164,SNR=9.9	P		
439A	Cent Grove, B 34.67 340 P	P		02 03 53.5 +0.3
439A	baz=156	P		
NHSC	New Hope 34.70 2 eP	P		02 03 53.6 +0.2
NHSC	comp=Z,267nm,1.1s	LR	LR	
243A	Waterproof 34.71 345 P	P		02 03 53.6 +0.1
243A	comp=Z,8um,21.0s	LR	LR	
147A	Livingston 34.79 350 P	P		02 03 53.6 -0.6
147A	baz=162	P		
VBMS	Vicksburg 34.80 347 P	P		02 03 54.2 -0.1
VBMS	baz=164	P		
VBMS	Vicksburg 34.80 347 eP	P		02 03 54.2 -0.1
VBMS	comp=Z,621nm,1.4s	P		
438A	Sam Houston St 34.88 339 P	P		02 03 55.3 +0.3
438A	baz=155,SNR=12	P		
146A	Union 34.90 349 P	P		02 03 55.0 -0.2
146A	comp=Z,167,SNR=6.9	P		
LRAL	Lakeview Retre 34.95 352 eP	P		02 03 54.6 -1.1
LRAL	comp=Z,267nm,1.1s	P		
LRAL	comp=Z,5um,21.0s	LR	LR	
340A	Bronson 34.96 342 P	P		02 03 55.4 -0.3
340A	baz=168	P		
GOGA	Godfrey 35.01 357 eP	P		02 03 55.2 -0.9
GOGA	comp=Z,130nm,1.1s	P		
GOGA	Godfrey 35.01 357 eP	P		02 03 55.2 -0.9
GOGA	comp=Z,125nm,1.1s	LR	LR	
145A	Houston Retros 35.04 348 P	P		02 03 56.3 -0.1
145A	baz=165	P		
242A	Grayson 35.05 344 P	P		02 03 56.6 +0.1
242A	baz=161,SNR=13	P		
339A	Huntington 35.09 341 P	P		02 03 56.8 -0.1
339A	baz=162	P		
144A	Alexander Plac 35.17 347 P	P		02 03 57.6 +0.1
144A	baz=164	P		
437A	Phantom Ranch, 35.19 338 P	P		02 03 58.0 +0.3
437A	baz=154	P		
241A	Mo Tar, Goldon 35.23 343 P	P		02 03 57.8 -0.2
241A	baz=160	P		
H06E1	SOCORRO T-PHAS 35.24 307 P	T		02 03 58.1 -0.2

GNAR	Gosnell	baz=155,SNR=44 comp=Z,616nm,1.8s	38.31	349	eP	P	02	04	24.5	+0.3
V42A	Cord	baz=164,SNR=16	38.44	347	P	P	02	04	24.2	-1.1
W39A	Magazine	baz=160,SNR=26 baz=168	38.45	344	P	P	02	04	25.4	0.0
U45A	Rockin P Farm,	baz=168	38.47	351	P	P	02	04	24.0	-1.6
GLAT	Glass	comp=Z,234nm,1.1s	38.48	350	eP	P	02	04	25.2	-0.4
UTMT	University of	comp=Z,194nm,1.0s	38.48	351	P	P	02	04	25.5	-0.1
W38A	Poteau	baz=159,SNR=15	38.54	343	P	P	02	04	26.2	0.0
U44B	Burton Farm, H	baz=168	38.56	350	P	P	02	04	25.0	-1.2
V41A	Mountainview	baz=163,SNR=26	38.59	346	P	P	02	04	25.9	-0.8
X36A	Centrahoma	baz=156,SNR=16	38.66	340	P	P	02	04	26.8	-0.4
PVMO	Portageville	comp=Z,195nm,0.7s	38.69	350	eP	P	02	04	27.5	+0.1
X35A	Drake	baz=155,SNR=25	38.71	340	eP	P	02	04	27.3	-0.3
X35A	Drake	comp=Z,86nm,0.9s	38.71	340	eP	LR	02	04	27.6	0.0
X35A		comp=Z,5um,22.0s				LR				
V40A	Witts Springs	baz=162,SNR=15	38.77	346	P	P	02	04	27.5	-0.7
U44A	Portageville	baz=167	38.78	350	P	P	02	04	27.1	-1.0
U43A	Rector	baz=166	38.78	349	P	P	02	04	27.4	-0.7
BLA	Blacksburg	comp=Z,73nm,1.0s	38.78	2	eP	Pmax	02	04	26.6	-1.6
BLA		comp=Z,8um,22.0s				MLR				
BLA		comp=Z,73nm,1.0s	38.78	2	eP	P	02	04	26.6	-1.6
BLA		comp=Z,8um,22.0s				LR				
VWCC	Virginia Weste	baz=159,SNR=15	38.83	2	eP	Pn	02	04	28.3	-0.3
W37C	Quinton	baz=158,SNR=40	38.88	342	eP	P	02	06	02.3	+2.2
W37B	Quinton	comp=Z,189nm,1.1s	38.88	342	eP	P	02	04	29.1	0.0
W37B		comp=Z,4um,21.0s				LR				
U42A	Revendon	baz=164,SNR=24	38.93	348	P	P	02	04	28.3	-1.1
PARMO	Parma	comp=Z,332nm,1.2s	38.94	350	eP	P	02	04	29.7	+0.2
PARMO		comp=Z,100nm,1.0s				LR				
V39A	Pettigrew	baz=161,SNR=26	39.02	345	P	P	02	04	29.8	-0.5
U41A	Viola	baz=164,SNR=17	39.07	347	P	P	02	04	29.6	-1.0
W36A	Wetumka	baz=156,SNR=12	39.13	341	P	P	02	04	30.2	-1.0
W36A	Wetumka	comp=Z,140nm,1.3s	39.13	341	eP	P	02	04	31.1	-0.1
W36A		comp=Z,5um,21.0s				LR				
PBMO	Poplar Bluff	comp=Z,156nm,1.4s	39.18	349	eP	P	02	04	31.4	-0.1
PBMO		comp=Z,3um,20.0s				LR				
V38A	Canehill	baz=160,SNR=25	39.25	344	P	P	02	04	31.4	-0.7
U40A	Yellville	baz=160,SNR=25	39.31	346	P	P	02	04	32.2	-0.4
URVA	University of	baz=162,SNR=28	39.31	5	eP	P	02	04	32.1	-0.5
T44A	Benton	baz=167	39.33	350	P	P	02	04	31.6	-1.1
W35A	Tecumseh	baz=156,SNR=20	39.36	340	P	P	02	04	32.1	-0.9
W35A	Tecumseh	comp=Z,172nm,1.2s	39.36	340	eP	P	02	04	32.8	-0.3
W35A		comp=Z,4um,22.0s				LR				
T43A	Greenville	baz=166,SNR=22	39.45	349	P	P	02	04	32.7	-1.0
V37A	Hulbert	baz=158,SNR=27	39.48	343	P	P	02	04	33.6	-0.5
U39A	Green Forest	baz=161,SNR=25	39.49	345	P	P	02	04	33.6	-0.5
HHAR	Hobbs	comp=Z,116nm,1.0s	39.52	344	eP	P	02	04	34.1	-0.3
IP05	Hopewell Churc	comp=Z,4um,20.0s	39.55	5	eP	P	02	04	34.3	-0.3
T42A	Van Buren	baz=165,SNR=38	39.55	348	P	P	02	04	33.4	-1.2
IP07	Quail	comp=Z,84nm,1.2s	39.56	5	eP	P	02	04	33.7	-1.4
IP07		comp=Z,8um,20.0s				LR				
IP06	Yanceyville	comp=Z,79nm,1.1s	39.63	5	eP	P	02	04	34.8	-0.5
IP06		comp=Z,8um,21.0s				LR				
V36A	Jenks	baz=157,SNR=31	39.64	342	P	P	02	04	34.7	-0.6
V36A	Jenks	comp=Z,184nm,1.1s	39.64	342	eP	P	02	04	34.9	-0.4
V36A		comp=Z,6um,22.0s				LR				
IP01	Cuckoo	comp=Z,86nm,1.1s	39.66	5	eP	P	02	04	35.2	-0.3
IP01		comp=Z,8um,21.0s				LR				
SPB	Sao Paulo	comp=Z,223nm,1.2s	39.66	126	eP	P	02	04	34.8	-1.0
SPB		comp=Z,18um,20.0s				LR				
WMOK	Wichita Mounta	baz=152,SNR=16	39.67	338	P	P	02	04	35.2	-0.5
WMOK	Wichita Mounta	comp=Z,86nm,1.1s	39.67	338	eP	Pmax	02	04	34.8	-0.9
WMOK		comp=Z,2um,22.0s				MLR				
WMOK		comp=Z,86nm,1.1s	39.67	338	eP	P	02	04	34.8	-0.9
WMOK		comp=Z,153nm,0.9s				LR				
TUL1	Leonard	baz=157,SNR=33	39.71	342	P	P	02	04	35.5	-0.4
TUL1	Leonard	comp=Z,260nm,1.0s	39.71	342	eP	P	02	04	35.8	-0.2
TUL1		comp=Z,4um,21.0s				LR				
T41A	Mountain View	baz=164,SNR=22	39.71	347	P	P	02	04	35.1	-0.9
OK020	N3440 Road, Me	comp=Z,331nm,1.4s	39.71	340	eP	P	02	04	35.4	-0.6
OK020		comp=Z,3um,22.0s				LR				
IP03	Louisa	comp=Z,76nm,1.0s	39.72	5	eP	P	02	04	35.7	-0.3
IP03		comp=Z,8um,20.0s				LR				
SPRD	Spring Road, M	comp=Z,108nm,1.1s	39.73	5	eP	P	02	04	35.8	-0.3
SPRD		comp=Z,7um,19.0s				LR				
S45A	Carrier Mills	baz=169,SNR=8.2	39.74	351	P	P	02	04	34.0	-2.2
CVRD	Centerville Ro	comp=Z,106nm,1.0s	39.78	5	eP	P	02	04	36.4	-0.1
CVRD		comp=Z,7um,21.0s				LR				
IP04	Greensprings	comp=Z,59nm,1.0s	39.78	4	eP	P	02	04	36.0	-0.5
IP04		comp=Z,9um,20.0s				LR				
U38A	Gravette	baz=160,SNR=34	39.79	344	P	P	02	04	36.3	-0.3
PTRD	Partlow Road	comp=Z,106nm,0.9s	39.85	5	eP	P	02	04	36.8	-0.3
PTRD		comp=Z,6um,20.0s				LR				
S44A	Carbonate	baz=168,SNR=14	39.86	351	P	P	02	04	35.7	-1.5

SPFD	Spotsylvania F	comp=Z,510nm,2.0s	39.87	5	eP	P	02	04	36.9	-0.3
SPFD		comp=Z,5um,20.0s				LR				
S43A	Fulton Ridge,	baz=167	39.88	350	P	P	02	04	36.1	-1.3
USIN	University of	comp=Z,470nm,1.4s	39.90	353	eP	P	02	04	36.8	-0.6
USIN		comp=Z,7um,22.0s				LR				
V35A	Meyer Ranch, C	baz=156,SNR=16	39.91	341	P	P	02	04	36.7	-0.9
V35A	Meyer Ranch, C	comp=Z,290nm,1.2s	39.91	341	eP	P	02	04	36.9	-0.7
V35A		comp=Z,3um,20.0s				LR				
CBN	Corbin Frederi	comp=Z,82nm,1.0s	39.95	5	eP	P	02	04	37.6	-0.3
CBN		comp=Z,4um,19.0s				LR				
U37A	Salina	baz=159,SNR=20	39.96	343	P	P	02	04	37.8	-0.2
T40A	Mansfield	baz=163,SNR=38	39.98	347	P	P	02	04	37.6	-0.7
WCI	Wyandotte Cave	comp=Z,27nm,1.0s, baz=3.1, slow=9.7, SNR=29	40.00	354	eP	Pmax	02	04	37.1	-1.3
WCI		comp=Z,89nm,1.0s				Pmax				
WCI	Wyandotte Cave	comp=Z,89nm,1.0s	40.00	354	eP	P	02	04	37.1	-1.3
WCI		comp=Z,6um,18.0s				LR				
T39A	Cleves	baz=162,SNR=38	40.07	345	P	P	02	04	38.2	-0.7
PLCA	Paso Flores	comp=Z,27nm,1.0s, baz=3.1, slow=9.7, SNR=29	40.10	167	P	P	02	04	39.6	+0.4
PLCA	Paso Flores	comp=Z,260nm,1.3s	40.10	167	eP	Pmax	02	04	39.7	+0.4
PLCA	Paso Flores	comp=Z,258nm,1.3s	40.10	167	eP	Pmax	02	04	39.7	+0.4
U36A	Oologah	baz=158,SNR=17	40.13	342	P	P	02	04	39.3	-0.2
MNTX	Cornudas Mount	baz=141,SNR=196	40.14	328	P	P	02	04	39.4	-0.2
MNTX	Cornudas Mount	comp=Z,108nm,1.0s	40.14	328	eP	P	02	04	39.5	-0.2
MNTX		comp=Z,7um,20.0s				LR				
S42A	Caledonia	baz=163,SNR=17	40.21	349	P	P	02	04	38.6	-1.5
S41A	Jillico Farms,	baz=164,SNR=21	40.23	348	P	P	02	04	39.4	-0.9
T38A	Diamond	baz=160,SNR=27	40.32	344	P	P	02	04	40.6	-0.4
FVM	French Village	comp=Z,100nm,1.0s	40.35	349	eP	Pmax	02	04	40.5	-0.8
FVM	French Village	comp=Z,103nm,0.9s	40.35	349	eP	Pmax	02	04	40.5	-0.8
R44A	Waltonville	baz=168,SNR=8.5	40.38	351	P	P	02	04	39.8	-1.7
S40A	Lebanon	baz=163,SNR=38	40.41	347	P	P	02	04	41.2	-0.5
TRQA	Tonoloway	comp=Z,302nm,1.4s	40.42	156	eP	P	02	04	41.4	-0.4
TRQA		comp=Z,9um,20.0s				eP				
U35A	Pawnee	baz=156,SNR=28	40.43	341	P	P	02	04	41.5	-0.4
U35A	Pawnee	comp=Z,220nm,1.4s	40.43	341	eP	P	02	04	41.4	-0.6
U35A		comp=Z,2um,21.0s				LR				
R43A	Red Bud	baz=167,SNR=24	40.54	350	P	P</				

Table with columns: Call Sign, Frequency, Power, Mode, and other parameters. Includes stations like N40A Merguake, Sal; P34A Walnut Farm, R; O36A Bolckow; KSPA Keystone Colle; M43A Waltham Townsh; N39A Derby Farms, D; YLE Yale; M42A Sheffield; N38A Joes South For; CBKS Cedar Bluff; CBKS Cedar Bluff; M41A Milan; ERPA Erie; O35A Humboldt; N37A Lee Faris, Mou; M40A Post Highland; AAM Ann Arbor; AAM Ann Arbor; O34A Beatrice; N36A Muff Farm, Cia; T25A Trinidad; T25A Trinidad; M39A Webster; L44A Lake County Fo; O33A Hebron; L42A Oliver, Polo; HGTCO Madrid Canyon; MHTCO State Highway; L43A Garden Prairie; M38A Pleasantville; N35A Tabor; L41A Preston; M37A Trindle Farm; MMNY Mt. Morris Dam; BRYW Bryant College; L40A Anamosa; N34A Lincoln; BUF Buffalo; M36A Felix, Anita; QUA2 Belchertown; QUA2 Organ Pt; K43A Burlington; L39A Winton; N33A J Bar K, Exete; SCIA State Center; X18A Snowflake; X18A; K41A Shullsburg; M35A Neola; K42A Prairie Point; L38A Oak Wood Farm; TRY Troy; KSCO Kaye Shedlock; KSCO Kaye Shedlock; BCX Boston College; BCX Weston; WES Weston; WES Weston; HRV Adam Dzewonsk; HRV Adam Dzewonsk; L37A Phoenix Point; SDCO Great Sand Dun

Table with columns: Call Sign, Frequency, Power, Mode, and other parameters. Includes stations like SDCO Great Sand Dun; SDCO Colesburg; W18A Petrified Fore; W18A Petrified Fore; W18A Jewell Farm; W18A Jewell Farm; M34A Aspy Farms, Fr; K39A Oelwein; L36A Harm Buss Farm; K38A Parkersburg; J43A Natural Harves; M33A Taylor Creek F; J42A Columbus; L35A Bielow Farm, R; BGNE Belgrade; BGNE Belgrade; L34A Svendens Farm; ACCN Adirondack Com; J41A Loganville; X16A Lo Mia Camp, P; X16A; K37A Belmont; K36A Gilmore City; S22A 4UR Ranch, Cre; S22A 4UR Ranch, Cre; S22A; J40A Soldiers Grove; J39A Decorah; I13A Mohawk Valley; I13A; I43A Langefeld Bro; RCBR Riachulo; RCBR; I42A Draer Farm, D; J38A Wedel Dairy, R; Q24A Divide; Q24A Divide; Q24A; FFD Franklin Falls; FFD; K35A Storm Lake; L33A Hoskins; L32A Elgin; NCB Newcomb; CHRN Cochrane; HNH Hanover; HNH; MVCO Mesa Verde; MVCO Mesa Verde; K34A Le Mars; J37A Redenius Farm; Y14A Wickenburg; Y14A; I40A Norwalk; MDV Middlebury; MDV; I41A Arkdale; I39A Houston; K33A Hardington; J36A Seneca 1, Swea; WUAZ Wupatki; WUAZ Wupatki; WUAZ; H43A Windswept, Lux; OGNE Ogallala; OGNE Ogallala; OGNE; SADO Sadow; SADO; GLMI Grayling; GLMI; H42A Shiocton; J35A Milford; I38A Scanlan Farm; VT1 Waterbury; VT1; K32A Verdige; LONY Lake Ozonia; LONY; LBNH Lisbon

Table with columns: Call Sign, Frequency, Power, Mode, and other parameters. Includes stations like LBNH; LBNH Lisbon; LBNH; J34A George; GLA Glamis; GLA Glamis; GLA; H41A Junction City; I37A Lemond, Waseca; K31A O'Neill; ISCO Idaho Springs; ISCO Idaho Springs; ISCO; ISCO; PV01 Paradox Valley; H40A Chili; I36A Fitzsimmons Fa; SMC0 Snowmass; SMC0; Y12C Blythe; Y12C Blythe; Y12C; J33A Davis; I35A Creekview Farm; FRNY Flat Rock; FRNY; H39A Augusta; PV05 Paradox Valley; PDMC1 Parker Dam, Lak; G43A Wallace; G42A Mountain; H38A Maiden Rock; SW3E Sam W. Stewart; IKP In-Ko-Pah, Jac; H37A Dierke Farm, C; J32A Parkston; ECSD EROS Data Cent; ECSD EROS Data Cent; PV10 Paradox Valley; G41A Antigo; I34A Hadley; WVL Watervill; WVL; F45A CMU Biological; PV09 Paradox Valley; J31A Geddes; F46A Macinaw City C; H36A Jessenland, He; G40A Rib Lake; BC3 Big Chuckawall; W13A Hualapai Mount; W13A; U15A North Rim; U15A; I33A Coleman; MONP Monument Peak; IRM Iron Mountain; G38A Ridgeland; G39A Holcombe; BAR Barrett; BAR; F43A Flat Rock, Esc; F42A Maple Grove Fa; NEE2 Needles Airpor; F44A Big Bay de Noc; H35A Sunnyside Ranc; I32A Karley and Nic; F41A Three Lakes; SPMN Marine on St.; SPMN Marine on St.; N23A Red Feather L; N23A Red Feather L; N23A; H34A Spellman Lake; EMMW East Machias; EMMW; PHWY Pilot Hill; PHWY Pilot Hill; PHWY; G36A St. Michael; BELC Belle Mtn. Jos; E45A Wood Hills; 109C Camp Elliot, M; I31A Royce, Wessing; XPFO Pinyon Flats; XPFO; PFO Pinyon Flats O

PFO	baz=130,SNR=63	48.04 320	i P	P	02 05 43.9 +0.8
PFO	Pinyon Flats O	48.04 320	PFAKE	LR	02 06 00.0 +17
PFO	comp=Z,7um,20.0s				
F40A	Park Falls	48.04 352	P	P	02 05 41.3 -1.5
PKME	Peaks-Kenny Pk	48.09 12	eP	P	02 05 43.2 0.0
G35A	Watkins	48.12 348	P	P	02 05 42.3 -1.1
H33A	Prehn Over Nor	48.13 346	P	P	02 05 42.8 -0.7
H32A	Carlson Farm	48.14 345	P	P	02 05 42.7 -0.9
E43A	Lone Tree Farm	48.15 355	P	P	02 05 45.5 -1.1
F39A	Loretta	48.16 351	P	P	02 05 42.8 -0.8
LDFC	Landfair	48.16 323	eP	P	02 05 45.4 +1.3
LDFC	comp=Z,10um,18.0s				
KNB	Knab	48.18 326	eP	P	02 05 45.2 +0.9
KNB	comp=Z,130nm,1.4s				
KNB	Knab	48.18 326	eP	P	02 05 45.2 +0.9
KNB	comp=Z,131nm,1.4s				
TRQ	Mont Tremblant	48.18 7	eP	P	02 05 42.0 -1.9
PKCU	Pink Cliffs	48.21 327	PFAKE	LR	02 06 00.0 +15
PKCU	comp=Z,8um,18.0s				
MMU	Miners Mountai	48.23 329	eP	P	02 05 45.1 +0.4
O20A	White River Ci	48.23 333	eP	P	02 05 45.0 +0.4
O20A	White River Ci	48.23 333	eP	P	02 05 44.9 +0.4
O20A	comp=Z,118nm,1.3s				
O20A	comp=Z,7um,20.0s				
F37A	Hirrichs Farm,	48.25 350	P	P	02 05 43.4 -1.0
E42A	Champion	48.29 354	P	P	02 05 43.7 -1.0
GMRC	Granite Mounta	48.30 322	P	P	02 05 45.8 +0.7
F38A	Pierce - Schro	48.35 351	P	P	02 05 43.9 -1.2
G34A	Benson	48.40 347	P	P	02 05 44.2 -1.3
H31A	Wolsey	48.40 344	P	P	02 05 44.6 -1.0
LCMT	Little Creek M	48.41 326	PFAKE	LR	02 06 00.0 +14
LCMT	comp=Z,12um,18.0s				
GGN	Saint George	48.50 14	eP	P	02 05 46.4 +0.1
GGN	comp=Z,258nm,1.6s				
SUSD	Miller	48.50 344	P	P	02 05 45.4 -0.9
MURC	Murieta	48.50 320	P	P	02 05 47.3 +0.7
SRU	San Rafael Swe	48.52 330	eP	P	02 05 46.8 -0.1
SRU	comp=Z,8um,18.0s				
SRU	San Rafael Swe	48.52 330	eP	P	02 05 46.8 -0.1
SRU	comp=Z,8um,18.0s				
E40A	Wakefield	48.53 352	P	P	02 05 45.7 -0.8
G33A	Ortonville	48.54 346	P	P	02 05 45.5 -1.1
F36A	Milaca	48.55 349	P	P	02 05 44.5 -1.2
E39A	Mellen	48.55 352	P	P	02 05 44.5 -2.2
MTPU	Mount Pierson	48.58 328	eP	P	02 05 48.0 +0.4
MTPU	comp=Z,7um,18.0s				
BHU	Blowhard Mount	48.62 327	eP	P	02 05 48.9 +1.0
Q16A	Castle Valley	48.70 329	eP	P	02 05 48.6 +0.4
Q16A	comp=Z,12um,21.0s				
SZCU	Shurtz Canyon	48.75 327	eP	P	02 05 49.2 +0.6
HEC	Hector,Ludlow	48.75 322	P	P	02 05 49.6 +1.0
BBRC	Big Bear Solar	48.75 321	P	P	02 05 50.0 +1.2
F35A	Swanville	48.75 348	P	P	02 05 47.1 -1.2
P18A	Preston Nutter	48.78 331	eP	P	02 05 48.8 -0.2
P18A	comp=Z,5um,18.0s				
F34A	Alexandria	48.84 347	P	P	02 05 47.9 -1.0
G32A	Webster	48.86 345	P	P	02 05 48.1 -1.0
CCUT	Cedar City	48.87 326	eP	P	02 05 49.7 +0.1
CCUT	comp=Z,120nm,1.1s				
CCUT	comp=Z,11um,19.0s				
TUQ	Turquoise Moun	48.89 322	P	P	02 05 50.2 +0.5
P17A	Butcher Ranch,	48.91 330	eP	P	02 05 50.2 +0.4
P17A	comp=Z,8um,19.0s				
MSU	Marysvalle	48.92 328	eP	P	02 05 50.5 +0.5
MSU	Marysvalle	48.92 328	eP	P	02 05 50.5 +0.5
E38A	The Farm, Brul	48.93 351	P	P	02 05 48.8 -0.8
SC12	San Clemente I	49.01 318	P	P	02 05 51.0 +0.6
TMUT	Trail Mountain	49.01 330	eP	P	02 05 51.0 +0.3
TMUT	comp=Z,52nm,1.3s				
G31A	Conde	49.02 345	P	P	02 05 49.1 -1.2
E37A	Wrenshall	49.02 350	P	P	02 05 48.8 -1.5
RWWY	Rawlins	49.03 335	eP	P	02 05 51.0 +0.2
RWWY	comp=Z,93nm,0.9s				
ARGU	Argyle Ridge	49.08 331	eP	P	02 05 52.0 +0.7
F33A	5 Mile Ranch,	49.11 347	P	P	02 05 49.9 -1.1
E36A	McGregor	49.13 349	P	P	02 05 49.9 -1.2
TCRU	Three Creeks R	49.14 328	eP	P	02 05 52.0 +0.3
TCRU	comp=Z,8um,20.0s				
SGU	Sterling	49.15 329	eP	P	02 05 52.6 +0.9
SHPR	Sheep Range	49.16 324	eP	P	02 05 52.4 +0.6
SHPR	comp=Z,68nm,1.2s				
CIS	Catalina Islan	49.18 319	P	P	02 05 52.2 +0.4
RRX	Edison Barstow	49.19 321	P	P	02 05 52.8 +0.9
BFSC	Mount Baldy Ra	49.20 320	P	P	02 05 52.5 +0.4
WCU	Willow Creek	49.21 329	eP	P	02 05 53.0 +0.7
FMP	Fort Macarthur	49.29 319	P	P	02 05 53.2 +0.6
F32A	Veblen	49.34 346	P	P	02 05 51.4 -1.4
GSC	Goldstone, Bar	49.35 322	P	P	02 05 53.9 +0.7
GSC	Goldstone, Bar	49.35 322	eP	P	02 05 53.8 +0.7
GSC	comp=Z,100nm,1.1s				
GSC	Goldstone, Bar	49.35 322	eP	P	02 05 53.8 +0.7
GSC	comp=Z,103nm,1.1s				
E35A	Pequot Lakes	49.39 348	P	P	02 05 52.3 -0.8
SHOC	Shoshone, Teco	49.42 323	P	P	02 05 54.0 +0.4
MWC	Mount Wilson	49.45 320	eP	P	02 05 54.8 +0.7
MWC	comp=Z,120nm,1.4s				
MWC	Mount Wilson	49.45 320	eP	P	02 05 54.8 +0.7

E34A	Wadena	49.50 348	P	P	02 05 53.4 -0.6
PASC	Padadena Art C	49.50 320	eP	P	02 05 54.5 +0.2
K22A	Casper	49.54 336	P	P	02 05 54.3 -0.2
K22A	Casper	49.54 336	eP	P	02 05 54.5 -0.1
K22A	comp=Z,57nm,1.1s				
FLU	Fool Peak	49.56 329	eP	P	02 05 55.4 +0.6
D37A	Flu	49.60 350	P	P	02 05 53.6 -1.1
F31A	Hecla	49.62 345	P	P	02 05 53.3 -1.6
DECC	Green Verdugo	49.65 320	P	P	02 05 55.8 +0.4
E33A	Westby DABS, E	49.67 347	P	P	02 05 54.0 -1.3
PQI	Presque Isle	49.70 12	eP	P	02 05 55.3 -0.2
PQI	comp=Z,82nm,1.0s				
PQI	comp=Z,4um,19.0s				
LMN	Caledonia Moun	49.70 15	eP	P	02 05 55.2 -0.4
D36A	Goiland	49.75 350	P	P	02 05 54.0 -1.8
MPU	Maple Canyon	49.77 330	eP	P	02 05 56.6 +0.2
VLDQ	Val d'Or	49.80 4	eP	P	02 05 55.1 -1.0
VLDQ	comp=Z,42nm,1.1s				
D35A	Remer	49.82 349	P	P	02 05 54.9 -1.5
SNCC	San Nicolas Is	49.82 318	P	P	02 05 56.6 -0.1
SNCC	San Nicolas Is	49.82 318	eP	P	02 05 57.6 +0.9
SNCC	comp=Z,126nm,1.3s				
EDW2	Edwards Air Fo	49.83 320	P	P	02 05 57.2 +0.4
PSUT	Black Hills	49.84 327	eP	P	02 05 58.2 +1.2
RSSD	Black Hills	49.84 339	eP	P	02 05 57.1 +0.2
RSSD	Black Hills	49.84 339	eP	P	02 05 57.1 +0.2
RSSD	comp=Z,66nm,1.0s				
RSSD	Black Hills	49.84 339	eP	P	02 05 57.1 +0.2
RSSD	comp=Z,66nm,0.9s				
NLU	North Lily Min	49.95 329	eP	P	02 05 58.1 +0.3
NLU	comp=Z,2um,21.0s				
GO09	Cerro Castillo	49.98 172	eP	P	02 05 58.2 +0.7
E32A	Braaten, Kandr	50.01 346	P	P	02 05 56.4 -1.4
LRMC	Laurel Mtn Rad	50.01 321	P	P	02 05 58.7 +0.5
BLG	Laguna Peak, P	50.04 319	P	P	02 05 58.6 +0.2
D34A	Park Rapids	50.05 348	P	P	02 05 57.2 -1.0
HTU	Hoyt Peak	50.07 331	eP	P	02 05 59.2 +0.4
TPNV	Topopah Spring	50.10 324	eP	P	02 05 59.9 +1.0
TPNV	Topopah Spring	50.10 324	eP	P	02 05 59.8 +0.8
TPNV	Topopah Spring	50.10 324	eP	P	02 05 59.8 +0.8
TPNV	comp=Z,63nm,1.0s				
C37A	Embarrass	50.12 351	P	P	02 05 58.2 -0.4
JLU	Jordanelle	50.12 331	eP	P	02 05 59.5 +0.4
JLU	comp=Z,72nm,1.1s				
KLJ	Keely	50.12 331	eP	P	02 05 59.5 +0.4
OSI	Osito Audit: C	50.13 320	P	P	02 05 59.5 +0.5
OSI	Osito Audit: C	50.13 320	eP	P	02 06 00.1 +1.1
OSI	comp=Z,84nm,1.1s				
FURC	Furnace Creek,	50.15 323	P	P	02 05 59.6 +0.6
E31A	Nome	50.17 345	P	P	02 05 58.2 -0.9
EYMN	Ely	50.22 351	P	P	02 05 58.2 -1.3
EYMN	Ely	50.22 351	eP	P	02 05 59.1 -0.4
EYMN	comp=Z,45nm,1.2s				
D33A	AnnSam, Waubun	50.24 347	P	P	02 05 58.8 -0.8
C36A	Pin Crest Far	50.26 350	P	P	02 05 58.8 -0.9
GMU	Granite Mounta	50.26 330	eP	P	02 06 00.5 +0.4
MPMC	Manual Prospec	50.26 322	eP	P	02 06 00.6 +0.4
CTU	Caro Tracy	50.34 330	eP	P	02 06 01.2 +0.5
CTU	comp=Z,87nm,1.1s				
SCZ2	Santa Cruz Isl	50.34 318	P	P	02 06 01.0 +0.3
C35A	Jirik Farms, M	50.40 349	P	P	02 06 00.4 -0.4
FSU	Fish Springs	50.45 328	eP	P	02 06 02.4 +0.9
DAC	Darwin (Calif)	50.47 322	eP	P	02 06 02.0 +0.2
DAC	comp=Z,58nm,1.0s				
DAC	comp=Z,6um,18.0s				
DAC	Darwin (Calif)	50.47 322	eP	P	02 06 02.0 +0.2
DAC	comp=Z,58nm,1.0s				
TCUT	Tooe Canyon	50.50 331	eP	P	02 06 02.1 +0.2
TCUT	comp=Z,180nm,1.2s				
D32A	Dogwood Acres,	50.50 346	P	P	02 06 00.5 -1.1
DUG	Dugway, Tooele	50.50 329	P	P	02 06 02.3 +0.4
DUG	Dugway, Tooele	50.50 329	eP	P	02 06 02.3 +0.4
DUG	Dugway, Tooele	50.50 329	eP	P	02 06 02.3 +0.4
DUG	comp=Z,140nm,1.7s				
DUG	Dugway, Tooele	50.50 329	eP	P	02 06 02.3 +0.4
DUG	comp=Z,142nm,1.8s				
ARVC	Arvin	50.51 320	P	P	02 06 02.7 +0.8
C34A	RKJ Ranch, Bem	50.53 348	P	P	02 06 00.8 -1.0
D31A	McClaffin, Tow	50.59 346	P	P	02 06 01.4 -0.8
ISA	Isabella, Lake	50.62 321	P	P	02 06 03.6 +0.9
ISA	Isabella, Lake	50.62 321	eP	P	02 06 03.7 +0.9
ISA	Isabella, Lake	50.62 321	eP	P	02 06 03.7 +0.9
ISA	comp=Z,64nm,1.2s				
ISA	Isabella, Lake	50.62 321	eP	P	02 06 03.7 +0.9
ISA	comp=Z,64nm,1.3s				
SBC	Santa Barbara	50.67 319	P	P	02 06 02.9 -0.1
R11A	Troy Canyon, C	50.67 325	eP	P	02 06 04.0 +0.7
R11A	Troy Canyon, C	50.67 325	eP	P	02 06 04.0 +0.7
R11A	comp=Z,42nm,1.0s				
GRAC	Grapevine Rang	50.80 323	P	P	02 06 05.1 +1.0
MCU	Monte Cristo P	50.81 331	eP	P	02 06 04.3 0.0

C33A	Trail	50.81 348	P	P	02 06 03.2 -0.7
CWC	Cottonwood Cre	50.87 322	P	P	02 06 05.2 +0.4
BW06	Boulder Array	50.93 334	P	P	02 06 04.6 -0.6
BW06	Boulder Array	50.93 334	eP	P	02 06 04.5 -0.7
BW06	comp=Z,41nm,1.0s				
PD31	Pinedale Array	50.93 334	eP	P	02 06 04.5 -0.6
PDAR	Pinedale Array	50.93 334	eP	P	02 06 04.5 -0.6
PDAR	comp=Z,25nm,0.9s, baz=127,slow=6.6,SNR=130				
PDAR	comp=Z,7um,18.0s, baz=140,slow=37				
PDAR	Pinedale Array	50.93 334	eP	P	02 06 04.3 -0.8
HWUT	Hardware Ranch	50.95 331	eP	P	02 06 05.0 -0.3
HWUT	comp=Z,162nm,1.3s				
B35A	Bob, Littlefor	50.99 350	P	P	02 06 04.5 -0.7
PKM	McPherson Peak	51.00 319	P	P	02 06 06.2 +0.4
C32A	Crookston	51.04 347	P	P	02 06 04.8 -0.8
BMUT	Black Mountain	51.06 332	eP	P	02 06 05.8 -0.4
VES	Yes! Creek	51.12 321	P	P	02 0



Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like PNCL, DAWY, MESJ, PCVE, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like SML, PMR, HDA, BRLK, etc.

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







Table with columns: GYA, comp-Z, 130nm, 23.0s, LR, LR, etc. Includes stations like RPR, HYBB, HYB, LUWI, SRLM, NJS, KMI, etc.

Table with columns: MYLDM, Lahad Datu, 159.55 280, PFAKE, LR, etc. Includes stations like CNP, BESP, PVCP, etc.

Table with columns: ISK 17 02:03:37.5, 38°58'N-43°08'E, h8km, MD2.9, etc. Includes stations like VANB, TVAN, GEVA, etc.

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

Table with columns: ISK 17 02:12:55.2, 38°88'N-43°59'E, h5km, ML2.9, etc. Includes stations like VANB, TVAN, GEVA, etc.

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

Table with columns: AGRB, Hanur-Agry, 0.83 326, ePg, Pg, etc. Includes stations like BASK, TASB, EATA, etc.

ISK 17 02:21:23.8, 38°67'N-43°22'E, h5km, MD2.9, ISJCJB 17 02:21:25.0, 0.6, 38°68'N-43°03'43.15E, 0.05, h1km, gkm, Error ellipse: s-maj=6.2km s-min=4.6km az=160.1

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

CSEM 17 02:23:17.6, 35°88'N-30°88'E, h11km, MD3.4, ISK 17 02:23:17.6, 35°88'N-30°88'E, h11km, MD3.4, Eastern

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

ISC 17 02:26:35.2, 0.9, 38°89'N-0°02:43.54E, 0.03, h8km, 7km, n65, c094/82, Turkey

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

PGC 17 02:28:14.1, 3.2, 50°75'N-130°50'W, h10km, MLsn3.1/7, Mw3.7/7, 217km west of Pt. Hardy, BC Vancouver Island, Canada Region, Vancouver Island region

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

NSCC 17 02:36:48.1, 1.6, 40°99'N-42°97'E, h0km, 956km, ML4.5, ISN 17 02:37:06.7, 0.8, 39°18'N-41°47'E, h0km, 68km, ML4.8

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

BNGL		iS	Sg	02 37 33.5 +1.0	BASK	Baskale_VAN	2.18 119i	eP	Pb	02 37 58.6 -1.3	BRDA		U	Sn	02 39 20.4 +0.6			
ECAT	Cat-ERZURUM	0.67 316	eP	Pg	02 37 31.2 -1.8	BASK	Baskale_VAN	2.18 119	iP	Pb	02 38 00.0 +0.2	BRDA	Brd	4.47 74	P	Pn	02 38 28.0 +0.1	
ECAT			IAML		02 37 43.5	BASK	Baskale_VAN	2.18 119	P	Pb	02 38 00.0 +0.2	BRDA	Brd	SNR=10			02 38 28.0 +0.1	
	comp=Z,74um,0.4s					REFA	Refahiye_ERZ	2.20 278	eS	Pn	02 37 58.7 -1.4	BRDA	Mingechevir, A	4.54 67	U	Sn	02 39 20.0 +0.1	
			IVMs_BB	IVMs_BB	02 37 50.4	REFA	Refahiye_ERZ	2.20 278	eS	Pn	02 38 43.0 -0.12	MNGR	Mingechevir, A	SNR=3.6			02 38 29.0 +0.1	
ECAT	Cat-ERZURUM	0.67 316	iP	Pg	02 37 30.7 -2.3	REFA	Refahiye_ERZ	2.20 278	iS	Sg	02 38 38.2 +7.5	MNGR	Mingechevir, A	4.54 67	U	Sn	02 39 22.3 +0.6	
ECAT	Cat-ERZURUM	0.67 316	P	Pg	02 37 30.7 -2.3	REFA	Refahiye_ERZ	2.20 278	P	Pn	02 37 57.8 +0.9	MNGR	Mingechevir, A	SNR=3.6			02 38 29.0 +0.1	
BNGB	Bing'li	0.71 259	eP	Pg	02 37 32.2 -1.7	EAK	Akyaka	2.20 44	eP	Pn	02 37 57.2 +0.2	MNGR	Zakatala	4.59 55	U	Sn	02 39 22.3 +0.6	
ENCS			eS	Pg	02 37 31.8 -2.0	EAK	Akyaka	2.20 44	iP	Pn	02 37 57.9 +0.9	MNGR	Zakatala	SNR=19			02 38 29.9 +0.2	
BNGB	Bing'li	0.71 259	Pg	Pg	02 37 31.8 -2.0	DBOC	Borkca	2.21 21	iP	Pn	02 37 56.9 -0.2	ZKTA					02 38 29.9 +0.7	
BNGB	Bing'li	0.71 259	Pg	Pg	02 37 31.8 -2.0	DBOC	Borkca	2.21 21	P	Pn	02 37 56.8 -0.2	NCK	Naichik	4.62 19	eP	Pn	02 38 29.8 -0.2	
ERZURUM	Erzurum	0.79 348	iP	Pg	02 37 33.5 -1.9	TASB	TASBURUN-IGDIR	2.23 67	eP	Pn	02 37 57.7 +0.5	NCK	Naichik	4.62 19	eP	Pn	02 38 29.8 -0.2	
ERZURUM	Erzurum	0.79 348	P	Pg	02 37 33.5 -1.9	TASB	TASBURUN-IGDIR	2.23 67	eP	Pn	02 37 57.7 +0.5	DRWC	Darouich	4.62 239	eS	Pn	02 37 57.5 -2.6	
YEDI	Yedisu-Bingol	0.86 291	eP	Pg	02 37 34.2 -2.4	KTUT	Trabzon	2.32 324	eP	Pn	02 37 58.7 +0.4	DRWC					02 39 56.5 +1.5	
YEDI	Yedisu-Bingol	0.86 291	eP	Pg	02 37 34.2 -2.4	KTUT	Trabzon	2.32 324	eP	Pn	02 37 58.7 +0.4	DRWC					02 39 57.5	
YEDI	Yedisu-Bingol	0.86 291	eS	Pg	02 37 47.7 -0.2	KTUT	Trabzon	2.32 324	P	Pn	02 37 58.7 +0.4	DRWC	comp=E,364nm,0.7s				02 40 02.8	
YEDI	Yedisu-Bingol	0.86 291	Pg	Pg	02 37 33.6 -3.1	ILIC	ilic-Erzincan	2.36 279	eP	Pn	02 37 58.7 -0.3	ZKT	Zaqatala	4.63 55	P	Pn	02 38 29.9 -0.3	
ADCV	BITLIS_Adilcev	0.95 109	iP	Pg	02 37 36.9 -1.5	ILIC	ilic-Erzincan	2.36 279	eP	Pn	02 37 58.0 +0.0	ZKT					02 39 23.9 -0.2	
ADCV			S	Sb	02 37 51.5 0.0	ILIC	ilic-Erzincan	2.36 279	P	Pn	02 38 00.5 +0.9	ZKT					02 39 30.5 -1.1	
ADCV			S	Sb	02 37 51.5 0.0	KEMA	Kemaliye	2.40 274	P	Pn	02 39 33.7	SOC	Sochi	4.67 343	iP	pmax	pmax	
HOMI	Horasan	0.95 15	eP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 37 59.7 +0.1	SOC					02 38 30.5 -0.1	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 36.3 -0.9	SAMS	Samsun-Atacam	4.69 300	iP	Pn	02 38 42.1 -0.3	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 01.1 +0.6	KBZ	Khabaz	4.70 12	Pn	Pb	02 38 32.7 +1.6	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 01.1 +0.6	KBZ					02 39 45.6	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 01.6 +0.2	KBZ	baz=72,slow=19,SNR=1.4	Lg	LR	LR	02 40 40.4	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 50.0	SEKA	Sheki	4.78 62	U	Pn	02 38 33.3 +1.0	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 39 24.5	SEKA	SNR=5.3				02 39 29.9 +2.1	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 01.7 +0.3	SEKA					02 38 33.3 +1.0	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 01.7 +0.3	SEKA	SNR=5.3				02 39 29.9 +2.1	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.4 +0.5	SEKA					02 38 33.2 +0.1	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.4 +0.5	SEKA					02 39 29.8 +0.5	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.4 +0.5	SEKA					02 38 33.2 +0.1	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 39 29.8 +0.5	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 38 35.0 +1.1	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 39 52.4	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 40 45.9	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 38 44.2 +4.7	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 38 38.6 +0.1	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 39 39.5 +0.5	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 38 38.6 +0.1	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 39 39.5 +0.5	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 38 39.3 0.0	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 39 40.8 +0.4	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 38 39.3 0.0	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 39 40.8 +0.4	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 38 39.3 0.0	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 39 40.8 +0.4	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 38 39.3 0.0	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 39 40.8 +0.4	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 38 39.3 0.0	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 39 40.8 +0.4	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 38 39.3 0.0	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 39 40.8 +0.4	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 38 39.3 0.0	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 39 40.8 +0.4	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 38 39.3 0.0	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 39 40.8 +0.4	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 38 39.3 0.0	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 39 40.8 +0.4	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 38 39.3 0.0	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 39 40.8 +0.4	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 38 39.3 0.0	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 39 40.8 +0.4	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 38 39.3 0.0	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 39 40.8 +0.4	
HOMI	Horasan	0.95 15	iP	Pg	02 37 36.8 -1.6	KEMA	Kemaliye	2.40 274	iP	Pn	02 38 03.2 +0.2	SEKA					02 38 39.3 0.0	







SRTM	Siirt_Merkez	1.20 167	P	Pg	03 07 51.8	-0.5
BTM	Batman	1.29 191	iP	Pn	03 07 53.4	-0.2
BTM	Batman	1.29 191	P	Pn	03 07 53.4	-0.2
GEVA	Gevas	1.44 125 <i>e</i>	eS	Sg	03 07 55.1	-0.7
GEVA			IAML		03 08 16.6	+1.1
GEVA	comp=Z,113nm,0.5s					
GEVA	Gevas	1.44 125	eP	Pn	03 07 54.9	-0.8
GEVA			eS	Sg	03 08 15.5	0.0
GEVA			IAML		03 08 25.4	
GEVA	Gevas	1.44 125	iP	Pn	03 07 55.2	-0.5
GEVA	Gevas	1.44 125	P	Pn	03 07 55.2	-0.5
SENK	Senkaya-Erzuru	1.52 23	ePn	Pg	03 07 57.8	-0.8
SENK	Senkaya-Erzuru	1.52 23	ePn	Pg	03 07 57.8	-0.8
VANB	Van	1.53 111	ePn	Pn	03 07 58.1	-0.5
VANB	Van	1.53 111	ePn	Pn	03 07 58.1	-0.5
EUZM	Uzumlu	1.55 291 <i>e</i>	eP	Pn	03 07 56.5	-0.8
EUZM			IAML		03 08 28.0	
EUZM	comp=Z,65nm,0.6s					
EUZM	Uzumlu	1.55 291	eP	Pn	03 07 56.4	-0.8
EUZM			IAML		03 08 28.0	
EUZM	comp=Z,65nm,0.6s					
EUZM	Uzumlu	1.55 291	iP	Pn	03 07 56.7	-0.6
TVAN	Van	1.56 113	iP	Pn	03 07 56.7	-0.6
TVAN	Van	1.56 113	P	Pn	03 07 56.7	-0.6
VMUR	Van-Muradiye	1.57 96	iP	Pn	03 07 58.8	-0.5
VMUR	Van-Muradiye	1.57 96	P	Pn	03 07 58.8	-0.5
TNCL	Tunceli-Merkez	1.58 269 <i>e</i>	eP	Pn	03 07 57.3	-0.4
TNCL			eS	Sb	03 08 18.5	-0.4
TNCL			IAML		03 08 27.8	
TNCL	comp=Z,105nm,0.6s					
TNCL	Tunceli-Merkez	1.58 269	eP	Pn	03 08 01.4	+1.8
TNCL			eS	Sg	03 08 21.7	+1.7
TNCL			IAML		03 08 27.7	
TNCL	comp=Z,105nm,0.6s					
TNCL	Tunceli-Merkez	1.58 269	iP	Pn	03 07 57.4	-0.2
TNCL	Tunceli-Merkez	1.58 269	P	Pn	03 07 57.4	-0.2
DIY	Diyarbakir	1.64 220	ePn	Pn	03 07 59.1	-0.7
DYB	Diyarbakir	1.65 223	ePn	Pn	03 07 59.1	-0.8
DYB	Diyarbakir	1.65 223	P	Pn	03 08 00.4	0.0
DIYA	Diyarbakir	1.65 223	P	Pn	03 08 00.4	0.0
DYD	Diyadin	1.69 76 <i>e</i>	eP	Pn	03 08 00.2	-0.4
DYD			eS	Sg	03 08 26.7	+3.2
DYD			IAML		03 08 33.6	
DYD	comp=Z,190nm,0.5s					
DYD	Diyadin	1.69 76	eP	Pn	03 08 00.1	-0.6
DYD			eS	Sg	03 08 27.7	+0.9
DYD			IAML		03 08 33.6	
DYD	comp=Z,190nm,0.5s					
DYD	Diyadin	1.69 76	iP	Pn	03 08 00.8	-0.8
DYD	Diyadin	1.69 76	P	Pn	03 08 00.8	-0.8
PTK	Pertek	1.72 262	ePn	Pn	03 07 58.9	-0.8
PTK	Pertek	1.72 262	ePn	Pn	03 07 58.9	-0.8
DDM	Demirkent	1.74 5	iP	Pn	03 08 01.2	-0.3
DDM	Demirkent	1.74 5	P	Pn	03 08 01.2	-0.3
CLDR	Caldiran	1.82 90	ePn	Pn	03 08 02.0	-1.0
CLDR	Caldiran	1.82 90	ePn	Pn	03 08 02.0	-1.0
DIGO	Kars	1.87 47 <i>e</i>	eP	Pn	03 08 03.2	-0.7
DIGO	Kars	1.87 47	eP	Pn	03 08 03.2	-0.7
DIGO	Kars	1.87 47	P	Pn	03 08 03.2	-0.7
DIGO	Kars	1.87 47	P	Pn	03 08 03.2	-0.7
MAZI	Mazidag	1.91 208	ePn	Pn	03 08 03.1	+0.9
MAZI	Mazidag	1.91 208	ePn	Pn	03 08 03.1	+0.9
SVRC	Sivrice-ELAZID	1.93 247	ePn	Pn	03 08 03.6	-1.2
SVRC	Sivrice-ELAZID	1.93 247	ePn	Pn	03 08 03.6	-1.2
DAGI	Agililar	1.94 8	iP	Pn	03 08 04.0	+0.9
WARD	Mardin	1.94 199	iP	Pn	03 08 03.6	+0.9
WARD	Mardin	1.94 199	iP	Pn	03 08 03.6	+0.9
ARTV	Artvin	2.04 8	iI	IAML	03 08 35.7	+0.7
ARTV			eS	Sg	03 08 35.9	+0.9
ARTV			eS	Sg	03 08 03.6	-0.5
ARTV			IAML		03 08 35.7	
ARTV	comp=Z,16nm,0.5s					
ARTV	Artvin	2.04 8	iP	Pn	03 08 35.7	+0.7
ARTV	Artvin	2.04 8	P	Pn	03 08 35.7	+0.7
KELT	Kelkit	2.04 300	eP	Pn	03 08 06.2	-0.5
KELT	Kelkit	2.04 300	eP	Pn	03 08 06.2	-0.5
KELT	Kelkit	2.04 300	P	Pn	03 08 04.7	+0.6
KELT	Kelkit	2.04 300	P	Pn	03 08 04.7	+0.6
ELZG	Elazig	2.12 253	iP	Pn	03 08 08.0	-0.1
ELZG	Elazig	2.12 253	P	Pn	03 08 08.0	-0.1
DBOC	Borcka	2.19 2	P	Pn	03 08 07.4	-1.7
DBOC	Borcka	2.19 2	P	Pn	03 08 07.4	-1.7
EAK	Akyaka	2.19 45	iP	Pn	03 08 08.3	-0.9
EAK	Akyaka	2.19 45	P	Pn	03 08 08.3	-0.9
REFA	Refahiye_ERZ	2.19 277	eP	Pn	03 08 11.4	+0.2
REFA	Refahiye_ERZ	2.19 277	eP	Pn	03 08 11.4	+0.2
REFA	Refahiye_ERZ	2.19 277	P	Pn	03 08 11.5	+0.2
REFA	Refahiye_ERZ	2.19 277	P	Pn	03 08 11.5	+0.2
TASB	TASBURUN-IGDIR	2.22 67	ePn	Pn	03 08 07.6	+1.2
TASB	TASBURUN-IGDIR	2.22 67	ePn	Pn	03 08 07.6	+1.2
KTUT	Trabzon	2.29 323	ePn	Pn	03 08 08.7	-2.2
KTUT	Trabzon	2.29 323	ePn	Pn	03 08 08.7	-2.2
KEMA	Kemalpaşa	2.39 274	eP	Pn	03 08 13.6	-1.6
KEMA	Kemalpaşa	2.39 274	eP	Pn	03 08 13.6	-1.6
KEMA	Kemalpaşa	2.39 274	iP	Pn	03 08 10.1	+1.3
KEMA	Kemalpaşa	2.39 274	P	Pn	03 08 10.1	+1.3
CUKT	Cukurca	2.49 139	ePn	Pn	03 08 12.8	-1.6
CUKT	Cukurca	2.49 139	ePn	Pn	03 08 12.8	-1.6
CUKT	Cukurca	2.49 139	P	Pn	03 08 12.8	-1.6
CUKT	Cukurca	2.49 139	P	Pn	03 08 12.8	-1.6
EPOS	Posof	2.50 20	eP	Pn	03 08 12.4	-2.2
EPOS			IAML		03 09 00.4	
EPOS	comp=Z,11nm,0.7s					
EPOS	Posof	2.50 20	iP	Pn	03 08 12.3	-2.2
EPOS	Posof	2.50 20	P	Pn	03 08 12.4	-2.2
BGD	Bogdanovka	2.62 36	P	Pn	03 08 13.9	-2.6
AKH	Akhalkalaki	2.69 33	ePn	Pn	03 08 15.2	-2.5
AKH	Akhalkalaki	2.69 33	P	Pn	03 08 15.2	-2.5
AKH	Akhalkalaki	2.69 33	P	Pn	03 08 15.0	+1.1
AKH	Akhalkalaki	2.69 33	P	Pn	03 08 15.0	+1.1
URFA	Urfa	2.76 232	ePn	Pn	03 08 15.0	+1.1
URFA	Urfa	2.76 232	ePn	Pn	03 08 15.0	+1.1
ESPY	Espiye-Giresun	2.80 310	ePn	Pn	03 08 15.8	+1.4
ESPY	Espiye-Giresun	2.80 310	ePn	Pn	03 08 15.8	+1.4
NAX	Nakhchivan	3.05 88	P	Pn	03 08 22.5	-1.4
NAX	Nakhchivan	3.05 88	P	Pn	03 08 22.5	-1.4
DARE	Darende-Malaty	3.24 261	ePn	Pn	03 08 21.6	+1.1
DARE	Darende-Malaty	3.24 261	ePn	Pn	03 08 21.6	+1.1
QZX	Qazax_Azerbai	3.48 56	iP	Pn	03 08 25.2	+1.5
QZX			iS	Sb	03 09 13.7	+0.2
QZX			iS	Sb	03 08 25.2	+1.5
QZX	Qazax_Azerbai	3.48 56	P	Pn	03 08 25.2	+1.5
RSDY	Resadiye-TOKAT	3.50 292	ePn	Pn	03 08 25.9	+2.0
RSDY	Resadiye-TOKAT	3.50 292	ePn	Pn	03 08 25.9	+2.0
TBLG	Delisi	3.53 42	P	Pn	03 08 25.4	+1.0
TBLG	Delisi	3.53 42	P	Pn	03 08 25.4	+1.0
GDB	GEDABAY	3.58 63	iP	Pn	03 08 27.2	+2.1
GDB			iS	Sb	03 09 18.3	+1.9
GDB			iS	Sb	03 08 27.2	+2.1
SVSK	Karacayir	3.62 284	ePn	Pn	03 08 27.5	+2.0
SVSK	Karacayir	3.62 284	ePn	Pn	03 08 27.5	+2.0
ONI	Oni	3.71 22	P	Pn	03 08 28.6	+1.6
GANJ	Ganja	3.94 66	iP	Pn	03 08 32.4	+2.3
GANJ	Ganja	3.94 66	P	Pn	03 08 32.4	+2.3
GUDG	Gudauri	3.97 33	P	Pn	03 08 33.9	+3.2
ZKTA	Zakatala	4.58 56	iP	Pn	03 08 39.6	+0.7
ZKT	Zaqatala	4.62 56	P	Pn	03 08 39.6	+0.7
KBZ	Khabaz	4.67 12	Pn	Pn	03 08 42.3	+2.2
KBZ			Lg	Lg	03 09 56.8	
KBZ	comp=Z,0.2nm,0.3s,baz=59,slow=2.1,SNR=5.1					
BRTR	Keskin Array B	6.17 278	Pn	Pn	03 09 02.8	+2.1
BRTR	Resadiye-TOKAT	3.50 292	ePn	Pn	03 08 25.9	+2.0
AKASG	Malin Array Be	14.46 327	Pn	Pn	03 10 53.5	-0.5
AKASG			P	Pn	03 12 26.3	+0.9
GERES	GERES Array B	22.15 305	P	Pn	03 12 26.3	+0.9
GERES			P	Pn	03 12 47.1	+0.4
FINES	FINESS Array B	24.28 342	P	Pn	03 12 47.1	+0.4
FINES			P	Pn	03 13 42.4	-0.1
MKAR	Makanchi Array	30.48 62	P	Pn	03 13 42.4	-0.1
MKAR			P	Pn	03 13 42.4	-0.1

*mb1 3.9/9,mb1mx3.6/5.1,mb1mp3.8/9,ML2.3/1,Error ellipse: s-maj=32.7km s-min=21.2km az=94.0*  
*ISCJB 17 03:21:00.7;1.0,48;1N:0.1;157.2E:0.3,h33km,mb3.7/8, Error ellipse: s-maj=27.7km s-min=16.9km az=14.0*  
*ISC 17 03:21:03.0;1.3,48;1N:0.2;157.2E:0.2,h35km,n9, az=076.9,mb3.8,East of Kuril Islands*

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
PETK	Petropavlovsk-	5.08	3	Op	03 22 16.2	-0.3
ILAR	Eielson Array	33.79	40	P	03 27 40.9	-0.2
MKAR	Makanchi Array	48.80	234	P	03 29 43.8	-0.5
KURBB	Kurchatov Arra	49.04	304	P	03 29 46.3	+0.2
BVAR	Borovoye Array	52.16	310	P	03 30 10.1	+0.5
AKTO	Aktubinsk	59.90	313	P	03 31 04.2	-0.7
FINES	FINESS Array B	64.01	336	P	03 31 33.9	+1.5
WRA	Waranan Arr	70.71	203	P	03 32 15.6	-0.1
ASAR	Alice Springs	74.39	202	P	03 32 36.9	-0.1

*CSEM 17 03:23:01.9;0.3,42;12N:15.16E,h5km,MD2.7,Error ellipse: s-maj=6.3km s-min=4.1km az=33.0*  
*ROM 17 03:23:02.0;0.2,42;11N:15.13E,h3km,MD2.7/29, M2.4/23,Error ellipse: s-maj=2.6km s-min=1.9km az=21.0*  
*ISC 17 03:23:02.6;1.3,42;09N:0.03;15.13E;0.03,h6km,11km, n68,c069/85,Adriatic Sea*

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
FRES	Fresagrandinar	0.36	252	Op	03 23 15.6	+1.2
FRES		268nm,0.4s		Sg		
FRES	Fresagrandinar	0.36	252	Pg	03 23 15.6	+1.2
FRES		268nm,0.4s		Sg		
CIGN	Sant'Elia a Pi	0.47	202	Pg	03 23 12.5	-0.7
CIGN		101nm,0.5s		Sg		
CIGN	Sant'Elia a Pi	0.47	202	Pg	03 23 12.5	-0.7
CIGN		101nm,0.5s		Sg		
TRIV	Trivento	0.54	234	Pg	03 23 14.0	-0.5
TRIV		101nm,0.5s		Sg		
TRIV	Trivento	0.54	234	Pg	03 23 14.0	-0.5
TRIV		101nm,0.5s		Sg		
SGRT	San Giovanni R	0.56	126	Pg	03 23 14.4	-0.5
SGRT		740nm,0.2s		Sg		
SGRT	San Giovanni R	0.56	126	Pg	03 23 14.4	-0.5
SGRT		740nm,0.2s		Sg		
GATE	Gambatesa	0.60	196	Pg	03 23 15.5	+0.1
GATE		82nm,0.5s		Sg		
GATE	Gambatesa	0.60	196	Pg	03 23 15.5	+0.1
GATE		82nm,0.5s		Sg		
CAFR	Castel Frentan	0.60	284	Pg	03 23 14.7	-0.8
CAFR		532nm,0.7s		Sg		
CAFR	Castel Frentan	0.60	284	Pg	03 23 14.7	-0.8
CAFR		532nm,				

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TUTA, BASK, AGRB, etc.

ISCJB 1703:47:31.6:0.6,51.41N:0.03:16.20E:0.03,h0km,Error ellipse: s-maj=1.0km s-min=2.6km az=14.8

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MOA, ARSA, DAVOX, etc.

IDC 1703:54:16.8:13.0,4:10'S:103:17E,h75km,130km,mb3.8/8,mb1.3/9.8,mb1mx3.5/4.5,mbtmp4.1/8,Error ellipse:

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MNAI, LAH, MAURA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FITZ, H08S2, H08S3, etc.

GUC 17 04:13:48.0:5.3823S:75.04W,h11km,8km,ML3.2,1C,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GUC, TMU, VLCH, etc.

ISCJB 17 04:18:12.4:0.4,50:07'N:0:03:18:40E:0:03,h0km,Error ellipse: s-maj=4.4km s-min=2.3km az=14.5

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KECS, TREC, GOPC, etc.

MAN 17 04:18:47,18:42N:121:10E,h5km,mb4.4,ML3.3,MS3.2,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like APYP, ABRA, SGCP, etc.

IDC 1704:23:54.5:2.4,5:51'S:147:11E,h231km,26km,mb3.6/7,mb1.3/7.10,mb1mx3.5/2.9,mbtmp4.2/10,Error ellipse:

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

MAN 17 04:36:59,15:63N:119:81E,h53km,mb3.8,ML2.6,MS2.5,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SCZP, BOLP, PCPH, etc.

NSSP 17 04:37:05.9,38:18N:44:57E,h5km,Ms3.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CLDR, VMUR, DYDN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GRS, DIGO, EATA, EAK, IHRIS, ISRB, etc.

ISK 17 04:42:39.5, 38.76N, 43.40E, h9km, MD2.8
ISCJB 17 04:42:40.7, 0.6, 38.74N, 0.03, 43.54E, 0.07, h13km, 5km,
Error ellipse: s-maj=9.7km s-min=4.7km az=21.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VAN, VMUR, TVAN, CLDR, GEVA, ADCV, TUTA, AGRB, etc.

JMA 17 04:44:19.6, 0.2, 37.34N, 141.88E, h29km, 4km, M3.5,
Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JFK, ONAJ, JMM, JIO, JFT, JOU, JYS, etc.

ISK 17 04:56:17.2, 38.63N, 43.08E, h5km, MD3.0
CSEM 17 04:56:18.0, 0.2, 38.64N, 43.08E, h5km, ML3.3, Error
ellipse: s-maj=6.4km s-min=5.1km az=53.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VAN, TVAN, ADCV, GEVA, TUTA, CLDR, etc.

ISK 17 04:56:18.5, 1.5, 38.70N, 43.23E, h7km, M3.3
ISCJB 17 04:56:19.1, 0.5, 38.69N, 0.03, 43.18E, 0.04, h12km, 5km,
Error ellipse: s-maj=5.7km s-min=4.4km az=173.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VAN, TVAN, ADCV, GEVA, TUTA, CLDR, etc.

ISK 17 05:04:29.9, 38.87N, 43.64E, h5km, ML3.5
DDA 17 05:04:30.6, 38.88N, 43.65E, h16km, M3.8
ATA 17 05:04:30.1, 1.6, 38.87N, 43.63E, h19km, 16km, MD3.5

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like n68, 1510/100, Turkey, VMUR, ERVU, ERVU, ERVU, etc.

ISC 17 05:12:50.0, 0.7, 49.42S, 116.45W, h0km, mb3.9/6,
mb1 4.1/6, mb1mx3.9/32, mbtmp3.9/6, MS3.4/2, Ms1 3.4/2,
ms1mx3.1/16, Error ellipse: s-maj=36.6km s-min=26.8km
az=160.0

ISC 17 05:12:51.4, 0.8, 49.45S, 0.2, 116.3W, 0.3, h10km, mb3.9/6,
MS3.3/2, Error ellipse: s-maj=33.9km s-min=24.5km
az=143.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RPN, VNDA, SNAJ, LPAZ, ASAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NOA, SOMM, SONM, BRTR, etc.

IDC 17 05:14:58.1, 3.6, 30.15S, 138.69E, h0km, mb1 2.9/3,
mb1mx2.9/31, mbtmp2.7/3, ML2.4/3, Error ellipse:
s-maj=109.6km s-min=16.5km az=44.0, South Australia

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

ISK 17 05:29:52.3, 38.58N, 43.11E, h5km, MD2.8
CSEM 17 05:29:53.9, 0.3, 38.61N, 43.14E, h5km, ML2.8, Error
ellipse: s-maj=6.5km s-min=6.0km az=52.0

ISC 17 05:29:54.1, 38.61N, 43.15E, h7km, M3.8
ISC 17 05:29:54.4, 0.1, 38.61N, 0.03, 43.13E, 0.03, h14km, 8km,
n20, 0.68/29, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VANB, TVAN, GEVA, ADCV, VMUR, etc.

ISK 17 05:34:37.6, 39.24N, 41.50E, h4km, MD3.0
ATA 17 05:34:37.0, 39.17N, 41.55E, h20km, MD3.2, ML3.6,
n20, 0.68/29, Turkey

ISCJB 17 05:34:38.3, 0.5, 39.19N, 0.03, 41.53E, 0.04, h5km, 5km,
Error ellipse: s-maj=5.5km s-min=4.0km az=37.4

DDA 17 05:34:38.1, 39.25N, 41.50E, h5km, M3.1
CSEM 17 05:34:38.1, 0.2, 39.20N, 41.55E, h5km, MD3.0, Error
ellipse: s-maj=5.4km s-min=4.4km az=154.0

ISC 17 05:34:38.1, 1.1, 39.24N, 0.02, 41.55E, 0.02, h1km, 10km,
n39, 0.68/63, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VRTB, HMMI, BNGL, etc.

ISC 17 05:34:38.1, 1.1, 39.24N, 0.02, 41.55E, 0.02, h1km, 10km,
n39, 0.68/63, Turkey

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

ISC 17 05:12:50.0, 0.7, 49.42S, 116.45W, h0km, mb3.9/6,
mb1 4.1/6, mb1mx3.9/32, mbtmp3.9/6, MS3.4/2, Ms1 3.4/2,
ms1mx3.1/16, Error ellipse: s-maj=36.6km s-min=26.8km
az=160.0

ISC 17 05:12:51.4, 0.8, 49.45S, 0.2, 116.3W, 0.3, h10km, mb3.9/6,
MS3.3/2, Error ellipse: s-maj=33.9km s-min=24.5km
az=143.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RPN, VNDA, SNAJ, LPAZ, ASAR, etc.

ISK 17 05:48:30.9, 38.77N, 43.16E, h5km, MD3.0
DDA 17 05:48:30.8, 38.75N, 43.07E, h7km, M3.2
ISCJB 17 05:48:31.5, 0.4, 38.76N, 0.02, 43.13E, 0.03, h6km, 5km,
Error ellipse: s-maj=4.1km s-min=3.4km az=166.4



17d 6h

CSEM 17 05:48:31.1.0.2.38.75N-43.12E, h2km, MD3.0, Error ellipse: s-maj=4.4km s-min=3.8km az=93.0
ISC 17 05:48:31.4.1.0.38.75N.0.02.43.13E.0.02, h9km,9km, n34, c#87/57, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like VANB, TVAN, BITLIS\_Adilcev, etc.

NAM 17 05:59:46.2.75.0.32.13S-29.51E, h0km,999km
ISCJB 17 06:00:11.8.0.7.26.44S.0.03.27.38E.0.03, h11km,4km, mb3.8/4, Error ellipse: s-maj=6.0km s-min=4.4km az=146.7
PRE 17 06:00:11.4.1.2.26.41S-27.33E, h2km, ML4.0
IDC 17 06:00:13.2.1.2.26.45S-27.35E, h0km, mb3.7/4, mb1.3/8, mb1mx3.7/42, mbtmp3.8/9, ML2.9/3, Error ellipse: s-maj=20.6km s-min=13.0km az=97.0
ISC 17 06:00:13.0.1.0.26.42S.0.04.27.38E.0.04, h11km,7km, n27, c#268/47, mb3.9/4, South Africa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like KLOF, PRYS, ERPM, SEK, SWZ, LBTB, BOS, BOSA, POGA, CNP, KSD, HVD, PKA, UPI, ARMS, BUFB, SUR, CVNA, KOMG, LSZ.

2011 NOV

comp=Z,0.8nm,0.3s,baz=183,slow=13,SNR=8.4
LSZ comp=Z,1.0nm,0.3s,baz=93,slow=23,SNR=3.9
LSZ comp=Z,1.4nm,0.3s,baz=262,slow=12,SNR=3.8
TSUM Tsumeb 11.54 306 Pn 06 02 59.8 +1.9
TSUM comp=Z,1.1nm,0.3s,baz=128,slow=9.5,SNR=17
TSUM comp=Z,1.1nm,0.3s,baz=57,slow=17,SNR=6.6
TORO Torodi Ar. Be 46.59 324 P 06 08 42.8 +1.5
Sanae comp=Z,1.2nm,0.7s,baz=141,slow=6.4,SNR=18
Sanae comp=Z,1.7nm,0.8s,baz=34,slow=8.8,SNR=8.9
ESDC Sonsea Array 71.96 335 P 06 11 58.9 +2.3
AKASA Malin Array Ba 76.75 P 06 12 06.3 +2.0
comp=Z,0.2nm,0.3s,baz=172,slow=5.8,SNR=5.0

ISCJB 17 06:05:56.8.0.8.59.0N.0.2.30.87W.0.2, h14km, mb3.7/9, MS3.1/7, Error ellipse: s-maj=22.0km s-min=12.3km az=9.8
IDC 17 06:05:56.5.0.9.59.06N.30.81W, h0km, mb3.6/9, mb1.3/10, mb1mx3.6/67, mbtmp3.6/10, ML3.4/1, MS3.2/11, Ms1.3.2/11, ms1mx3.0/67, Error ellipse: s-maj=30.4km az=14.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like SFJD, JMC, AKES, FRB, SCHO, NOA, HFS, ARCES, DAVOX, FINES, RES, VRAC, AKASA, KEST, YKA, PDAR, BVAR, TORO, PFO.

DJA 17 06:10:38.3.0.5.1.5.5.127E, h10km, M3.9/5, mB5.0/1, mb4.1/1, MLv3.9/5, Mw(mB)4.3/1, Southern Molucca Sea
LBMI Labuha 0.79 61 P 06 10 53.7 +0.1
LBMI SANI 1.30 219 P 06 11 03.9 -0.1
LBMI SANI 5.16 271 P 06 11 18.5 -1.2
LBMI FAKI 5.75 109 P 06 12 05.3 +1.5

IDC 17 06:10:46.0.1.5.8.40S.105.22E, h0km, mb4.0/9, mb1.4/19, mb1mx3.8/43, mbtmp4.0/9, Error ellipse: s-maj=70.7km s-min=16.1km az=50.0
DJA 17 06:10:49.1.0.4.8.3.3.101SE, h30km, M4.2/11, mB5.8/1, mb4.2/1, MLv4.2/11, Mw(mB)5.3/1
NEIC 17 06:10:50.9.0.7.8.41S.105.35E, h35km, mb4.0/2, Error ellipse: s-maj=20.9km s-min=11.6km az=55.0
ISC 17 06:10:49.0.2.0.8.10S.0.07.105.64E.0.05, h13km, 11km, n26, c#127/37, mb3.9/12, South of Jawa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like SKJI, CUBIN, CNJI, DBJI, SBJI, CBJI, CISI, XMSI, KPJI, LWLI, MDSI, MNAI, UGMI, FITZ, CMAR, WRA, WRAB, ASAR, STKA, CTAO, SONM, MKAR, ZALV, ABKAR, BRTR.

CASC 17 06:11:46.1.4.0.8.83N.103.98W, h9km,56km, mb4.6, mb4.8(NEIC)
IDC 17 06:11:49.6.0.7.8.25N.103.40W, h0km, mb4.4/13, mb1.4/714, mb1mx4.5/28, mbtmp4.4/14, ML4.2/1, MS4.6/18,

918

M1 4.6/18, m1mx4.5/30, Error ellipse: s-maj=35.6km s-min=12.6km az=60.0
MOS 17 06:11:52.0.9.8.29N.103.20W, h10km, mb4.9/40, Error ellipse: s-maj=19.5km s-min=6.0km az=104.4
ISCJB 17 06:11:50.8.0.3.8.41N.0.03.103.15W.0.03, h10km, mb4.8/139, MS4.6/20, Error ellipse: s-maj=5.3km s-min=3.5km az=29.0
NEIC 17 06:11:52.3.0.3.8.28N.103.24W, h10km, mb4.8/105, Error ellipse: s-maj=8.0km s-min=4.0km az=50.0
GCMT 17 06:11:52.3.0.2.8.48N.103.36W, h12km, MW5.2/119, Moment Tensor Solution. s2c, c125, s119, c224; Duration: 160 Moment tensor: Scale 1016Nm; M1: 1.61+13; M2: 2.11+13; M3: 0.49+13; M4: 3.38+32; M5: 8.39+10; M6: -0.90+34; Best double couple: M2: 23300x10^16 NPT; 87.00000; 863.00000; lambda=157.00000; NP2: 354.00000; 867.00000; lambda=8.00000; Principal axes: T 9.7100, Plg11.0000; Azm219.0000; N -0.9520, Plg66.0000; Azm103.0000; P -8.7570, Plg21.0000; Azm313.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
BUJ 17 06:11:52.5.8.30N.103.30W, h10km, mB5.6/9, Ms5.4/10, Ms7.5/10

ISC 17 06:11:52.2.0.4.8.29N.0.06.103.29W.0.06, h10km, n574, c#138/575, mb4.8/139, MS4.7/21, 1C-ID, Northern East Pacific Rise

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like TLIG, CMIG, HOGSI, HOGEI, CCIG, ZAIG, SNET, PAYG, PAYG, CRIN, SLBS, COPN, LNLG, LPIG, MGAN, ESTN, CONN, JTS, HPIG, O3S2, TEIG, ESPN, ESPN, ESPN, 034A, 833A, TX31, JCT, JCT, JCT, HKT, HKT, 435B, BCIP, MNXT, MNXT, 437A, 438A, 319A, 336A, 439A, 337A, 440A, 338A, 543A, WHIT, 441A, 339A, ABTX, ABTX, 121A, 121A, 442A, 237A, 340A, 238A, 341A, 443A, 136A, TUC, TUC, TUC, 239A, 214A, 214A, 137A, 138A, 241A, MSTX, MSTX.

139A	comp=Z,14nm,0.9s Bunkhouse Ranc baz=200	25.63	18	P	P	06 17 21.1	-0.8
237A	Pogue Cattle C baz=198	25.78	15	P	P	06 17 22.7	-0.6
242A	Grayson baz=206	25.82	22	P	P	06 17 23.0	-0.7
344A	Westbrook Farm baz=209	25.85	25	P	P	06 17 23.1	-0.9
140A	Cam and Jess, baz=202	25.85	19	P	P	06 17 23.2	-0.8
Y22D	IRIS PASSCAL I baz=172	25.88	353	P	P	06 17 24.2	-0.2
BNM	Barren Site OTAV Otavalo OTAV Otavalo	25.92 354 eP 26.00 107 eP 26.00 107 eP				06 17 25.4 +0.5 06 17 24.8 -1.3 06 17 26.8 +0.7	
OTAV	OTAV comp=Z,43nm,1.1s	26.00 107 eP				06 17 26.1 0.0	
141A	Papa Simpson, baz=204	26.04 20				06 17 23.1 -2.6	
Y35A	Marietta baz=194	26.14 12				06 17 25.1 -1.5	
113A	Mohawk Valley, 113A	26.23 340 eP 26.23 340 eP				06 17 27.3 0.0 06 17 27.8 +0.4	
LAZ	Ladron Y36A	26.23 353 eP 26.29 13 P				06 17 27.9 +0.2 06 17 27.5 -0.5	
244A	Avery, Jackson baz=196	26.38 25				06 17 27.1 -1.7	
AMTX	Amarillo baz=183	26.51 3				06 17 29.3 -0.7	
AMTX	Amarillo comp=Z,23nm,1.2s	26.51 3 eP				06 17 30.4 +0.3	
Y37A	Hugo baz=197	26.52 14				06 17 28.8 -1.2	
VBMS	Vicksburg baz=209	26.60 25				06 17 29.6 -1.2	
X35A	Drake baz=194	26.63 12				06 17 27.5 -3.5	
WMOK	Wichita Mounta baz=190	26.65 8				06 17 30.5 -0.7	
Z41A	Richland Creek baz=203	26.67 20				06 17 30.1 -1.3	
143A	Socs Landing, baz=207	26.68 23				06 17 30.3 -1.1	
ANMO	Albuquerque comp=Z,0.8nm,0.5s,baz=346,slow=12,SNR=5.9	26.69 354 LR				06 17 31.2 -0.6	
ANMO	Albuquerque comp=Z,1.7um,19.0s,baz=360,slow=33	06 26 34.6					
ANMO	Albuquerque baz=113	26.69 354 P				06 17 30.5 -1.3	
ANMO	Albuquerque comp=Z,2.0nm,1.2s	26.69 354 Pmax				06 17 31.5 -0.3	
ANMO	Albuquerque comp=Z,2.0nm,1.2s	26.69 354 eP				06 17 31.7 -0.1	
245A	Little AP, Sta baz=210	26.76 26				06 17 30.7 -0.9	
Y38A	Idabel baz=199	26.71 16				06 17 31.7 0.0	
448A	Bay Minette baz=216	26.74 31				06 17 29.7 -2.3	
X18A	Snowflake comp=Z,38nm,1.6s	26.82 348 eP				06 17 34.0 +0.9	
GLA	Glamis baz=154,SNR=12	26.86 338 P				06 17 33.4 +0.2	
GLA	Glamis comp=Z,23nm,0.9s	26.86 338 ePmax				06 17 33.3 +0.2	
GLA	Glamis comp=Z,23nm,0.9s	26.86 338 eP				06 17 33.3 +0.2	
Z42A	Norrel Spur, H baz=205	26.98 21				06 17 33.1 -1.1	
IKP	In-Ko-Pah, Jac baz=151	27.00 336				06 17 33.4 -1.1	
Y14A	Wickenburg Y14A	27.05 342 eP 27.05 342 eP				06 17 34.6 -0.3 06 17 34.6 +0.2	
X16A	Lo Mia Camp, P comp=Z,37nm,1.1s	27.09 101 eP				06 17 34.6 -0.6	
POPC	Popayan, Colom 348A	27.11 30 P 27.11 30 P				06 17 27.9 -7.7 06 17 34.6 -0.8	
SWSC	Sam W. Stewart baz=215	27.14 336				06 17 34.9 -0.7	
145A	Houston Renfro baz=210	27.18 25				06 17 35.1 -0.9	
Y40A	Okolona baz=202	27.21 18				06 17 34.4 -1.8	
BAR	Barrett comp=Z,27nm,1.4s	27.26 335 eP				06 17 37.2 +0.5	
247A	Quitman baz=213	27.30 28				06 17 35.3 -1.8	
Y41A	Eaglette Beard baz=203	27.32 20				06 17 35.3 -1.8	
MOTC	Monteria, Cord MONP2	27.32 87 eP 27.34 335 P				06 17 36.1 -1.3 06 17 36.4 -1.3	
W18A	Petrified Fore baz=151	27.35 348 P				06 17 38.3 +0.6	
W18A	Petrified Fore comp=Z,39nm,1.5s	27.35 348 eP				06 17 38.3 +0.6	
W35A	Tecumseh baz=194	27.38 11				06 17 36.5 -1.2	
Y12C	Blythe baz=155	27.38 339 P				06 17 36.1 -1.7	
Y12C	Blythe comp=Z,15nm,1.3s	27.38 339 eP				06 17 38.2 +0.5	
X38A	Whitesboro baz=198	27.39 15				06 17 36.5 -1.3	
X39A	Fountain Ranch baz=209	27.43 17				06 17 36.6 -1.5	
W36A	Wetumka baz=195	27.50 13				06 17 37.8 -1.0	
Y42A	Garnett, Star baz=208	27.55 21				06 17 37.4 -1.8	
Z44A	Pea Ridge, Bel baz=208	27.56 24				06 17 39.0 -0.4	
HELIC	Santa Helena baz=192	27.61 92 eP				06 17 41.2 +0.7	
HELIC	Santa Helena MIAR	27.61 92 eP 27.61 17 P				06 17 41.4 +0.9 06 17 39.1 -0.8	
MIAR	Mount Ida MIAR	27.61 17 eP 27.61 17 eP				06 17 39.8 0.0 06 17 39.8 0.0	
MIAR	Mount Ida comp=Z,12nm,1.0s	27.61 17 eP				06 17 39.8 0.0	
109C	Camp Elliot, M baz=149	27.62 334 P				06 17 40.0 0.0	
BC3	Big Chuckawall baz=153,SNR=6.9	27.63 338 P				06 17 40.2 +0.1	
W37B	Quinton baz=197	27.68 14				06 17 39.2 -1.2	
W37B	Quinton comp=Z,27nm,1.3s	27.68 14 eP				06 17 40.4 -0.1	
248A	Dixon Mills baz=214	27.75 29				06 17 39.0 -2.0	
PDMCI	Parker Dam, Lak baz=156,SNR=7.3	27.75 340 P				06 17 41.2 +0.1	
X40A	Basin Creek Fe baz=202	27.79 19				06 17 39.9 -1.6	
SJCC	San Jacinto, C X41A	27.80 85 eP 27.90 19 P				06 17 42.4 +0.6 06 17 42.1 -0.3	
Y43A	Makayla and Ka baz=207	27.93 22				06 17 41.6 -1.1	
Z45A	Winona baz=210	27.94 25				06 17 42.2 -0.7	
IRM	Iron Mountain baz=154,SNR=12	27.97 339 P				06 17 43.2 +0.2	
147A	Livingston baz=213	27.97 28				06 17 41.1 -2.0	
Y35A	Meyer Ranch, C baz=194	27.97 11				06 17 42.9 -0.2	
XPFO	Piezon Flat comp=Z,19nm,1.3s	27.98 336 eP				06 17 44.0 +0.7	
PFO	Pinyon Flats O comp=Z,7.4nm,1.1s,baz=149,slow=7.7,SNR=11	27.98 336 P				06 17 43.5 +0.2	
PFO	Pinyon Flats O comp=Z,987nm,19.5s,baz=146,slow=32	06 26 50.3					
PFO	Pinyon Flats O baz=151,SNR=7.7	27.98 336 eP				06 17 43.6 +0.2	
PFO	Pinyon Flats O comp=Z,17nm,1.3s	27.98 336 eP				06 17 44.0 +0.7	
WUAZ	Wupatki baz=183,SNR=17	28.09 346 eP				06 17 44.9 +0.5	
WUAZ	Wupatki comp=Z,29nm,1.1s	28.09 346 eP				06 17 44.9 +0.5	
Z46A	Louisville	28.11 26				06 17 43.4 -0.9	

BELC	Belle Mtn. Jos baz=152,SNR=6.0	28.14 337				06 17 45.0 +0.2	
W39A	Magazine ZARC Zaragoza, Cauc V36A	28.16 17 P 28.17 90 eP 28.18 13 P				06 17 43.5 -1.3 06 17 44.6 -0.5 06 17 43.5 -1.5	
U32A	Winter Ranch, baz=195	28.23 7				06 17 44.2 -1.2	
X42A	Stuttgart baz=205	28.25 21				06 17 44.5 -1.1	
MURC	Murrieta baz=190	28.27 335 P				06 17 45.3 -0.5	
TUL1	Leonard baz=196	28.33 13				06 17 45.1 -1.2	
TUL1	Leonard comp=Z,17nm,1.4s	28.33 13 eP				06 17 46.4 +0.2	
NEE2	Needles Airpor baz=156	28.34 340 P				06 17 45.6 -0.7	
W40A	Ferguson Farm, baz=202	28.37 18				06 17 45.6 -1.0	
W40A	Ferguson Farm, comp=Z,82nm,1.8s	28.37 18 eP				06 17 46.6 0.0	
W13A	Hualapai Mount comp=Z,22nm,1.6s	28.40 342 eP				06 17 47.8 +0.7	
Y45A	Yeager Farm, C baz=199	28.43 25				06 17 46.3 -0.9	
V37A	Hubert baz=197	28.46 14				06 17 46.4 -1.0	
X43A	Marvell baz=206	28.49 22				06 17 47.6 -0.1	
Z47A	Carrollton baz=213	28.50 27				06 17 46.4 -1.5	
U35A	Pawnee baz=192	28.58 11				06 17 47.3 -1.2	
U35A	Pawnee comp=Z,24nm,1.4s	28.58 11 eP				06 17 49.4 +0.8	
PRAC	Prado PRAC Prado	28.60 97 eP 28.60 97 eP				06 17 49.8 +0.9 06 17 50.7 +1.7	
W41B	Gary Mavity, V baz=203	28.61 19				06 17 47.7 -1.0	
X301	Greenbrier Sit comp=Z,33nm,1.3s	28.62 19 eP				06 17 49.5 +0.7	
V38A	Ganahl baz=198	28.62 15				06 17 48.4 -0.5	
CIS	Catalina Islan baz=147	28.64 333 P				06 17 49.0 0.0	
WHAR	Woody Hollow comp=Z,32nm,1.4s	28.70 19 eP				06 17 51.2 +1.7	
GMRC	Granite Mount baz=154,SNR=5.2	28.71 338 P				06 17 50.1 +0.2	
BBRC	Big Bear Solar baz=195	28.74 336 P				06 17 50.2 0.0	
BBRC	Big Bear Solar Y46A	28.74 336 eP 28.74 26 P				06 17 50.6 +0.5 06 17 49.2 -0.7	
T25A	Trinidad baz=178	28.74 358 P				06 17 49.6 -0.6	
T25A	Trinidad comp=Z,44nm,2.0s	28.74 358 eP				06 17 50.8 +0.7	
X44A	Crenshaw baz=196	28.75 23				06 17 49.4 -0.6	
LDFC	Landfair comp=Z,22nm,1.0s	28.78 340 eP				06 17 51.7 +1.3	
U36A	Oologah baz=196	28.81 13				06 17 48.8 -1.7	
Z48A	Northport baz=214	28.89 28				06 17 50.0 -1.2	
U37A	Salina baz=197	28.96 14				06 17 50.7 -1.2	
ROSC	El Rosal comp=Z,2.3nm,0.5s,baz=329,slow=1.9,SNR=6.0	28.97 95 P				06 17 54.7 +2.0	
ROSC	El Rosal comp=Z,40nm,1.9s	28.98 24 P				06 17 55.0 +2.4	
X45A	UM Field Stati baz=209	28.98 24				06 17 50.4 -1.6	
HEC	Hector,Ludlow baz=153	29.01 337 P				06 17 51.3 -1.1	
V40A	Witts Springs baz=202	29.01 18				06 17 51.0 -1.3	
BFSC	Mount Baldy Ra baz=150	29.02 335 P				06 17 51.7 -0.9	
T34A	McClaskey Farm baz=194	29.13 10				06 17 52.5 -0.9	
T35A	Sooner Cattle baz=194	29.16 11				06 17 52.7 -0.9	
ATAH	Atahualpa comp=Z,1.9nm,0.5s,baz=17,slow=4.1,SNR=4.2	29.16 121 P				06 17 55.5 +1.2	
ATAH	Atahualpa comp=Z,3um,20.8s,baz=289,slow=32	06 27 12.7					
U38A	Gravette baz=198	29.17 15				06 17 53.5 -0.2	
MWC	Mount Wilson MWC	29.18 334 eP 29.18 334 eP				06 17 54.6 +0.6 06 17 54.6 +0.6	
MWC	Mount Wilson comp=Z,30nm,1.4s	29.18 334 eP				06 17 54.6 +0.6	
MVCO	Mesa Verde baz=169,SNR=10.0	29.18 351 P				06 17 53.6 -0.4	
MVCO	Mesa Verde comp=Z,57nm,1.8s	29.18 351 eP				06 17 53.4 -0.6	
U15A	North Rim U15A	29.19 345 eP 29.19 345 eP				06 17 54.6 +0.4 06 17 54.8 +0.6	
Y47A	UCPARC, Winfie baz=212	29.19 27				06 17 53.3 -0.7	
V41A	Mountainview baz=203	29.20 19				06 17 52.9	

OGNE	Ogallala	32.54	2	P	P	06 18 22.6	-0.9
N23A	Red Feather La	32.56	356	P	P	06 18 22.5	-1.4
N23A	Red Feather La	32.56	356	eP	P	06 18 24.5	+0.6
TKL	Tuckaleehee C	32.56	30	P	P	06 18 23.5	-0.2
TKL	Tuckaleehee C	32.56	30	eP	P	06 18 23.5	-0.2
O36A	Bolckow	32.57	12	P	P	06 18 22.0	-1.7
Q42A	Golden Eagle	32.58	19	P	P	06 18 21.7	-2.0
O37A	Wolfen Farm, M	32.78	13	P	P	06 18 24.3	-1.2
Q43A	New Douglas	32.87	20	P	P	06 18 25.8	-0.5
O38A	Galt	32.89	14	P	P	06 18 26.3	-0.2
DUG	Dugway, Tooele	32.89	346	P	P	06 18 27.5	+0.9
DUG	Dugway, Tooele	32.89	346	eP	P	06 18 27.5	+0.9
DUG	Dugway, Tooele	32.89	346	eP	P	06 18 27.5	+0.9
DUG	Dugway, Tooele	32.89	346	eP	P	06 18 27.5	+0.9
DUG	Dugway, Tooele	32.89	346	eP	P	06 18 27.5	+0.9
N34A	Lincoln	32.97	9	P	P	06 18 27.1	-0.1
JLU	Jordanelle	32.99	349	eP	P	06 18 27.8	+0.1
JLU	Jordanelle	32.99	349	eP	P	06 18 27.8	+0.1
Q44A	Meyer Farm, Va	33.07	21	P	S	06 23 47.8	+1.5
NNA	Nana	33.12	127	LR	LR	06 28 50.1	
CTU	Camp Tracy	33.14	348	eP	P	06 18 29.1	+0.2
N35A	Tabor	33.14	11	P	P	06 18 26.8	-1.9
N36A	Muff Farm, Cla	33.23	12	P	P	06 18 27.5	-1.9
O39A	Kirksville	33.24	15	P	P	06 18 28.9	-0.7
P42A	Winchester	33.25	18	P	P	06 18 28.1	-1.5
BGNE	Belgrade	33.30	7	P	P	06 18 29.4	-0.6
O40A	La Belle	33.30	16	P	P	06 18 29.3	-0.7
N37A	Lee Faris, Mou	33.33	13	P	P	06 18 27.6	-2.7
CMB	Columbia Colle	33.40	335	eP	P	06 18 31.5	+0.4
CMB	Columbia Colle	33.40	335	eP	P	06 18 31.5	+0.4
CMB	Columbia Colle	33.40	335	eP	P	06 18 31.5	+0.4
WAKR	Walker	33.42	337	eP	P	06 18 31.9	+0.5
TCUT	Toone Canyon	33.48	349	eP	P	06 18 32.5	+0.5
O41A	Passeys Farm,	33.57	17	P	P	06 18 31.7	-0.7
N38A	Joey South For	33.58	14	P	P	06 18 32.3	-0.2
BGU	Big Grassy Mou	33.64	347	eP	P	06 18 34.3	+1.1
M35A	Neola	33.72	10	P	P	06 18 33.3	-0.4
YERR	Yerington	33.76	337	eP	P	06 18 35.6	+1.2
N39A	Derby Farms, D	33.84	15	P	P	06 18 34.6	-0.2
M36A	Felix, Anita	33.87	11	P	P	06 18 34.6	-0.4
SPUT	South Promonto	33.87	348	eP	P	06 18 35.9	+0.7
M37A	Trindle Farm,	33.98	12	P	P	06 18 36.0	+0.1
PNTR	Pine Nut	33.99	337	eP	P	06 18 36.8	+0.5
L34A	Swendsen Farm,	34.09	9	P	P	06 18 36.1	-0.9
M38A	Pleasantville	34.18	14	P	P	06 18 36.8	-0.9
O43A	Sugar Creek Fa	34.22	19	P	P	06 18 37.2	-0.8
BMN	Battle Mountai	34.34	341	eP	P	06 18 39.8	+0.5
BMN	Battle Mountai	34.34	341	eP	P	06 18 39.8	+0.5
K22A	Casper	34.34	356	P	P	06 18 39.6	+0.3
P46A	Rosedale	34.36	22	P	P	06 18 39.2	-0.1
L35A	Bielow Farm, R	34.37	10	P	P	06 18 38.7	-0.7
O44A	Mansfield	34.38	20	P	P	06 18 38.9	-0.6
HVU	Hansel Valley	34.40	347	eP	P	06 18 40.3	+0.5
HVU	Hansel Valley	34.40	347	eP	P	06 18 40.3	+0.5
HVU	Hansel Valley	34.40	347	eP	P	06 18 40.3	+0.5
AFDM	Forest Hills D	34.42	335	eP	P	06 18 40.8	+0.7
K31A	O'Neill	34.43	6	P	P	06 18 38.2	-1.7
PAHR	Pah Rah Range	34.45	338	eP	P	06 18 41.6	+1.4
HDIL	Hopedale	34.47	19	P	P	06 18 39.1	-1.0
HDIL	Hopedale	34.47	19	eP	P	06 18 39.7	-0.5
N42A	Yates City	34.48	18	P	P	06 18 39.1	-1.3
M39A	Webster	34.49	15	P	P	06 18 39.9	-0.5
K32A	Verdige	34.55	7	P	P	06 18 40.3	-0.6
O45A	Potomac	34.72	21	P	P	06 18 42.1	-0.3
L37A	Phoenix Point,	34.73	12	P	P	06 18 42.1	-0.4
BW06	Boulder Array	34.78	352	P	P	06 18 42.9	-0.3
BW06	Boulder Array	34.78	352	eP	P	06 18 43.0	-0.3
PD31	Pinedale Array	34.78	352	eP	P	06 18 42.6	-0.6
PDAR	Pinedale Array	34.78	352	eP	P	06 18 42.2	-1.0
K34A	Le Mars	34.84	9	P	P	06 18 42.8	-0.7
L38A	Oak Wood Farm,	34.93	13	P	P	06 18 42.7	-1.5
BEKR	Beckworth	34.96	337	eP	P	06 18 45.9	+1.2
K35A	Storm Lake	35.02	10	P	P	06 18 44.1	-0.9
SFIN	Lafayette	35.07	22	P	P	06 18 45.0	-0.3
M42A	Sheffield	35.14	18	P	P	06 18 44.0	-2.0
ORV	Oroville	35.15	335	eP	P	06 18 46.9	+0.8
ORV	Oroville	35.15	335	eP	P	06 18 46.9	+0.8
ORV	Oroville	35.15	335	eP	P	06 18 46.9	+0.8
J32A	Parkston	35.27	7	P	P	06 18 45.7	-1.4
J33A	Davis	35.33	8	P	P	06 18 46.2	-1.4
K37A	Belmond	35.37	12	P	P	06 18 47.1	-0.9
REDW	Red Top Meadow	35.56	350	eP	P	06 18 49.7	-0.1
SNOW	Snow King Moun	35.64	351	eP	P	06 18 51.2	+0.6
L42A	Oliver, Polo	35.67	18	P	P	06 18 49.5	-1.0
RSSD	Black Hills	35.70	359	P	P	06 18 51.3	+0.2
RSSD	Black Hills	35.70	359	eP	P	06 18 52.0	+0.9
RSSD	Black Hills	35.70	359	eP	P	06 18 52.0	+0.9
RSSD	Black Hills	35.70	359	eP	P	06 18 52.0	+0.9

TPAW	Teton Pass	35.70	350	eP	P	06 18 51.6	+0.4
K39A	Oelwein	35.72	14	P	P	06 18 50.0	-1.0
J36A	Seneca 1, Swea	35.77	11	P	P	06 18 50.0	-1.4
ECSD	EROS Data Cent	35.79	8	P	P	06 18 50.9	-0.7
FXWY	Fox Creek	35.86	350	eP	P	06 18 52.6	+0.2
O03D	Paynes Creek	35.90	336	P	P	06 18 52.3	-0.4
J37A	Reclus Farm,	35.91	12	P	P	06 18 52.0	-2.5
MOOW	Moose Ponds	35.92	351	eP	P	06 18 52.7	-0.2
I33A	Coleman	36.07	8	P	P	06 18 53.3	-0.7
IMW	Indian Meadow	36.09	351	eP	P	06 18 54.9	+0.3
L43A	Garden Prairie	36.12	18	P	P	06 18 52.8	-1.6
J38A	Wedel Dairy,	36.16	13	P	P	06 18 53.5	-1.2
I35A	Creekvie Farm	36.16	10	P	P	06 18 54.1	-0.7
I34A	Hadley	36.20	9	P	P	06 18 54.2	-0.9
SUSD	Miller	36.21	5	P	P	06 18 54.3	-0.9
H32A	Carlson Farm,	36.43	7	P	P	06 18 56.5	-0.7
YPP	Pitchstone Pla	36.44	351	eP	P	06 18 57.8	+0.3
WDC	Whiskeytown D	36.44	335	eP	P	06 18 56.2	-1.0
WDC	Whiskeytown D	36.44	335	eP	P	06 18 56.2	-1.0
WDC	Whiskeytown D	36.44	335	eP	P	06 18 56.2	-1.0
HLID	Haile	36.46	346	P	P	06 18 57.8	+0.3
HLID	Hailey	36.46	346	eP	P	06 18 58.0	+0.4
K42A	Prairie Point,	36.48	17	P	P	06 18 58.2	+0.8
I36A	Fitzsimmons Fa	36.50	11	P	P	06 18 56.0	-1.7
H17A	Grant Village	36.52	351	P	P	06 18 57.8	-0.4
H17A	Grant Village	36.52	351	eP	P	06 18 58.7	+0.5
WVOR	Wild Horse Val	36.60	341	eP	P	06 18 58.3	-0.4
WVOR	Wild Horse Val	36.60	341	eP	P	06 18 58.2	-0.4
WVOR	Wild Horse Val	36.60	341	eP	P	06 18 58.2	-0.4
YFT	Old Faithful	36.62	351	eP	P	06 19 00.7	+1.8
KMRM	Mail Ridge	36.65	333	eP	P	06 18 59.7	+0.6
MFID	Camas Ranch	36.67	345	eP	P	06 18 59.8	+0.5
H33A	Pre Oves Nor	36.70	8	P	P	06 18 57.7	-1.7
MOD	Modoc Plateau	36.70	339	eP	P	06 18 60.0	+0.4
H34A	Spelman Lake,	36.82	9	P	P	06 18 59.2	-1.2
J41A	Loganville	36.82	16	P	P	06 18 58.6	-1.8
N02D	Trinity Center	36.84	335	P	P	06 18 59.3	-1.4
YMR	Madison River	36.85	351	eP	P	06 19 02.0	+1.1
I38A	Scanlan Farm,	36.87	13	P	P	06 19 00.4	-0.5
I39A	Houston	36.89	14	P	P	06 18 59.7	-1.2
YHH	Holmes Hill	36.95	351	eP	P	06 19 02.6	+0.7
YHB	Horse Butte	36.97	351	eP	P	06 19 02.2	+0.3
H35A	Sunnyside Ranc	37.01	10	P	P	06 19 00.5	-1.4
H36A	Jeanland, He	37.05	11	P	P	06 19 01.9	-0.4
QLMT	Earthquake Lak	37.08	350	eP	P	06 19 04.3	+1.4
M04C	Macdoel	37.18	337	P	P	06 19 02.9	-0.7
G33A	Ortonville	37.24	8	P	P	06 19 02.6	-1.4
M02C	Callahan	37.25	335	P	P	06 19 03.6	-0.6
MCMT	McKenzie Canyo	37.34	349	eP	P	06 19 05.9	+0.9
J08A	Circle Bar Ran	37.38	342	eP	P	06 19 05.8	+0.5
G34A	Benson	37.41	9	P	P	06 19 03.9	-1.4
YBH	Yreka Blue Hor	37.48	336	eP	P	06 19 05.6	-0.5
YBH	Yreka Blue Hor	37.48	336	eP	P	06 19 05.6	-0.5
YBH	Yreka Blue Hor	37.48	336	eP	P	06 19 05.6	-0.5
H38A	Main Rock	37.49	13	P	P	06 19 04.3	-1.7
F31A	Hecla	37.68	6	P	P	06 19 07.1	-0.6
H39A	Augusta	37.72	14	P	P	06 19 06.8	-1.2
GCMT	Greycliff	37.77	353	eP	P	06 19 08.8	+0.3
DLMT	Dillon	37.80	349	eP	P	06 19 09.3	+0.4
F32A	Verdige	37.82	7	P	P	06 19 08.2	-0.6
BOZ	Bozeman (W)	37.86	350	P	P	06 19 09.3	-0.1
BOZ	Bozeman (W)	37.86	350	eP	P	06 19 10.2	+0.8
BOZ	Bozeman (W)	37.86	350	eP	P	06 19 10.2	+0.8
BOZ	Bozeman (W)	37.86	350	eP	P	06 19 10.2	+0.8
K04D	Chilivn, OR	37.86	338	P	P	06 19 09.5	+0.1
F34A	Alexandria	38.00	9	P	P	06 19 09.2	-1.2
G38A	Ridgeland	38.05	13	P	P	06 19 09.1	-1.7
F35A	Swanville	38.18	10	P	P	06 19 11.4	-0.4
LRM	Limekiln Ridge	38.22	350	eP	P	06 19 12.3	-0.2
J05D	Fort Rock, OR	38.24	339	P	P	06 19 13.0	+0.3
H42A	Shiocton	38.30	17	P	P	06 19 12.6	-0.3
LAO	LASA Array	38.34	357	P	P	06 19 12.2	-1.2
F36A	Milaca	38.37	11	P	P	06 19 12.3	-1.2
BMO	Blue Mountains	38.40	344	eP	P	06 19 13.6	-0.3
BMO	Blue Mountains	38.40	344	eP	P	06 19 13.6	-0.3
BMO	Blue Mountains	38.40	344	eP	P	06 19 13.6	-0.3
F37A	Hilrichs Farm,	38.41	12	P	P	06 19 12.1	-1.7
G40A	Rib Lake	38.54	15	P	P	06 19 13.9	-1.0
G41A	Antigo	38.76	16	P	P	06 19 15.2	-1.6
F38A	Pierce - Schro	38.80	13	P	P	06 19 16.1	-1.0
E35A	Pequot Lakes	38.88	10	P	P	06 19 16.6	-1.2
D31A	McClaffin, Tow	38.91	6	P	P	06 19 16.9	-1.1
E36A	McGregor	39.05	11	P	P	06 19 19.3	+0.1
I04A</							

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BRVK Borovoye, KIV Kislovodsk, BJJ Beijing, etc.

IDC 17 06:12:10.71.0.25.01N:123.52E, h0km, mb3.6/7, mb1.3/7.7, mb1mx3.5/4.5, mbtmp3.6/7, MS3.5/12, Ms1.3/5.12, ms1mx3.3/2.8, Error ellipse: s-maj=45.6km s-min=18.5km az=74.0

MS3J 17 06:12:11.71.1.25.05N:07.123.68E:0.0,4, h20km, 11km, mb3.4/6, MS3.5/9, Error ellipse: s-maj=11.7km s-min=5.9km az=176.8

JMA 17 06:12:11.4.0.3.25.05N:123.70E, h10km, n23, r0970/20, mb3.5/6, MS3.5/9, Northeast of Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IRIF Iriomote-Funau, JISG Ishigakijimahi, etc.

ISCJB 17 06:25:47.4.0.5.37.60S:0103.73:36W:0.09, h23km, mb4.2/13, Error ellipse: s-maj=10.3km s-min=4.4km az=6.6

NEIC 17 06:25:49.0.0.0.37.61S:73:35W, h37km, mb4.4/11, After GUC

NEIC Felt [V] at Lebu and Renaico; [III] at Angol, Collipulli, [Concepcion, Huaplan, La Laja and Los Angeles; [II] at Tome

GUC 17 06:25:49.2.0.6.37.61S:73:35W, h37km, 4km, ML4.4, IDC 17 06:25:49.5.1.2.37.63S:73:03W, h2km, 7km, mb3.6/6, mb1.3/8/8, mb1mx3.0/2.5, mbtmp3.9/8, ML4.2, MS3.3/1, Ms1.3/2.1, ms1mx2.9/2.6, Error ellipse: s-maj=39.7km s-min=20.7km az=97.0

ISC 17 06:25:48.3.0.5.37.53S:0105.73:37W:0.09, h23km, n44, r1541/54, mb4.2/13, 14-CD, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CCSP San Pedro de C, TMU Temuco

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CCHI Chillan, COCH Cobquecura, etc.

ISCJB 17 06:31:50.3.2.0.35.90S:0104.73:64W:0.09, h12km, 16km, mb3.8/3, MS3.9/1, Error ellipse: s-maj=12.4km s-min=6.4km az=179.3

GUC 17 06:31:51.7.0.7.35.91S:73:61W, h20km, 8km, ML3.7, IDC 17 06:31:55.4.4.9.35.86S:72:44W, h0km, mb3.8/3, mb1.3/7.5, mb1mx3.6/2.1, mbtmp3.7/5, ML3.5/2, MS3.9/1, Ms1.3/9.1, ms1mx3.2/2.5, Error ellipse: s-maj=139.5km s-min=20.8km az=86.0

ISC 17 06:31:51.4.2.5.35.96S:0107.73:6W:0.11, h13km, 13km, n26, r151/28, mb3.8/3, 4C-2D, Off coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like COCH Cobquecura, CCSP San Pedro de C, CCHI Chillan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AMOG Mognna, AGUA Guandacol, etc.

ISCJB 17 06:49:25.4.0.6.50.27N:0104.18:73E:0.03, h0km, Error ellipse: s-maj=5.6km s-min=2.6km az=15.2

WAR 17 06:49:26.9.50.27N:18:83E, h1km, Mw2.5, CSEM 17 06:49:26.4.0.3.50.27N:18:75E, h1km, ML2.7/5, Error ellipse: s-maj=6.5km s-min=3.0km az=12.0

PRU 17 06:49:27.2.50.25N:18:74E, h0km, ISC 17 06:49:26.3.0.8.50.21N:0104:18:75E:0.02, h0km, n35, r0969/54, Poland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like OKC Ostrava-Krasne, OJC Ojcow, etc.

ISC 17 06:50:33.6.38.72N:43:26E, h5km, ML2.4, ISCJB 17 06:50:35.7.0.5.38.71N:0103:43:30E:0.04, h9km, 6km, Error ellipse: s-maj=5.9km s-min=4.4km az=12.2

CSEM 17 06:50:35.1.0.3.38.71N:43:30E, h8km, ML2.4, Error ellipse: s-maj=6.6km s-min=5.1km az=81.0

DDA 17 06:50:35.3.38.69N:43:31E, h7km, M3.1, ISC 17 06:50:35.8.0.9.38.70N:0103:43:30E:0.03, h14km, 7km, n22, r130/40, Turkey

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

CASC 17 06:52:30.5.3.7.7.98N:104:29W, h10km, mb4.9, mb4.9(NEIC), IDC 17 06:52:38.9.0.9.8:47N:103:06W, h0km, mb4.5/12, mb1.4/7.13, mb1mx4.4/3.2, mbtmp4.5/13, ML4.2.1, MS5.1/28, Ms1.5/12.8, ms1mx0.5/3.2, Error ellipse: s-maj=32.9km s-min=13.6km az=55.0

MOS 17 06:52:39.2.1.2.8:45N:103:03W, h10km, mb4.9/35, MS5.1/36, Error ellipse: s-maj=15.3km s-min=5.8km az=99.6

ISCJB 17 06:52:41.2.0.3.8:52N:103:103:10W:0.03, h19km, Error ellipse: s-maj=15.3km s-min=5.8km az=99.6

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

mb4.8/131, MS5.2/473, Error ellipse: s-maj=5.6km  
 s-min=3.6km az=37.2  
 GCMT 17 06:52:41.3±0.1, 8.47N; 103.44W, h12km, MW5.6/131,  
 Moment Tensor Solution. s123.c216; s131.c349;  
 Duration: 1±6 Moment tensor: Scale 10<sup>17</sup>Nm;  
 M<sub>0</sub>=0.40±0.03; M<sub>1</sub>=1.34±0.03; M<sub>2</sub>=0.94±0.03; M<sub>3</sub>=0.13±0.08;  
 M<sub>4</sub>=0.30±0.03; M<sub>5</sub>=0.72±0.08; Best double couple:  
 M<sub>3</sub> 3.0400×10<sup>17</sup> Np1 1.349 000000; δ88.000000;  
 λ-13.000000; NP2 1.80 000000; δ77.000000;  
 λ-178.000000; Principal axes: T 3.4880, P1g8.000000;  
 Azm35.000000; N -0.3720, P1g77.000000; Azm16.000000;  
 -3.1160, P1g11.000000; Azm304.000000; nsta1 refers to  
 body waves, cutoff=40s. nsta2 refers to surface/mantle  
 waves, cutoff=50s.  
 NEIC 17 06:52:41.3±0.4, 8.42N; 103.16W, h10km, mb4.9/113,  
 MS5.1/300 Error ellipse: s-maj=8.6km s-min=5.0km  
 az=47.0  
 BUJ 17 06:52:42.0, 8.50N; 103.10W, h10km, mb5.6/12, Ms5.6/17,  
 Ms7.5/317  
 ISC 17 06:52:42.9±0.4, 8.44N; 103.12W, h19km, n876,  
 p1860/553, mb4.8/131, MS5.2/474, 2C-2D, Northern East

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
TLIG	Tiapa	10.09	26	eP	Pn	06 55 05.4	-1.6
MOIG	Morelia	11.33	9	ePn	Pn	06 55 26.6	+2.6
UNIM	Universidad Na	11.48	19	eP	Pn	06 55 27.3	+1.2
UNIM	Universidad Na	11.48	19	ePn	Pn	06 55 27.3	+1.2
CMIG	Matias Romero	1.5nm, 0.3s	baz=222, slow=8.8, SNR=22		Pn	06 55 25.5	-4.3
CMIG				LR		06 59 02.2	
TUIG	Janzepell	12.74	41	ePn	Pn	06 55 44.7	+1.5
H06S1	SOCORRO T	12.76	324	T	Pn	07 08 30.9	
H06E1	SOCORRO T-PHAS2	12.77	324	T	Pn	07 08 30.1	
LVIG	Laguna Verde	12.96	29	ePn	Pn	06 55 48.2	+2.0
CCIG	Comitan	13.25	53	ePn	Pn	06 55 48.4	-1.9
ZAIG	Zacatecas	14.26	2	ePn	Pn	06 56 05.5	+1.3
SCIG	Sabanucy	15.61	47	ePn	Pn	06 56 24.1	-1.9
PAYG	Puerto Ayora	15.67	125	ePn	Pn	06 56 25.1	-1.3
SLBS	Sierra La Lagu	16.51	337	ePn	P	06 56 35.0	-1.2
COPN	Copaltepe	16.68	76	eP	Pn	06 56 38.0	0.0
COPN				AMB		06 56 43.0	
LNIG	Linares	16.73	12	ePn	Pn	06 56 37.3	+0.9
MGAN	Managua	17.00	76	eP	Pn	06 56 44.1	+2.5
LPIG	La Paz	17.03	337	LR	LR	07 01 36.2	
ESTN	Estel	17.09	73	eP	AMB	06 56 43.8	+1.2
ESTN				AMB		06 56 48.7	
ACON	Acoyapa	18.00	77	eP	Pn	06 56 56.7	+4.0
JTS	JuntasAbangare	18.02	83	eP	Pn	06 56 56.8	+3.9
TEIG	Tepeich	18.53	49	eP	Pn	06 56 59.1	+0.5
TEIG	Tepeich	18.53	49	eP	Pn	06 56 59.2	+0.6
TEIG				AMB		06 57 05.1	
HPIG	HDC	18.55	353	eP	P	06 56 57.9	-1.0
HDC	Heredia	18.82	84	eP	P	06 57 00.4	-1.4
ESPN	Las Esperanzas	18.88	77	eP	Pn	06 57 04.3	+1.3
034A	Habronville	19.00	12	P	Pn	06 57 04.9	+0.7
833A	Chaparral WMA	20.09	10	P	P	06 57 14.9	-0.5
SRIG	Santa Rosalia	20.67	336	eP	LR	06 57 21.0	-0.7
SRIG				LR			
TY31	Lajitas Ar. Si	20.79	359	eP	Pn	06 57 29.9	+4.3
HSIG		21.76	341	eP	LR	06 57 38.0	+4.5
HSIG				LR			
JCT	Junction City	22.15	8	P	P	06 57 36.4	-1.3
JCT	Junction City	22.15	8	eP	P	06 57 37.0	-0.7
JCT				pmx	pmx		
JCT				MLR	MLR		
JCT	Junction City	22.15	8	eP	P	06 57 37.0	-0.7
JCT				LR	LR		
HKT	Hockley	22.46	17	eP	P	06 57 41.2	+0.3
HKT				pmx	pmx		
HKT				MLR	MLR		
HKT	Hockley	22.46	17	eP	P	06 57 41.2	+0.3
HKT				LR	LR		
435B	Jarell	22.82	12	P	P	06 57 46.3	+1.5
ZANG	Zanguenga, Cho	22.99	87	eP	P	06 57 48.8	+2.0
BCIP	Isa Barro Col	23.02	86	eP	P	06 57 41.4	-5.6
BCIP				ePcP	PcP	07 01 32.7	-3.9
BCIP				LR	LR		
BCIP	Isa Barro Col	23.02	86	eP	P	06 57 48.1	+1.1
MNTX	Cornudas Mount	23.24	355	P	P	06 57 48.0	-1.2
MNTX	Cornudas Mount	23.24	355	eP	P	06 57 47.1	-2.0
MNTX				LR	LR		
EPT	El Paso	23.43	353	PFAKE	LR	06 58 00.0	+8.9
EPT				LR	LR		
319A	Douglas	23.53	347	eP	P	06 57 50.8	-1.4
319A				LR	LR		
336A	Riesel	23.57	14	P	P	06 57 52.8	+0.4
WHTX	Lake Whitney	24.02	12	P	P	06 57 55.1	-1.5
WHTX	Lake Whitney	24.02	12	eP	P	06 57 55.5	-1.2
WHTX				LR	LR		
ABTX	Abilene, Hawle	24.28	7	P	P	06 57 57.9	-1.3
ABTX	Abilene, Hawle	24.28	7	eP	P	06 57 57.3	-1.8
ABTX				LR	LR		
121A	Cookes Peak, D	24.36	350	P	P	06 57 59.4	-0.6
121A	Cookes Peak, D	24.36	350	eP	P	06 57 59.1	-1.0
NATX	Nacogdoches	24.50	18	P	P	06 58 00.1	-1.0
NATX	Nacogdoches	24.50	18	eP	P	06 58 01.4	+0.3
NATX				LR	LR		
238A	Jacksonville	24.60	16	P	P	06 58 01.6	-0.4
TUC	Tucson	24.80	344	P	P	06 58 03.6	-0.3
TUC	Tucson	24.80	344	eP	P	06 58 03.0	-0.9
TUC	Tucson	24.80	344	eP	P	06 58 03.2	-0.7
TUC				LR	LR		
342A	Flagon Creek P	24.94	22	P	P	06 58 05.3	+0.2
240A	Hunter Patters	25.04	19	P	P	06 58 05.9	0.0
214A	Organ Pipe Nat	25.08	340	P	P	06 58 04.9	-1.5
214A	Organ Pipe Nat	25.08	340	eP	P	06 58 04.7	-1.6
214A	Mo Tay, Goldon	25.21	21	P	P	06 58 07.2	-1.2
MSTX	Muleshoe	25.41	1	P	P	06 58 08.9	-0.5
MSTX	Muleshoe	25.41	1	eP	P	06 58 07.8	-1.6
MSTX				LR	LR		

Z36A	Blue Ridge	25.47	13	P	P	06 58 09.8	0.0
Z36A				baz=196			
242A	Grayson	25.62	22	P	P	06 58 11.2	0.0
344A	Westbrook Farm	25.65	25	P	P	06 58 11.7	+0.2
140A	Cam and Jess,	25.66	19	P	P	06 58 11.5	0.0
Y22D	IRIS PASCALL I	25.75	353	P	P	06 58 13.7	+1.1
Y22D	IRIS PASCALL I	25.75	353	eP	P	06 58 12.6	0.0
Y22D				LR	LR		
BNN	Barren Site	25.79	353	eP	P	06 58 12.7	-0.4
Z38A	M. Pleasant	25.82	16	P	P	06 58 11.2	-1.8
141A	Papa Simpson,	25.84	20	P	P	06 58 12.9	-0.3
OTAV	OTAV	25.89	107	eP	P	06 58 14.2	-0.2
OTAV	OTAV	25.89	107	eP	P	06 58 13.4	-1.0
OTAV				LR	LR		
OTAV	OTAV	25.89	107	eP	AMB	06 58 10.1	-4.3
OTAV				AMB		06 58 20.5	
LPM	Los Pinos Moun	25.95	353	eP	P	06 58 12.0	-2.4
Y35A	Marietta	25.96	12	P	P	06 58 14.5	+0.3
LZA	Ladron	26.10	352	eP	P	06 58 14.8	-1.1
Y36A	Durant	26.11	13	P	P	06 58 14.8	-0.9
142A	Monroe	26.13	22	P	P	06 58 14.9	-0.9
113A	Mohawk Valley,	26.14	339	eP	LR	06 58 14.9	-1.1
244A	Avery, Jackson	26.17	24	P	P	06 58 16.2	-0.1
CMBC	Cumbar	26.27	105	eP	P	06 58 22.1	+4.3
Y37A	Hugo	26.34	14	P	P	06 58 18.6	+0.9
AMTX	Amarillo	26.35	3	P	P	06 58 19.0	+1.0
AMTX	Amarillo	26.35	3	eP	P	06 58 17.9	-0.1
AMTX				LR	LR		
VBMS	Vicksburg	26.40	25	PFAKE	LR	06 58 30.0	+1.2
X35A	Drake	26.45	11	P	P	06 58 19.3	+0.6
X35A	Drake	26.45	11	eP	LR	06 58 17.9	-0.9
X35A	Drake	26.45	11	LR	LR		
143A	Socs Landing,	26.47	23	P	P	06 58 18.3	-0.6
WMOK	Wichita Mounta	26.48	8	eP	pmx	06 58 18.1	-0.9
WMOK				pmx			
WMOK				MLR	MLR		
WMOK	Wichita Mounta	26.48	8	eP	P	06 58 18.1	-0.9
WMOK				LR	LR		
ANMO	Albuquerque	26.56	354	P	P	06 58 19.0	-1.0
ANMO				LR	LR		
ANMO	Albuquerque	26.56	354	LR	LR	07 09 04.5	
ANMO	Albuquerque	26.56	354	LR	LR	06 58 18.3	-1.6
ANMO	Albuquerque	26.56	354	LR	LR	06 58 19.1	-0.8
ANMO				pmx	pmx		
ANMO	Albuquerque	26.56	354	eP	P	06 58 19.2	-0.8
MTDJ	Mount Denham	26.69	66	eP	P	06 58 22.5	+1.3
MTDJ				LR	LR		
X18A	Snowflake	26.71	347	eP	LR	06 58 20.9	-0.4
X18A				LR	LR		
WLAR	White Oak Lake	26.77	19	eP	P	06 58 25.3	+3.7
WLAR				LR	LR		
GLA	Glamis	26.78	338	P	P	06 58 20.2	-1.6
GLA	Glamis	26.78	338	eP	P	06 58 20.6	-1.2
GLA				MLR	MLR		
GLA	Glamis	26.78	338	eP	P	06 58 20.6	-1.2
GLA				LR	LR		
IKP	In-Ko-Pah, Jac	26.93	335	P	P	06 58 20.7	-2.6
POPC	Popayan, Colom	26.95	101	eP	P	06 58 24.2	+0.4
Y14A	Wickenburg	26.96	342	eP	LR	06 58 22.8	-0.7
Y14A				LR	LR		
X16A	Lo Mia Camp, P	26.96	345	eP	P	06 58 24.0	+0.4
X16A				LR	LR		
Y40A	Okolona	27.02	18	P	P	06 58 23.2	-0.6
SWSC	Sam W. Stewart	27.07	336	P	P	06 58 24.0	-0.3
BRAL	Brewton	27.13	31	PFAKE	LR	06 58 40.0	+1.5
BRAL				LR	LR		
MOTC	Monterita, Cord	27.14	87	eP	P	06 58 23.8	-1.5
X38A	Whitesboro	27.19	15	P	P	06 58 26.3	+0.9
W35A	Tecumseh	27.20	11	P	P	06 58 26.6	+1.2
W35A	Tecumseh	27.20	11	eP	P	06 58 26.1	+0.7
W35A				LR	LR		
BAR	Barrett	27.20	334	eP	P	06 58 25.5	-0.1
BAR				LR	LR		
X39A	Fountain Ranch	27.23	16	P	P	06 58 26.7	+0.9
W18A	Petrified Fore	27.24	348	P	P	06 58 25.5	-0.5
W18A	Petrified Fore	27.24	348	eP	P	06 58 25.7	-0.3
W18A				LR	LR		
MONP2	Monument Peak	27.27	335	P	P	06 58 26.7	+0.2
Y12C	Blythe	27.30	339	P	P	06 58 26.4	0.0
Y12C	Blythe	27.30	339	eP	P	06 58 26.9	+0.5
Y12C				LR	LR		
W36A	Wetumka	27.32	12	P	P	06 58 26.5	0.0
W36A	Wetumka	27.32	12	eP	P	06 58 25.2	-1.3
W36A				LR	LR		
Z44A	Pea Ridge, Bel	27.36	24	P	P	06 58 26.3	-0.6
MIAR	Mount Ida	27.42	17	P	P	06 58 26.2	-1.3
MIAR	Mount Ida	27.42	17	eP	pmx	06 58 26.2	

MVCO	comp=Z,3um,19.0s	LR	LR		
U15A	North Rim	29.09 345	eP	P	06 58 41.1 -1.6
U15A	comp=Z,3um,18.0s		LR		
ATAH	Atahualpa	29.10 121	P	P	06 58 45.0 +1.9
ATAH	comp=Z,3.3nm,0.8s,baz=295,slow=11,SNR=3.8		LR		07 08 03.5
MWC	Mount Wilson	29.11 334	eP	P	06 58 42.8 0.0
MWC	comp=Z,74nm,1.8s		MLR	MLR	
MWC	comp=Z,3um,20.0s		MLR	MLR	
MWC	Mount Wilson	29.11 334	eP	P	06 58 42.8 0.0
MWC	comp=Z,74nm,1.8s		MLR	MLR	
PASC	comp=Z,3um,20.0s		LR	LR	
PASC	Pasadena Art C	29.12 334	eP	P	06 58 43.3 +0.6
PASC	comp=Z,29nm,1.4s		LR	LR	
MET	Memphis-Engin	29.18 23	PFAKE	LR	06 59 00.0 +17
MET	comp=Z,900nm,19.0s		LR	LR	
TIGA	Tifton	29.23 36	PFAKE	LR	06 59 00.0 +16
TIGA	comp=Z,3um,22.0s		LR	LR	
T36A	Boggs Farm, Ca	29.24 12	P	P	06 58 42.4 -1.2
T36A	baz=195		P	P	
SDCO	Great Sand Dun	29.25 356	P	P	06 58 43.1 -1.0
SDCO	Great Sand Dun	29.25 356	eP	LR	06 58 43.7 -0.5
SDCO	baz=175		LR	LR	
DECC	Green Verdugo	29.26 334	P	P	06 58 42.6 -1.3
DECC	baz=148		P	P	
V42A	Cord	29.27 20	P	P	06 58 43.4 -0.6
V42A	baz=204		P	P	
HBAR	Harrisburg	29.30 21	PFAKE	LR	06 59 00.0 +16
HBAR	comp=Z,3um,18.0s		LR	LR	
TUQ	Turquoise Moun	29.32 338	P	P	06 58 44.1 -0.4
TUQ	baz=154		P	P	
U40A	Yellville	29.32 17	P	P	06 58 44.7 +0.3
U40A	comp=Z,3um,21.0s		P	P	
S22A	4UR Ranch, Cre	29.37 354	P	P	06 58 44.0 -1.2
S22A	baz=173,SNR=6.5		P	P	
S22A	4UR Ranch, Cre	29.37 354	eP	LR	06 58 44.4 -0.8
S22A	comp=Z,2um,22.0s		LR	LR	
GTBY	Guantanamo Bay	29.40 64	PFAKE	LR	06 59 00.0 +15
GTBY	comp=Z,3um,20.0s		LR	LR	
BLG	Laguna Peak, P	29.47 332	P	P	06 58 45.3 -0.5
BLG	baz=147		P	P	
GSC	Goldstone, Bar	29.53 337	P	P	06 58 46.0 -0.4
GSC	baz=152		P	P	
GSC	Goldstone, Bar	29.53 337	eP	P	06 58 47.1 +0.7
GSC	comp=Z,32nm,1.7s		P	P	
GSC	comp=Z,6um,19.0s		P	P	
GSC	Goldstone, Bar	29.53 337	eP	P	06 58 47.1 +0.7
GSC	comp=Z,32nm,1.7s		LR	LR	
T38A	Diamond	29.57 14	P	P	06 58 44.9 -1.8
T38A	baz=198		P	P	
U41A	Viola	29.59 19	P	P	06 58 46.2 -0.6
U41A	baz=203		P	P	
S34A	Willow Spring	29.63 10	P	P	06 58 45.7 -1.5
S34A	baz=192		P	P	
EDW2	Edwards Air Fo	29.65 335	P	P	06 58 46.0 -1.4
EDW2	baz=149,SNR=5.5		P	P	
OSI	Osito Audit: C	29.74 333	eP	P	06 58 48.3 +0.1
OSI	comp=Z,11nm,0.9s		LR	LR	
OSI	comp=Z,4um,18.0s		LR	LR	
KNB	Kanab	29.78 344	eP	MLR	06 58 47.7 -1.0
KNB	comp=Z,3um,20.0s		MLR	MLR	
KNB	Kanab	29.78 344	eP	P	06 58 47.6 -1.0
KNB	comp=Z,3um,20.0s		P	P	
T39A	Clever	29.80 16	P	P	06 58 47.2 -1.5
T39A	baz=200		P	P	
PLAL	Pickwick Lake	29.80 25	eP	P	06 58 50.3 +1.6
PLAL	comp=Z,12nm,1.0s		LR	LR	
PLAL	comp=Z,2um,22.0s		LR	LR	
SHOC	Shoshone, Teco	29.86 338	P	P	06 58 47.7 -1.5
SHOC	baz=153		P	P	
GNAR	Gosnell	29.89 22	PFAKE	LR	06 59 00.0 +11
GNAR	comp=Z,4um,19.0s		LR	LR	
LCMT	Little Creek M	29.89 344	eP	P	06 58 49.7 +0.1
LCMT	comp=Z,15nm,1.0s		LR	LR	
LCMT	comp=Z,4um,18.0s		LR	LR	
RUSC	La Rusia	29.90 93	eP	P	06 58 52.0 +1.6
RUSC	La Rusia	29.90 93	eP	P	06 58 51.9 +1.5
RUSC	comp=Z,33nm,1.5s		LR	LR	
RUSC	comp=Z,1um,21.0s		LR	LR	
PV01	Paradox Valley	29.97 351	eP	P	06 58 50.1 -0.4
SHPR	Sheep Range	30.01 340	eP	P	06 58 50.8 +0.1
SHPR	comp=Z,11nm,1.5s		LR	LR	
LRMC	Laurel Mtn Rad	30.03 336	P	P	06 58 50.7 -0.2
LRMC	baz=150		P	P	
PKCU	Pink Cliffs	30.05 345	PFAKE	LR	06 59 00.0 +8.7
PKCU	comp=Z,5um,20.0s		LR	LR	
HALT	Halls	30.10 23	PFAKE	LR	06 59 00.0 +8.7
HALT	comp=Z,2um,18.0s		LR	LR	
S37A	Fort Scott	30.14 13	P	P	06 58 51.4 -0.3
S37A	baz=196		P	P	
PAMC	Pampuna, Colo	30.14 90	eP	P	06 58 52.5 -0.1
T40A	Mansfield	30.16 17	P	P	06 58 51.5 -0.3
T40A	baz=201		P	P	
R34A	Isabella, Hill	30.20 9	P	P	06 58 50.7 -1.5
R34A	baz=192		P	P	
ARVC	Arvin	30.21 334	P	P	06 58 51.4 -1.0
ARVC	baz=148		P	P	
S38A	Stockton	30.23 15	P	P	06 58 51.3 -1.2
S38A	baz=198		P	P	
PV04	Paradox Valley	30.28 351	eP	P	06 58 51.7 -1.4
T41A	Mountain View	30.28 18	P	P	06 58 51.2 -1.7
T41A	comp=Z,203,SNR=5.9		P	P	
CBKS	Cedar Bluff	30.39 5	PFAKE	LR	06 59 10.0 +16
CBKS	comp=Z,11um,20.0s		LR	LR	
SZCU	Shurtz Canyon	30.40 344	eP	P	06 58 55.5 +1.4
SZCU	comp=Z,16nm,1.5s		LR	LR	
SZCU	comp=Z,4um,18.0s		LR	LR	
PVMO	Portageville	30.41 22	PFAKE	LR	06 59 10.0 +16
PVMO	comp=Z,4um,18.0s		LR	LR	
PV09	Paradox Valley	30.41 351	eP	P	06 58 56.8 +2.4
CCUT	Cedar City	30.43 344	eP	P	06 58 54.9 +0.4
CCUT	comp=Z,7.6nm,0.9s		LR	LR	
GLAT	Glass	30.43 22	PFAKE	LR	06 59 10.0 +16
GLAT	comp=Z,2um,18.0s		LR	LR	
S39A	Bolivar	30.44 15	P	P	06 58 52.6 -1.7
S39A	baz=199		P	P	
KSCO	Kaye Shedlock'	30.44 1	P	P	06 58 53.7 -0.8
KSCO	baz=181		P	P	
KSCO	Kaye Shedlock'	30.44 1	eP	P	06 58 57.5 +3.0
KSCO	comp=Z,15um,19.0s		LR	LR	
Q24A	Divide	30.45 357	eP	P	06 58 60.0 +5.2
Q24A	comp=Z,13um,21.0s		P	P	
PKM	Mcperson Peak	30.46 332	P	P	06 58 52.6 -2.2
PKM	baz=146		P	P	
MPMC	Manual Prospec	30.46 337	P	P	06 58 53.7 -1.0
MPMC	baz=151,SNR=6.9		P	P	
PBMO	Poplar Bluff	30.48 20	PFAKE	LR	06 59 10.0 +15
PBMO	comp=Z,3um,21.0s		LR	LR	

424A	Van Buren	30.48 19	P	P	06 58 53.5 -1.2
424A	baz=204		P	P	
ISA	Isabella, Lake	30.52 335	P	P	06 58 52.9 -2.2
ISA	baz=149		P	P	
ISA	Isabella, Lake	30.52 335	eP	P	06 58 58.6 +3.5
ISA	comp=Z,13nm,1.2s		MLR	MLR	
ISA	comp=Z,2um,20.0s		LR	LR	
ISA	Isabella, Lake	30.52 335	eP	P	06 58 58.6 +3.5
ISA	comp=Z,13nm,1.2s		LR	LR	
R36A	Gordon, Harris	30.54 12	P	P	06 58 55.2 0.0
R36A	baz=195		P	P	
FURC	Furnace Creek,	30.58 338	P	P	06 58 53.8 -1.7
FURC	baz=153		P	P	
S40A	Lebanon	30.58 17	P	P	06 58 53.5 -2.0
S40A	baz=201		P	P	
MTPU	Mount Pierson	30.59 346	eP	P	06 58 56.6 +0.6
MTPU	comp=Z,4um,20.0s		LR	LR	
MTPU	PARMO	30.61 21	PFAKE	LR	06 59 10.0 +14
MTPU	PARMO	comp=Z,3um,21.0s	LR	LR	
YOPC	Yopai, Colombi	30.62 94	eP	P	06 59 02.2 +5.9
R37A	Teagarden Farm	30.67 13	P	P	06 58 55.2 -1.1
R37A	baz=196		P	P	
DAC	Darwin (Calif)	30.69 337	eP	P	06 58 56.8 0.0
DAC	comp=Z,5um,18.0s		MLR	MLR	
DAC	Darwin (Calif)	30.69 337	eP	P	06 58 56.8 0.0
DAC	comp=Z,5um,18.0s		P	P	
GOGA	Godfrey	30.77 33	eP	P	06 59 02.8 +5.5
GOGA	comp=Z,13nm,0.9s		P	P	
GOGA	Godfrey	30.77 33	eP	P	06 59 02.8 +5.5
GOGA	comp=Z,13nm,0.9s		LR	LR	
TPNV	Topopah Spring	30.79 339	P	P	06 58 57.2 -0.4
TPNV	baz=155		P	P	
TPNV	Topopah Spring	30.79 339	eP	MLR	06 58 57.9 +0.3
TPNV	comp=Z,3um,20.0s		MLR	MLR	
TPNV	Topopah Spring	30.79 339	eP	P	06 58 57.9 +0.3
TPNV	comp=Z,3um,20.0s		LR	LR	
S41A	Jillco Farms,	30.79 18	P	P	06 58 55.9 -1.5
S41A	baz=202		P	P	
SMCO	Snowmass	30.80 354	eP	P	06 58 58.0 +0.1
SMCO	comp=Z,19nm,1.1s		LR	LR	
SMCO	comp=Z,5um,18.0s		LR	LR	
T43A	Greenville	30.80 20	P	P	06 58 56.9 -0.6
T43A	baz=205		P	P	
URIC	Uribia, Colomb	30.80 81	eP	P	06 58 56.8 -1.0
Q34A	Chapman	30.85 9	P	P	06 58 58.4 +0.4
Q34A	baz=192,SNR=5.1		P	P	
WVT	Waverly	30.89 25	eP	P	06 59 03.4 +5.1
WVT	comp=Z,3um,20.0s		MLR	MLR	
WVT	Waverly	30.89 25	eP	P	06 59 03.4 +5.1
WVT	comp=Z,3um,20.0s		LR	LR	
Q35A	Mercer Eighty,	30.95 11	P	P	06 58 57.0 -1.8
Q35A	baz=194		P	P	
CWC	Cottonwood Cre	31.02 336	P	P	06 58 58.9 -0.8
CWC	baz=150		P	P	
MSU	Marysvalle	31.04 346	eP	P	06 59 00.7 +0.9
MSU	Marysvalle	31.04 346	eP	P	06 59 00.7 +0.9
KSU1	Kansas State U	31.08 10	P	P	06 58 58.2 -1.7
KSU1	baz=193		P	P	
KSU1	Kansas State U	31.08 10	eP	P	06 58 59.6 -0.4
KSU1	comp=Z,15nm,1.2s		LR	LR	
Q36A	Arnold C. Orve	31.16 12	P	P	06 59 01.0 +0.3
Q36A	baz=195		P	P	
TCRU	Three Creeks R	31.19 346	PFAKE	LR	06 59 10.0 +8.8
TCRU	comp=Z,4um,18.0s		LR	LR	
Q16A	Castle Valley	31.20 348	eP	P	06 59 01.7 +0.4
Q16A	comp=Z,4um,20.0s		LR	LR	
GRAC	Grapevine Rang	31.23 338	P	P	06 59 01.9 +0.6
GRAC					

17d 6h

L32A	Elgin	33.73	7	P	P	06 59 23.2	0.0
SPUT	South Promonto	33.77	347	eP	P	06 59 24.1	+0.5
SPUT	comp=Z,2um,20.0s			LR	LR		
L34A	Svendsen Farm,	33.92	9	P	P	06 59 24.8	0.0
PNTR	Pine Nut	33.92	337	eP	P	06 59 25.4	+0.3
ELK	Elko	33.93	343	eP	P	06 59 26.1	+1.0
M38A	Pleasantville	34.00	13	P	P	06 59 25.2	-0.3
BLO	Bloomington	34.03	23	PFAKE	LR	06 59 40.0	+1.4
BLO	comp=Z,2um,20.0s			LR	LR		
O44A	Mansfield	34.18	20	P	P	06 59 26.5	-0.6
L35A	Blow Farm, R	34.20	10	P	P	06 59 27.8	+0.6
K22A	Casper	34.21	356	P	P	06 59 27.4	0.0
K22A	Casper	34.21	356	PFAKE	LR	06 59 40.0	+1.3
BMN	Battle Mountai	34.25	341	eP	P	06 59 27.6	-0.3
BMN	comp=Z,9.0nm,0.9s			pmax	pmax		
BMN	comp=Z,2um,21.0s			MLR	MLR		
BMN	Battle Mountai	34.25	341	eP	P	06 59 27.6	-0.3
BMN	comp=Z,8.8nm,0.9s						
K31A	O'Neill	34.26	6	P	P	06 59 26.3	-1.5
HDIL	Hopedale	34.27	19	P	P	06 59 26.6	-1.2
HDIL	comp=Z,7.8nm,1.2s						
HDIL	Hopedale	34.27	19	eP	P	06 59 28.2	+0.4
HDIL	comp=Z,3um,21.0s			LR	LR		
HVU	Hansel Valley	34.29	347	eP	MLR	06 59 28.4	+0.2
HVU	comp=Z,2um,19.0s			MLR	MLR		
HVU	Hansel Valley	34.29	347	eP	P	06 59 28.4	+0.2
HVU	comp=Z,2um,19.0s			LR	LR		
N42A	Yates City	34.29	18	P	P	06 59 26.8	-1.2
M39A	Webster	34.30	15	P	P	06 59 26.9	-1.2
AFDM	Forest Hills D	34.35	335	eP	P	06 59 31.7	+3.1
AFDM	comp=Z,4.0nm,0.9s			LR	LR		
PAHR	Pat Rah Range	34.37	337	eP	P	06 59 29.7	+0.8
PAHR	comp=Z,2um,22.0s			LR	LR		
PAHR	Pat Rah Range	34.37	337	eP	P	06 59 29.7	+0.8
PAHR	comp=Z,12nm,1.2s			LR	LR		
K32A	Verdigre	34.38	7	P	P	06 59 27.9	-0.9
M40A	Post Highland	34.41	16	P	P	06 59 29.6	+0.6
K33A	Hardington	34.45	8	P	P	06 59 29.4	0.0
SCIA	State Center	34.46	13	PFAKE	LR	06 59 40.0	+1.1
SCIA	comp=Z,4um,22.0s			LR	LR		
MCCM	Marconi Confer	34.54	332	PFAKE	LR	06 59 40.0	+1.0
MCCM	comp=Z,4um,19.0s			LR	LR		
L37A	Phoenix Point,	34.55	12	P	P	06 59 30.0	-0.3
BW06	Boulder Array	34.66	352	P	P	06 59 30.0	-1.4
BW06	comp=Z,2.6nm,1.0s			P	P	06 59 29.9	-1.6
PD31	Pinedale Array	34.66	352	eP	P	06 59 30.0	-1.4
PDAR	Pinedale Array	34.66	352	eP	P	06 59 30.4	-1.1
PDAR	comp=Z,13nm,0.9s,baz=165,slow=7.0,SNR=26			LR	LR	07 12 12.2	
PDAR	comp=Z,1um,19.8s,baz=190,slow=34						
PDAR	Pinedale Array	34.66	352	eP	P	06 59 29.5	-1.9
K34A	Le Mars	34.67	9	P	P	06 59 30.5	-0.6
K35A	Storm Lake	34.84	10	P	P	06 59 31.9	-0.9
SFIN	Lafayette	34.87	22	PFAKE	LR	06 59 50.0	+1.7
SFIN	comp=Z,3um,20.0s			LR	LR		
BEKR	Beckworth	34.88	336	eP	P	06 59 34.5	+1.1
BEKR	comp=Z,5um,19.0s			LR	LR		
K36A	Gilmore City	34.91	11	P	P	06 59 33.3	0.0
L39A	Vinton	34.95	14	P	P	06 59 34.0	+0.3
GDXM	Geysers	35.03	333	PFAKE	LR	06 59 50.0	+1.5
GDXM	comp=Z,5um,20.0s			LR	LR		
ORV	Oroville	35.09	335	eP	P	06 59 35.6	+0.7
ORV	comp=Z,20nm,1.1s			pmax	pmax		
ORV	comp=Z,2um,19.0s			MLR	MLR		
ORV	Oroville	35.09	335	eP	P	06 59 35.6	+0.7
ORV	comp=Z,20nm,1.1s			LR	LR		
J32A	Parkston	35.10	7	P	P	06 59 34.7	-0.3
K37A	Belmond	35.19	12	P	P	06 59 34.6	-1.2
BLA	Blacksburg	35.27	32	eP	P	06 59 36.3	-0.3
BLA	comp=Z,20nm,0.9s			pmax	pmax		
BLA	comp=Z,2um,20.0s			MLR	MLR		
BLA	Blacksburg	35.27	32	eP	P	06 59 36.3	-0.3
BLA	comp=Z,20nm,0.9s			LR	LR		
J34A	George	35.27	9	P	P	06 59 34.7	-1.8
CNNC	Cliffs of the	35.28	37	PFAKE	LR	06 59 50.0	+1.3
HONS	Hopland Field	35.31	333	PFAKE	LR	06 59 50.0	+1.3
HONS	comp=Z,4um,19.0s			LR	LR		
REDW	Red Top Meadow	35.44	350	eP	P	06 59 37.8	-0.4
REDW	comp=Z,1.8nm,1.0s			LR	LR		
L42A	Oliver, Polo	35.48	17	P	P	06 59 37.9	-0.3
SNOW	Snow King Moun	35.52	350	eP	P	06 59 39.5	+0.6
SNOW	comp=Z,15nm,0.9s			LR	LR		
K39A	Oelwein	35.53	14	P	P	06 59 38.4	-0.3
RSSD	Black Hills	35.55	359	P	P	06 59 38.8	-0.4
RSSD	comp=Z,10.0nm,1.0s			pmax	pmax		
RSSD	Black Hills	35.55	359	eP	P	06 59 44.1	+5.0
RSSD	comp=Z,10um,19.0s			MLR	MLR		
RSSD	Black Hills	35.55	359	eP	P	06 59 44.1	+4.9
RSSD	comp=Z,10um,19.0s			LR	LR		
TPAW	Teton Pass	35.58	350	eP	P	06 59 41.1	+1.7
TPAW	comp=Z,9.1nm,0.9s			LR	LR		
J36A	Seneca 1, Swea	35.59	11	P	P	06 59 38.3	-0.9
ECSD	EROS Data Cent	35.61	8	P	P	06 59 38.8	-0.6
ECSD	comp=Z,28nm,1.5s						
ECSD	EROS Data Cent	35.61	8	eP	P	06 59 39.3	-0.2
ECSD	comp=Z,2um,21.0s			LR	LR		
LOHW	Long Hollow	35.64	351	eP	P	06 59 40.2	+0.3
LOHW	comp=Z,20nm,1.0s						

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I31A	Royce, Wessing	35.68	6	P	P	06 59 39.6	-0.3
K40A	Colesburg	35.71	15	P	P	06 59 39.1	-1.2
J37A	Redens Farm,	35.73	12	P	P	06 59 38.9	-1.5
FXWY	Fox Creek	35.74	350	eP	P	06 59 40.3	-0.4
FXWY	comp=Z,2um,19.0s			LR	LR		
MOOV	Moose Ponds	35.80	351	eP	P	06 59 41.4	+0.2
MOOV	comp=Z,13nm,1.3s			LR	LR		
MOOV	comp=Z,3um,19.0s			LR	LR		
O03D	Coleman	35.83	335	P	P	06 59 39.2	-2.3
RPN	Rapa Uni	35.87	189	PFAKE	LR	06 59 50.0	+8.3
RPN	comp=Z,12um,20.0s			LR	LR		
I33A	Coleman	35.90	8	P	P	06 59 40.0	-1.8
IMW	Indian Meadow	35.98	350	eP	P	06 59 43.8	+0.9
IMW	comp=Z,15nm,1.1s			LR	LR		
IMW	comp=Z,3um,19.0s			LR	LR		
I35A	Creekview Farm	35.99	10	P	P	06 59 42.3	-0.3
I34A	Hadley	36.02	9	P	P	06 59 41.1	-1.8
KCPM	Cahto Peak	36.10	333	PFAKE	LR	07 00 00.0	+1.6
KCPM	comp=Z,4um,21.0s			LR	LR		
JFWS	Jewell Farm	36.15	16	PFAKE	LR	07 00 00.0	+1.6
JFWS	comp=Z,4um,20.0s			LR	LR		
MPR	Mayaguez	36.27	71	PFAKE	LR	07 00 00.0	+1.5
MPR	comp=Z,2um,18.0s			LR	LR		
H32A	Carlson Farm,	36.27	7	P	P	06 59 42.9	-2.1
YPP	Pitchstone Pla	36.32	351	eP	P	06 59 48.5	+2.8
I36A	Fitzsimmons Fa	36.32	11	P	P	06 59 44.3	-1.2
HLID	Hailey	36.36	346	P	P	06 59 45.5	-0.5
HLID	comp=Z,16m,1.1s			eP	P	06 59 46.0	0.0
HLID	comp=Z,3um,18.0s			LR	LR		
WDC	Whiskeytown Da	36.38	335	PFAKE	LR	07 00 00.0	+1.4
WDC	comp=Z,2um,18.0s			LR	LR		
ACSO	Alum Creek Sta	36.40	26	PFAKE	LR	07 00 00.0	+1.4
ACSO	comp=Z,2um,19.0s			LR	LR		
H17A	Grant Village	36.40	351	P	P	06 59 45.3	-1.1
H17A	comp=Z,13nm,1.3s			LR	LR		
H17A	Grant Village	36.40	351	eP	P	06 59 51.4	+5.0
H17A	comp=Z,5um,18.0s			LR	LR		
I37A	Lemond, Waseca	36.44	12	P	P	06 59 47.6	+1.2
YFT	Old Faithful	36.50	351	eP	P	06 59 50.9	+3.7
WVOR	Wild Horse Val	36.51	341	eP	pmax	06 59 47.2	-0.1
WVOR	comp=Z,8.0nm,0.9s			pmax	pmax		
WVOR	Wild Horse Val	36.51	341	eP	P	06 59 47.2	-0.1
WVOR	comp=Z,7.7nm,0.9s			MLR	MLR		
WVOR	Wild Horse Val	36.51	341	eP	P	06 59 47.2	-0.1
WVOR	comp=Z,3um,19.0s			LR	LR		
H33A	Prenh Over Nor	36.53	8	P	P	06 59 46.6	-0.6
LKWY	Lake	36.54	354	PFAKE	LR	07 00 00.0	+1.2
LKWY	comp=Z,5um,18.0s			LR	LR		
MFID	Camas Ranch	36.57	344	eP	P	06 59 48.7	+0.9
MFID	comp=Z,12nm,1.0s			LR	LR		
KMRM	Mail Ridge	36.59	333	eP	P	06 59 51.5	+3.6
KMRM	comp=Z,22nm,0.9s			LR	LR		
MOD	Modoc Plateau	36.62	338	eP	P	06 59 50.0	+1.7
MOD	comp=Z,24nm,1.2s			LR	LR		
J41A	Loganville	36.63	16	P	P	06 59 48.1	0.0
I39A	Houston	36.70	14	P	P	06 59 48.4	-0.3
YMR	Madison River	36.73	351	eP	P	06 59 52.4	+3.1
YHH	Holmes Hill	36.83	351	eP	P	06 59 50.8	+0.6
H35A	Sunnyside Ranc	36.83	10	P	P	06 59 49.2	-0.6
YHB	Horse Butte	36.85	350	eP	P	06 59 53.4	+3.1
RLMT	Red Lodge	36.93	353	PFAKE	LR	07 00 00.0	+9.1
RLMT	comp=Z,5um,20.0s			LR	LR		
I40A	Norwalk	36.96	15	P			







Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like PMG Port Moresby, AS31 Alice Springs, ASAR Alice Springs, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like MAKZ Makanchi, YAK Yakutsk, AAK Ala-Archa, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like 319A Douglas, ABTX Abilene, Hawley, NATX Nacocoche, etc.







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

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like STHS Stebnicka Huta, OJC Ojcow, OJC Ojcow, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like FETA Feichten, DAVA Damuels, M35A Neola, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes station LJU 17 08:44:35.3, 45°28'N-14°63'E, h14km, MLO.9.

ISK 17 08:51:30.8, 38°47'N-43°02'E, h5km, ML3.0
ATA 17 08:51:31.5, 38°47'N-42°97'E, h9km, MD3.6, ML3.3, MW3.5(DDA)

ISCJB 17 08:51:32.5, 0.5, 38°46'N-0°02'43.04'E, 0.04, h7km, 5km, Error ellipse: s-maj=4.9km s-min=3.9km az=26.9

DDA 17 08:51:32.2, 38°48'N-43°03'E, h7km, ML3.1
CSEA 17 08:51:32.2, 0.2, 38°46'N-43°07'E, h8km, ML3.1, Error ellipse: s-maj=4.4km s-min=4.0km az=170.0

ISC 17 08:51:32.7, 1.0, 38°48'N-0°02'43.02'E, 0.02, h3km, gkm, n72, c1919/100, 1C-1D, Turkey

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

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KARACOBAN, HANUR-AGRY, DIYADIN, VAN, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HAKT, HAKKARI, VAN, GEVAS, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like VANDA, SBA, QSPA, KSRS, etc.

GUC 17 08:52:25.1±0.5, 35.96Sx73.57W, h48km, 8km, ML3.7

IDC 17 09:10:03.7±0.8, 38.74N, 02.43E, h10km, n24, r1590/31, 2C, Off coast of central Chile

IDC 17 09:13:58.7±0.8, 21.90Sx170.28E, h0km, mb4.4/12, mb1.4/5/16, mb1mx4.4/32, mbtmp4.5/16, ML4.4, MS3.9/11, MS1.3/9/11, ms1mx3.7/30, Error ellipse: s-maj=20.3km

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like COCH, CCSP, GO05, CANA, etc.

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

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KECS, LANS, DPC, VYHS, etc.

ISCJB 17 08:53:07.0±0.5, 38.73N, 02.43E, h9km, 4km, Error ellipse: s-maj=6.2km s-min=3.7km az=1.6

CSEM 17 08:53:06.2±0.2, 38.72N, 03.63E, h10km, ML2.8, Error ellipse: s-maj=1.6km s-min=3.9km az=91.0

DDA 17 08:53:06.7, 38.73N, 03.60E, h7km, ML2.9

ISC 17 08:53:06.7, 38.74N, 03.64E, h10km, ML2.8

ISC 17 08:53:06.9±0.9, 38.74N, 02.43E, h15km, 7km, n24, r1502/42, Turkey

IDC 17 09:17:59.6±0.6, 4.11N, 127.98E, h0km, mb4.3/17, mb4.4/17, mb1mx4.2/11, mbtmp4.3/17, Error ellipse: s-maj=33.8km s-min=12.2km az=83.0

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

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MRSI Marisa, LUWI Luwuk, and various other observatory codes.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AAK Ala-Archa, GEVA Gevas, and various other observatory codes.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, and various other observatory codes.



17d 9h

MDJ	comp=Z,2um,12.1s	LR	LR						
MDJ	comp=Z,2um,11.4s	LR	LR						
MDJ	comp=Z,2um,11.4s	12.82 317	eP	Pn	09 46 06.4 +2.1				
HABR	comp=Z,2um,11.4s	13.64 341	eP	Pn	09 46 13.5 -1.9				
HABR	comp=Z,2um,11.4s		eS	Sn	09 48 43.8 -2.1				
HABR	comp=Z,2um,11.4s		pmax	pmax					
HABR	comp=E,38nm,2.0s								
HABR	comp=Z,59nm,2.0s								
HABR	comp=N,30nm,2.0s								
HABR	comp=Z,699nm,13.0s								
CN2	comp=Z,10.0nm,0.6s	14.87 308	eP	Pn	09 46 31.0 -1.1				
CN2	comp=Z,10.0nm,0.6s		eS	Sn	09 49 08.0 -7.8				
CN2	comp=Z,2um,12.0s								
CN2	comp=Z,2um,12.0s								
CN2	comp=Z,2um,12.0s								
TYV	comp=Z,700nm,12.0s	15.12 2	eP	P	09 46 39.2 -1.2				
TYV	comp=Z,700nm,12.0s		eS	Sn	09 49 23.6 +1.6				
TYV	comp=Z,800nm,3.3s								
TYV	comp=Z,36nm,1.1s								
TYV	comp=N,49nm,2.5s								
TYV	comp=E,1um,4.0s								
TYV	comp=Z,3um,16.0s								
KLR	comp=Z,0.0nm,0.3s,baz=142,slo=9.9,SNR=6.2	15.33 335	Pn	Pn	09 46 35.0 -3.3				
Kul'dur	comp=Z,0.0nm,0.3s,baz=142,slo=9.9,SNR=6.2		PP	PP	09 46 53.1 +2.1				
Shenyang	comp=Z,32nm,1.1s	15.39 299	eP	Pn	09 46 38.8 -0.3				
SNY	comp=Z,32nm,1.1s								
SNY	comp=Z,32nm,1.1s								
SNY	comp=Z,32nm,1.1s								
SNY	comp=Z,32nm,1.1s								
SNY	comp=Z,32nm,1.1s								
DL2	comp=Z,4um,11.8s	16.30 287	P	Pn	09 46 49.5 -1.3				
DL2	comp=Z,4um,11.8s		eS	Sn	09 49 49.6 -1.1				
DL2	comp=Z,70nm,1.6s								
DL2	comp=Z,460nm,4.6s								
DL2	comp=Z,3um,12.7s								
DL2	comp=Z,2um,13.9s								
DL2	comp=Z,2um,10.9s								
SSE	comp=Z,2um,10.9s	17.76 261	P	Pn	09 47 07.9 -1.3				
SSE	comp=Z,2um,10.9s		eP	PP	09 47 16.4 -0.9				
SSE	comp=Z,2um,10.9s		eS	Sn	09 47 20.5 -0.4				
SSE	comp=Z,2um,10.9s				09 50 26.8 +0.5				
SSE	comp=Z,39nm,0.6s								
SSE	comp=Z,250nm,3.9s								
SSE	comp=Z,3um,14.0s								
SSE	comp=Z,1um,14.0s								
SSE	comp=Z,2um,20.1s								
NJ2	comp=Z,19nm,0.8s	19.34 266	eP	Pn	09 47 27.1 0.0				
NJ2	comp=Z,19nm,0.8s		eS	Sn	09 51 05.6 +1.2				
NJ2	comp=Z,3um,10.8s								
NJ2	comp=Z,1um,7.6s								
NJ2	comp=Z,1um,7.6s								
TIA	comp=Z,2um,12.0s	19.91 279	eP	P	09 47 31.1 -2.3				
TIA	comp=Z,2um,12.0s								
TIA	comp=Z,20nm,1.4s								
TIA	comp=Z,440nm,10.0s								
TIA	comp=Z,2um,14.0s								
TIA	comp=Z,2um,13.0s								
TIA	comp=Z,2um,12.0s								
BJJ	comp=Z,2um,12.0s	20.59 290	P	S	09 47 37.4 -3.3				
BJJ	comp=Z,2um,12.0s				09 51 22.3 -7.2				
BJJ	comp=Z,34nm,1.6s								
BJJ	comp=Z,290nm,3.2s								
BJJ	comp=Z,2um,12.2s								
BJJ	comp=Z,1um,11.8s								
BJT	comp=Z,1um,31.1s	20.60 290	eP	P	09 47 38.6 -2.2				
BJT	comp=Z,63nm,1.0s								
BJT	comp=Z,63nm,1.0s								
PEA0B	comp=Z,63nm,1.0s	20.68 28	eP	Pn	09 47 43.5 -0.6				
PETK	comp=Z,21nm,0.9s,baz=187,slo=9.0,SNR=8.4	20.68 28	P	P	09 47 42.6 +1.0				
PETK	comp=Z,20nm,1.1s	20.68 28	eP	P	09 47 42.6 +1.0				
PETK	comp=Z,20nm,1.1s	20.68 28	eP	P	09 47 42.9 +1.3				
PETK	comp=Z,20nm,1.1s	20.68 28	eP	P	09 47 42.9 +1.3				
PEA1	comp=Z,20nm,1.1s	20.69 28	eP	P	09 47 42.6 +1.0				
PET	comp=Z,44nm,1.0s	20.99 29	eP	P	09 47 48.3 +3.4				
HIA	comp=Z,55nm,1.4s	21.00 317	eP	P	09 47 46.3 +1.1				
HIA	comp=Z,55nm,1.4s	21.00 317	eP	P	09 47 46.2 +1.1				
SSLB	comp=Z,55nm,1.4s	21.57 242	eP	P	09 47 48.8 -2.7				
GUMO	comp=Z,147nm,1.9s	22.24 172	eP	P	09 47 58.2 -0.4				
GUMO	comp=Z,599nm,1.1s	22.24 172	eP	P	09 47 58.2 -0.4				
GUMO	comp=Z,599nm,1.1s	22.24 172	eP	P	09 47 58.2 -0.4				
WHN	comp=Z,3um,11.9s	23.47 265	P	S	09 48 10.3 -0.9				
WHN	comp=Z,3um,11.9s				09 52 16.3 -6.8				
WHN	comp=Z,5um,13.4s								
WHN	comp=Z,6um,12.0s								
TIY	comp=Z,220nm,5.7s	23.53 284	eP	P	09 48 13.8 +2.0				
TIY	comp=Z,220nm,5.7s				09 52 23.1 -0.9				
TIY	comp=Z,1um,12.4s								
TIY	comp=Z,1um,11.1s								
TIY	comp=Z,2um,12.8s								
CLNS	comp=Z,39nm,1.1s	23.96 337	eP	PP	09 48 14.5 -1.2				
CLNS	comp=Z,39nm,1.1s		ePP	PP	09 48 22.1 -1.8				
CLNS	comp=Z,39nm,1.1s		eS	S	09 49 44.4				
CLNS	comp=Z,39nm,1.1s		eS	S	09 51 54.6				
CLNS	comp=Z,39nm,1.1s		eS	S	09 52 29.6 -1.0				
CLNS	comp=Z,39nm,1.1s		eS	S	09 53 11.2 -0.4				

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CLNS	comp=N,32nm,1.3s								
CLNS	comp=E,18nm,1.2s								
CLNS	comp=E,25nm,1.0s								
CLNS	comp=Z,23nm,1.1s								
CLNS	comp=N,22nm,1.0s								
CLNS	comp=N,484nm,12.0s								
CLNS	comp=E,370nm,11.8s								
CLNS	comp=Z,2um,13.0s								
CLNS	comp=N,2um,13.0s								
CLNS	comp=E,1um,12.0s								
HHC	comp=E,32nm,1.1s	24.15 291	eP	P	09 48 18.0 +0.2				
HHC	comp=E,280nm,4.9s		eP	PP	09 48 26.0 +0.1				
HHC	comp=E,1um,11.8s				09 48 49.8 +2.3				
HHC	comp=E,2um,11.4s				09 52 35.3 +1.2				
HHC	comp=E,32nm,1.1s				09 52 45.0 +2.3				
HHC	comp=E,280nm,4.9s								
HHC	comp=E,1um,11.8s								
HHC	comp=E,2um,11.4s								
HHC	comp=E,1um,10.8s								
MA2	comp=E,16nm,0.8s,baz=188,slo=8.2,SNR=4.3	24.56 11	P	P	09 48 21.4 +0.3				
MA2	comp=E,16nm,0.8s,baz=188,slo=8.2,SNR=4.3	24.56 11	P	P	09 48 21.4 +0.3				
BTO	comp=E,16nm,0.8s,baz=188,slo=8.2,SNR=4.3	25.32 291	eP	P	09 48 22.0 +0.9				
Baotou	comp=E,16nm,0.8s,baz=188,slo=8.2,SNR=4.3	25.32 291	eP	P	09 48 27.4 -0.9				
XAN	comp=E,16nm,0.8s,baz=188,slo=8.2,SNR=4.3	26.90 276	P	P	09 48 41.1 -0.8				
XAN	comp=E,16nm,0.8s,baz=188,slo=8.2,SNR=4.3				09 48 47.1 -3.8				
XAN	comp=E,16nm,0.8s,baz=188,slo=8.2,SNR=4.3				09 49 30.8 +5.7				
XAN	comp=E,16nm,0.8s,baz=188,slo=8.2,SNR=4.3				09 53 14.0 -3.8				
XAN	comp=E,16nm,0.8s,baz=188,slo=8.2,SNR=4.3				09 54 24.5 +0.7				
XAN	comp=E,44nm,1.2s								
XAN	comp=E,270nm,4.7s								
XAN	comp=E,1um,13.9s								
XAN	comp=E,2um,13.9s								
H11N2	WAKE ISLAND Hy 27.28 119		T	T	10 17 10.7				
H11N1	WAKE ISLAND Hy 27.29 119		T	T	10 17 08.7				
H11N3	WAKE ISLAND Hy 27.30 119		T	T	10 17 15.7				
YAK	comp=E,15nm,0.5s,baz=22,slo=1.7,SNR=12	27.38 348	P	P	09 48 46.1 -0.5				
YAK	comp=E,15nm,0.5s,baz=22,slo=1.7,SNR=12	27.38 348	eP	PP	09 48 46.0 -0.5				
YAK	comp=E,15nm,0.5s,baz=22,slo=1.7,SNR=12				09 48 56.6 +1.9				
YAK	comp=E,15nm,0.5s,baz=22,slo=1.7,SNR=12				09 52 02.3				
YAK	comp=E,15nm,0.5s,baz=22,slo=1.7,SNR=12				09 53 22.7 -1.9				
YAK	comp=E,15nm,0.5s,baz=22,slo=1.7,SNR=12				09 59 26.0				
YAK	comp=N,924nm,14.0s								
YAK	comp=N,153nm,1.2s	27.38 348	eP	P	09 48 46.3 -0.3				
ENH	comp=N,153nm,1.2s	27.51 268	eP	P	09 48 46.9 -1.2				
ENSHI	comp=N,32nm,0.8s	27.51 268	eP	P	09 48 46.9 -1.2				
H11S1	WAKE ISLAND Hy 27.96 121		T	T	10 17 59.8				
H11S3	WAKE ISLAND Hy 27.96 121		T	T	10 18 01.6				
H11S2	WAKE ISLAND Hy 27.96 121		T	T	10 17 59.5				
SEY	comp=N,1um,1.0s,baz=208,slo=8.6,SNR=8.6	28.00 10	P	P	09 48 53.5 +1.3				
ULN	comp=Z,31nm,1.1s	28.30 306	eP	P	09 48 55.2 0.0				
ULN	comp=Z,31nm,1.1s	28.30 306	eP	P	09 48 55.2 0.0				
ULN	comp=Z,31nm,1.1s	28.30 306	eP	P	09 48 54.2 -1.0				
ULN	comp=Z,31nm,1.1s	28.30 306	eP	P	09 48 54.2 -1.0				
SONA1	comp=Z,23nm,1.0s	28.73 306	eP	P	09 48 58.9 0.0				
SONA0	comp=Z,23nm,1.0s	28.73 306	eP	P	09 48 58.7 -0.2				
SONM	comp=Z,13nm,1.0s,baz=107,slo=9.3,SNR=26	28.73 306	eP	P	09 48 58.7 -0.2				
SONM	comp=Z,901nm,18.5s,baz=114,slo=38				10 00 57.9				
BOD	comp=Z,72nm,1.8s	28.76 329	eP	P	09 48 58.6 -0.3				
BOD	comp=Z,72nm,1.8s								
LZH	comp=Z,52nm,1.1s	30.56 282	eP	P	09 49 15.1 -0.3				
LZH	comp=Z,52nm,1.1s				09 49 20.3 -3.3				
LZH	comp=Z,52nm,1.1s				09 49 23.1 -3.9				
LZH	comp=Z,52nm,1.1s				09 50 14.3 -0.5				
LZH	comp=Z,52nm,1.1s				09 54 14.0 -1.6				
LZH	comp=Z,52nm,1.1s				09 54 21.0 -3.7				
LZH	comp=Z,52nm,1.1s				09 55 54.3 +0.1				
LZH	comp=Z,290nm,4.2s	</							







17d 11h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H11N3 WAKE ISLAND Hy 27.26 119 T, H11S1 WAKE ISLAND Hy 27.92 121 T, etc.

MEX 17 10:28:34.3-0.7, 17.00N x 100.12W, h5km, MD3.6, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CAIG El Cayaco, AC2P Acapulco, MEIG Mezcala, etc.

NNC 17 10:29:01.8-6.2, 44.16N x 83.37E, h0km, mb2.9, mpv2.5

SOME 17 10:29:10.9, 44.48N x 82.72E, h0km

ISC 17 10:29:07.6-2.8, 44.53N x 83.3E-0.2, h10km, n5, e213/7, 4C-2D, Northern Xinjiang

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MK31 Makanchi Array, MAKZ Makanchi, KAPS Kaparalasan, etc.

ISC 17 10:40:09.9, 38.92N x 43.51E, h5km, ML2.2

ISCJB 17 10:40:11.3-0.8, 38.93N x 0.03-43.54E-0.06, h17km, 9km

CSEM 17 10:40:11.1-0.3, 38.93N x 43.50E, h5km, MD2.5, Error ellipse: s-maj=6.6km s-min=5.1km az=108.0

DDA 17 10:40:11.4, 38.91N x 43.47E, h7km, Md2.5

ISC 17 10:40:11.2-1.0, 38.92N x 0.03-43.49E-0.04, h11km, 7km, n15, e087/27, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VMUR Van-Muradiye, VANB Van, TVAN Van, etc.

ISCJB 17 10:40:25.3-0.7, 40.21N x 0.03-25.38E-0.05, h1km, 9km

CSEM 17 10:40:25.6-0.3, 40.21N x 25.36E, h10km, ML2.5, Error ellipse: s-maj=6.4km s-min=5.5km az=142.0

ATH 17 10:40:25.2, 40.21N x 25.39E, h15km, 7km, ML1.5/3, Error ellipse: s-maj=7.4km s-min=5.1km az=100.0

ISC 17 10:40:25.1, 40.21N x 0.03-25.37E-0.03, h8km, 11km, n28, e059/38, Aegean Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SMTH Samothraki Isl, LIA Limnos Island, GADA Gvkgeada, etc.

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Table with columns: KAVA, AML, AML, 10 41 01.0. Includes stations like KAVA Kavalas, SIGRI Sigiri, etc.

ISCJB 17 10:53:24.0-0.5, 37.28N x 0.03-28.21E-0.04, h0km, Error ellipse: s-maj=5.2km s-min=3.9km az=23.0

CSEM 17 10:53:23.9-0.3, 37.27N x 28.21E, h2km, MD2.8, Error ellipse: s-maj=7.0km s-min=4.9km az=42.0, Suspected Mining explosion.

DDA 17 10:53:23.1, 37.24N x 28.20E, h7km, Md2.8, Suspected Mining explosion.

ISC 17 10:53:23.2, 37.29N x 28.20E, h5km, ML2.1

ISC 17 10:53:23.7-0.9, 37.27N x 28.20E-0.03, h0km, n22, e058/32, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AYDN Tasoluk, TURN Turunc, DALY Dalyan (Mu'la), etc.

MEX 17 10:57:12.1-0.4, 32.43N x 115.06W, h25km, 2km, MD3.8

ECX 17 10:57:13.0-0.5, 32.25N x 115.32W, h4km, MD2.4, ML2.7

ISC 17 10:57:11.9-1.2, 32.21N x 0.03-115.35W-0.03, h6km, 14km, n17, e062/27, 7C-2D, California-Baja California border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CPBX Cerro Prieto, MBIG Mexicali, ERPC Ernie's Place, etc.

IDC 17 10:57:50.8-1.9, 2.58N x 128.29E, h0km, mb4.0/4, mb1.4/2.4, mb1mx3.6/5.4, mbtmp4.0/4, MS4.3/1, Ms1.4/3.1, ms1mp2.6/3.3, Error ellipse: s-maj=150.5km s-min=21.2km az=68.0, Halmahera

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

BKK 17 10:58:06.2-1.1, 20.7N x 9.8E, h10km, M3.9/7, mb3.9/1, mb4.0/1, MLV3.7/7, Mw(mB)3.1/1, Thailand

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CMAI Chiangmai2, CHTO Chiang Mai, LAMP Lampang, etc.

KRNET 17 10:59:30.5-0.1, 39.83N x 72.11E, mb2.2

NNC 17 10:59:31.5-2.8, 40.10N x 72.26E, h0km, mb2.7, mpv2.3, Error ellipse: s-maj=31.0km s-min=14.3km az=15.0

ISC 17 11:05:30.1-1.3, 40.00N x 72.14E-0.03, h2km, 21km, n10, e19/17, 15C-5D, Kyrgyzstan

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BTK Batken, SFK Sufi-Kurgan, TOKL Toktogul, etc.

ARLS Aral

ARLS Aral

MNAS Manas

MNAS Manas

MNAS Manas

DZET Dzerino

DZET Dzerino

KK31 Karatay Array

KK31 Karatay Array

ECX 17 11:05:26.6-0.5, 32.25N x 115.33W, h6km, MD2.4, ML2.6

MEX 17 11:05:26.7-0.4, 32.38N x 115.15W, h22km, 4km, MD3.6

ISC 17 11:05:24.8-1.0, 32.28N x 0.04-115.32W-0.04, h32km, 9km, n20, e082/29, 4C-6D, California-Baja California border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CPBX Cerro Prieto, MBIG Mexicali, DREC Desert Hrsch C, etc.

DDA 17 11:09:50.8, 38.46N x 43.33E, h7km, M2.8

ISC 17 11:09:50.7, 38.44N x 43.35E, h5km, ML2.4

ISCJB 17 11:09:51.7-0.5, 38.44N x 0.03-43.35E-0.04, h10km, Error ellipse: s-maj=4.5km s-min=4.0km az=172.3

CSEM 17 11:09:51.0-0.2, 38.46N x 43.36E, h2km, ML2.4, Error ellipse: s-maj=5.8km s-min=4.4km az=77.0

ISC 17 11:09:51.2-0.8, 38.48N x 0.02-43.39E-0.03, h10km, n30, e1933/47, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VANB Van, GEVA Gevas, ERVC ERCIS-VAN, etc.

ISC 17 11:17:13.7, 38.89N x 43.59E, h22km, ML2.7

ISCJB 17 11:17:15.0-0.5, 38.91N x 0.02-43.59E-0.04, h4km, 6km, Error ellipse: s-maj=5.7km s-min=3.9km az=13.9

CSEM 17 11:17:14.3-0.3, 38.89N x 43.60E, h10km, ML3.0, Error ellipse: s-maj=7.0km s-min=4.7km az=105.0

DDA 17 11:17:14.5, 38.89N x 43.59E, h7km, M3.0

ISC 17 11:17:14.7-1.1, 38.90N x 0.02-43.59E-0.03, h9km, 8km, n28, e096/46, Turkey

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

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

ISK 17 11:25:44.9, 37.16N, 37.15E, h6km, ML2.0
ISCJB 17 11:25:45.0, 37.16N, 0.03, 37.12E, 0.03, h1km, 5km,
Error ellipse: s-maj=4.5km s-min=4.1km az=29.4

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like KAHRAMANMARAS1, KAHRAMANMARAS1, KAHRAMANMARAS1, etc.

NNC 17 11:26:29.9, 1.7, 44.64N, 82.05E, h0km, mb3.0, mpv2.5,
Error ellipse: s-maj=25.8km s-min=5.0km az=116.0

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

NIED 17 11:27:00, 37.50N, 142.00E, h8km, Mw3.5 Best double
couple: M2.25000+1014, NP1.203.00000, 343.00000,
1-132.00000, NP2.793.00000, 359.00000,
1-58.00000

ISCJB 17 11:27:01.9, 1.5, 37.58N, 0.04, 142.04E, 0.05,
h10km, 10km, mb3.6/8, Error ellipse: s-maj=6.3km,
s-min=5.9km az=34.6

IDC 17 11:27:02.2, 0.8, 37.57N, 142.00E, h0km, mb3.6/8,
mb1 3.8/12, mb1mx3.7/4.1, mbtmp3.7/12, ML3.1/4, MS2.2/1,
Ms1 2.2/1, ms1mx2.0/3.1, Error ellipse: s-maj=22.4km,
s-min=17.3km az=104.0

JMA 17 11:27:03.2, 0.1, 37.54N, 141.99E, h25km, 3km, M4.0
ISC 17 11:27:03.9, 1.9, 37.56N, 0.04, 141.90E, 0.06, h8km, 11km,
n30, r=17/35, mb3.6/8, Near east coast of eastern

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like JFK Kawauchi, JFK Kawauchi, JMM Marumori, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like JMM Iwakimizuishiy, ONAJ Ouri, JIO Otama, etc.

ISK 17 11:30:36.9, 39.36N, 28.01E, h7km, ML2.3
ISCJB 17 11:30:37.4, 0.4, 39.38N, 0.02, 28.00E, 0.04, h8km, 5km,
Error ellipse: s-maj=5.0km s-min=3.8km az=154.6

CSEM 17 11:30:37.5, 2.1, 39.37N, 27.99E, h10km, ML2.9,
Error ellipse: s-maj=2.5km s-min=1.9km az=58.0

DDA 17 11:30:37.1, 39.41N, 28.01E, h7km, ML2.9
ISC 17 11:30:37.6, 0.9, 39.38N, 0.02, 28.00E, 0.03, h14km, 8km,
n34, r=05/49/54, Turkey

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like STEP BALIKESIR\_Sava, STEP BALIKESIR, STEP BALIKESIR, etc.

JMA 17 11:31:10.0, 0.2, 24.70N, 121.89E, h77km, 3km, M3.5
ISCJB 17 11:31:11.1, 0.4, 24.73N, 0.03, 121.96E, 0.02, h70km, 4km,
Error ellipse: s-maj=4.9km s-min=2.4km az=162.4

TAP 17 11:31:11.5, 24.68N, 121.91E, h65km, ML4.2, A
ISC 17 11:31:11.9, 1.3, 24.71N, 0.04, 121.95E, 0.02, h65km, 6km,
n69, r=05/86/118, 4C-17D, Taiwan

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like TWA baz=322, TAP1 Taipei, TAP1 Taipei, etc.

17d 12h

Table with columns: SCLT, Jial, baz=223, 2.21 227 eP, Pn, 11 31 46.4 +0.1, etc.

ISK 17 11:33:36.4, 38.95N:43.50E, h3km, ML3.5
ATA 17 11:33:36.5, 39.00N:43.45E, h0km, MD3.5, ML4.0, MW3.9(DDA)

DDA 17 11:33:36.5, 38.96N:43.51E, h15km, M13.3
CSEM 17 11:33:36.8, 0.2, 38.98N:43.54E, h2km, ML3.5, Error ellipse: s-maj=5.1km s-min=3.6km az=82.0

ISC 17 11:33:37.1, 0.1, 38.96N:0.02:43.49E:0.02, h7km, g3km, n63, c089/99, Turkey

Main table for 17d 12h with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

ISC 17 11:37:15.4, 3.3, 19.05S:178.19W, h658km, 134km, mb3.4/5, mb1.3/5, mb1mx3.0/27, mbtmp4/6/5, Error ellipse: s-maj=138.9km s-min=68.9km az=70.0, Fiji Islands region

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

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Table with columns: STKA, Stephens Creek, 38.27 242 P, P, 11 43 43.5 +0.7, etc.

NSSC 17 11:38:39.6:1.4, 34.43N:36.72E, h0km, 12km, ML2.1
GRAL 17 11:38:42.0:0.3, 34.35N:36.63E, h0km, 63km, MD3.0
ISC 17 11:38:40.9:3.2, 34.33N:0.1:36.7E:0.1, h7km, 12km, n8, c027/13, Jordan-Syria region

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

IDC 17 11:45:10.4:1.9, 31.52S:178.35W, h0km, mb4.0/2, mb1.4/3, mb1mx3.9/19, mbtmp4.1/3, ML4.0/1, Error ellipse: s-maj=45.3km s-min=1.5km az=59.9

ISC 17 11:45:18.7:1.8, 31.95S:0.1:178.5W:0.3, h61km, n18, c1566/20, Kermadec Islands region

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

ISCJB 17 11:55:31.7:0.6, 38.70N:0.03:43.63E:0.05, h11km, g6km, Error ellipse: s-maj=6.6km s-min=4.7km az=176.4

CSEM 17 11:55:31.0:0.4, 38.70N:43.64E, h2km, ML2.7, Error ellipse: s-maj=8.7km s-min=6.0km az=85.0

ISC 17 11:55:31.1, 38.76N:43.47E, h5km, ML2.0
DDA 17 11:55:31.3, 38.71N:43.61E, h7km, ML2.7
ISC 17 11:55:31.1, 1.1, 38.71N:0.02:43.65E:0.04, h14km, gkm, n24, c088/38, Turkey

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

DDA 17 11:56:26.9, 38.75N:43.28E, h7km, ML2.8
ISC 17 11:56:26.4, 38.65N:43.14E, h11km, ML2.1
ISCJB 17 11:56:27.6:1.0, 38.62N:0.06:43.18E:0.06, h21km, gkm, Error ellipse: s-maj=9.4km s-min=7.8km az=3.1

CSEM 17 11:56:27.5:0.3, 38.68N:43.19E, h10km, ML2.1, Error ellipse: s-maj=8.3km s-min=6.1km az=45.0

ISC 17 11:56:27.6:0.9, 38.69N:0.04:43.17E:0.03, h14km, gkm, n18, c080/28, Turkey

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

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Table with columns: CLDR, Tutak, 0.76 339 iP, Sb, 11 56 53.2 +0.7, etc.

JMA 17 12:11:04.7:0.2, 25.38N:123.59E, h187km, 3km, M3.6, NorthEast of Taiwan

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

MEX 17 12:15:13.6:0.9, 17.12N:95.67W, h116km, 10km, MD3.8, Oaxaca

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

IDC 17 12:09:51.8, 5.8, 56.44N:34.40W, h0km, mb3.8/6, mb1.3/6, mb1mx3.8/6, mbtmp3.8/6, MS3.1/5, 1.3/1.5, ms1mx2.7/51, Error ellipse: s-maj=47.3km s-min=32.8km az=43.0

ISCJB 17 12:11.1:1.1, 56.55N:0.2:34.3W:0.5, h22km, mb3.8/6, MS3.1/2, Error ellipse: s-maj=41.1km s-min=26.7km

ISC 17 12:13:13.1:1.7, 56.55N:0.3:34.3W:0.3, h22km, n12, c0570/7, mb3.8/6, Reykjanes Ridge

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

ISK 17 12:31:20.7, 38.74N:43.25E, h2km, ML3.5
CSEM 17 12:31:21.7:0.2, 38.75N:43.28E, h2km, ML3.5, Error ellipse: s-maj=3.9km s-min=3.1km az=88.0

DDA 17 12:31:21.3, 38.74N:43.29E, h2km, M13.7
ISCJB 17 12:31:22.3:0.3, 38.75N:0.02:43.28E:0.03, h10km, 3km, Error ellipse: s-maj=4.4km s-min=3.1km az=177.3

ISC 17 12:31:22.5:0.8, 38.74N:0.02:43.27E:0.02, h17km, gkm, n73, c123/94, Turkey

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

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like EATA, SRMT, Siirt\_Merkez, TASB, TASBURUN-IGDIR, etc.

ISN 17 12:38:22.0-0.9, 39.47N-43.46E, h0km, 48km, ML4.5
AZER 17 12:38:28.0-0.7, 38.23N-43.23E, h20km, Error ellipse:
s-maj=8.2km s-min=6.7km az=128.0

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like VMUR, ERVC, ERVCIS-VAN, VAN, VANB, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like WRTE, CUKT, CUKUR, CUKURCA, CUKURCA, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like ZEI, QBL, QBL, SAAT, SAAT, SANL, etc.



Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Vitosha, Bucovina Array, Obninsk, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Berggiesshobel, Collin, Fines, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like IDC 17 12:44:13, MEX 17 12:44:43, etc.

MONT	Ecomontaa	2.29	87	eP	Pn	12 45 20.3 -0.5
RTR	El Retiro	2.30	86	eP	Sn	12 45 20.0 -0.8
RTR				eS	Pn	12 45 20.9 -0.3
SBL5	San Blas	2.32	87	eP	Pn	12 45 20.9 -0.3
SBL5				eS	AML	12 45 58.0
	comp=Z,853nm,0.4s					
SNEJ	San Jose	2.33	87	eP	Pn	12 45 20.2 -1.2
CCIG	Comitan	2.52	357	eP	Pn	12 45 24.3 +0.3
CCIG				iS	Pn	12 45 56.0 +2.4
CCIG	Comitan	2.52	357	eP	S	12 45 25.2 +1.3
CCIG				eS	Pn	12 45 25.2 -0.2
COLS	Colinas	2.63	91	eP	Sn	12 45 25.2 -0.2
COLS				eS	Pn	12 45 57.0 +0.8
BOQS	Boqueron	2.65	90	eP	Pn	12 45 25.4 -0.3
UESS	San Salvador	2.69	90	AML	AML	12 46 03.9
	comp=Z,2um,0.5s					
SNET	Serv Nac Est T	2.70	91	ePn	Pn	12 45 26.7 +0.5
SNET				eSn	Pn	12 45 54.0 -3.8
SNET	Serv Nac Est T	2.70	91	eP	Pn	12 45 26.5 +0.3
SNET				eS	Pn	12 45 57.6 -0.1
SNET				AML	AML	12 46 10.0
	comp=Z,2um,0.4s					
UDBS	Yoyoyango	2.77	90	AML	AML	12 46 03.6
	comp=Z,1um,0.3s					
LFRS	El Faro	2.87	92	eP	Pn	12 45 27.9 -0.6
LFRS				eS	Pn	12 46 02.5 +0.6
LNBS	Las Brisas	2.88	90	eP	Pn	12 45 27.9 -0.6
LNBS	San Vicente	3.08	92	eP	Pn	12 45 32.6 +1.0
SNVI				AML	AML	12 46 14.9
	comp=Z,184nm,0.4s					
TGIG		3.20	340	eP	Pn	12 45 32.7 -0.4
TGIG				iP	Pn	12 45 32.7 -0.4
TGIG				eS	Pn	12 46 11.4 +1.3
TGIG		3.20	340	eP	Pn	12 45 32.7 -0.4
TGIG				eS	Pn	12 46 11.4 +1.3
LCY	Lacayo	3.62	95	eP	Pn	12 45 38.6 -0.4
VSM	San Miguel	3.64	95	eP	Pn	12 45 40.5 +1.1
CAHU	Cocaticque	3.69	89	eP	Pn	12 45 41.0 +1.1
CNCH	Conchagua	4.09	96	eP	Pn	12 45 45.9 +0.5
CMIG	Matias Romero	4.33	321	Pn	Pn	12 45 47.2 -1.4
	comp=Z,6.5nm,0.3s,baz=144,slow=11,SNR=40					
CMIG				S	Sn	12 46 35.1 -2.8
	comp=Z,51nm,0.3s,baz=92,slow=18,SNR=5.6					
CMIG				Lg	Lg	12 46 48.9
	comp=Z,68nm,0.3s,baz=92,slow=12,SNR=10					
CMIG				LR	LR	12 47 45.9
	comp=Z,892nm,20.9s,baz=117,slow=42					
HUIG	Huatulco	4.45	297	eP	Pn	12 45 48.5 -1.7
HUIG				eS	Pn	12 46 36.9 -3.9
HUIG		4.45	297	eP	Pn	12 45 48.5 -1.7
HUIG				eS	Pn	12 46 36.9 -3.9
TGHU	Tegucigalpa,Un	4.61	86	ePn	Pn	12 45 49.5 +0.1
TUIG	Tuzandepelt	4.85	332	ePn	Pn	12 45 57.5 +1.7
TUIG				eSn	Pn	12 46 52.2 +1.4
SCIG	Sabancuy	5.25	9	ePn	Pn	12 45 59.8 -1.5
MOMN	Motomombo	5.49	103	eP	Pn	12 46 05.0 +0.4
COPN	Copaltepe	5.50	106	eP	Pn	12 46 06.0 +1.3
ESTN	Estel	5.52	96	eP	Pn	12 46 06.0 +0.9
	comp=E,37nm,0.5s			AML	AML	12 47 14.5
LVIG	Laguna Verde	7.29	325	ePn	Pn	12 46 31.6 +2.4
LVIG				eSn	Pn	12 47 51.2 +0.5
TEIG	Tepeich	7.36	28	ePn	Pn	12 46 32.4 -0.9
TLIG	Tiapa	7.37	302	ePn	Pn	12 46 32.0 +1.6
MYIG	Morida	7.49	16	ePn	Pn	12 46 31.1 -0.9
JTS	JuntasAbangare	7.71	116	ePn	Pn	12 46 37.4 +2.4
	comp=E,51nm,0.8s					
HDC	Heredia	8.57	115	ePn	Pn	12 46 49.2 +2.2
APOP	Alto Boquete	10.55	117	AML	AML	12 46 18.0
	comp=Z,2um,0.5s					
MOIG	Morelia	10.59	305	ePn	Pn	12 47 18.2 +3.5
LNIG	Linares	13.13	329	ePn	Pn	12 47 51.1 +1.8
PAYG	Puerto Ayora	14.43	173	Pn	Pn	12 48 17.0 -2.0
PAYG				P	P	12 48 17.0 -2.0
340A	Bronson	17.67	355	P	Pn	12 48 49.4 +1.1
243A	Waterproof	18.05	1	P	P	12 48 53.1 0.0
NATX	Nacogdoches	18.09	353	P	P	12 48 53.7 +0.1
JCT	Junction City	18.14	338	eP	Pn	12 48 56.3 +2.2
	comp=Z,8.7nm,0.7s					
JCT				eSn	Pn	12 52 10.5 -5.1
HPIG		18.31	318	eP	Pn	12 48 59.0 +2.6
	comp=Z,10nm,0.9s					
239A	Gary	18.32	353	P	P	12 48 55.5 -0.5
	baz=172					
238A	Jacksonville	18.39	352	P	P	12 48 56.1 -0.7
	baz=170					
VBMS	Vicksburg	18.43	4	P	P	12 48 56.6 -0.6
	baz=164					
WHTX	Lake Whitney	18.83	346	P	P	12 49 02.2 +0.6
	baz=163					
H06E1	SOCORRO T-PHASE	8.83	288	T	T	13 08 18.8
	SNR=256					
H06S1	SOCORRO T	18.85	288	T	T	13 08 16.1
	SNR=23					
143A	Socs Landing	18.88	2	P	P	12 49 01.9 -0.2
	baz=181					
TX31	Lajas Ar. Si	18.90	327	eP	Pn	12 49 04.8 +1.3
146A	Union	18.99	8	P	P	12 49 03.3 -0.2
	baz=188					
Z41A	Richland Creek	19.43	358	P	P	12 49 07.7 -0.5
Z42A	Norrel Spur, H	19.44	0	P	P	12 49 06.9 -1.3
	baz=177					
Z40A	Long Farm, Mag	19.46	356	P	P	12 49 08.4 -0.1
	baz=175					
Z49A	Pea Ridge, Bel	19.49	4	P	P	12 49 08.7 -0.2
	baz=184					
Z34A	Irene McRaven	19.51	355	P	P	12 49 08.8 -0.2
	baz=173					
ROSC	El Rosal	19.55	115	P	Pn	12 49 13.0 +1.4
	comp=Z,1.0nm,0.3s,baz=31,slow=12,SNR=9.4					
ROSC	El Rosal	19.55	115	eP	Pn	12 49 11.4 -0.3
	comp=Z,24nm,1.2s					
Z46A	Louisville	19.56	8	P	P	12 49 09.3 -0.2
	baz=188					
Z37A	Pogue Cattle C	19.64	351	P	P	12 49 10.1 -0.4
	baz=169					
Z47A	Carrollton	19.69	10	P	P	12 49 10.5 -0.5
	baz=191,SNR=7.1					
LRAL	Lakeview Retre	19.73	13	eP	P	12 49 13.5 +2.0
	comp=Z,37nm,1.4s					
Z36A	Blue Ridge	19.85	349	P	P	12 49 12.7 -0.1
	baz=166					
WLAR	White Oak Lake	19.88	357	eP	Pn	12 49 13.4 +0.4
	comp=Z,44nm,0.9s					
Y42A	Garnett, Star	20.00	1	P	P	12 49 13.7 -0.7
	baz=180					
ABTX	Abilene, Hawle	20.04	341	P	P	12 49 15.3 +0.4
	baz=157,SNR=1.1					
ABTX	Abilene, Hawle	20.04	341	eP	P	12 49 15.7 +0.8
	comp=Z,12nm,0.8s					
Y45A	Yeager Farm, C	20.15	6	P	P	12 49 15.8 -0.3
	baz=186					
Y39A	Lockesburg	20.19	355	P	P	12 49 14.8 -1.7
	baz=173					
Y44A	Strider, Charl	20.19	4	P	P	12 49 16.0 -0.4
	baz=184					
RUSC	La Rusia	20.20	111	eP	Pn	12 49 19.2 -0.2
	comp=Z,12nm,1.2s					
Y40A	Okolona	20.21	357	P	P	12 49 16.5 -0.2
	baz=176					
Y38A	Idabel	20.24	353	P	P	12 49 16.1 -0.9
	baz=172,SNR=7.0					
Y46A	Houston	20.25	8	P	P	12 49 17.0 -0.1
	baz=188					
Y37A	Hugo	20.41	351	P	P	12 49 18.8 0.0
	baz=169					
Y47A	UCPARC, Winfie	20.42	10	P	P	12 49 18.4 -0.5
	baz=191					
Y36A	Durant	20.43	350	P	P	12 49 18.8 -0.3
	baz=167					
Y35A	Marietta	20.58	348	P	P	12 49 20.0 -0.7
	baz=165,SNR=14					
X40A	Basin Creek Fa	20.66	358	P	P	12 49 21.3 -0.3
	baz=177					
MIAR	Mount Ida	20.75	356	P	P	12 49 23.0 +0.5
	baz=175,SNR=6.0					
MIAR	Mount Ida	20.75	356	eP	P	12 49 21.8 -0.8
	comp=Z,22nm,0.9s					
OXF	Oxford	20.81	6	eP	P	12 49 23.4 +0.3
	comp=Z,85nm,1.1s					
UALR	University of	20.94	359	eP	P	12 49 24.1 -0.1

X38A	Whitesboro	20.98	353	P	P	12 49 24.8 -0.3
	comp=Z,92nm,1.8s					
X35A	Drake	21.05	349	P	P	12 49 25.5 -0.2
	baz=172,SNR=15					
X35A	Drake	21.05	349	eP	P	12 49 25.2 -0.5
	comp=Z,51nm,1.4s					
GOGA	Godfrey	21.06	20	eP	P	12 49 24.6 -1.2
	comp=Z,16nm,0.9s					
X36A	Centrahoma	21.10	350	P	P	12 49 25.9 -0.4
	baz=168					
PLAL	Pickwick Lake	21.44	9	eP	P	12 49 28.7 -1.2
	comp=Z,19nm,1.3s					
SDV	Santa Domingo	21.50	101	P	P	12 49 28.5 -2.4
	comp=Z,5.1nm,0.8s,baz=274,slow=6.0,SNR=5.0					
SDV	Santa Domingo	21.50	101	eP	P	12 49 31.1 +0.1
	comp=Z,9.3nm,0.8s					
W37B	Quinton	21.52	352	P	P	12 49 30.8 0.0
	baz=170					
W37B	Quinton	21.52	352	eP	P	12 49 31.1 +0.3
W37B				eP	sP	12 49 46.9 +0.5
W36A	Wetumka	21.64	351	P	P	12 49 31.7 -0.3
	baz=168					
W36A	Wetumka	21.64	351	eP	P	12 49 32.1 0.0
	comp=Z,68nm,1.6s					
MNTX	Cornudas Mount	21.67	328	P	P	12 49 32.9 +0.4
	baz=142,SNR=49					
MNTX	Cornudas Mount	21.67	328	eP	P	12 49 33.2 +0.8
	comp=Z,32nm,0.9s					
W35A	Tecumseh	21.76	349	P	P	12 49 31.5 -1.8
	baz=166,SNR=6.8					
W35A	Tecumseh	21.76	349	eP	P	12 49 32.3 -1.0
	comp=Z,33nm,0.6s					
WMOK	Wichita Mounta	21.78	345	P	P	12 49 32.1 -1.5
	baz=161,SNR=12					
WMOK	Wichita Mounta	21.78	345	eP	P	12 49 32.5 -1.1
	comp=Z,10nm,0.8s					
WMOK				eS	S	12 53 27.6 -4.6
V41A	Mountainview	21.94	360	P	P	12 49 33.7 -1.6
	baz=179					
V39A	Pettigrew	22.05	356	P	P	12 49 35.0 -1.5
	comp=Z,16nm,0.8s					
OK022	N3560 Road, Pr	22.10	350	eP	P	12 49 36.5 -0.5
	comp=Z,16nm,0.8s					
V38A	Canehill	22.13	355	P	P	12 49 36.2 -1.1
	baz=173					
OK020	N3440 Road, Me	22.14	349	eP	P	12 49 36.3 -1.1
	comp=Z,27nm,1.0s					
OK021	N3530 Road, Sp	22.17	350	eP	P	12 49 37.2 -0.6
	comp=Z,30nm,1.1s					
V37A	Hulbert	22.22	353	P	P	12 49 36.7 -1.6
	baz=171,SNR=5.4					

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Table with columns: Station, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Peak, Elevation Peak, Azimuth Valley, Elevation Valley, 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 Spread, Elevation Spread, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Peak, Elevation Peak, Azimuth Valley, Elevation Valley, 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: Station, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Peak, Elevation Peak, Azimuth Valley, Elevation Valley, Azimuth Flatness, Elevation Flatness, Azimuth Curvature, Elevation Curvature, Azimuth Concavity, Elevation Concavity, Azimuth Convexity, Elevation Convexity, Azimuth Symmetry, Elevation Symmetry, Azimuth Asymmetry, Elevation Asymmetry.

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136A	Ennis baz=165	19.05 348	P	Pn	13 10 56.1 +0.7
147A	Livingston baz=190	19.11 10	P	P	13 10 55.3 +0.2
TIGA	Tifton baz=205	19.20 22	P	P	13 10 55.6 -0.5
TIGA	Tifton comp=Z,110nm,1.0s	19.20 22	eP	Pn	13 10 55.9 -0.3
LGNH	LOgnee	19.23 73	eP	P	13 10 54.0 -2.5
Z41A	Richard Creek baz=177	19.39 358	P	P	13 10 58.0 -0.2
Z42A	Norrel Spur, H baz=179	19.39 0	P	P	13 10 57.9 -0.4
Z40A	Long Farm, Mag baz=175	19.42 357	P	P	13 10 58.6 0.0
Z44A	Pea Ridge, Bel baz=184	19.45 4	P	P	13 10 58.4 -0.4
Z39A	Irene McRaven, baz=173	19.46 355	P	P	13 10 59.5 +0.5
Z46A	Louisville baz=188,SNR=12	19.52 8	P	P	13 10 59.3 -0.3
Z38A	Mt. Pleasant baz=170	19.57 353	P	P	13 11 00.6 +0.5
ROSC	El Rosal comp=Z,0.7nm,0.3s,baz=19,slow=4.5,SNR=28	19.59 115	P	Pn	13 11 03.0 +0.6
ROSC	El Rosal	19.59 115	eP	Pn	13 11 04.8 +2.4
Z37A	comp=Z,70nm,1.1s Pogue Cattle C baz=168,SNR=7.5	19.60 351	P	P	13 11 00.5 0.0
SLBS	Sierra La Lagu	19.60 303	eP	Pn	13 11 07.9 +5.7
Z45A	Winona baz=186	19.61 6	P	P	13 11 00.4 -0.2
Z47A	Carrollton baz=190,SNR=22	19.65 10	P	P	13 11 00.3 -0.7
PRAC	Prado comp=Z,76nm,1.2s	19.66 119	eP	Pn	13 11 02.9 +0.1
LRAL	Lakeview Retre comp=Z,39nm,0.9s	19.70 13	eP	P	13 11 02.5 -0.6
Z36A	Blue Ridge baz=166,SNR=7.8	19.80 349	P	P	13 11 02.5 -0.2
WLAR	White Oak Lake comp=Z,121nm,1.0s	19.83 357	eP	P	13 11 03.6 +0.6
BARC	Barichara	19.86 109	eP	P	13 11 03.9 +0.1
Z48A	Northport baz=192,SNR=8.1	19.92 11	P	P	13 11 04.4 +0.5
Y42A	Garnett, Star baz=180	19.96 1	P	P	13 11 04.2 -0.2
ABTX	Abilene, Hawle baz=157,SNR=14	20.00 341	P	P	13 11 05.8 +0.9
ABTX	Abilene, Hawle comp=Z,44nm,1.3s	20.00 341	eP	Pn	13 11 06.0 -0.8
Y41A	Eagleette Beard baz=177	20.01 359	P	P	13 11 04.8 -0.1
CCAR	Cane Creek comp=Z,90nm,0.8s	20.04 1	eP	P	13 11 05.2 0.0
PAMC	Pamplona, Colo	20.04 107	eP	P	13 11 05.6 -0.4
LPIG	La Paz comp=Z,35nm,0.3s,baz=340,slow=12,SNR=4.0	20.08 303	eP	Pn	13 11 09.9 +2.2
LPIG	comp=Z,825nm,18.6s,baz=124,slow=38	20.11 6	P	LR	13 19 17.9
Y45A	Yeager Farm, C baz=186	20.11 6	P	P	13 11 05.6 -0.4
Y39A	Lockesburg baz=173,SNR=7.8	20.14 355	P	P	13 11 06.1 -0.3
Y44A	Strider, Charl baz=184	20.15 4	P	P	13 11 06.2 -0.2
Y40A	Okolona baz=175,SNR=5.4	20.16 357	P	P	13 11 06.0 -0.6
Y38A	Idabel baz=171,SNR=10.0	20.20 353	P	P	13 11 06.7 -0.3
Y46A	Houston baz=188	20.21 8	P	P	13 11 07.7 +0.6
RUSC	La Rusia	20.23 111	eP	P	13 11 07.8 -0.2
RUSC	La Rusia comp=Z,31nm,1.0s	20.23 111	eP	P	13 11 07.9 -0.2
Y37A	Hugo baz=169,SNR=9.3	20.36 351	P	P	13 11 08.2 -0.5
Y47A	UCPAR Winifre baz=191,SNR=7.7	20.38 10	P	P	13 11 08.4 -0.6
Y36A	Durant baz=167	20.39 350	P	P	13 11 09.2 +0.1
Y35A	Marietta baz=165,SNR=28	20.54 348	P	P	13 11 10.8 +0.1
X41A	Kaden, Bauxite baz=178	20.62 359	P	P	13 11 11.3 -0.2
X40A	Basin Creek Fa baz=177	20.62 358	P	P	13 11 11.3 -0.3
X43A	Marvell baz=182	20.66 3	P	P	13 11 11.2 -0.8
X45A	UM Field Stati baz=185	20.68 6	P	P	13 11 11.8 -0.4
X44A	Crenshaw baz=184	20.69 4	P	P	13 11 12.1 -0.2
MIAR	Mount Ida baz=175,SNR=23	20.71 356	P	P	13 11 13.1 +0.5
MIAR	Mount Ida comp=Z,124nm,1.3s	20.71 356	eP	pmax	13 11 12.5 -0.1
MIAR	Mount Ida comp=Z,124nm,1.3s	20.71 356	eP	P	13 11 12.4 -0.1
X39A	Fountain Ranch baz=173	20.71 355	P	P	13 11 12.8 +0.2
OXF	Oxford	20.77 6	eP	pmax	13 11 13.4 +0.2
OXF	Oxford comp=Z,195nm,1.1s	20.77 6	eP	pmax	13 11 13.4 +0.2
OXF	Oxford comp=Z,195nm,1.1s	20.77 6	eP	P	13 11 13.4 +0.2
UALR	University of comp=Z,116nm,1.1s	20.89 359	eP	P	13 11 14.8 +0.2
X38A	Whitesboro baz=171,SNR=41	20.94 354	P	P	13 11 14.9 -0.1
X35A	Drake baz=165	21.00 349	P	P	13 11 16.1 +0.3
X35A	Drake comp=Z,96nm,1.1s	21.00 349	eP	P	13 11 16.0 +0.2
GOGA	Godfrey	21.03 20	eP	pmax	13 11 15.9 -0.1
GOGA	Godfrey comp=Z,60nm,1.0s	21.03 20	eP	pmax	13 11 15.9 -0.1
X36A	Centrahoma baz=167,SNR=11	21.06 350	P	P	13 11 16.5 +0.2
W41B	Gary Maivty, V baz=178	21.29 359	P	P	13 11 19.0 +0.1
W38A	Poteau baz=172,SNR=7.4	21.31 354	P	P	13 11 17.3 -1.7
W40A	Ferguson Farm, comp=Z,144nm,1.4s	21.33 358	eP	P	13 11 19.2 -0.1
CLNB	Carlsbad	21.35 331	eP	P	13 11 21.7 +2.1
X301	Greenbrier Sit comp=Z,61nm,1.2s	21.36 359	eP	P	13 11 20.7 +1.1
W39A	Magazine baz=171	21.37 356	P	P	13 11 19.1 -0.6
W42A	Bald Knob baz=180	21.39 1	P	P	13 11 18.7 -1.2
PLAL	Pickwick Lake comp=Z,90nm,1.5s	21.40 9	eP	P	13 11 19.1 -0.8
WHAR	Woolly Hollow comp=Z,55nm,1.2s	21.41 359	eP	P	13 11 19.9 -0.2
W45A	Hickory Valley baz=186	21.43 6	P	P	13 11 18.6 -1.7
W37B	Quinton baz=170,SNR=7.7	21.48 352	P	P	13 11 19.1 -1.7
W37B	Quinton comp=Z,52nm,1.0s	21.48 352	eP	P	13 11 19.1 -1.7
SDV	Santo Domingo comp=Z,11nm,0.5s,baz=275,slow=6.1,SNR=9.1	21.52 101	P	LR	13 11 18.5 -3.2
SDV	Santo Domingo comp=Z,905nm,20.2s,baz=287,slow=40	21.52 101	eP	LR	13 20 32.9
SDV	Santo Domingo comp=Z,25nm,0.9s	21.52 101	eP	P	13 11 19.2 -2.5
W36A	Wetumka baz=168,SNR=7.1	21.59 351	eP	P	13 11 20.6 -1.4
W36A	Wetumka comp=Z,136nm,1.5s	21.59 351	eP	P	13 11 22.5 +0.4
MNTX	Cornudas Mount baz=142,SNR=119	21.63 328	P	P	13 11 23.5 +1.0
MNTX	Cornudas Mount comp=Z,74nm,0.8s	21.63 328	eP	P	13 11 24.1 +1.6
W35A	Tecumseh baz=166,SNR=10	21.71 349	P	P	13 11 21.3 -2.1
W35A	Tecumseh comp=Z,60nm,0.6s	21.71 349	eP	P	13 11 23.1 -0.3
WMOK	Wichita Mount baz=161,SNR=39	21.73 345	P	P	13 11 22.3 -1.3
WMOK	Wichita Mount comp=Z,39nm,0.9s	21.73 345	eP	pmax	13 11 22.6 -1.0

WMOK	comp=Z,441nm,21.0s	MLR	MLR		
WMOK	Wichita Mount comp=Z,38nm,0.9s	21.73 345	eP	P	13 11 22.6 -1.0
WMOK	comp=Z,441nm,21.0s	LR	LR		
V41A	Mountainview baz=179,SNR=8.2	21.90 360	P	P	13 11 23.7 -1.6
V42A	Cord baz=181,SNR=7.9	21.93 1	P	P	13 11 23.7 -2.0
V40A	Witts Springs baz=177	21.93 358	P	P	13 11 24.5 -1.3
V39A	Pettigrew baz=175,SNR=8.4	22.00 356	P	P	13 11 24.5 -2.1
SWET	Sewanee comp=Z,227nm,1.5s	22.03 13	eP	P	13 11 26.4 -0.4
V45A	Humboldt baz=167	22.03 7	P	P	13 11 24.2 -2.5
NHSC	New Hope comp=Z,111nm,1.0s	22.05 27	eP	P	13 11 24.5 -2.5
V38A	Canehill baz=173,SNR=9.8	22.08 355	P	P	13 11 25.4 -2.0
OK020	N3440 Road, Me comp=Z,62nm,0.9s	22.09 349	eP	P	13 11 26.4 -1.0
V37A	Hulbert baz=171,SNR=11	22.18 353	P	P	13 11 26.9 -1.4
V36A	Jenks baz=169	22.18 352	P	P	13 11 27.5 -0.9
V36A	Jenks comp=Z,68nm,1.3s	22.18 352	eP	P	13 11 28.4 -0.1
HODGE	Hodges comp=Z,62nm,1.2s	22.19 22	eP	P	13 11 27.8 -0.7
TUL1	Leonard baz=169	22.28 352	P	P	13 11 28.5 -1.0
TUL1	Leonard comp=Z,107nm,1.4s	22.28 352	eP	P	13 11 28.9 -0.6
V35A	Meyer Ranch, C baz=167,SNR=5.5	22.30 350	P	P	13 11 28.4 -1.3
V35A	Meyer Ranch, C comp=Z,101nm,1.3s	22.30 350	eP	P	13 11 29.1 -0.6
MSTX	Muleshoe comp=Z,64nm,1.0s	22.33 336	P	P	13 11 30.0 -0.2
MSTX	Muleshoe comp=Z,64nm,1.0s	22.33 336	eP	P	13 11 30.6 +0.4
U41A	Viola baz=179	22.46 0	P	P	13 11 29.5 -1.8
HHAR	Hobbs comp=Z,39nm,1.1s	22.46 356	eP	P	13 11 30.2 -1.2
U42A	Revdend baz=181,SNR=17	22.48 2	P	P	13 11 29.5 -2.1
U40A	Yellville baz=177	22.48 358	P	P	13 11 29.8 -1.9
GLAT	Glass comp=Z,167nm,0.9s	22.52 6	eP	P	13 11 31.6 -0.4
U43A	Rector baz=183	22.53 3	P	P	13 11 30.0 -2.1
U39A	Green Forest baz=175,SNR=11	22.53 357	P	P	13 11 30.9 -1.3
WVT	Waverly comp=Z,37nm,1.1s	22.56 9	eP	pmax	13 11 31.0 -1.4
WVT	Waverly comp=Z,37nm,1.1s	22.56 9	eP	P	13 11 31.0 -1.4
WVT	Waverly comp=Z,37nm,1.1s	22.56 9	eP	P	13 11 31.0 -1.4
U44B	Butler Farm, H baz=186	22.58 6	P	P	13 11 30.4 -2.3
CJCT	Cooper Cave comp=Z,70nm,1.3s	22.60 16	eP	P	13 11 32.4 -0.4
JSC	Jenkinsville baz=181,SNR=9.7	22.61 24	eP	P	13 11 32.5 -0.5
JSC	Jenkinsville comp=Z,68nm,0.8s	22.61 24	eP	P	13 11 32.5 -0.5
PVMO	Portageville comp=Z,441nm,0.3s	22.62 5	eP	P	13 11 33.2 +0.1
UTMT	University of comp=Z,68nm,0.8s	22.63 7	eP	P	13 11 32.4 -0.8
BG3	Lake Jocassee comp=Z,61nm,1.2s	22.65 20	eP	P	13 11 33.2 -0.2
U45A	Rockin P Farm, baz=167,SNR=5.3	22.65 7	P	P	13 11 31.9 -1.5
U38A	Gratette baz=173	22.65 355	P	P	13 11 32.1 -1.3
U37A	Salina baz=171,SNR=6.3	22.69 354	P	P	13 11 31.6 -2.3
U44A	Porteville baz=185	22.71 5	P	P	13 11 32.5 -1.5
AMTX	Amarillo baz=154	22.74 339	P	P	13 11 34.0 -0.5
AMTX	Amarillo comp=Z,128nm,1.1s	22.74 339	eP	P	13 11 34.9 +0.4
U36A	Oologah baz=170	22.75 352	P	P	13 11 33.0 -1.5
PARMO	Parma comp=Z,148nm,0.8s	22.87 5	eP	P	13 11 34.8 -0.9
U35A	Pawnee baz=167	22.88 350	P	P	13 11 34.1 -1.7
U35A	Pawnee comp=Z,34nm,0.9s	22.88 350	eP	P	13 11 35.1 -0.6
PBMO	Poplar Bluff comp=Z,58nm,1.1s	22.94 3	eP	P	13 11 34.1 -2.2
TKL	Tuckaleechee C comp=Z,18nm,0.9s,baz=191,slow=11,SNR=9.0	23.00 17	P	LR	13 11 35.2 -1.9
TKL	Tuckaleechee C comp=Z,11m,18.8s,baz=192,slow=41	23.00 17	eP	LR	13 21 49.8
TKL	Tuckaleechee C comp=Z,126nm,1.5s	23.00 17	eP	pmax	13 11 36.5 -0.6
TKL	Tuckaleechee C comp=Z,126nm,1.5s	23.00 17	eP	pmax	13 11 36.5 -0.6
T41A	Mountain View baz=180	23.16 1	P	P	13 11 36.8 -1.8
T42A	Van Buren baz=181,SNR=12	23.16 2	P	P	13 11 36.0 -2.6
T39A	Cleaver baz=176,SNR=9.5	23.17 357	P	P	13 11 36.9 -1.8
HSIG	comp=Z,117nm,2.0s	23.19 314	eP	P	13 11 41.7 +2.6
T38A	Diamond baz=173,SNR=5.9	23.24 355	P	P	13 11 37.9 -1.5
T43A	Greenville baz=183,SNR=14	23.25 4	P	P	13 11 37.1 -2.4
T40A	Mansfield baz=178,SNR=7.1	23.27 359	P	P	13 11 37.6 -2.2
T44A	Benton 				

17d 13h

Table with columns: Call Sign, Name, Power, Frequency, and other technical details. Includes entries like O34A Beatrice, O45A Potomac, O33A Hebron, etc.

2011 NOV

Table with columns: Call Sign, Name, Power, Frequency, and other technical details. Includes entries like O20A White River Ci, GMRC Great Mtn, LRCM Little Creek M, etc.

946

Table with columns: Call Sign, Name, Power, Frequency, and other technical details. Includes entries like PAGB Antelope Grade, REDW Red Top Meadow, SNOW Snow King Mount, etc.

Table with columns: NEW, NEW, comp-Z, 16nm, 1.1s, 40.17 334, eP, P, 13 14 09.2 +0.9, etc.

Table with columns: BILL, comp-Z, 286nm, 18.0s, MLR, MLR, NB2, NORASR Subarra, 84.34 28 P, 13 19 02.9 -1.0, etc.

Table with columns: PSI, Prapat, 160.26 326, ePKP2, PKPab, 13 27 13.2 +0.3, MAN 17 13:29:20, 12.73N, 123.52E, h23km, mb4.5, ML3.4, MS3.3, 1C-3D, Luzzon

17d 13h

Table with columns for station call letters, frequency, and other details. Includes stations like LVIG Laguna Verde, TEIG Tepich, VCR Vista de Mar, etc.

2011 NOV

Table with columns for station call letters, frequency, and other details. Includes stations like WHTX Lake Whitney, 144A Alexander Park, 140A Cam and Jess, etc.

948

Table with columns for station call letters, frequency, and other details. Includes stations like W41B Gary Mavity, W38A PotEAU, W40A Ferguson Farm, etc.





17d 13h

Table with columns: ID, Name, Date, Time, Status, and other details. Includes entries like 141A Arkdale, Q16A Castle Valley, MURC Murrieta, etc.

2011 NOV

Table with columns: ID, Name, Date, Time, Status, and other details. Includes entries like BGU Big Grassy Mtn, SPUT South Promonto, E34A Wadena, etc.

950

Table with columns: ID, Name, Date, Time, Status, and other details. Includes entries like CHMT Chamberlain Mo, BMO Blue Mountains, BMO Blue Mountains, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other details. Includes entries like Nuku Hiva Isla, Rikitea, Whitehorse, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other details. Includes entries like SUMG Summit, FALS False Pass, BORG Borgarnes, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other details. Includes entries like KHC Kasperske Hory, PVCC Panska Ves, ABTA Abfaltersbach, etc.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PVCC Panska Ves, PRU Pruhonice, BRG Bergiesshubel, KHC Kasperske Hory.

CSEM 17 14:14:29.7,0.2,38.90N,43.54E,h10km,ML3.1, Error ellipse: s-maj=7.1km s-min=4.6km az=100.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like VMUR Van-Muradiye, VYMB Van, YVNB Van, TVAN Van, CLDR Caldiran, etc.

ISCJB 17 14:15:20.2,0.6,29.79S,0.05:178.9W,0.1,h300km, mb3.1/2, Error ellipse: s-maj=16.3km s-min=5.1km

ISC 17 14:15:23.6,1.2,29.90S,179.08W,h304km,14km,mb3.0/2, mb1 3.5/5, mb1mx3.1/23, mbtmp4.2/5, Error ellipse: s-maj=32.5km s-min=17.0km az=129.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RAO Raoul Island, MXZ Matakoa Point, WNGZ Watomatatini S, HAZ Te Kaha, PKGZ Pakihiora, etc.

ISC 17 14:16:36.4,38.72N,43.44E,h20km,ML2.5

ISCJB 17 14:16:37.9,0.5,38.75N,0.02:43.54E,0.05,h10km,4km, Error ellipse: s-maj=6.5km s-min=3.8km az=10.5

CSEM 17 14:16:37.0,3.3,38.74N,43.59E,h10km,ML2.5, Error ellipse: s-maj=7.7km s-min=4.9km az=101.0

DDA 17 14:16:37.2,38.69N,43.60E,h7km,ML2.5

ISC 17 14:16:37.5,0.9,38.73N,0.02:43.59E,0.03,h14km,6km, n24,c117/45,Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TVAN Van-Muradiye, VMUR Van-Muradiye, CLDR Caldiran, GEVA Gevas, BASK Baskale\_VAN, etc.

ISC 17 14:26:38.4,1.1,55.30N,166.83E,h0km,mb3.5/9, mb1 3.7/10, mb1mx3.6/42, mbtmp3.5/10,ML2.8/1, Error ellipse: s-maj=27.0km s-min=22.6km az=147.0

ISCJB 17 14:26:41.7,1.0,55.30N,166.8E,0.2,h33km,mb3.5/9, Error ellipse: s-maj=23.9km s-min=11.2km az=151.0

ISC 17 14:26:43.4,1.3,55.54N,0.2:166.9E,0.1,h35km,n10, c1506/11,mb3.6/9,Komadorsky Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PETK Petropavlovsk, KLR Kuldur, TIXI Tiksi, ILAR Ielion Array, etc.

ISC 17 14:28:26.7,35.17N,29.51E,h54km,MD3.6,Eastern Mediterranean Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like AKAS Kas, FETY Fethiye, FEYTY Fethiye, ELLI Elmali, etc.

ISC 17 14:28:45.8,1.9,3.86N,123.49E,h0km,mb3.3/4, mb1 3.5/4, mb1mx3.3/36, mbtmp3.4/4, Error ellipse: s-maj=149.3km s-min=24.6km az=67.0, Celebes Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

JMA 17 14:31:12.0,0.1,38.54N,144.60E,h32km,ML3.5,Off east coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like OFUJ Ofunato, MIYJ Miyakonagasawa, JMK Ichinoseki, etc.

ISC 17 14:51:16.3,3.5,3.60S,139.79E,h106km,34km,mb3.3/3, mb1 3.5/6, mb1mx3.3/27, mbtmp3.8/6, Error ellipse: s-maj=36.7km s-min=14.0km az=103.0,Irian Jaya

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PMG Port Moresby, WRA Warramunga Arr, WRA Warramunga Arr, FITZ Fitzroy Crossi, etc.

ISCJB 17 15:03:05.0,0.7,24.80S,0.1:180.0W,0.1,h496km, mb3.8/8, Error ellipse: s-maj=10.1km s-min=10.1km az=31.2

IDC 17 15:03:04.5,2.4,24.82S,179.85W,h483km,28km,mb3.4/9, mb1 3.6/11, mb1mx3.4/29, mbtmp4.4/11, Error ellipse: s-maj=22.2km s-min=17.1km az=134.0

ISC 17 15:03:05.3,0.7,24.9S,0.1:179.8W,0.1,h496km,n18, c0997/18,mb3.8/8,South of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like AFI Afiamalu, URZ Urewera, URZ Urewera, PRZ Rata Peaks, etc.

ATH 17 15:10:41.5,4.1,29N,24.29E,h16km,2km,ML2.4/15, Error ellipse: s-maj=2.0km s-min=0.8km az=341.0

ISCJB 17 15:10:41.5,0.5,41.32N,0.02:24.28E,0.02,h5km,3km, Error ellipse: s-maj=3.2km s-min=2.6km az=147.1

CSEM 17 15:10:41.7,0.1,41.29N,24.30E,h2km,ML2.7, Error ellipse: s-maj=2.9km s-min=2.2km az=59.0

SOF 17 15:10:42.1,4.1,29N,24.29E,h5km,MD2.5

THE 17 15:10:42.3,4.1,27N,24.28E,h2km,1km,ML2.7/10, Error ellipse: s-maj=1.6km s-min=0.7km az=219.0

BE0 17 15:10:43.0,0.8,41.27N,0.02:24.28E,0.02,h2.6/8

ISC 17 15:10:42.1,0.1,41.28N,0.02:24.29E,0.02,h8km,8km, n76,c067/135,Greece-Bulgaria border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like NVR Nevrokopi, KAVA Kavala, KAVA Kavala, etc.

SRS Serrai, SRS Serrai, SOH Sokhos, SOH Sokhos, SOH Sokhos, etc.

PLD Plovdiv, RDO Rodhopi, RDO Rodhopi, RDO Rodhopi, etc.

RDO Rodhopi, RDO Rodhopi, RDO Rodhopi, RDO Rodhopi, etc.

OUR Ouranopolis, OUR Ouranopolis, OUR Ouranopolis, etc.

OUR Ouranopolis, OUR Ouranopolis, OUR Ouranopolis, etc.

KNT Kendrikon, KNT Kendrikon, KNT Kendrikon, etc.

PLG Polygyros, PLG Polygyros, PLG Polygyros, etc.

HORT Hortiatis, HORT Hortiatis, HORT Hortiatis, etc.

HORT Hortiatis, HORT Hortiatis, HORT Hortiatis, etc.



Table with columns: SRS, Serrai, 1.62 305 P, Pn, 15 28 54.4 -0.1, etc.

ISK 17 15:28:41.9, 38.72N, 43.35E, h5km, MD2.8
ICAJB 17 15:28:43.6, 0.5, 38.71N, 0.03:43.39E:0.06, h14km, 6km,

CSEM 17 15:28:43.2, 0.3, 38.71N, 43.39E, h9km, MD2.8, Error
ellipse: s-maj=6.6km s-min=5.0km az=97.0,

DDA 17 15:28:43.3, 38.70N, 43.34E, h9km, Md2.7
ISC 17 15:28:43.9, 0.9, 38.69N, 0.03:43.39E:0.03, h15km, 6km,

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

IDC 17 15:31:34.3, 1.2, 36.82N, 143.32E, h0km, mb3.5/3,
mb1 3.7/6, mb1mx3.5/42, mbtmp3.6/6, ML3.5/3, Error

ISCJB 17 15:31:37.0, 0.7, 36.88N, 0.04:143.24E:0.06, h33km,
mb3.6/3, Error ellipse: s-maj=6.4km s-min=5.3km az=11.9

JMA 17 15:31:37.6, 0.5, 36.88N, 143.20E, h0km, mb3.4/3, Error
ellipse: s-maj=3.3km s-min=2.2km az=114.0

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

IDC 17 15:33:31.4, 0.7, 17.69S, 172.88W, h0km, mb4.4/12,
mb1 4.6/12, mb1mx4.4/33, mbtmp4.4/12, MS3.9/14,

ISCJB 17 15:33:32.0, 2.2, 17.57S, 0.05:172.80W:0.06, h21km,
mb4.8/67, MS4.0/15, Error ellipse: s-maj=27.1km

NEIC 17 15:33:34.8, 1.0, 17.52S, 172.88W, h22km, 6km, mb5.0/44,
Error ellipse: s-maj=11.8km s-min=6.2km az=129.0

BUI 17 15:33:36.3, 17.36S, 172.82W, h38km, mb4.9/26,
mb5.3/21, MS5.1/14, MS7.4/13

MOS 17 15:33:37.6, 2.6, 17.56S, 173.00W, h33km, mb4.8/13,
Error ellipse: s-maj=12.7km s-min=12.0km az=149.8

ISC 17 15:33:37.0, 4.0, 17.68S, 0.08:172.67W:0.08, h21km,
n236, r146, 236, mb4.9/67, MS4.0/16, 13C-11D, Tonga

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

Main table with columns: MXZ, Matakaoa Point, 21.34 200 eP, P, 15 38 22.1 +1.7, etc.

Main table with columns: S22A, 4UR Ranch, Cre, 82.80 47 eP, P, 15 45 57.9 0.0, etc.



mb1 4.2/9, mb1mx3.8/38, mbtmp4.0/9, MS3.5/10, Ms1 3.5/10, ms1mx3.2/35, Error ellipse: s-maj=30.0km s-min=19.8km az=20.0  
 ISCBJ 17 16:18:42.0.5, 23.3N.0:1.44:87W.0:07, h15km, mb4.5/30, MS3.5/10, Error ellipse: s-maj=14.9km s-min=8.7km az=2.6  
 NEIC 17 16:18:43.1±0.3, 23.28N.44:87W, h10km, mb4.7/24, Error ellipse: s-maj=10.6km s-min=6.3km az=182.0  
 ISC 17 16:18:43.9±0.6, 23.3N.0:1.44:86W.0:09, h15km, n55, ±0.76/44, mb4.6/30, MS3.6/10, Northern Mid-Atlantic

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h m s	ISC
SJG	San Juan	20.56	260	LR	16 29 31.0			
IDE	Isa Descecho	21.68	261	P	16 23 32.1 -2.2			
BBTS	Babate	28.09	103	LR	16 33 16.6			
SDV	Santo Domingo	28.53	244	LR	16 34 44.1			
RUSC	La Rusia	32.21	242	P	16 25 12.8 +0.6			
ROSC	El Rosal	33.82	242	LR	16 37 54.6			
ERUF	Buffalo	34.26	313	P	16 25 28.6 -0.7			
ERPA	Erie	34.72	311	P	16 25 33.1 -0.2			
BCIP	Isa Barro Col	36.28	253	P	16 25 47.8 +0.8			
ESLA	Sonsea Array	38.16	55	P	16 26 02.4 -0.4			
DBIC	Dimbokro	41.83	107	P	16 26 32.5 -0.9			
DBIC	Dimbokro	41.83	107	LR	16 40 35.5			
DBIC	Dimbokro	41.83	107	P	16 26 32.0 -1.4			
H10N3	ASCENSION HYDR2.86	133	T	T	17 12 30.5			
H10N2	ASCENSION HYDR2.86	133	T	T	17 12 39.3			
H10N1	ASCENSION HYDR2.86	133	T	T	17 12 39.8			
H10S3	ASCENSION HYDR4.56	134	T	T	17 13 08.4			
H10S1	ASCENSION HYDR4.56	134	T	T	17 13 10.8			
H10S2	ASCENSION HYDR4.56	134	T	T	17 13 08.2			
TOA1	Torodi Arr. Sit	45.18	94	P	16 27 00.0 -0.4			
TORD	Torodi Arr. Bea	45.18	94	P	16 27 00.0 -0.5			
TORD	Torodi	45.18	94	LR	16 44 30.5			
LPAZ	La Paz	45.42	212	P	16 27 03.4 +0.4			
LPAZ	La Paz	45.42	212	P	16 27 04.3 +1.3			
ULM	Luc du Bonnet	47.74	318	P	16 27 19.8 -0.3			
ULM	Luc du Bonnet	47.74	318	LR	16 44 11.9			
WMOK	Wichita Mounta	48.03	296	P	16 27 22.9 +0.2			
MSTX	Muleshoe	51.36	296	P	16 27 47.8 -0.4			
BW06	Boulder Array	56.28	307	P	16 28 23.6 -0.6			
PD31	Pinedale Array	56.28	307	P	16 28 23.6 -0.6			
PDAR	Pinedale Array	56.28	307	P	16 28 23.5 -0.7			
PDAR	Pinedale Array	56.28	307	LR	16 42 38.3			
PDAR	Pinedale Array	56.28	307	P	16 28 23.2 -1.0			
GMOT	Greyhiff	56.29	310	P	16 28 29.9 +0.6			
W18A	Petrified Fore	56.98	298	P	16 28 29.9 +0.6			
SRU	San Rafael Swe	57.21	303	P	16 28 30.9 +0.0			
IMW	Indian Meadow	57.26	308	P	16 28 31.5 +0.3			
TPAW	Teton Pass	57.28	308	P	16 28 31.8 +0.5			
FXWY	Fox Creek	57.33	308	P	16 28 31.5 -0.2			
HWUT	Hardware Ranch	57.83	306	P	16 28 34.6 -0.5			
SPUT	South Promonto	58.51	309	P	16 28 39.8 -0.1			
MCMT	McKenzie Canyo	59.59	309	P	16 28 39.8 -0.7			
MTPU	Mount Pierson	58.61	301	P	16 28 41.3 +0.4			
FINES	FINESSE Array B	60.74	31	LR	16 52 30.4			
MFID	Camas Ranch	60.83	308	P	16 28 55.5 -0.3			
NEW	Newport	61.36	314	P	16 28 58.7 -0.4			
SPA0	Spitsbergen Ar	61.60	12	P	16 29 00.6 +0.3			
AKASG	Malin Array Be	62.39	44	P	16 29 07.2 +1.3			
AKKB	Malin Array Si	62.39	44	P	16 29 06.1 +0.2			
SNDA	J Saunders Pla	62.84	297	P	16 29 10.9 +1.4			
BR101	Keskin Array S	66.95	55	P	16 29 37.2 +1.0			
BRTR	Keskin Array B	66.95	55	P	16 29 37.2 +1.0			
INK	Inuvik	68.13	336	P	16 29 42.6 -0.3			
INK	Inuvik	68.13	336	P	16 29 42.1 -0.7			
IL1	Eielsen Array	74.17	334	P	16 30 19.4 -0.2			
ILAR	Eielsen Array	74.18	334	P	16 30 19.6 0.0			
ILAR	Eielsen Array	74.18	334	LR	17 01 46.4			
ILB	Eielsen Array	74.18	334	P	16 30 20.0 +0.4			
CCB	Clear Creek Bu	74.59	334	P	16 30 22.6 +0.6			
TIXI	Tiksi	85.24	2	P	16 31 19.9 +0.4			

GUC 17 16:30:17.0±0.5, 36.96S:73.45W, h12km±2km, ML3.1, Near coast of central Chile

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h m s	ISC
CCSP	San Pedro de C	0.30	68	P	16 30 22.8 -0.3			
CCSP	San Pedro de C	0.30	68	P	16 30 26.9 -0.3			
CCSP	San Pedro de C	0.30	68	P	16 30 30.5			
COCH	Cobquecura	0.98	33	P	16 30 34.2 -1.7			
COCH	Cobquecura	0.98	33	P	16 30 46.7 -2.1			
COCH	Cobquecura	0.98	33	P	16 30 48.8			
CCHI	Chilian	1.16	73	P	16 30 36.8 -2.1			
CCHI	Chilian	1.16	73	P	16 30 51.9 -2.0			
CCHI	Chilian	1.16	73	P	16 31 00.5			
TMU	Temuco	1.90	159	P	16 30 48.9 -0.3			
TMU	Temuco	1.90	159	P	16 31 12.4 -0.6			
TMU	Temuco	1.90	159	P	16 31 21.7			
GO05	Hualae0	2.30	33	P	16 30 54.5 -0.3			
GO05	Hualae0	2.30	33	P	16 31 30.0			

MEX 17 16:37:25±1.1, 17.42N:95.12W, h130km±13km, MD3.9, Oaxaca

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h m s	ISC
TUIG	Tuzandepetl	0.90	47	P	16 37 46.9 -0.5			
TUIG	Tuzandepetl	0.90	47	P	16 38 01.3 -2.7			
VHO	Vista Hermosa	1.58	257	P	16 37 53.8 -0.8			
VHO	Vista Hermosa	1.58	257	P	16 39 15.7 -1.2			
HUIG	Huatulco	1.90	210	P	16 37 56.9 -1.3			
HUIG	Huatulco	1.90	210	P	16 38 20.9 -2.4			
TGIG	Tehuacan	2.02	108	P	16 37 58.7 -0.9			
TGIG	Tehuacan	2.02	108	P	16 38 24.7 -1.1			
TPIG	Tehuacan	2.35	295	P	16 38 03.3 -0.6			
TPIG	Tehuacan	2.35	295	P	16 38 31.4 -2.1			

PCIG 2.50 133 eP Pn 16 38 03.8 -1.8  
 PCIG 2.50 133 eP Sn 16 38 34.2 -2.2  
 PNIG Pinotepa 3.06 251 iP Pn 16 38 10.8 -2.0  
 CNIG Comitan 3.07 111 iP Pn 16 38 47.1 -2.2  
 CCGIG Comitan 3.07 111 iS Pn 16 38 06.5 -6.6  
 CCGIG Comitan 3.07 111 iS Sn 16 38 43.1 -6.8

ISCBJ 17 16:38:00.9±0.8, 14:66S:0:08-166:62E:0:09, h36km, mb4.4/8, Error ellipse: s-maj=13.2km s-min=10.7km az=160.1

NEIC 17 16:38:00.2±0.7, 14:63S:166:57E, h10km, mb4.5/5, Error ellipse: s-maj=12.9km s-min=11.2km az=193.0  
 IDC 17 16:38:02.9±13.0, 14:93S:166:14E, h0km, mb4.0/3, mb1 4.2/4, mb1mx3.8/28, mbtmp4.0/4, ML3.8/1, Error ellipse: s-maj=23.6km s-min=37.1km az=58.0  
 ISC 17 16:38:03.4±0.9, 14:84S:169:166:56E:0:1, h36km, n15, ±1.03/10, mb4.2/8, Vanuatu Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h m s	ISC
DZM	Mont Dzumac	7.40	181	Pn	16 39 48.3 -0.7			
DZM	Mont Dzumac	7.40	181	Pn	16 41 10.7 -1.0			
DZM	Mont Dzumac	7.40	181	Pn	16 39 47.9 -1.0			
DZM	Mont Dzumac	7.40	181	Pn	16 41 03.8 -7.9			
DZM	Mont Dzumac	7.40	181	Pn	16 41 10.7 -1.0			
DZM	Mont Dzumac	7.40	181	Pn	16 40 31.9 0.0			
FUNA	Honiaru	8.32	308	Pn	16 41 15.0 -0.7			
FUNA	Honiaru	8.32	308	Pn	16 41 15.0 -0.7			
URZ	Ureuera	25.30	160	Pn	16 43 27.9 +1.4			
STKA	Stephens Creek	28.58	229	P	16 43 56.1 0.0			
STKA	Stephens Creek	28.58	229	P	16 43 55.8 -0.4			
WB2	Warramunga Arr	31.23	256	P	16 44 18.0 -1.8			
WR1	Warramunga Arr	31.24	256	P	16 44 19.9 +0.1			
WRA	Warramunga Arr	31.24	256	P	16 44 19.9 +0.1			
AS01	Alice Springs	32.07	249	P	16 44 27.8 +0.6			
AS31	Alice Springs	32.12	249	P	16 44 27.4 -0.2			
ASAR	Alice Springs	32.12	249	P	16 44 27.4 -0.2			
BBOO	Buckleboe	33.14	232	P	16 44 35.8 -0.7			
MCQ	Macquarie Isla	40.22	187	P	16 45 38.5 +2.2			

VIE 17 16:40:05.1±0.4, 45:07N:11:93E, h7km±4km, mb1.9/6, ML2.4/14, Error ellipse: s-maj=3.1km s-min=1.5km az=11.0

CSEM 17 16:40:06.0±0.3, 45:06N:11:97E, h5km, ML2.5/13, Error ellipse: s-maj=4.8km s-min=3.6km az=19.0  
 ROM 17 16:40:07.3±0.2, 45:07N:11:92E, h5km, Md2.5/7, M2.0/3, Error ellipse: s-maj=2.7km s-min=2.0km az=47.0  
 ISC 17 16:40:07.1±0.9, 45:07N:11:95E:0:02, h18km±4km, n66, ±0.94/104.5D, Northern Italy

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h m s	ISC
ADRI	Adria, Italy	0.06	123	Op	16 40 07.0 +0.6			
ADRI	Adria, Italy	0.06	123	Op	16 40 13.1 +0.5			
ADRI	Adria, Italy	0.06	123	Op	16 40 09.7 +0.6			
ADRI	Adria, Italy	0.06	123	Op	16 40 13.1 +0.5			
TEOL	Teolo	0.35	326	Pg	16 40 14.3 +0.1			
TEOL	Teolo	0.35	326	Pg	16 40 20.1 +0.1			
TEOL	Teolo	0.35	326	Pg	16 40 20.1 +0.1			
TEOL	Teolo	0.35	326	Pg	16 40 14.3 +0.5			
TEOL	Teolo	0.35	326	Pg	16 40 20.1 +0.1			
MTLO	Montello	0.75	8	Pg	16 40 22.4 +0.8			
MTLO	Montello	0.75	8	Pg	16 40 22.4 +0.8			
MARN	Marana (Italy)	0.77	318	Pg	16 40 21.8 -0.2			
MARN	Marana (Italy)	0.77	318	Pg	16 40 32.8 +0.7			
MARN	Marana (Italy)	0.77	318	Pg	16 40 21.8 -0.2			
CGRP	Cima Grappa	0.82	353	Pg	16 40 23.3 +0.5			
CGRP	Cima Grappa	0.82	353	Pg	16 40 23.3 +0.5			
CGRP	Cima Grappa							





MRHZ	Matea Rd	2.52 246	PN	Pn	17 32 06.1	-0.6
MRHZ			AML	AML	17 32 41.2	
MRHZ			AML	AML	17 32 41.5	
CKHZ	Cape Kidnapper	2.56 224	Pn	Pn	17 32 05.9	-1.1
CKHZ			AML	AML	17 32 41.3	
CKHZ			AML	AML	17 32 42.0	
BKZ	Black Stump Fm	2.62 238	ePn	Pn	17 32 07.2	-0.8
BKZ			ePn	Pn	17 32 07.4	-0.5
BKZ			eSn	Sn	17 32 43.6	+5.0
BKZ	Black Stump Fm	2.62 238	PN	Pn	17 32 07.2	-0.8
BKZ			AML	AML	17 32 41.3	
BKZ			AML	AML	17 32 43.6	
MCHZ	McNeill Hill	2.64 231	Pn	Pn	17 32 07.7	-0.5
MCHZ			PN	Pn	17 32 07.7	-0.5
MCHZ			AML	AML	17 32 44.4	
MCHZ			AML	AML	17 32 48.6	
KAHZ	Kahuranaki	2.76 224	PN	Pn	17 32 08.9	-1.0
KAHZ			PN	Pn	17 32 08.9	-1.0
KAHZ			AML	AML	17 32 50.8	
KAHZ			AML	AML	17 32 51.9	
KWHZ	Kaweka Forest	2.80 234	AML	AML	17 32 47.6	
KWHZ			AML	AML	17 32 48.1	
PXZ	Pawanui	2.94 221	ePn	Sn	17 32 10.5	-1.8
PXZ			eSn	Sn	17 32 52.8	+4.6
PXZ			PN	Pn	17 32 10.5	-1.8
PXZ			AML	AML	17 32 51.4	
PXZ			AML	AML	17 32 51.4	
PXZ			AML	AML	17 32 52.7	
KRHZ	Kereru	2.96 231	PN	Pn	17 32 11.6	-1.0
KRHZ			AML	AML	17 32 50.8	
KRHZ			AML	AML	17 32 52.6	
KRHZ			AML	AML	17 32 52.7	
TLZ	Tolley Road	3.06 259	PN	Pn	17 32 12.3	-1.6
TOZ	Tahuroa Road	3.06 271	ePn	Pn	17 32 12.3	-1.6
TOZ			PN	Pn	17 32 12.3	-1.6
TOZ			AML	AML	17 32 51.3	
TOZ			AML	AML	17 32 51.3	
BHZ	Black Hill Sta	3.07 236	PN	Pn	17 32 13.6	-0.4
BHZ	Black Hill Sta	3.07 236	PN	Pn	17 32 13.6	-0.4
BHZ			AML	AML	17 32 53.3	
BHZ			AML	AML	17 32 55.8	
KUZ	Kuaotunu	3.10 289	ePn	Pn	17 32 11.3	-3.1
KUZ	Kuaotunu	3.10 289	PN	Pn	17 32 11.3	-3.1
KUZ			AML	AML	17 32 54.9	
KUZ			AML	AML	17 32 56.7	
WPHZ	Waipukurau	3.19 225	Pn	Pn	17 32 14.2	-1.5
WPHZ			PN	Pn	17 32 14.2	-1.5
WPHZ			AML	AML	17 32 56.2	
WPHZ			AML	AML	17 32 56.2	
PNHZ	Pukenui	3.23 229	PN	Pn	17 32 15.4	-0.9
PNHZ			PN	Pn	17 32 15.4	-0.9
PNHZ			AML	AML	17 32 57.5	
PNHZ			AML	AML	17 32 57.5	
PRHZ	Porangahau	3.23 220	PN	Pn	17 32 14.3	-1.9
PRHZ	Porangahau	3.23 220	PN	Pn	17 32 14.3	-1.9
PRHZ			AML	AML	17 32 58.6	
PRHZ			AML	AML	17 32 58.6	
MOVZ	Moawhango	3.24 240	AML	AML	17 33 00.0	
MOVZ			AML	AML	17 33 04.4	
WHVZ	Whangaehu Hut	3.30 243	PN	Pn	17 32 16.7	-1.2
WHVZ	Whangaehu Hut	3.30 243	PN	Pn	17 32 16.7	-1.2
WHVZ			AML	AML	17 33 05.7	
WHVZ			AML	AML	17 33 13.3	
WNVZ	Wahianoa	3.31 242	ePn	Pn	17 32 16.4	-1.0
WNVZ	Wahianoa	3.31 242	ePn	Pn	17 32 16.3	-1.1
TRVZ	Tarua	3.33 243	AML	AML	17 33 01.6	
TRVZ			AML	AML	17 33 17.1	
MKAZ	Moumakai	3.42 281	ePn	Pn	17 32 16.9	-1.9
MKAZ			PN	Pn	17 32 16.9	-1.9
MKAZ			AML	AML	17 32 58.8	
MKAZ			AML	AML	17 32 59.1	
TSZ	Takapari Road	3.46 229	PN	Pn	17 32 17.6	-1.8
TSZ	Takapari Road	3.46 229	PN	Pn	17 32 17.6	-1.8
TSZ			AML	AML	17 33 03.7	
TSZ			AML	AML	17 33 12.0	
GRZ	Great Barrier	3.50 296	PN	Pn	17 32 17.0	-2.9
GRZ			AML	AML	17 33 06.7	
GRZ			AML	AML	17 33 09.0	
DVHZ	Dannevirke	3.50 224	AML	AML	17 33 03.2	
DVHZ			AML	AML	17 33 10.7	
WIAZ	Waiheke Island	3.52 286	PN	Pn	17 32 18.4	-1.9
WIAZ			AML	AML	17 32 25.7	
WIAZ			AML	AML	17 33 01.8	
HIZ	Hauti	3.62 258	ePn	Pn	17 32 24.8	+3.3
ETAZ	East Tamaki Re	3.64 283	PN	Pn	17 32 20.2	-1.5
ETAZ	East Tamaki Re	3.64 283	PN	Pn	17 32 20.2	-1.5
BFZ	Birch Farm	3.74 219	ePn	Pn	17 32 20.2	-3.0
BFZ			ePn	Pn	17 32 20.2	-3.0
BFZ			eSn	Sn	17 32 07.9	
BFZ			AML	AML	17 33 07.9	
BFZ			AML	AML	17 33 07.9	
BFZ			AML	AML	17 33 08.1	
BFZ			AML	AML	17 33 08.1	
PRWZ	Pori Road	3.79 223	PN	Pn	17 32 21.9	-1.9
PRWZ	Pori Road	3.79 223	PN	Pn	17 32 21.9	-1.9
PRWZ			AML	AML	17 33 12.3	
PRWZ			AML	AML	17 33 15.6	
POWZ	Post Office Ro	3.79 226	AML	AML	17 33 12.7	
POWZ			AML	AML	17 33 16.8	
AWAZ	Awhitu Peninsula	3.83 280	PN	Pn	17 32 23.4	-1.0
VRZ	Vera Road	3.84 249	PN	Pn	17 32 24.7	+0.2
VRZ			PN	Pn	17 32 24.7	+0.2
VRZ			AML	AML	17 33 14.0	
VRZ			AML	AML	17 33 21.7	
Wanganui		3.92 239	AML	AML	17 33 16.8	
WAZ		3.93 218	PN	Pn	17 32 23.1	-2.7
CPWZ	Castlepoint	3.93 218	PN	Pn	17 32 23.1	-2.7
CPWZ			AML	AML	17 33 14.1	
CPWZ			AML	AML	17 33 15.5	
RVAZ	Riverhead Bore	3.96 284	PN	Pn	17 32 24.8	-1.3
RVAZ			PN	Pn	17 32 24.8	-1.3
TIWZ	Tintock	3.99 221	PN	Pn	17 32 24.1	-2.6
TIWZ			PN	Pn	17 32 24.1	-2.6
TIWZ			AML	AML	17 33 19.9	
TIWZ			AML	AML	17 33 23.5	
MRZ	Mangatainoka R	4.08 225	ePn	Pn	17 32 25.3	-2.5
MRZ	Mangatainoka R	4.08 225	PN	Pn	17 32 25.3	-2.5
MRZ			AML	AML	17 33 17.6	
MRZ			AML	AML	17 33 17.8	
TMWZ	Te Maipa	4.24 218	AML	AML	17 33 21.4	
TMWZ			AML	AML	17 33 22.8	
HOWZ	Holdsworth Sta	4.28 223	PN	Pn	17 32 27.9	-2.6
HOWZ	Holdsworth Sta	4.28 223	PN	Pn	17 32 27.9	-2.6
HOWZ			AML	AML	17 33 20.9	
HOWZ			AML	AML	17 33 22.9	
OGWZ	Otaki Gorge	4.41 226	AML	AML	17 33 26.1	
OGWZ			AML	AML	17 33 26.1	
WCZ	Waipu Caves	4.44 294	AML	AML	17 32 50.5	
WCZ			AML	AML	17 32 51.8	
MTW	Mount Morrison	4.47 221	ePn	Pn	17 32 29.8	-3.4
MTW			eSn	Sn	17 32 25.0	+1.1
MTW	Mount Morrison	4.47 221	PN	Pn	17 32 29.8	-3.4
MTW			AML	AML	17 33 25.0	
MTW			AML	AML	17 33 27.0	
TRWZ	Traveller	4.56 217	ePn	Pn	17 32 30.0	-4.2
TRWZ			eSn	Sn	17 32 29.0	+3.0
TRWZ	Traveller	4.56 217	PN	Pn	17 32 30.0	-4.2
TRWZ			AML	AML	17 33 27.0	
TRWZ			AML	AML	17 33 31.4	
KIW	Kapiti Island	4.59 227	eSn	Sn	17 33 28.9	+2.0
KIW	Kapiti Island	4.59 227	AML	AML	17 33 28.9	
KIW			AML	AML	17 33 29.7	
CAW	Cannon Point	4.67 224	AML	AML	17 33 30.7	
CAW			AML	AML	17 33 32.8	
PAWZ	Paruawai Farm	4.67 219	ePn	Sn	17 33 32.1	-3.9
PAWZ			eSn	Sn	17 33 30.4	+1.5
PAWZ	Paruawai Farm	4.67 219	PN	Pn	17 33 32.1	-3.9
PAWZ			AML	AML	17 33 30.3	
PAWZ			AML	AML	17 33 34.4	
MSWZ	Moikau Station	4.79 220	AML	AML	17 33 31.9	
MSWZ			AML	AML	17 33 32.5	
PLWZ	Palliser	4.90 219	PN	Pn	17 32 31.8	-7.3
PLWZ			AML	AML	17 33 34.0	
PLWZ			AML	AML	17 33 37.8	
BHW	Baring Head	4.98 223	ePn	Pn	17 32 37.1	-3.0

BHW	Baring Head	4.98 223	PN	Pn	17 32 37.1	-3.0
BHW			AML	AML	17 33 39.7	
BHW			AML	AML	17 33 39.8	
SNZC	South Karori	5.00 225	ePn	Sn	17 32 37.2	-3.2
SNZC			eSn	Sn	17 33 37.0	+0.1
DUWZ	D'Urville Isla	5.16 233	ePn	Pn	17 32 40.4	-2.2
DUWZ	D'Urville Isla	5.16 233	PN	Pn	17 32 40.4	-2.2
DUWZ			AML	AML	17 33 54.7	
DUWZ			AML	AML	17 34 20.9	
TCW	Tory Channel	5.18 228	ePn	Pn	17 32 40.3	-2.6
TCW			eSn	Sn	17 33 42.8	+1.5
TCW	Tory Channel	5.18 228	PN	Pn	17 32 40.3	-2.6
TCW			AML	AML	17 33 42.8	
TCW			AML	AML	17 33 46.6	
OCW	Omahuta	5.32 298	ePn	Pn	17 32 42.7	-2.1
OCW			ePn	Pn	17 32 43.1	-1.7
OCW			ePn	Pn	17 32 42.7	-2.1
OZU	Omahuta	5.32 298	AML	AML	17 32 41.1	
OZU			AML	AML	17 32 44.4	-3.0
TUWZ	Tuamarina	5.52 228	ePn	Sn	17 33 51.5	+2.0
TUWZ			eSn	Sn	17 33 53.6	
TUWZ			e		17 33 53.6	
TUWZ	Tuamarina	5.52 228	PN	Pn	17 32 44.4	-3.0
TUWZ			AML	AML	17 33 51.5	
TUWZ			AML	AML	17 33 53.6	
CMWZ	Cape Campbell	5.57 224	AML	AML	17 33 55.2	
NNZ	Nelson	5.73 232	ePn	Pn	17 32 48.3	-2.1
NNZ			AML	AML	17 33 58.1	
NNZ			AML	AML	17 34 01.1	
BSWZ	Blackbirch Sta	5.74 226	PN	Pn	17 32 45.5	-3.0
BSWZ	Blackbirch Sta	5.74 226	PN	Pn	17 32 47.5	-3.0
BSWZ			AML	AML	17 34 02.7	
BSWZ			AML	AML	17 34 04.2	
QRZ	Quartz Range	6.08 238	AML	AML	17 34 03.2	
QRZ			AML	AML	17 34 14.2	
QRZ			AML	AML	17 34 05.7	
QRZ			AML	AML	17 34 05.7	
TRZ	Tophouse	6.34 230	ePn	Sn	17 32 55.7	-3.0
TRZ			eSn	Sn	17 34 10.2	+0.5
TRZ	Tophouse	6.34 230	PN	Pn	17 32 55.7	-3.0
TRZ			AML	AML	17 34 11.3	
TRZ			AML	AML	17 34 11.9	
KHZ	Kahutara	6.40 222	eSn	Sn	17 34 07.1	-3.9
KHZ	Kahutara	6.40 222	AML	AML	17 34 11.5	
KHZ			AML	AML	17 34 13.0	
KHZ			AML	AML	17 34 13.0	
CTZ	Chatham Island	6.64 154	PN	Pn	17 32 59.6	-3.2
CTZ	Chatham Island	6.64 154	PN	Pn	17 32 59.6	-3.2
DNZ	Denniston Nort	7.01 234	AML	AML	17 34 27.6	
DSZ			AML	AML	17 34 28.5	
LTZ	Lake Taylor	7.34 225	ePn	Pn	17 34 03.0	-3.1
LTZ			eSn	Sn	17 34 03.0	-1.1
LTZ	Lake Taylor	7.34 225	AML	AML	17 34 38.3	-4.4



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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ESDC Sonseca Array, ESDC, ES19, etc.

ISC/JB 17 18:21:58.0, 0.8, 38.58N, 0.05, 43.12E, 0.07, h3km, 12km, Error ellipse: s-maj=9.8km s-min=6.9km az=152.4

ISC/JB 17 18:44:59.7, 0.4, 53.11N, 0.09, 35.5W, 0.1, h10km, mb4.1/19, MS3/2/1, Error ellipse: s-maj=13.5km

ISC/JB 17 18:50:01.2, 0.3, 38.48N, 0.43, 31E, h5km, ML3.0, Error ellipse: s-maj=6.0km s-min=4.7km az=100.0





17d 20h

UPP 17 19:06:17.2,67.05N-20.97E,h0km,ML1.5,Mining explosion.,Sweden
Code Station Name Az AZ Phase ID Time Res

KUA Kuravaara 0.94 345 P Op ISC h m s ISC
RATU Laukkulusta 0.94 326 P P Pg 19 06 34.8 -0.4
NIKALU Nikkaluokta 1.11 319 P P Pg 19 06 37.9 -0.5

CSEM 17 19:06:29.2,0.2,67.67N-20.16E,h1km,ML1.5,Error ellipse: s-maj=6.8km s-min=6.0km az=171.0,Mining explosion.
ISCJBJ 17 19:06:32.4,0.5,67.10N-0.02-21.09E,0.09,h0km,Error ellipse: s-maj=4.9km s-min=3.3km az=2.6

HEL 17 19:06:33.0,0.4,67.09N-20.76E,h0km,ML2.3,Explosion
NAO 17 19:06:34.6,1.2,67.11N-21.26E,ML2.5
BER 17 19:06:36.6,4.0,67.12N-20.94E,h0km,ML1.7,ML2.5(VAO),Suspected explosion

ISC 17 19:06:33.5,0.8,67.10N-0.03-20.99E,0.04,h0km,n29,c1504/4,Sweden
Code Station Name Az AZ Phase ID Time Res

ERTU Ertsjaerv 0.72 138 Op Pg 19 06 47.1 -0.2
LANU Lannavaara 1.03 21 PG Pg 19 06 52.5 -0.6
KALU Kalix 1.57 142 PG Pn 19 07 02.7 +0.2

KALU Kallunki 1.03 21 PG Pn 19 07 25.1 +1.4
HEF Hetta 1.66 36 PG Pn 19 07 04.4 +0.5
HEF comp=Z,19nm,0.2s MSG 19 07 25.4

HEF Hetta 1.66 36 PG Pn 19 07 25.4
TOF Tornio 1.68 126 PG Pg 19 07 07.5 +0.7

KIF Kilpisjarvi 1.92 358 PG Pn 19 07 27.1 +0.2
KIF Kilpisjarvi 1.92 358 PG Pn 19 07 09.0 -0.2
KIF Kilpisjarvi 1.92 358 PG Pn 19 07 09.6 +0.4

KIF Kilpisjarvi 1.92 358 PG Pn 19 07 32.4
KIF Kilpisjarvi 1.92 358 PG Pn 19 07 37.3 +2.4

RNF Rovaniemi 2.05 102 PG Pg 19 07 12.7,0.0
RNF Rovaniemi 19 07 40.9 +1.7
KTK1 Kautokeino 2.10 23 eS Pg 19 07 11.9 -0.5

KTK1 KTK1 19 07 40.5,0.4 IAML
SGF Sodankyl 2.18 78 PB Pn 19 07 12.5 -1.2

SGF Sodankyl 2.18 78 PB Pn 19 07 42.6 +1.4
TRO Tromso 2.66 344 eP Pg 19 07 23.7 -0.7

OUL Oulu 2.84 133 PB Pn 19 07 23.9 -1.1
UMEA Umeaa 3.23 182 PN Pn 19 07 26.8 +1.5

VAF Varrjo 3.39 75 PG Pn 19 07 37.1 -1.2
MSF Maasselka 3.44 107 PG Pn 19 07 35.4 +0.2

VAF Ylistaro 4.14 169 PN Pn 19 07 39.4 +1.6
VAF comp=Z,35nm,0.2s MSG 19 07 39.4 +1.6

HEMU Hemsosen 4.62 197 PN Pn 19 08 26.8 +0.1
APAA Apatity Array 4.67 78 Pn Pn 19 07 44.9 -0.2

APAA Apatity Array 4.67 78 Pn Pn 19 07 44.9 -0.2
APAA Apatity Array 4.67 78 Pn Pn 19 08 39.5 -0.4

APAA Apatity Array 4.67 78 Pn Pn 19 07 44.9 -0.2
APAA Apatity Array 4.67 78 Pn Pn 19 08 39.5 -0.4

APAA Apatity Array 4.67 78 Pn Pn 19 07 44.9 -0.2
APAA Apatity Array 4.67 78 Pn Pn 19 08 39.5 -0.4

FIAO FINESS Array S 6.09 156 Pn Pn 19 08 06.3 +1.6
FIAO FINESS Array S 6.09 156 Pn Pn 19 09 13.8 -1.1

FIAO FINESS Array S 6.09 156 Pn Pn 19 08 06.3 +1.6
FIAO FINESS Array S 6.09 156 Pn Pn 19 09 13.8 -1.1

NB2 NORSTAR Subarra 7.43 220 Pn Pn 19 08 23.2 +0.1
NB2 NORSTAR Subarra 7.43 220 Pn Pn 19 08 23.2 +0.1

NB2 NORSTAR Subarra 7.43 220 Pn Pn 19 08 23.2 +0.1
NB2 NORSTAR Subarra 7.43 220 Pn Pn 19 08 23.2 +0.1

HFS Hagfors 7.70 208 Pn Pn 19 08 26.8 +0.1
HFS Hagfors 7.70 208 Pn Pn 19 09 52.6 -2.0

HFS Hagfors 7.70 208 Pn Pn 19 08 26.8 +0.1
HFS Hagfors 7.70 208 Pn Pn 19 09 52.6 -2.0

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HFS Hagfors 7.70 208 Pn Pn 19 08 26.8 +0.1
HFS Hagfors 7.70 208 Pn Pn 19 09 52.6 -2.0

2011 NOV

ASAR Alice Springs 39.28 161 P 19 39 15.3 -1.2
ASAR 0.2nm,0.5s,baz=339,slow=7.6,SNR=6.4
MKAR Makanchi Array 46.04 324 pP 19 39 40.9 -1.6

ZALV Zalesovo Beam 49.08 333 P 19 40 33.5 -0.7
BVAR Borovoye Array 55.78 326 P 19 41 23.8 +0.1

GEYT Alikeb 60.11 306 P 19 41 55.0 +0.8
AKTO Aktyubinsk 62.21 320 P 19 42 07.9 -0.3

TEH 17 19:40:55.4,29.66N-51.28E,h8km,ML3.4
ICJBJ 17 19:40:56.3,0.6,29.80N-0.05-51.35E,0.05,h15km,mb3.5/3,Error ellipse: s-maj=7.9km s-min=5.5km az=39.2
CSEM 17 19:40:57.8,0.4,29.79N-51.34E,h20km,ML3.3,Error ellipse: s-maj=10.7km s-min=6.7km az=53.0

ICD 17 19:41:00.7,2.9,31.50N-50.09E,h0km,mb3.5/3,mb1.3,5/3,mb1mx3/3,3/8,mbtmp3.3/3,Error ellipse: s-maj=81.2km s-min=33.1km az=147.0
ISC 17 19:40:57.0,1.0,29.77N-0.05-51.34E,0.05,h15km,n34,c069/35,mb3.7/3,Southern Iran

AHBU AHARAM 0.91 183 Op Pg 19 41 15.9 +0.7
SHI Shiraz 1.03 97 eP Pg 19 41 16.4 -0.1

SHI Shiraz 1.03 97 eP Pg 19 41 16.4 -0.1
SHI Shiraz 1.03 97 eP Pg 19 41 16.4 -0.1

SHI Shiraz 1.03 97 eP Pg 19 41 16.4 -0.1
SHI Shiraz 1.03 97 eP Pg 19 41 16.4 -0.1

SHI Shiraz 1.03 97 eP Pg 19 41 16.4 -0.1
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CUKT Cukurca 1.45 168 ePN Pg 19 43 04.0 -1.6
CUKT Cukurca 1.45 168 ePN Pg 19 43 04.0 -1.6

TASB TABSURUN-IGDIR 1.53 30 ePN Pg 19 43 05.6 -1.5
TASB TABSURUN-IGDIR 1.53 30 ePN Pg 19 43 05.6 -1.5

BNGL BINGOL 1.65 280 P Pg 19 43 08.1 -1.4
SVAN Silvan-Diyarba 1.68 253 ePN Pg 19 43 08.6 -1.4

SVAN Silvan-Diyarba 1.68 253 ePN Pg 19 43 08.6 -1.4
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SVAN Silvan-Diyarba 1.68 253 ePN Pg 19 43 08.6 -1.4

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

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

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

ISK 17 20:34:00.6, 38°9'N, 43°73'E, h5km, MD2.9
DDA 17 20:34:00.9, 38°83'N, 43°65'E, h7km, M12.7
CSEM 17 20:34:01.7, 0.4, 38°95'N, 43°72'E, h15km, MD2.9, Error

ISC 17 20:42:38.4, 10.0, 54°38'N, 161°89'E, h40km, 10km, ML4.2
ISC 17 20:42:40.2, 0.5, 54°40'N, 161°88'E, h2km, 2.5km, az=2.4, Error ellipse: s-maj=2.2km, s-min=4.9km, az=84.9
IDC 17 20:42:42.8, 1.0, 55°33'N, 159°57'E, h0km, mb3.6/8, mb1 3.8/9, mb1mx3.5/45, mbtmp3.5/9, ML2.5/1, MS3.4/1, Ms1 3.4/1, ms1mx2.6/40, Error ellipse: s-maj=29.7km, s-min=18.7km, az=108.0

ISC 17 20:43:47.2, 1.5, 38°62'N, 0°7'43.3'E, 0.1, h26km, 14km, Error ellipse: s-maj=14.6km, s-min=10.8km, az=19.7
DDA 17 20:43:47.9, 38°66'N, 43°23'E, h7km, M12.6
ISK 17 20:43:47.4, 38°69'N, 43°33'E, h5km, MD2.5
CSEM 17 20:43:48.0, 0.3, 38°69'N, 43°23'E, h5km, ML2.6, Error ellipse: s-maj=8.7km, s-min=6.6km, az=67.0



17d 21h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GGP Guinayanang, PCPH Palayan, Santa Cruz, etc.

ATA 17:20:56:41.9e.1.8,38:80N-43:36E, h0km,8km, ML3.4, MW3.6

ISK 17:20:56:41.6,38:84N-43:56E, h5km, MD3.5

CSEM 17:20:56:42.0,38:87N-43:57E, h2km, ML3.0, Error ellipse: s-maj=8.1km s-min=5.2km az=103.0

DDA 17:20:56:42.2,38:82N-43:54E, h7km, ML3.0

ISCJB 17:20:56:43.0,38:87N-0:02-43:52E,0.04, h1km,6km, Error ellipse: s-maj=5.6km s-min=4.1km az=174.4

ISC 17:20:56:42.6,1.3,38:87N-0:02-43:55E:0.03, h6km,12km, n49, c096/57, Turkey

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

ATAH Aतालुपा 1921 156 LR comp=N,0.6nm,0.7s,baz=283,slow=4.1,SNR=3.0

TKL Tuckaleeches C 25.09 5 LR LR comp=N,92nm,18.9s,baz=250,slow=34

PTGA Pitanga 28.41 112 LR comp=N,29nm,19.6s,baz=312,slow=8,SNR=3.0

PDAR Pinedale Array 38.01 332 P P comp=N,0.8nm,0.6s,baz=114,slow=9.9,SNR=7.2

PDAR comp=N,59nm,18.7s,baz=51,slow=39 LR

Lac du Bonnet 40.38 350 P P comp=N,4.1nm,0.8s,baz=192,slow=12,SNR=3.2

SCH Schefferville 46.76 15 LR LR 21 43 24.1

ILAR comp=N,47nm,19.7s,baz=281,slow=35 P P 21 27 05.2 -0.6

Eielsand Array 68.24 336 P P comp=N,0.7nm,0.7s,baz=125,slow=4.4,SNR=9.0

ESDC Sonseca Array 77.41 52 P P comp=N,0.5nm,0.7s,baz=283,slow=4.1,SNR=4.4

TORD Torodi Ara Beas 85.53 78 P P 21 28 43.2 -2.3

ASAR Alice Springs 139.65 246 PKP PKPdf 21 35 33.6 -0.3

WRA Warramunga Arr 139.87 252 PKP PKPdf 21 35 34.1 -0.3

CMAR Chiang Mai Arr 150.73 300 PKPb PKPdf 21 35 54.7 +1.7

ISCJB 17:21:21:32.4,2.1,38:69N:0:1-43:22E:0:09, h23km,16km, Error ellipse: s-maj=16.9km s-min=11.3km az=173.0

ISK 17:21:21:32.7,38:65N-43:24E, h6km, MD2.6

CSEM 17:21:21:33.0,38:68N-43:23E, h5km, MD2.6, Error ellipse: s-maj=5.8km s-min=3.9km az=38.0

DDA 17:21:21:33.1,38:66N-43:21E, h7km, ML2.5

ISC 17:21:21:33.1,4,38:65N:0:06-43:21E:0.04, h15km,13km, n16, c0846/22, Turkey

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

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

CASC 17:21:16:07.3,2.6,10:57N-86:21W, h2km,11km, MD4.0, ML3.5

IDC 17:21:16:10.9,6.7,10:62N-86:05W, h4km,54km, mb3.5/5, mb1 3.8/6, mb1mx3.5/33, mbtmt4.3/6, ML3.7/1, MS3.3/5, Ms1 3.3/5, ms1mx2.8/23, Error ellipse: s-maj=70.5km s-min=36.2km az=28.0

ISC 17:21:16:06.3,1.5,10:55N:0:05-86:21W-0:05, h18km,6km, n44, c1952/45, mb3.7/5, MS3.4/4, 7C-1D, Off coast Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Vista de Mar, La Cruz, Bodega del ICE, etc.

SR1A San Ramon 1.76 105 Pp 21 16 40.3 +0.1

CGAZ Cerro Gallo 2 1.79 107 Pp 21 16 39.1 +0.4

MMOM Mommotombo 1.88 350 Pp 21 16 39.3 -0.8

CRIN San Cristobal 2.29 339 Pp 21 16 45.6 +2.3

CHQ Quepos 2.30 119 Pp 21 17 15.3 +0.1

LCR2 La Lucha 2 2.31 110 Pp 21 16 48.1 +0.5

CVTR Volcan Turrial 2.47 102 Pp 21 16 50.4 +0.9

TRT1 Tortuguero 2.47 89 Pp 21 16 49.8 -0.3

ISPIN Esperanzas 2.48 316 Pp 21 16 47.8 +1.9

URSC Urusac 2.50 106 Pp 21 16 34.2 +0.6

BUS Buena Vista 2.61 112 Pp 21 16 52.8 0.0

CNCA Chonchagua 3.14 330 Pp 21 16 57.2 +2.1

PACAY Pacayal 3.56 325 Pp 21 17 03.8 +2.9

LFRS El Faro 4.14 318 Pp 21 17 11.1 +2.3

RBDL Rotel 4.91 117 Pp 21 17 18.7 -2.4

ICCO Coco Island 5.04 190 Pp 21 18 41.6 +3.6

CMIG Matias Romero 10.64 309 Pp 21 26 08.0

ATAH Aतालुपा 1921 156 LR comp=N,0.6nm,0.7s,baz=283,slow=4.1,SNR=3.0

TKL Tuckaleeches C 25.09 5 LR LR 21 30 28.1

PTGA Pitanga 28.41 112 LR 21 34 24.3

PDAR Pinedale Array 38.01 332 P P 21 23 23.8 +0.1

PDAR comp=N,59nm,18.7s,baz=51,slow=39 LR 21 40 39.6

Lac du Bonnet 40.38 350 P P 21 23 40.8 -2.3

SCH Schefferville 46.76 15 LR LR 21 43 24.1

ILAR comp=N,47nm,19.7s,baz=281,slow=35 P P 21 27 05.2 -0.6

Eielsand Array 68.24 336 P P 21 27 59.2 -1.5

ESDC Sonseca Array 77.41 52 P P 21 28 43.2 -2.3

TORD Torodi Ara Beas 85.53 78 P P 21 35 33.6 -0.3

WRA Warramunga Arr 139.87 252 PKP PKPdf 21 35 34.1 -0.3

CMAR Chiang Mai Arr 150.73 300 PKPb PKPdf 21 35 54.7 +1.7

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

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

ISK 17:21:50:09.8,38:72N-43:50E, h8km, MD2.5

DDA 17:21:50:09.5,38:70N-43:44E, h7km, ML2.8

ISCJB 17:21:50:10.0,38:75N:0:04-43:51E:0.02, h14km,7km, Error ellipse: s-maj=10.9km s-min=5.9km az=16.1

CSEM 17:21:50:10.0,38:74N-43:51E, h10km, MD2.5, Error ellipse: s-maj=10.7km s-min=5.9km az=101.1

ISC 17:21:50:10.3,1,38:72N:0:04-43:53E:0.05, h17km,8km, n15, c085/20, Turkey

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

ISK 17:21:53:03.8,38:76N-43:19E, h20km, MD2.6

ISCJB 17:21:53:05.2,0.7,38:79N:0:03-43:19E:0.07, h12km, Error ellipse: s-maj=7.8km s-min=4.6km az=167.2

CSEM 17:21:53:05.2,0.3,38:78N-43:22E, h10km, MD2.6, Error ellipse: s-maj=7.4km s-min=5.2km az=82.0

DDA 17:21:53:05.1,38:76N-43:24E, h7km, ML2.6

ISC 17:21:53:05.1,1.1,38:78N:0:03-43:21E:0.04, h12km, n18, c089/24, Turkey

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

WEL 17:21:55:07.3,0.6,37:00S-177:23E, h130km,5km, ML3.5/5, 1C, Error ellipse: s-maj=7.0km s-min=5.6km az=90.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HAZ Te Kaha, MXZ Matakaoa Point, etc.

ISCJB 17:21:55:46.7,0.9,17:45S:0:2-178:5W:0:2, h547km, mb3.6/7, Error ellipse: s-maj=30.1km s-min=21.5km az=44.2

IDC 17:21:55:53.5,1.6,17:53S:178:63W, h613km,63km, mb3.2/7, mb1 3.5/7, mb1mx3.1/25, mbtmt4.2/7, Error ellipse: s-maj=32.7km s-min=25.3km az=106.0

ISC 17:21:55:47.1,0.9,17:45S:0:2-178:5W:0:2, h547km, n26, c1925/28, mb3.7/7, Fiji Islands region

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



17d 23h

2011 NOV

KSP		eSg	Sg	23 18 59.1 +0.4	VRAC	comp=N,6.2nm,0.3s,baz=325,slow=16,SNR=95	Lg	Lg	23 19 46.5	KECS	Kecovo	4.21 136	eP	Pn	23 19 40.0 +0.1	
KSP	Ksiaz	0.75 170	iP	Pg	VRAC	comp=N,7.0nm,0.3s,baz=259,slow=19,SNR=6.4	Lg	Lg	23 19 14.3 +0.5	KECS	Kecovo	4.21 136	eP	Pn	23 19 40.0 +0.1	
KSP			Sg	Sg	VRAC		Pn	Pn	23 19 14.0 +0.3	KECS	Kecovo	4.21 136	eP	Pg	23 19 55.9 +0.8	
KSP	Ksiaz	0.75 170	iP	Pg	VRAC		Pn	Pn	23 19 14.5 +0.5	KECS	Kecovo	4.21 136	eSg	Sg	23 19 49.5 +0.0	
KSP			Sg	Sg	TREC		Pn	Pn	23 19 18.6 -0.4	KECS	Kecovo	4.21 136	eP	Pg	23 19 40.0 +0.1	
UPC	Udice	1.08 182	iPG	Pg	TREC		Pn	Pn	23 19 14.7 +0.7	KECS	Kecovo	4.21 136	eP	Pg	23 19 49.5 +0.8	
UPC			eSg	Sg	TREC	comp=N,131nm,0.3s	Pn	Pn	23 19 47.2 +0.5	KECS	Kecovo	4.21 136	eP	Pg	23 19 49.5 +0.0	
UPC	comp=Z,530nm,0.3s		AMS	AMS	TREC		Pn	Pn	23 19 47.2 +0.5	ARSA	Arzberg	4.35 185	Pn	Lp	23 19 43.2 +1.3	
UPC	comp=Z,900nm,2.3s				TREC	comp=N,131nm,0.3s	Pn	Pn	23 19 14.5 +0.5	ARSA			Sg	Sg	23 20 53.0 -1.3	
UPC	Udice	1.08 182	iP	Pg	TREC		Pn	Pn	23 19 18.8 -0.4	CRVS	Cervenica-Dubn	4.37 126	eP	Pn	23 19 43.5 +1.3	
UPC			e	Sg	TREC		Pn	Pn	23 19 47.2 +0.7	CRVS	Cervenica-Dubn	4.37 126	eP	Pn	23 19 43.5 +1.3	
UPC	comp=N,530nm,0.3s		smax	smax	TREC	comp=N,131nm,0.3s	Pn	Pn	23 19 18.8 +0.4	CRVS	Cervenica-Dubn	4.37 126	eP	Pg	23 19 58.5 +0.3	
UPC	comp=Z,900nm,2.3s		MLR	MLR	TREC		Pn	Pn	23 19 58.0 -1.4	CRVS	Cervenica-Dubn	4.37 126	eP	Pg	23 19 58.5 +0.3	
UPC	Udice	1.08 182	Pg	Pg	WERD	Werda	2.64 246	ePn	Pn	23 19 18.8 +0.4	CRVS	Cervenica-Dubn	4.37 126	eP	Pg	23 19 55.0 0.0
UPC			Sg	Sg	WERD	Werda	2.64 246	eSg	Sg	23 19 18.8 -0.4	CRVS	Cervenica-Dubn	4.37 126	eP	Pg	23 19 43.5 +1.3
DPC	Dobruska-Polom	1.25 173	iPG	Pg	WERD	Werda	2.64 246	Pn	Pg	23 19 18.8 +0.4	CRVS	Cervenica-Dubn	4.37 126	eP	Pg	23 19 43.5 +1.3
DPC			eSg	Sg	WERD	Werda	2.64 246	Pg	Pg	23 19 24.9 -0.3	LLD	Lille Linde	4.41 330	iP	Pn	23 19 54.9 0.0
DPC	comp=Z,294nm,0.7s		AMS	AMS	WERD	Werda	2.64 246	Sg	Sg	23 19 58.0 -1.4	LLD	Lille Linde	4.41 330	iP	Pn	23 19 40.4 -2.2
DPC	comp=Z,800nm,3.2s		AMS	AMS	NKC	Novy Kostel	2.67 241	ePn	Pn	23 19 19.3 +0.5	LLD	Lille Linde	4.41 330	iP	Pn	23 19 40.4 -2.2
DPC	Dobruska-Polom	1.25 173	iP	Pg	NKC	Novy Kostel	2.67 241	eP	Pn	23 19 19.3 +0.5	LLD	Lille Linde	4.41 330	iP	Pn	23 19 40.4 -2.2
DPC			e	Sg	NKC	Novy Kostel	2.67 241	eP	Pn	23 19 59.9 -0.4	LLD	Lille Linde	4.41 330	iP	Pn	23 19 40.4 -2.2
DPC	comp=N,294nm,0.7s		smax	smax	NKC	Novy Kostel	2.67 241	eP	Pn	23 19 19.3 +0.5	PSZ	Piszkesteto	4.42 145	iP	Pn	23 19 44.0 +1.0
DPC	comp=Z,800nm,3.2s		MLR	MLR	NKC	Novy Kostel	2.67 241	Pn	Pn	23 19 59.9 -0.4	PSZ	Piszkesteto	4.42 145	iP	Pn	23 19 44.0 +1.0
DPC	Dobruska-Polom	1.25 173	eP	Pg	NKC	Novy Kostel	2.67 241	Pn	Pn	23 19 19.3 +0.5	PSZ	Piszkesteto	4.42 145	iP	Pn	23 19 43.9 +1.0
DPC			eSg	Sg	NKC	Novy Kostel	2.67 241	Pg	Pg	23 19 26.4 +0.7	PSZ	Piszkesteto	4.42 145	iP	Pn	23 19 44.1 +0.8
DPC	Dobruska-Polom	1.25 173	iP	Pg	NKC	Novy Kostel	2.67 241	Pg	Pg	23 19 59.9 -0.4	KWP	Kalwaria Pacia	4.65 112	ePn	Pn	23 20 01.8 -1.8
DPC	comp=Z,294nm,0.7s		eS	Sg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 18.4 -1.1	KWP	Kalwaria Pacia	4.65 112	ePn	Pn	23 20 01.8 -1.8
DPC	comp=Z,800nm,3.2s		Sg	Sg	OJC	Ojcow	2.72 119	eP	Pn	23 19 27.5 +0.9	KWP	Kalwaria Pacia	4.65 112	ePn	Pn	23 20 01.8 -1.8
DPC	Panska Ves	1.43 223	iPG	Pg	OJC	Ojcow	2.72 119	eSg	Sg	23 19 51.1 -1.9	KWP	Kalwaria Pacia	4.65 112	ePn	Pn	23 20 01.8 -1.8
DPC			eSg	Sg	OJC	Ojcow	2.72 119	eSg	Sg	23 19 26.8 +0.8	KWP	Kalwaria Pacia	4.65 112	ePn	Pn	23 20 01.8 -1.8
DPC	comp=Z,1um,0.5s		Pg	Pg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 18.4 -1.1	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	Panska Ves	1.43 223	iP	Pg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 18.4 -1.1	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC			e	Sg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	comp=N,1um,0.5s		smax	smax	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	Panska Ves	1.43 223	Pg	Pg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 18.4 -1.1	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC			Sg	Sg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 18.4 -1.1	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	Dobruska-Polom	1.25 173	eP	Pg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 18.4 -1.1	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC			eSg	Sg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 18.4 -1.1	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	Dobruska-Polom	1.25 173	iP	Pg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	comp=Z,294nm,0.7s		smax	smax	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	comp=Z,800nm,3.2s		MLR	MLR	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	Dobruska-Polom	1.25 173	eP	Pg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC			eSg	Sg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	Dobruska-Polom	1.25 173	iP	Pg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	comp=Z,294nm,0.7s		smax	smax	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	comp=Z,800nm,3.2s		MLR	MLR	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	Dobruska-Polom	1.25 173	eP	Pg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC			eSg	Sg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	Dobruska-Polom	1.25 173	iP	Pg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	comp=Z,294nm,0.7s		smax	smax	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	comp=Z,800nm,3.2s		MLR	MLR	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	Dobruska-Polom	1.25 173	eP	Pg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC			eSg	Sg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	Dobruska-Polom	1.25 173	iP	Pg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	comp=Z,294nm,0.7s		smax	smax	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	comp=Z,800nm,3.2s		MLR	MLR	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	Dobruska-Polom	1.25 173	eP	Pg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC			eSg	Sg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	Dobruska-Polom	1.25 173	iP	Pg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	comp=Z,294nm,0.7s		smax	smax	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	comp=Z,800nm,3.2s		MLR	MLR	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	Dobruska-Polom	1.25 173	eP	Pg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC			eSg	Sg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	Dobruska-Polom	1.25 173	iP	Pg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	comp=Z,294nm,0.7s		smax	smax	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	comp=Z,800nm,3.2s		MLR	MLR	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	Dobruska-Polom	1.25 173	eP	Pg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC			eSg	Sg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	Dobruska-Polom	1.25 173	iP	Pg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	comp=Z,294nm,0.7s		smax	smax	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	comp=Z,800nm,3.2s		MLR	MLR	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	Dobruska-Polom	1.25 173	eP	Pg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC			eSg	Sg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	Dobruska-Polom	1.25 173	iP	Pg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	comp=Z,294nm,0.7s		smax	smax	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	comp=Z,800nm,3.2s		MLR	MLR	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	Dobruska-Polom	1.25 173	eP	Pg	OJC	Ojcow	2.72 119	ePn	Pn	23 19 27.6 +0.9	BLEU	Blekinge	4.73 358	P	Sn	23 19 48.0 +0.9
DPC	</															



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H10N3 ASCENSION HYDR 7.77 167, H10N1 ASCENSION HYDR 7.78 167, etc.

IDC 17 23:54:41.5:2.8,0.76S:16.05W,h0km,mb3.7/3, mb1 3.9/4, mb1mx3.4/35, mbtm3.8/4, ML3.5/1, Error ellipse: s-maj=95.3km s-min=38.5km az=157.0, North of Ascension Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DBIC Dimboko, TORD Torodi Ar. Bea, GERES Geres Array B, etc.

ISCJBJ 17 23:54:52.9:0.4,0.08N:0.09:16.36W:0.07,h13km, mb4.3/28, Error ellipse: s-maj=13.8km s-min=8.6km az=155.1

IDC 17 23:54:52.5:0.6,0.03N:16.46W,h0km,mb4.1/15, mb1 4.3/15, mb1mx4.0/34, mbtm4.1/15, Error ellipse: s-maj=20.0km s-min=15.7km az=152.0

NEIC 17 23:54:54.1:0.3,0.17N:16.40W,h10km,mb4.5/8, Error ellipse: s-maj=11.8km s-min=7.5km az=160.0

GCMT 17 23:54:54.1:0.3,0.06N:16.46W,h15km,km,MW4.9/78, Moment Tensor Solution. s22:c25; s78:c17; Duration: 0. Moment tensor: Scale 10^19Nm; Mr:2.46e-18;

Mw:0.48e-10; Ms:1.99e-11; Mw:0.17e-23; Mw:0.91e-06; Mw:0.53e-18; Best double couple: M=2.498000e1016 NP1=337.000000; s51.000000; s88.000000; NP2: s51.337.000000; s39.000000; s92.000000. Principal axes: T:2.4740, Plg6.00000; Azm65.00000; N:0.0560, Plg2.00000; Azm155.00000; P:-2.5230, Plg83.00000; Azm259.00000; ns1a1 refers to body waves, cutoff=40s. ns1a2 refers to surface waves, cutoff=50s.

ISC 17 23:54:56.0:5.0,0.1N:0.1:16.37W:0.09,h13km,n44, s123/35,mb4.4/29, North of Ascension Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H10N2 ASCENSION HYDR 8.06 167, H10N3 ASCENSION HYDR 8.07 167, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GERES GERES Array B, KHG Kasperke Hory, LVC Limon Verde, etc.

NEIC 17 23:55:53.9:0.0,54.25N:162.51W,h36km,ML3.5(AEIC), After AEIC, Alaska Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FALS False Pass, ISLZ Isanotski Laza, DTT Dutton Round H, etc.

MEX 18 00:17:10.8:0.7,17.06N:99.85W,h50km,6km,MD3.7, Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ACP2 Acapulco, ACP1 Acapulco, CAIX El Cayaco, etc.

IDC 18 00:18:32.2:5.8,8.26S:119.58E,h166km,57km,mb3.8/5, mb1 3.8/7, mb1mx3.4/34, mbtm4.2/7, Error ellipse: s-maj=88.9km s-min=20.8km az=61.0

ISCJBJ 18 00:18:33.4:0.4,0.33S:119.57E,0.04,h191km,4km, mb4.2/4, Error ellipse: s-maj=7.8km s-min=5.8km az=40.9

NEIC 18 00:18:33.8:0.8,8.35S:119.57E,h185km,9km,mb4.1/1, Error ellipse: s-maj=15.9km s-min=6.3km az=57.0

DJA 18 00:18:35.4:0.6,8.54S:142.12E,0.07,h168km,7km, M4,0/9, mb3.3/91,ML4.0/4, Error ellipse: s-maj=11.0km s-min=7.5km az=161.4

ISC 18 00:18:39.0:7.8,35S:119.74E:0.05,h185km,7km, n24, s163/33,mb4.2/4, Flores region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WSI Waingapu, WSI Ende, Flores, EDPI Plampang, etc.

CSEM 18 00:23:51.5,34.95N:26.72E,h11km,ML2.3/5, ATH 18 00:23:51.5,34.95N:26.72E,h11km,3km,ML2.3/5, Error ellipse: s-maj=5.3km s-min=1.0km az=340.0, Creta

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

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

ISCJBJ 18 00:25:10.4:0.4,6.10S:0.04:128.03E:0.04,h350km, mb3.6/6, Error ellipse: s-maj=5.9km s-min=4.7km az=25.1

DJA 18 00:25:11.5:0.4,6.3S:12.9E,0.04,h348km,6km, M4.2/7, mb4.3/7, mb4.8/3, MLv4.2/7, Mw(MB)4.1/3

IDC 18 00:25:12.9:3.0,6.03S:128.38E,h398km,34km,mb3.5/6, mb1 3.5/9, mb1mx3.2/30, mbtm4.2/9, Error ellipse: s-maj=43.2km s-min=10.1km az=76.0

ISC 18 00:25:10.2:0.6,10S:0.05:128.03E:0.06,h350km,n25, s218/32,mb3.6/6, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BNDI Bandanaira, MSAI Masohi, SAUI Saumlaki, etc.

ISCJBJ 18 00:25:10.4:0.4,6.10S:0.04:128.03E:0.04,h350km, mb3.6/6, Error ellipse: s-maj=5.9km s-min=4.7km az=25.1

DJA 18 00:25:11.5:0.4,6.3S:12.9E,0.04,h348km,6km, M4.2/7, mb4.3/7, mb4.8/3, MLv4.2/7, Mw(MB)4.1/3

IDC 18 00:25:12.9:3.0,6.03S:128.38E,h398km,34km,mb3.5/6, mb1 3.5/9, mb1mx3.2/30, mbtm4.2/9, Error ellipse: s-maj=43.2km s-min=10.1km az=76.0

ISC 18 00:25:10.2:0.6,10S:0.05:128.03E:0.06,h350km,n25, s218/32,mb3.6/6, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BNDI Bandanaira, MSAI Masohi, SAUI Saumlaki, etc.

ISCJBJ 18 00:25:10.4:0.4,6.10S:0.04:128.03E:0.04,h350km, mb3.6/6, Error ellipse: s-maj=5.9km s-min=4.7km az=25.1

DJA 18 00:25:11.5:0.4,6.3S:12.9E,0.04,h348km,6km, M4.2/7, mb4.3/7, mb4.8/3, MLv4.2/7, Mw(MB)4.1/3

IDC 18 00:25:12.9:3.0,6.03S:128.38E,h398km,34km,mb3.5/6, mb1 3.5/9, mb1mx3.2/30, mbtm4.2/9, Error ellipse: s-maj=43.2km s-min=10.1km az=76.0

ISC 18 00:25:10.2:0.6,10S:0.05:128.03E:0.06,h350km,n25, s218/32,mb3.6/6, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BNDI Bandanaira, MSAI Masohi, SAUI Saumlaki, etc.

ISCJBJ 18 00:31:29.9,38.65N:43.16E,h5km,ML3.5, ATA 18 00:31:30.1:2.5,38.70N:43.09E,h0km,327km,MD4.1, ML3.6

ISCJBJ 18 00:31:31.7:0.4,39.62N:0.02:43.24E:0.02,h5km,2km, Error ellipse: s-maj=3.1km s-min=2.2km az=161.4

CSEM 18 00:31:31.8:0.2,38.63N:43.18E,h2km,ML3.5, Error ellipse: s-maj=4.2km s-min=3.3km az=151.0

DDA 18 00:31:31.0,38.64N:43.17E,h16km,Mi3.3, AZER 18 00:31:34.2:0.6,38.56N:43.34E,h11km, Error ellipse: s-maj=5.5km s-min=3.9km az=138.0

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





WEL 18 02:43:51.7,0.4,37.425x179.916E,h33km,ML5.3/101, Mw5.4,Error ellipse: s-maj=3.5km s-min=3.3km az=90.0  
 WEL Felt from Gisborne to Wellington, maximum reported intensity MM 4.  
 NEIC 18 02:43:51.1,0.0,37.435x179.966E,h41km,mb5.2/31, MS4.7/68,ML5.4(WEL),After WEL.  
 NEIC Felt at Ruatoria.  
 BUI 18 02:43:51.7,37.935x179.166E,h6km,mb5.5/16,mb5.6/16, Ms5.2/12,Ms7.5/0/13  
 GCMT 18 02:43:51.1,0.1,37.525x179.746E,h12km,MW5.2/119, Moment Tensor Solution s59.883; s119.c199;  
 Duration: 150 Moment tensor: Scale 10<sup>17</sup>Nm;  
 M<sub>11</sub>=0.84±0.1; M<sub>22</sub>=0.22±0.1; M<sub>33</sub>=0.61±0.1; M<sub>12</sub>=0.10±0.4;  
 M<sub>13</sub>=0.45±0.1; M<sub>23</sub>=0.09±0.4; Best double couple:  
 M<sub>11</sub>=0.88400x10<sup>17</sup> N<sub>1</sub>P<sub>1</sub>=215.00000°,δ41.00000°,λ-94.00000°.  
 Principal axes: T 0.9210,Plg4.0000°,Azm303.0000°; N -0.0740,Plg2.0000°,Azm33.0000°; P -0.8460,Plg85.0000°,Azm153.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.  
 IDC 18 02:43:53.9,3.7,37.525x179.411E,h13km,ML22km,mb4.8/10, mb1.4.9/11,mb1mx4.6/20,mbtmp4.8/11,ML4.0/1,MS4.2/22, Ms1.4/2.22,ms1mx4.2/31 Error ellipse: s-maj=20.3km s-min=15.5km az=175.0  
 ISCJB 18 02:43:54.5,0.3,37.845x179.566E,0.03,h33km, mb5.2/54,MS4.6/92,Error ellipse: s-maj=4.4km s-min=3.1km az=44.3  
 MOS 18 02:43:55.9,1.5,37.625x179.296E,h32km,mb5.2/13, MS4.6/11,Error ellipse: s-maj=15.9km s-min=14.1km az=168.4  
 ISC 18 02:43:54.7,0.6,37.815x179.586E,0.04,h22km,3km, n484,σ1973/417,mb5.2/53,MS4.6/94,15C-5D,Off east coast of North Island

Code	Station Name	Δ	AZ	Phase ID	Time	Res
					h m s	ISC
WMGZ	Waioamatatini S	0.92	269	Op Pn	02 44 12.5	+0.2
WMGZ	Waioamatatini S	0.92	269	Sn	02 44 27.9	+3.0
WMGZ	Waioamatatini S	0.92	269	PN	02 44 12.5	+0.2
WMGZ	Waioamatatini S	0.92	269	SN	02 44 27.9	+3.0
MXZ	Matakaoa Point	1.04	283	ePn	02 44 12.7	-1.2
MXZ	Matakaoa Point	1.04	283	Sn	02 44 12.6	-1.3
MXZ	Matakaoa Point	1.04	283	SN	02 44 28.6	+0.8
PUZ	Puketiti	1.08	255	Pn	02 44 15.1	+0.5
PUZ	Puketiti	1.08	255	Pn	02 44 15.1	+0.5
PKGZ	Pakihiroa	1.19	266	Pn	02 44 16.1	0.0
PKGZ	Pakihiroa	1.19	266	PN	02 44 47.5	
CNGZ	Carnagh Statio	1.28	238	Pn	02 44 18.9	+0.9
CNGZ	Carnagh Statio	1.28	238	Pb	02 44 18.9	+0.9
TWGZ	Tauwhareparae	1.32	253	Pn	02 44 18.7	+0.9
TWGZ	Tauwhareparae	1.32	253	PN	02 44 18.7	+0.9
HAZ	Te Kaha	1.43	271	Pn	02 44 19.5	+0.3
HAZ	Te Kaha	1.43	271	PN	02 44 50.3	
HAZ	Te Kaha	1.43	271	PN	02 44 50.3	
HAZ	Te Kaha	1.43	271	PN	02 44 51.5	
HAZ	Te Kaha	1.43	271	PN	02 44 51.5	
TKGZ	Te Karaka	1.51	245	Pn	02 44 21.5	+1.2
TKGZ	Te Karaka	1.51	245	Sb	02 44 43.9	+3.2
TKGZ	Te Karaka	1.51	245	PN	02 44 43.9	+3.2
RUGZ	Raukumara Rang	1.52	263	Pn	02 44 20.9	+0.3
RIGZ	Rimuhau	1.69	237	Pn	02 44 24.4	+1.5
RIGZ	Rimuhau	1.69	237	PN	02 44 58.4	
MWZ	Matawai	1.70	251	Pn	02 44 23.5	+0.4
MWZ	Matawai	1.70	251	PN	02 44 23.5	+0.4
MWZ	Matawai	1.70	251	PN	02 45 02.7	
PRGZ	Paritu Road	1.74	230	Pn	02 44 24.9	+1.3
PRGZ	Paritu Road	1.74	230	PN	02 44 24.9	+1.3
PRGZ	Paritu Road	1.74	230	PN	02 45 05.2	
RAGZ	Rawiri	1.84	247	Pn	02 44 26.3	+1.3
RAGZ	Rawiri	1.84	247	PN	02 44 26.3	+1.3
RAGZ	Rawiri	1.84	247	PN	02 45 07.9	
MHGZ	Mahia Peninsula	1.88	224	Pn	02 44 27.0	+1.5
MHGZ	Mahia Peninsula	1.88	224	PN	02 45 04.9	
MHGZ	Mahia Peninsula	1.88	224	PN	02 45 10.5	
WIZ	White Island	1.92	278	Pn	02 44 25.8	-0.1
WIZ	White Island	1.92	278	PN	02 44 25.8	-0.1
URZ	Urewera	2.00	256	Pn	02 44 28.2	+1.1
URZ	Urewera	2.00	256	PN	02 44 53.9	+2.4
URZ	Urewera	2.00	256	PN	02 44 28.3	+1.1
URZ	Urewera	2.00	256	PN	02 45 07.4	
URZ	Urewera	2.00	256	PN	02 45 18.3	
SNGZ	Shannon Statio	2.02	240	Pn	02 44 28.5	+1.1
SNGZ	Shannon Statio	2.02	240	PN	02 44 28.5	+1.1
SNGZ	Shannon Statio	2.02	240	PN	02 45 08.3	
SNGZ	Shannon Statio	2.02	240	PN	02 45 13.5	
WHRZ	Whale Island	2.06	268	Pn	02 44 28.8	+0.6
RTZ	Ruatuhuna	2.20	248	Pn	02 44 31.5	+1.5
WHZ	Waihua	2.24	235	Pn	02 44 32.1	+1.7
WHZ	Waihua	2.24	235	PN	02 45 12.0	
EDRZ	Edgecumbe	2.27	262	Pn	02 44 31.4	+0.5
EDRZ	Edgecumbe	2.27	262	PN	02 44 31.9	+0.5
EDRZ	Edgecumbe	2.27	262	PN	02 45 22.8	
MARZ	Manawahe	2.31	265	Pn	02 44 31.8	+0.5
MARZ	Manawahe	2.31	265	PN	02 44 31.8	+0.5
MARZ	Manawahe	2.31	265	PN	02 45 11.9	
MUGZ	Murupara	2.31	252	Pn	02 44 32.5	+1.0
MTMZ	Maugataniwha	2.40	243	PN	02 44 33.8	+1.2
OPRZ	Ohinepanea	2.40	268	Pn	02 44 32.5	-0.1
OPRZ	Ohinepanea	2.40	268	PN	02 44 32.4	-0.1
OPRZ	Ohinepanea	2.40	268	PN	02 45 11.8	
TARZ	Mount Tarawera	2.47	259	Pn	02 44 34.6	+1.0
TARZ	Mount Tarawera	2.47	259	PN	02 44 34.6	+1.0
TARZ	Mount Tarawera	2.47	259	PN	02 45 13.5	
RRRZ	Republican Roa	2.48	257	Pn	02 44 34.9	+1.0
RRRZ	Republican Roa	2.48	257	PN	02 44 34.7	+1.0
RRRZ	Republican Roa	2.48	257	PN	02 45 32.7	
RRRZ	Republican Roa	2.48	257	PN	02 45 33.5	
ARHZ	Aropoanui	2.50	234	Pn	02 44 35.3	+1.4
ARHZ	Aropoanui	2.50	234	PN	02 44 35.3	+1.4
ARHZ	Aropoanui	2.50	234	PN	02 45 23.4	
NMZZ	Naumai	2.53	239	Pn	02 44 35.9	+1.4
NMZZ	Naumai	2.53	239	PN	02 44 35.9	+1.4
NMZZ	Naumai	2.53	239	PN	02 45 17.1	
NMZZ	Naumai	2.53	239	PN	02 45 34.5	
PRRZ	Plateau Road	2.61	254	Pn	02 44 36.4	+0.9
PRRZ	Plateau Road	2.61	254	PN	02 44 36.4	+0.9
PRRZ	Plateau Road	2.61	254	PN	02 45 18.0	
PRRZ	Plateau Road	2.61	254	PN	02 45 27.1	
TGRZ	Tauranga	2.63	271	Pn	02 44 36.0	+0.1
TGRZ	Tauranga	2.63	271	PN	02 44 35.9	+0.1
TGRZ	Tauranga	2.63	271	PN	02 45 14.1	
KARZ	Kaharoa	2.65	264	Pn	02 44 36.0	-0.1
KARZ	Kaharoa	2.65	264	PN	02 44 36.0	-0.1
KARZ	Kaharoa	2.65	264	PN	02 45 19.0	
KARZ	Kaharoa	2.65	264	PN	02 46 06.0	
ALRZ	Allen Road	2.66	253	Pn	02 44 37.0	+0.8
ALRZ	Allen Road	2.66	253	PN	02 44 37.0	+0.8
ALRZ	Allen Road	2.66	253	PN	02 45 30.3	

ALRZ	Hossack Road	2.68	258	PN	02 45 45.3	
HSRZ	Hossack Road	2.68	258	PN	02 44 37.6	+1.1
HSRZ	Hossack Road	2.68	258	PN	02 45 28.9	
HSRZ	Hossack Road	2.68	258	PN	02 45 29.3	
CKHZ	Cape Kidnapper	2.69	226	Pn	02 44 37.3	+0.6
CKHZ	Cape Kidnapper	2.69	226	PN	02 45 26.6	+0.6
CKHZ	Cape Kidnapper	2.69	226	PN	02 45 33.6	
BKZ	Black Stump Fm	2.78	240	ePn	02 44 39.1	+1.2
BKZ	Black Stump Fm	2.78	240	Pn	02 44 39.0	+1.1
BKZ	Black Stump Fm	2.78	240	PN	02 45 23.2	
BKZ	Black Stump Fm	2.78	240	PN	02 45 39.2	
WPRZ	Whakapapatarin	2.79	254	Pn	02 44 39.1	+1.1
WPRZ	Whakapapatarin	2.79	254	PN	02 44 39.1	+1.1
WPRZ	Whakapapatarin	2.79	254	PN	02 45 33.9	
WPRZ	Whakapapatarin	2.79	254	PN	02 45 33.9	
MCHZ	McNeill Hill	2.79	233	Pn	02 44 39.1	+1.1
MCHZ	McNeill Hill	2.79	233	PN	02 44 39.1	+1.1
MCHZ	McNeill Hill	2.79	233	PN	02 45 19.6	
MCHZ	McNeill Hill	2.79	233	PN	02 45 33.3	
KAHZ	Kahuranaki	2.90	226	Pn	02 44 40.1	+0.6
KAHZ	Kahuranaki	2.90	226	PN	02 44 40.1	+0.6
KAHZ	Kahuranaki	2.90	226	PN	02 45 29.2	
KAHZ	Kahuranaki	2.90	226	PN	02 45 30.9	
KWHZ	Kaweka Forest	2.96	236	PN	02 44 41.0	+0.7
KWHZ	Kaweka Forest	2.96	236	PN	02 45 30.8	
KWHZ	Kaweka Forest	2.96	236	PN	02 45 31.8	
PXZ	Pawanui	3.07	223	Pn	02 44 41.7	-0.1
PXZ	Pawanui	3.07	223	PN	02 44 41.7	-0.1
PXZ	Pawanui	3.07	223	PN	02 45 20.1	+2.2
PXZ	Pawanui	3.07	223	PN	02 45 23.6	
PXZ	Pawanui	3.07	223	PN	02 45 23.6	
PXZ	Pawanui	3.07	223	PN	02 45 31.2	
PXZ	Pawanui	3.07	223	PN	02 44 47.7	+0.3
KRHZ	Kereru	3.11	233	PN	02 45 30.5	
KRHZ	Kereru	3.11	233	PN	02 45 31.3	
RATZ	Rangitukua	3.18	249	Pn	02 44 44.8	+1.4
RATZ	Rangitukua	3.18	249	PN	02 44 44.8	+1.4
RATZ	Rangitukua	3.18	249	PN	02 45 37.8	
RATZ	Rangitukua	3.18	249	PN	02 45 39.2	
BHHZ	Black Hill Sta	3.23	238	Pn	02 44 44.9	+0.8
BHHZ	Black Hill Sta	3.23	238	PN	02 44 44.9	+0.8
BHHZ	Black Hill Sta	3.23	238	PN	02 45 34.8	
BHHZ	Black Hill Sta	3.23	238	PN	02 45 36.8	
TOZ	Tahuroa Road	3.23	270	Pn	02 44 43.8	-0.3
TOZ	Tahuroa Road	3.23	270	PN	02 44 43.8	-0.3
TOZ	Tahuroa Road	3.23	270	PN	02 45 37.0	
TOZ	Tahuroa Road	3.23	270	PN	02 45 39.4	
KUZ	Kuaotunu	3.26	288	Pn	02 44 42.9	-1.5
KUZ	Kuaotunu	3.26	288	PN	02 44 42.9	-1.5
KUZ	Kuaotunu	3.26	288	PN	02 45 29.6	
KUZ	Kuaotunu	3.26	288	PN	02 45 29.6	
WPHZ	Waipukurua	3.33	226	Pn	02 44 45.5	+0.1
WPHZ	Waipukurua	3.33	226	PN	02 44 45.5	+0.1
WPHZ	Waipukurua	3.33	226	PN	02 45 41.0	
WPHZ	Waipukurua	3.33	226	PN	02 45 41.0	
KRVZ	Karewarewa	3.35	246	Pn	02 44 46.6	+0.8
KRVZ	Karewarewa	3.35	246	PN	02 44 46.6	+0.8
KRVZ	Karewarewa	3.35	246	PN	02 45 51.6	
KRVZ	Karewarewa	3.35	246	PN	02 45 51.6	
OTVZ	Oturere	3.36	245	Pn	02 44 45.9	-0.1
OTVZ	Oturere	3.36	245	PN	02 44 45.9	-0.1
OTVZ	Oturere	3.36	245	PN	02 45 49.4	
OTVZ	Oturere	3.36	245	PN	02 45 49.4	
PRHZ	Porangahau	3.36	222	Pn	02 44 45.6	-0.3
PRHZ	Porangahau	3.36	222	PN	02 44 45.6	-0.3
PRHZ	Porangahau	3.36	222	PN	02 45 31.8	
PRHZ	Porangahau	3.36	222	PN	02 45 31.8	
PNHZ	Pukenui	3.38	230	Pn	02 44 46.3	+0.2
PNHZ	Pukenui	3.38	230	PN	02 44 46.3	+0.2
PNHZ	Pukenui	3.38	230	PN	02 45 39.5	
PNHZ	Pukenui	3.38	230	PN	02 45 41.7	
MOVZ	Moawhango	3.40	241	Pn	02 44 46.9	+0.4
MOVZ	Moawhango	3.40	241	PN	02 44 46.9	+0.4
MOVZ	Moawhango	3.40	241	PN	02 45 40.4	
MOVZ	Moawhango	3.40	241	PN	02 45 40.4	
TUVZ	Tukino	3.41	243	Pn	02 44 47.4	+0.8
TUVZ	Tukino	3.41	243	PN		



18d 2h

CAN	comp=Z,2um,20.0s CANberra	24.64 266 eP	P	02 49 14.8 +1.1
CAN	comp=Z,2um,20.0s AFIamalu	25.01 20 P	P	02 49 17.0 -0.1
AFI	comp=Z,139nm,1.1s,baz=238,slow=3.7,SNR=12	03 15 03.6	T	
AFI	comp=Z,58nm,0.3s,baz=163,slow=22,SNR=5.1	25.01 20 eP	P	02 49 17.0 -0.1
AFI	comp=Z,228nm,1.2s AFIamalu	25.01 20 eP	P	02 49 17.0 -0.1
AFI	comp=Z,228nm,1.2s Tasmania Unive	25.01 248 eP	P	02 49 16.2 -0.7
TAU	comp=Z,68nm,1.4s	MLR	MLR	
TAU	comp=Z,2um,21.0s Tasmania Unive	25.01 248 eP	P	02 49 16.1 -0.7
TAU	comp=Z,68nm,1.4s	LR	LR	
EIDS	comp=Z,2um,21.0s Eidsvold	27.15 289 eP	P	02 49 36.9 +0.5
RMQ	comp=Z,78nm,1.6s Roma	28.31 284 eP	P	02 49 46.3 -0.5
STKA	comp=Z,2um,21.0s Stevens Creek	31.58 269 P	P	02 50 15.2 -0.4
STKA	comp=Z,12nm,1.0s,baz=97,slow=9.8,SNR=14	02 53 07.4 -0.4	PcP	
STKA	comp=Z,4.0nm,1.0s,baz=256,slow=1.7,SNR=3.2	03 01 56.7	LR	
STKA	comp=Z,2um,22.0s,baz=89,slow=34	31.58 269 P	P	02 50 15.5 -0.1
STKA	comp=Z,31nm,SNR=9.5 Stevens Creek	31.58 269 eP	P	02 50 16.6 +0.9
STKA	comp=Z,3.0nm,1.0s Stevens Creek	31.58 269 eP	P	02 50 16.6 +0.9
STKA	comp=Z,3.3nm,1.0s	PcP	PcP	
STKA	comp=Z,3.3nm,1.0s	02 53 07.4 -0.4	P	
HTT	comp=Z,3.3nm,1.0s Hallett	33.16 265 P	P	02 50 29.5 0.0
HNR	comp=Z,33,SNR=5.0 Honiarra	33.34 323 PFAKE	LR	02 50 40.0 +8.9
PAE	comp=Z,470nm,20.0s Paea	33.64 62 eP	P	02 50 34.8 +1.0
PAE	comp=Z,14nm,1.2s Paea	33.64 62 eT	T	03 25 44.7
PPT2	comp=Z,6.8nm,0.2s Papeete2	33.70 62 eT	T	02 50 35.5 +1.2
PPT2	comp=Z,94nm,1.6s	eLQ	LQ	02 57 43.4
PPT2	comp=Z,890nm,25.2s	eLR	LR	02 59 11.3
PPT2	comp=Z,644nm,27.0s Papeete2	33.70 62 eT	T	03 25 49.3
PPT2	comp=Z,8.5nm,0.3s	03 00 09.7	LR	
PPT	comp=Z,192nm,21.8s,baz=198,slow=29	03 26 18.6	LR	
TVO	comp=Z,15nm,0.3s,baz=226,slow=22,SNR=3.3 Taravao	33.79 62 eT	T	03 25 51.8
CTA	comp=Z,3.4nm,0.3s Charters Tower	33.85 292 LR	LR	03 05 45.5
CTAO	comp=Z,12nm,0.8s Charters Tower	33.85 292 eP	P	02 50 34.4 -1.2
CTAO	comp=Z,12nm,0.8s	MLR	MLR	
CTAO	comp=Z,1um,19.0s Charters Tower	33.85 292 eP	P	02 50 34.4 -1.2
CTAO	comp=Z,12nm,0.8s	LR	LR	
TIAR	comp=Z,1um,19.0s Tiarei	33.88 62 eP	P	02 50 37.0 +1.2
TIAR	comp=Z,15nm,0.9s Tiarei	33.88 62 eT	T	03 25 50.4
TIAR	comp=Z,3.7nm,0.2s	03 29 27.2	LR	
BBOO	comp=Z,35,SNR=7.3 Buckleboe	35.62 265 P	P	02 50 51.1 +0.2
BBOO	comp=Z,8nm,0.6s Buckleboe	35.62 265 eP	P	02 50 50.5 -0.3
MTSU	comp=Z,9nm,0.6s Mount Surprise	36.50 293 P	P	02 50 58.1 -0.4
PMOR	comp=Z,36,SNR=6.1 Pomarioro Ree	36.64 61 eT	T	03 29 27.2
VAH	comp=Z,10nm,0.3s Vaihoo	36.66 61 eT	T	03 29 31.0
QIS	comp=Z,20nm,0.2s Mount Isa	38.57 285 P	P	02 51 15.1 -0.9
COEN	comp=Z,38,SNR=8.7 Coen	40.08 296 P	P	02 51 26.9 -1.6
COEN	comp=Z,40,SNR=47 Coen	40.08 296 eP	P	02 51 27.0 -1.6
SBA	comp=Z,34nm,0.8s Scott Base	40.52 184 eP	P	02 51 32.8 +1.3
SBA	comp=Z,447nm,20.0s	MLR	MLR	
SBA	comp=Z,447nm,20.0s Scott Base	40.52 184 eP	P	02 51 32.8 +1.3
SBA	comp=Z,447nm,20.0s	LR	LR	
VANDA	comp=Z,295nm,18.3s,baz=34,slow=33 Vanda	40.54 186 LR	LR	03 06 12.0
PMG	comp=Z,817nm,18.7s,baz=145,slow=35 Port Moresby	40.64 306 LR	LR	03 07 15.9
AS01	comp=Z,21nm,1.0s,baz=145,slow=35 Alice Springs	41.28 277 eP	P	02 51 36.5 -2.0
AS31	comp=Z,9.3nm,0.4s Alice Springs	41.32 277 P	P	02 51 37.6 -1.2
ASAR	comp=Z,11nm,0.7s,baz=122,slow=8.1,SNR=119	41.32 277 eP	P	02 51 37.2 -1.6
ASAR	comp=Z,1.7nm,0.8s,baz=124,slow=15,SNR=8.1	02 57 52.2 +0.2	S	
ASAR	comp=Z,733nm,19.5s,baz=123,slow=37	03 09 00.8	LR	
RKT	comp=Z,1um,28.2s Rikitea	41.41 83 eLQ	LQ	03 01 12.7
RKT	comp=Z,2.5nm,0.2s Rikitea	41.41 83 eT	T	03 35 32.2
FORT	comp=Z,42,SNR=27 Forrest	42.69 264 P	P	02 51 49.1 -0.8
FORT	comp=Z,42.69 264 eP	P	P	02 51 48.6 -1.3
WB2	comp=Z,13nm,0.7s Warramunga Arr	42.97 281 eP	P	02 51 50.6 -1.7
WRAB	comp=Z,13nm,0.7s Tennant Creek	42.97 282 eP	P	02 51 50.1 -2.2
WRAB	comp=Z,33nm,1.0s	LR	LR	
WRAB	comp=Z,1um,19.0s Warramunga Arr	42.98 281 P	P	02 51 50.2 -2.1
WRA	comp=Z,12nm,0.7s,baz=121,slow=7.6,SNR=43	03 09 54.4	LR	
PTCN	comp=Z,895nm,20.2s,baz=125,slow=36 Pitcairn Islan	44.29 88 PFAKE	LR	02 52 10.0 +7.2
PTCN	comp=Z,2um,19.0s Warakurna	45.07 271 P	P	02 52 06.9 -2.2
TAOE	comp=Z,45,SNR=22 Nuku Hiva Isla	46.32 62 eS	S	02 59 02.9 -2.4
TAOE	comp=Z,73nm,32.8s	eLR	LR	03 04 45.6
NWAO	comp=Z,431nm,31.0s Narrogin (SRO)	50.25 256 LR	LR	03 14 31.8
NWAO	comp=Z,69nm,19.3s,baz=180,slow=37	50.25 256 P	P	02 52 47.6 -1.6
NWAO	comp=Z,50,SNR=4.1	P	P	02 52 47.6 -1.6
NWAO	comp=Z,50,SNR=4.1	P	P	02 52 48.3 -0.9
NWAO	comp=Z,79nm,0.8s Narrogin (SRO)	50.25 256 eP	P	02 52 48.3 -0.9
NWAO	comp=Z,79nm,0.8s	MLR	MLR	
KLBR	comp=Z,50,SNR=7.3 Kellerberrin	50.41 257 P	P	02 52 49.6 -0.8
FITZ	comp=Z,640nm,18.8s,baz=90,slow=38 Fitzroy Crossi	50.81 277 LR	LR	03 15 44.7
FITZ	comp=Z,640nm,18.8s,baz=90,slow=38 Fitzroy Crossi	50.81 277 P	P	02 52 52.3 -1.2
MUN	comp=Z,51,SNR=21 Mundaring	51.44 256 P	P	02 52 57.8 -0.3
BLDU	comp=Z,51,SNR=5.5 Ballidu	51.63 258 P	P	02 52 58.8 -0.8
MEEK	comp=Z,51,SNR=5.5 Meekatharra	51.96 264 P	P	02 53 00.4 -1.7

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QSPA	comp=Z,52,SNR=17 South Pole Qui	52.32 180 eP	P	02 53 08.2 +3.8
QSPA	comp=Z,201nm,1.1s	LR	LR	
MORW	comp=Z,379nm,20.0s Morawa	52.84 260 P	P	02 53 07.5 -1.2
MBWA	comp=Z,53,SNR=4.6 Marble Bar	53.82 270 eP	P	02 53 13.6 -2.3
MBWA	comp=Z,16nm,0.9s	LR	LR	
FAKI	comp=Z,957nm,20.0s Fak Fak	55.46 297 eP	P	02 53 25.4 -2.5
SOE	comp=Z,25nm,0.9s Soe	56.83 284 P	P	02 53 38.1 +0.3
SOE	comp=Z,94nm,1.2s,comp=Z,1um	56.83 284 eP	P	02 53 38.5 +0.7
MMRI	comp=Z,134nm,1.2s Mauere	59.09 284 P	P	02 53 52.6 -0.9
MMRI	comp=Z,120nm,0.9s,comp=Z,4um	59.09 284 eP	P	02 53 52.8 -0.7
EDFI	comp=Z,80nm,0.6s Ende, Flores	59.44 284 P	P	02 53 55.1 -1.0
SANI	comp=Z,239nm,1.2s Sanana	60.56 293 P	P	02 54 00.3 -3.3
GUMO	comp=Z,94nm,0.9s,comp=Z,19um	60.62 321 LR	LR	03 20 51.2
PLAI	comp=Z,47nm,18.2s,baz=124,slow=37 Plampang	62.42 281 P	P	02 54 15.1 -1.1
TWSI	comp=Z,28nm,0.9s Taliwang, Sumb	63.18 280 P	P	02 54 19.2 -2.0
KAPI	comp=Z,37nm,1.1s,comp=Z,2um	63.28 285 PFAKE	LR	02 54 30.0 +8.0
KAPI	comp=Z,310nm,19.0s	LR	LR	
LUWI	comp=Z,63.61 291 eP	P	P	02 54 22.5 -1.6
SPSI	comp=Z,63.94 286 P	P	P	02 54 23.7 -2.6
APSI	comp=Z,47nm,1.1s,comp=Z,652nm	64.53 290 P	P	02 54 30.0 -0.1
MAW	comp=Z,47nm,1.1s,comp=Z,652nm	64.70 202 P	P	02 54 33.1 +2.7
MAW	comp=Z,12nm,1.0s,baz=108,slow=8.7,SNR=7.7	64.70 202 eP	P	03 23 11.6
MAW	comp=Z,418nm,18.3s,baz=96,slow=36	64.70 202 eP	P	02 54 33.7 +3.3
MAW	comp=Z,15nm,1.4s Mawson	64.70 202 eP	P	02 54 33.7 +3.3
JAGI	comp=Z,14nm,1.4s Jajag, Banyuwa	65.47 279 P	P	02 54 35.6 -0.7
JAGI	comp=Z,42nm,1.3s Jajag, Banyuwa	65.47 279 eP	P	02 54 35.4 -0.9
MPSI	comp=Z,54nm,1.3s Mapaga	66.66 290 P	P	02 54 41.9 -2.0
DAV	comp=Z,21nm,1.0s,comp=Z,462nm	67.21 299 PFAKE	LR	02 54 50.0 +2.6
DAV	comp=Z,144nm,19.0s	LR	LR	
SYO	comp=Z,69.46 194 eP	P	P	02 55 01.0 +0.3
SNA	comp=Z,70.81 179 P	P	P	02 55 11.4 +2.4
SNA	comp=Z,70.81 179 eP	P	P	02 55 11.2 +2.1
SNA	comp=Z,36nm,1.2s Sanae	70.81 179 eP	P	02 55 11.2 +2.1
CISI	comp=Z,36nm,1.2s Gisomet, Garu	71.01 275 P	P	02 55 09.5 -1.6
VNA3	comp=Z,77nm,1.0s,comp=Z,6um	71.05 177 P	P	02 55 12.3 +1.9
VNA2	comp=Z,17.4,slow=5.5 N'azarevskaya	71.37 184 eP	P	02 55 07.0 -5.3
VNA2	comp=Z,17.4,slow=5.5 Neumayer-Watz	71.46 178 eP	P	02 55 15.3 +2.2
VNA1	comp=Z,71.70 177 P	P	P	02 55 16.9 +2.6
SKJ	comp=Z,72.33 275 P	P	P	02 55 17.7 -1.3
KKM	comp=Z,73.19 292 eP	P	P	02 55 23.1 -1.1
KKM	comp=Z,22nm,0.9s	LR	LR	
MDSI	comp=Z,101nm,21.0s Maura Dua	75.73 275 P	P	02 55 37.3 -1.6
PLCA	comp=Z,78.92 133 eP	P	P	02 55 59.0 +2.5
PLCA	comp=Z,6.7nm,0.9s,baz=220,slow=5.9,SNR=7.9	LR	LR	03 23 44.7
PLCA	comp=Z,77nm,18.2s,baz=296,slow=29	78.92 133 eP	P	02 55 59.6 +3.1
PLCA	comp=Z,59nm,1.5s Paso Flores	78.92 133 eP	P	02 55 59.5 +3.1
GO05	comp=Z,59nm,1.5s Hualaø	81.81 128 eP	P	02 56 14.4 +2.4
YHNB	comp=Z,49nm,1.2s Yeheng	82.74 309 PFAKE	LR	02 56 20.0 +3.1
YHNB	comp=Z,424nm,19.0s	LR	LR	
MJAR	comp=Z,424nm,19.0s Matsushiro Arr	83.29 328 LR	LR	03 30 27.1
MAJO	comp=Z,49nm,20.6s,baz=30,slow=34 Matsushiro	83.29 328 PFAKE	LR	02 56 20.0 +0.6
MAJO	comp=Z,154nm,19.0s	LR	LR	
KULM	comp=Z,9.6nm,1.0s Kulim	84.52 281 eP	P	02 56 25.8 -0.5
KULM	comp=Z,370nm,19.0s	LR	LR	
TRQA	comp=Z,3.7nm,1.0s Torquist	85.59 136 eP	P	02 56 32.5 +1.2
TRQA	comp=Z,220nm,21.0s	LR	LR	
QIZ	comp=Z,86.47 297 P	P	P	02 56 37.6 +1.8
QIZ	comp=Z,86.47 297 S	S	S	03 07 10.6 -0.3
QIZ	comp=Z,86.47 297 sS	sS	sS	03 07 21.6 -1.4
QIZ	comp=Z,170nm,4.2s Qiongzong	86.47 297 PFAKE	LR	02 56 40.0 +4.2
LCO	comp=Z,292nm,22.0s Las Campanas	86.53 124 eP	P	02 56 37.9 +1.4
KSR5	comp=Z,22nm,1.2s Korea Array	88.78 321 P	P	02 56 46.2 -2.1
KSR5	comp=Z,5.9nm,1.0s,baz=151,slow=6.2,SNR=9.0	LR	LR	03 35 28.0
KSAR	comp=Z,41nm,18.1s,baz=144,slow=35 Wonju Array Be	88.78 321 P	P	02 56 46.2 -0.3
KSAR	comp=Z,41nm,18.1s,baz=144,slow=35 Wonju Array Be	88.78 321 P	P	02 56 46.2 -0.3
KS01	comp=Z,88.81 321 eP	P	P	02 56 46.5 -0.1
INCN	comp=Z,88.81 321 PFAKE	LR	LR	02 56 50.0 +0.4
INCN	comp=Z,246nm,20.0s Nanjing	89.63 312 eP	P	02 56 52.8 +2.2
NJ2	comp=Z,16nm,0.6s Limon Verde	92.01 121 eP	P	02 57 02.0 -0.5
USRK	comp=Z,19nm,1.3s Ussuriysk Ar	92.29 328 LR	LR	03 33 29.2
PETK	comp=Z,5.3nm,0.9s,baz=77,slow=6.5,SNR=3.7 Petrovlovsk	92.52 347 P	P	02 57 02.9 -0.5
PETK	comp=Z,88nm,21.8s,baz=145,slow=30	LR	LR	03 32 21.7
PFO	comp=Z,88nm,21.8s,baz=145,slow=30 Pinyon Flats O	92.64 49 eP	P	02 57 04.5 -0.2
PFO	comp=Z,13nm,1.4s Pinyon Flats O	92.64 49 eP	P	02 57 04.5 -0.2
GYA	comp=Z,14nm,1.4s Guiyang	93.55 301 eP	P	02 57 10.3 +1.2
GYA	comp=Z,14nm,1.4s	PP	PP	03 00 57.4 +3.2
GYA	comp=Z,14nm,1.4s	SKS	SKS	03



18d 3h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like MKAZ Moumakai, ANWZ Angora Road, TSZ Takapari Road, etc.

NIED 18 03:05:00.39:20N,143:90E,h14km,Mw4.0 Best double couple: M1.230000...1.015 NP1.200000...840.00000...

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like MIYJ Miyakonagasawa, OFUJ Ofunato, JTH Tanohata, etc.

WEL 18 03:06:35.5:0.4,37:33S:179:89E,h33km,ML4.2/39,Error ellipse: s-maj=3.6km s-min=3.1km az=90.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like WMGZ Waioamatatini S, WMGZ Waioamatatini S, WMGZ Matakaoa Point, etc.

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Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like MWZ Matawai, MWZ Matawai, PRGZ Paritu Road, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like KEK comp=E,388um,0.4s, KVK Kerkira, VLO Viora, etc.

18C 18 03:09:10.6:4.4,23:52S:175:80W,h0km,mb4.1/5, mb1.4/3.5,mb1mx3.8/40,mbtmp4.1/5,Error ellipse: s-maj=218.6km s-min=29.3km az=152.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like DZM Mont Dzumac, CTA Charters Tower, ASAR Alice Springs, etc.

1.2nm,0.4s,baz=43,slow=4.5,SNR=12
KIEV Kiev 146.38 331 ePKPdf PKPdc 03 28 51.8 -0.8
BTRV Keskin Array B 150.09 310 PKPbc 03 29 04.0 -0.3

GERES GERESS Array B 153.39 346 PKPbc 03 29 11.8 +0.3
0.2nm,0.3s,baz=355,slow=3.1,SNR=8.3

NEIC 18 03:11:18.9-0.0,37.38Sx179.80E,h15km,mb4.0/1,
ML4.3(WEL),After WEL.

WEL 18 03:11:21.0-0.6,37.47Sx179.79E,h33km,ML3.9/11,
1C-3D,Error ellipse: s-maj=5.9km s-min=5.1km az=90.0,
Off east coast of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like WMGZ, MXZ, PUKETITI, etc.

IDC 18 03:11:42.4-2.2,37.93Sx179.24E,h0km,mb3.7/3,
mb1 3.9/3,mb1mx3.6/36,mbtmp3.7/3,Error ellipse:
s-maj=87.7km s-min=41.7km az=27.0,Off east coast of
North Island

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

ISC/JB 18 03:11:53.9-0.8,37.59S;0.06:179.86E;0.07,h29km,
mb4.5/8,Error ellipse: s-maj=8.5km s-min=7.1km az=27.8
IDC 18 03:11:53.5-1.7,37.25Sx179.55E,h0km,mb4.3/3,
mb1 4.5/4,mb1mx4.0/37,mbtmp4.3/4,ML3.8/1,Error
ellipse: s-maj=48.0km s-min=31.5km az=159.0

WEL 18 03:11:56.4-0.5,37.48Sx179.92E,h33km,ML4.5/52,Error
ellipse: s-maj=6.6km s-min=3.9km az=0.0

NEIC 18 03:11:56.0-0.0,37.58Sx179.71E,h14km,mb4.4/4,
ML4.3(WEL),After WEL.

ISC 18 03:11:57.2-1.0,37.52S;0.07:179.72E;0.07,h29km,mb6,
s185/60,mb4.5/8,Off east coast of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like WMGZ, MXZ, PUKETITI, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like KAHZ, KHZ, SNGZ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like PKGZ, CNGZ, RWGZ, etc.

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes stations like BFZ Birch Farm, PRWZ Pori Road, POWZ Post Office Ro, etc.

WEL 18 03:16:47.1+0.5, 23.89S, 67.55W, h220km, 6km, ML4.0, 7C-2D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes stations like LVC Limon Verde, PB06 IPOC Station P, PB09 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes stations like ASAR Alice Springs, SONMI Sogino Array, MKAR Makanohi Array, etc.

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes stations like GUC 18 03:16:47.1+0.5, 23.89S, 67.55W, h220km, 6km, ML4.0, LVC Limon Verde, etc.

WEL 18 03:30:24.2+0.2, 37.45S, 179.86E, h33km, ML3.5/9.3D, Error ellipse: s-maj=1.9km s-min=1.7km az=90.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes stations like WMGZ Waioamatatini S, WMGZ Waioamatatini S, WMGZ Matakaoa Point, etc.

WEL 18 03:32:28.6+1.5, 37.53N, 144.10E, h0km, mb3.7/2, mb1 4.0/4, mb1mx3.5/45, mbtmp3.8/4, ML3.7/2, Error ellipse: s-maj=55.4km s-min=26.2km az=129.0

ISCJBJ 18 03:32:31.5+1.0, 37.69N, 0.06+143.80E, h0km, h33km, mb3.8/2, Error ellipse: s-maj=9.4km s-min=7.8km az=157.9

JMA 18 03:32:32.4+0.1, 37.72N, 143.75E, h50km, ML4.1, ISC 18 03:32:32.9+1.3, 37.87N, 0.06+143.82E, h0km, h35km, n12, r131/15, Off east coast of Honshu

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes stations like JIO Ouri, JIU Ofunato, JMK Ichinoseki, etc.

WEL 18 03:38:15.0+0.3, 37.44S, 179.80E, h12km, ML4.2/31, Error ellipse: s-maj=3.9km s-min=2.9km az=0.0

NEIC 18 03:38:14.9+0.0, 37.45S, 179.80E, h12km, mb4.1/3, ML4.4(WEL), After WEL

ISC 18 03:38:16.4+1.1, 37.68S, 0.07+179.78E, h0km, n77, r126/80, mb4.0/5, 3C-2D, Off east coast of North Island

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes stations like WMGZ Waioamatatini S, WMGZ Waioamatatini S, WMGZ Matakaoa Point, etc.

Large table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes stations like MXZ Matakaoa Point, PUKUKUKU Puketiti, PKGZ Pakihiroa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Port Louis, BPA Buggy Peak, Sans Toucher, Marie-Galante, etc.

ISC 18 03:45:56.1±0.8, 1.10N:97.04E, h0km, mb4.2/15, mb1.4/17, mb1mx4.1/48, mbmp4.2/17, M4.0/2, MS3.8/12, Ms1.3/8.12, ms1mx3.5/43, Error ellipse: s-maj=25.1km s-min=15.0km az=48.0

ISCJTB 18 03:45:58.7±0.3, 1.15N:0.04E:97.13E:0.04, h25km, mb4.5/43, MS3.9/15, Error ellipse: s-maj=7.0km s-min=3.9km az=137.5

DJA 18 03:46:00.2±0.8, 1.14N:9.7E:1, h37km±12km, M4.8/10, mb5.1/5, mB5.5/5, MLV4.5/10, Mw(m)B4.9/5

BUI 18 03:46:00.4, 1.04N:97.42E, h49km, mb4.8/32, mB4.9/22, Ms4.4/12, Ms7.4/212

NEIC 18 03:46:03.0±0.8, 1.26N:97.22E, h53km±6km, mb4.7/24, Error ellipse: s-maj=8.7km s-min=4.1km az=55.0

ISC 18 03:46:00.7±0.5, 1.17N:0.05E:97.19E:0.06, h25km, m114, az=193/107, mb4.6/43, MS3.8/15, 1C-1D, Northern

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Sumatera, GSI Gunungsitoli, GSI Gunungsitoli, SNSI Sinabang, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KOLD Koldanda, PYUN Piuthan, CD2 Chengdu, CD2 Chengdu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BUR04 Bucovina Ar. S, KECS Kecov, MORC Moravsky Berou, DPC Dobruska-Polom, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AKHS Akhisar, AKKS Akhisar, AKS Akhisar, STEP BALIKESIR\_Sava, etc.

WEL 18 03:54:37.0-0.4, 37.51S-179.92E, h33km, ML3.7/13, 2C-1D, Error ellipse: s-maj=4.1km s-min=3.9km az=0.0, Off east coast of North Island

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

ISK 18 03:59:09.4, 38.69N-43.22E, h5km, ML3.0, CSEM 18 03:59:10.6-0.2, 38.69N-43.22E, h2km, ML3.0, Error ellipse: s-maj=5.1km s-min=4.1km az=130.0

DDA 18 03:59:10.1, 38.69N-43.20E, h7km, ML3.2, ISC 18 03:59:10.8-1.1, 38.69N-43.20E-0.03, h13km, 10km, n51, c182/58, Turkey

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

ISCJB 18 03:59:26.0-0.4, 39.04N-0.03-27.38E, 0.04, h11km, Error ellipse: s-maj=4.6km s-min=4.2km az=154.5

CSEM 18 03:59:26.7-0.2, 39.03N-27.39E, h8km, MD2.9, Error ellipse: s-maj=3.9km s-min=3.6km az=48.0

DDA 18 03:59:26.6, 39.07N-27.39E, h7km, ML2.9, ISC 18 03:59:26.1, 39.01N-27.37E, h8km, MD2.9

ISC 18 03:59:26.9-0.9, 39.03N-0.03-27.38E, 0.02, h11km, n44, c057/50, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AKHS Akhisar, AKKS Akhisar, AKS Akhisar, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AKHS Akhisar, AKKS Akhisar, AKS Akhisar, STEP BALIKESIR\_Sava, etc.

ISCJB 18 04:07:09.0-0.5, 6.58N-105.126-29E, 0.06, h79km, 4km, mb4.2/18, Error ellipse: s-maj=10.8km s-min=6.9km az=157.7

IDC 18 04:07:08.7-8.2, 6.53N-126.16E, h67km, 75km, mb3.8/9, mb1 3.9/9, mb1mx3.6/44, mb1mx4.1/9, MS3.2/1, Ms1 3.4/1, ms1mx2.7/40, Error ellipse: s-maj=57.4km s-min=16.0km az=170.0

NEIC 18 04:07:09.3-0.9, 6.66N-126.33E, h77km, 8km, mb4.3/8, Error ellipse: s-maj=14.0km s-min=5.8km az=66.1

MAN 18 04:07:10.1, 10.97N-124.86E, h6km, mb4.3, ML3.2, MS3.0, ISC 18 04:07:09.0-0.8, 6.54N-105.126-29E, 0.08, h69km, 7km, n39, c187/43, mb4.3/18, 1C-3D, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MATI Mati, DAVI Davao City (W), DAV Davao City (W), etc.

ISC 18 04:10:09.8, 39.07N-27.41E, h26km, 1km, ML2.2/5, Error ellipse: s-maj=2.7km s-min=1.5km az=272.0

ISCJB 18 04:10:10.8-0.4, 39.07N-0.02-27.38E, 0.02, h4km, 4km, Error ellipse: s-maj=3.4km s-min=2.7km az=164.9

ISK 18 04:10:10.5, 39.06N-27.38E, h8km, MD2.9, DDA 18 04:10:10.8, 39.07N-27.40E, h7km, MD3.0, CSEM 18 04:10:11.1, 39.03N-27.37E, h10km, MD2.9, Error ellipse: s-maj=3.4km s-min=2.7km az=171.0

ISC 18 04:10:10.8-1.0, 39.06N-0.02-27.39E, 0.02, h12km, 8km, n56, c040/92, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AKHS Akhisar, AKKS Akhisar, AKS Akhisar, etc.

ISCJB 18 03:59:26.0-0.4, 39.04N-0.03-27.38E, 0.04, h11km, Error ellipse: s-maj=4.6km s-min=4.2km az=154.5

CSEM 18 03:59:26.7-0.2, 39.03N-27.39E, h8km, MD2.9, Error ellipse: s-maj=3.9km s-min=3.6km az=48.0

DDA 18 03:59:26.6, 39.07N-27.39E, h7km, ML2.9, ISC 18 03:59:26.1, 39.01N-27.37E, h8km, MD2.9

ISC 18 03:59:26.9-0.9, 39.03N-0.03-27.38E, 0.02, h11km, n44, c057/50, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AKHS Akhisar, AKKS Akhisar, AKS Akhisar, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DKL BALIKESIR\_Sava, STEP BALIKESIR\_Sava, BALB Balikesir, etc.

ISCJB 18 04:10:34.9-1.0, 38.98N-43.51E, h7km, MD2.8, DDA 18 04:10:35.0, 38.97N-43.53E, h7km, MD2.6, CSEM 18 04:10:35.1-0.2, 38.99N-43.53E, h8km, MD2.8, Error ellipse: s-maj=4.3km s-min=3.4km az=94.0

ISC 18 04:10:34.9-1.0, 38.98N-43.56E, 0.02, h5km, 9km, n31, c097/56, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ERVC ERICIS-VAN, ERVC ERICIS-VAN, ERVC ERICIS-VAN, etc.

ISCJB 18 03:59:26.0-0.4, 39.04N-0.03-27.38E, 0.04, h11km, Error ellipse: s-maj=4.6km s-min=4.2km az=154.5

CSEM 18 03:59:26.7-0.2, 39.03N-27.39E, h8km, MD2.9, Error ellipse: s-maj=3.9km s-min=3.6km az=48.0

DDA 18 03:59:26.6, 39.07N-27.39E, h7km, ML2.9, ISC 18 03:59:26.1, 39.01N-27.37E, h8km, MD2.9

ISC 18 03:59:26.9-0.9, 39.03N-0.03-27.38E, 0.02, h11km, n44, c057/50, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AKHS Akhisar, AKKS Akhisar, AKS Akhisar, etc.

ISCJB 18 03:59:26.0-0.4, 39.04N-0.03-27.38E, 0.04, h11km, Error ellipse: s-maj=4.6km s-min=4.2km az=154.5

CSEM 18 03:59:26.7-0.2, 39.03N-27.39E, h8km, MD2.9, Error ellipse: s-maj=3.9km s-min=3.6km az=48.0

DDA 18 03:59:26.6, 39.07N-27.39E, h7km, ML2.9, ISC 18 03:59:26.1, 39.01N-27.37E, h8km, MD2.9

ISC 18 03:59:26.9-0.9, 39.03N-0.03-27.38E, 0.02, h11km, n44, c057/50, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AKHS Akhisar, AKKS Akhisar, AKS Akhisar, etc.







FWVZ	Far West T-bar	3.42 243	Pn	Pn	04 35 00.7 +1.4	SNZO	South Karori	5.12 224	ePn	Pn	04 35 20.5 -2.0	comp=Z,555nm,1.3s	TOO	Toolangi	26.81 260	P	P	04 39 45.7 +0.1
FWVZ	Far West T-bar	3.42 243	ePn	Pn	04 34 60.0 +0.7	SNZO	South Karori	5.12 224	eSn	Sn	04 36 17.1 -3.5	comp=Z,555nm,1.3s	EIDS	Eidsvold	27.03 289	P	P	04 39 47.3 -0.3
FWVZ	Far West T-bar	3.42 243	AML	AML	04 35 48.4	DUWZ	D'Urville Isla	5.27 233	Pn	Pn	04 35 23.1 -1.5	comp=Z,555nm,1.3s	EIDS	Eidsvold	27.03 289	eP	P	04 39 47.1 -0.5
WNVZ	Wahianoa	3.42 241	Pn	Pn	04 34 60.0 +0.7	DUWZ	D'Urville Isla	5.27 233	AML	AML	04 36 35.8	comp=Z,555nm,1.3s	RMQ	Roma	28.20 284	P	P	04 39 58.3 +0.2
WNVZ	Wahianoa	3.42 241	Pn	Pn	04 35 01.5 +2.1	TCW	Tory Channel	5.30 228	Pn	Pn	04 35 23.2 -1.7	comp=Z,555nm,1.3s	CMSA	Cobar Meteorol	28.36 272	P	P	04 39 59.2 -0.2
DRZ	Dome Shelter	3.42 242	Pn	Pn	04 35 06.6 +1.1	TCW	Tory Channel	5.30 228	Pn	Pn	04 36 31.0	comp=Z,555nm,1.3s	FUNA	Funafuti	29.09 359	eP	P	04 40 06.1 +0.1
DRZ	Dome Shelter	3.42 242	ePn	Pn	04 35 48.6	TCW	Tory Channel	5.30 228	AML	AML	04 36 33.7	comp=Z,37nm,1.0s	FUNA	Funafuti	29.09 359	eP	LR	
DRZ	Dome Shelter	3.42 242	AML	AML	04 35 52.0	TCW	Tory Channel	5.30 228	AML	AML	04 35 37.5	comp=Z,5um,19.0s	STKA	Stephens Creek	31.48 269	P	P	04 40 27.7 +0.6
TRVZ	Taurewa	3.42 246	Pn	Pn	04 35 00.5 +1.2	OUZ	Omahuta	5.35 296	ePn	Pn	04 35 27.9 -1.6	comp=Z,12nm,0.9s,baz=108,slow=10,SNR=17	STKA	Stephens Creek	31.48 269	P	PcP	04 43 20.5 +0.8
TRVZ	Taurewa	3.42 246	Pn	Pn	04 35 01.9 +1.2	OUZ	Omahuta	5.35 296	Pn	Pn	04 35 27.9 -1.6	comp=Z,11nm,0.8s,baz=81,slow=2.8,SNR=5.4	STKA	Stephens Creek	31.48 269	P	LR	04 54 00.5
TRVZ	Taurewa	3.42 246	AML	AML	04 35 44.9	OUZ	Omahuta	5.35 296	AML	AML	04 35 30.7 -1.8	comp=Z,5um,18.0s,baz=93,slow=38	STKA	Stephens Creek	31.48 269	P	P	04 40 27.0 0.0
TRVZ	Taurewa	3.42 246	AML	AML	04 36 09.8	OUZ	Omahuta	5.35 296	AML	AML	04 36 43.8	comp=Z,33nm,1.3s	STKA	Stephens Creek	31.48 269	P	P	04 40 29.3 +0.6
TRVZ	Taurewa	3.42 246	AML	AML	04 35 00.7 +1.1	TUWZ	Tuamarina	5.63 227	Pn	Pn	04 35 30.3 -2.3	comp=Z,33nm,1.3s	HTT	Hallett	33.06 265	P	P	04 40 40.9 -0.1
TRVZ	Taurewa	3.42 246	Pn	Pn	04 35 00.7 +1.1	TUWZ	Tuamarina	5.63 227	Pn	Pn	04 36 41.8	comp=Z,33nm,1.3s	HNR	Honiara	33.23 323	LR	LR	04 52 40.8
TRVZ	Taurewa	3.42 246	AML	AML	04 35 00.7 +1.1	TUWZ	Tuamarina	5.63 227	AML	AML	04 36 46.2	comp=Z,1um,18.4s,baz=161,slow=34	HNR	Honiara	33.23 323	eP	Pmax	04 40 40.9 -1.6
TRVZ	Taurewa	3.42 246	AML	AML	04 35 23.9	TUWZ	Tuamarina	5.63 227	AML	AML	04 36 50.9	comp=Z,170nm,0.9s	HNR	Honiara	33.23 323	eP	Pmax	
MKAZ	Moumakai	3.48 279	Pn	Pn	04 35 00.1 +0.2	NNZ	Nelson	5.84 232	Pn	Pn	04 36 50.9	comp=Z,11nm,0.3s	HNR	Honiara	33.23 323	eP	P	04 40 49.1 -1.6
MKAZ	Moumakai	3.48 279	Pn	Pn	04 35 00.1 +0.2	NNZ	Nelson	5.84 232	Pn	Pn	04 36 51.3	comp=Z,33nm,1.3s	PAE	Paea	33.70 62	eP	P	04 40 46.2 -0.4
MKAZ	Moumakai	3.48 279	AML	AML	04 35 42.8	NNZ	Nelson	5.84 232	AML	AML	04 36 51.3	comp=Z,33nm,1.3s	PAE	Paea	33.70 62	eT	T	05 15 53.3
MKAZ	Moumakai	3.48 279	AML	AML	04 35 49.1	NNZ	Nelson	5.84 232	AML	AML	04 36 51.3	comp=Z,11nm,0.3s	CTA	Charters Tower	33.74 292	LR	LR	04 54 56.6
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 58.7	comp=Z,2um,18.8s,baz=122,slow=37	CTA	Charters Tower	33.74 292	P	Pmax	04 40 47.2 +0.3
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,38nm,1.2s	CTA	Charters Tower	33.74 292	eP	Pmax	04 40 46.6 -0.3
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279	AML	AML	04 35 01.9 +0.2	NNZ	Nelson	5.84 232	AML	AML	04 36 59.7	comp=Z,3um,19.0s	CTA	Charters Tower	33.74 292	eP	Pmax	
MKAZ	Moumakai	3.48 279																





18d 4h

Table of station data for 18d 4h, including station names, coordinates, and various parameters like elevation and frequency.

2011 NOV

Main table of station data for 2011 NOV, listing station names, coordinates, and various parameters.

986

Table of station data for 986, including station names, coordinates, and various parameters.

WEL 18 04:39:07.7,0.5,37'515.179,76E,h33km,ML3,8/21, Error ellipse: s-maj=4.7km s-min=4.0km az=0.0,Off east coast of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, including station names like Waiomatatini S, Matakaoa Point, etc.

JMA 18 04:39:38.0,0.1,36'33N,140'95E,h46km,1km,M3.1, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, including station names like Hitachi, Yasato, etc.

NEIC 18 04:42:50.1,0.0,37'49Sx179'91E,h33km,mb4.3/4, ML4.1 (WEL), After WEL.

IDC 18 04:42:51.9,0.3,37'02Sx179'09E,h0km,mb4.1/3, mb1.4/3/3, mb1mx3.9/26, mbtm4.1/3, Error ellipse: s-maj=73.9km s-min=31.1km az=133.0

WEL 18 04:42:51.0,0.4,37'45Sx179'85E,h33km,ML4.1/32, Error ellipse: s-maj=4.7km s-min=3.8km az=0.0

ISC 18 04:42:49.7,3.7,37'55S,070E,h18km,23km,n86,070/74,mb4.1/7, Off east coast of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, including station names like Waiomatatini S, Matakaoa Point, etc.



Table with columns for station name, time, and other parameters. Includes stations like Te Kaha, Raukumara Rang, Matawai, Paritu Road, etc.

Table with columns for station name, time, and other parameters. Includes stations like West Island, FIAO FITNESS, IDC 18 05:40:27.6, etc.

Table with columns for station name, time, and other parameters. Includes stations like PMAN Manadas, ADH Angra Heroismo, PSET Sete Cidades, etc.

PKME	Peaks-Kenny Pk	26.21 305	eP	P	06 06 29.2 +0.3
PKME	Peaks-Kenny Pk	26.21 305	eP	P	06 06 29.2 +0.3
PKME	comp-Z,64nm,1.0s		LR	LR	
WVL	Waterville	26.29 304	eP	P	06 06 30.1 +0.6
WVL	Waterville	26.29 304	eP	P	06 06 30.1 +0.6
RTC	Rabat Centre	26.31 80	PFAKE	LR	06 06 40.0 +10
PBRG	Bragano	26.35 63	eP	P	06 06 30.6 +0.4
PBRG	comp-Z,52nm,1.8s				
SKI	Saint Kitts	27.10 239	eP	Pmax	06 06 39.1 +2.0
SKI	Saint Kitts	27.10 239	eP	P	06 06 39.1 +2.0
SKI	comp-Z,217nm,0.9s				
SKI	Saint Kitts	27.10 239	eP	P	06 06 39.1 +2.0
BRYW	Bryant College	27.17 297	eP	P	06 06 38.7 +1.1
BRYW	Bryant College	27.17 297	eP	P	06 06 38.7 +1.1
HRV	Adam Dzewonski	27.26 299	eP	Pmax	06 06 39.1 +0.8
HRV	Adam Dzewonski	27.26 299	eP	P	06 06 39.1 +0.8
HRV	comp-Z,101nm,1.4s				
HRV	Adam Dzewonski	27.26 299	eP	P	06 06 39.1 +0.8
HRV	Adam Dzewonski	27.26 299	eP	P	06 06 39.1 +0.8
HRV	comp-Z,101nm,1.4s				
BDTS	Babate	27.53 128	LR	LR	06 14 47.7
PDF	Fort de France	27.80 233	PFAKE	LR	06 07 00.0 +17
LBNH	Lisbon	27.81 302	eP	P	06 06 44.5 +1.2
LBNH	comp-Z,98nm,1.5s		Pmax	Pmax	
LBNH	Lisbon	27.81 302	eP	P	06 06 44.5 +1.2
LBNH	comp-Z,98nm,1.5s				
QUAZ	Belchertown	27.82 298	eP	P	06 06 44.5 +1.2
QUAZ	Belchertown	27.82 298	eP	P	06 06 44.5 +1.2
BBGH	Gun Hill	27.96 228	PFAKE	LR	06 07 00.0 +15
PAB	San Pablo	27.99 68	eP	Pmax	06 06 44.5 -0.5
PAB	comp-Z,21nm,1.0s		MLR	MLR	
PAB	San Pablo	27.99 68	eP	P	06 06 44.5 -0.5
PAB	comp-Z,20nm,1.0s				
PAB	San Pablo	27.99 68	eP	P	06 06 44.5 -0.5
PAB	comp-Z,20nm,1.0s				
ESDC	Sonsec Array	28.29 68	P	P	06 06 46.8 -0.9
ESDC	comp-Z,3.0nm,0.8s,baz=270,slow=7.8,SNR=17		LR	LR	06 14 52.8
ESLA	Sonsec Array	28.29 68	eP	P	06 06 46.9 -0.8
ESLA	comp-Z,44nm,1.4s				
ESLA	Sonsec Array	28.29 68	eP	P	06 06 46.9 -0.8
ESLA	comp-Z,44nm,1.4s				
ES19	SONSECA Array	28.34 68	eP	P	06 06 47.2 -0.9
ES19	SONSECA Array	28.34 68	eP	P	06 06 47.2 -0.9
MDT	Midelt	28.36 82	P	P	06 06 46.6 -1.8
MDT	comp-Z,2.9nm,0.9s,baz=288,slow=7.3,SNR=5.2		LR	LR	06 16 33.0
MDV	MDV	28.65 301	eP	P	06 06 51.3 +0.5
MDV	MDV	28.65 301	eP	P	06 06 51.3 +0.5
PAL	Palisades	28.87 295	eP	Pmax	06 06 52.9 +0.2
PAL	Palisades	28.87 295	eP	P	06 06 52.9 +0.2
PAL	comp-Z,32nm,0.9s				
PAL	Palisades	28.87 295	eP	P	06 06 52.9 +0.2
PAL	comp-Z,32nm,0.9s				
ACCN	Adirondack Com	28.91 300	eP	P	06 06 53.6 +0.5
ACCN	Adirondack Com	28.91 300	eP	P	06 06 53.6 +0.5
SCHO	Schefferville	28.93 326	P	P	06 06 52.3 -0.8
SCHO	comp-Z,25nm,1.0s,baz=118,slow=6.4,SNR=11		LR	LR	06 17 53.7
SCHO	Schefferville	28.93 326	eP	P	06 06 52.4 -0.7
SCHO	comp-Z,25nm,1.0s,baz=118,slow=6.4,SNR=11				
SCHO	Schefferville	28.93 326	eP	P	06 06 52.4 -0.7
FRNY	Flat Rock	29.09 303	eP	P	06 06 54.9 +0.3
FRNY	Flat Rock	29.09 303	eP	P	06 06 54.9 +0.3
SJG	San Juan	29.11 245	P	P	06 06 53.8 -1.3
SJG	comp-Z,15nm,0.8s,baz=23,slow=6.3,SNR=4.4		LR	LR	06 16 09.7
SJG	San Juan	29.11 245	eP	Pmax	06 06 55.8 +0.7
SJG	San Juan	29.11 245	eP	P	06 06 55.8 +0.7
SJG	comp-Z,47nm,1.2s				
SJG	San Juan	29.11 245	eP	P	06 06 55.8 +0.7
SJG	comp-Z,47nm,1.2s				
LONY	Lake Ozonia	29.75 302	PFAKE	LR	06 07 10.0 +9.5
PSUB	Penn St. - Bra	30.01 293	eP	P	06 07 04.0 +1.1
PSUB	Penn St. - Bra	30.01 293	eP	P	06 07 04.0 +1.1
TRQ	Mont Tremblant	30.02 305	eP	P	06 07 03.1 +0.2
TRQ	Mont Tremblant	30.02 305	eP	P	06 07 03.1 +0.2
GRGR	Grenville	30.05 230	PFAKE	LR	06 07 20.0 +17
N59A	State Game Lan	30.27 295	P	P	06 07 05.9 +0.7
GRTK	Grand Turk	31.15 256	PFAKE	LR	06 07 30.0 +17
REYF	Montagne du Re	31.15 611	eP	P	06 07 13.1 +0.1
REYF	Montagne du Re	31.15 611	eP	P	06 07 13.1 +0.1
CBN	Corbin Frederi	31.56 289	PFAKE	LR	06 07 30.0 +13
PLVO	Plevna	31.56 303	eP	P	06 07 17.2 +0.7
PLVO	comp-Z,53nm,1.2s				
SPFD	Spotsylvania F	31.68 289	eP	P	06 07 18.5 +0.9
SPFD	comp-Z,28nm,1.0s				
SPFD	Spotsylvania F	31.68 289	eP	P	06 07 18.5 +0.9
SPFD	comp-Z,28nm,1.0s				
PTRD	Partlow Road	31.76 289	eP	P	06 07 19.5 +1.2
PTRD	Partlow Road	31.76 289	eP	P	06 07 19.5 +1.2
MFF	Saint Martin d	31.78 54	eP	Pmax	06 07 17.8 -0.6
MFF	Saint Martin d	31.78 54	eP	P	06 07 17.8 -0.6
MFF	comp-Z,93nm,1.2s				
MFF	Saint Martin d	31.78 54	eP	P	06 07 17.8 -0.6
MFF	comp-Z,93nm,1.2s				
SSPA	Standing Stone	31.88 294	eP	P	06 07 19.8 +0.5
SSPA	Standing Stone	31.88 294	eP	P	06 07 19.8 +0.5
SSPA	comp-Z,31nm,1.0s				
SSPA	Standing Stone	31.88 294	eP	P	06 07 19.8 +0.5
SSPA	comp-Z,31nm,1.0s				
IP05	Hopewell Churc	31.89 289	eP	P	06 07 20.6 +1.2
IP05	Hopewell Churc	31.89 289	eP	P	06 07 20.6 +1.2
IP05	comp-Z,68nm,1.2s				
IP05	Hopewell Churc	31.89 289	eP	P	06 07 20.6 +1.2
IP05	comp-Z,68nm,1.2s				
CVRD	Centerville Ro	31.91 289	eP	P	06 07 21.4 +1.8
CVRD	Centerville Ro	31.91 289	eP	P	06 07 21.4 +1.8
CVRD	comp-Z,30nm,1.0s				
CVRD	Centerville Ro	31.91 289	eP	P	06 07 21.4 +1.8
CVRD	comp-Z,30nm,1.0s				
MMNY	Mt. Morris Dam	31.95 298	eP	P	06 07 21.0 +1.1
MMNY	Mt. Morris Dam	31.95 298	eP	P	06 07 21.0 +1.1

SPRD	Spring Road, M	31.97 289	eP	P	06 07 21.4 +1.2
SPRD	Spring Road, M	31.97 289	eP	P	06 07 21.4 +1.2
SPRD	comp-Z,46nm,1.2s				
JSRW	J. Sargeant Re	32.00 289	eP	P	06 07 21.8 +1.4
JSRW	J. Sargeant Re	32.00 289	eP	P	06 07 21.8 +1.4
IP01	Cuckoo	32.00 289	eP	P	06 07 22.4 +2.0
IP01	Cuckoo	32.00 289	eP	P	06 07 22.4 +2.0
IP01	comp-Z,62nm,1.2s				
IP06	Yanceyville	32.06 289	eP	P	06 07 22.5 +1.6
IP06	Yanceyville	32.06 289	eP	P	06 07 22.5 +1.6
IP06	comp-Z,39nm,1.1s				
IP03	Louisa	32.08 289	eP	P	06 07 22.7 +1.6
IP03	Louisa	32.08 289	eP	P	06 07 22.7 +1.6
IP03	comp-Z,36nm,1.3s				
IP07	Quail	32.10 289	eP	P	06 07 22.6 +1.3
IP07	Quail	32.10 289	eP	P	06 07 22.6 +1.3
IP07	comp-Z,40nm,1.1s				
IP04	Greensprings	32.14 289	eP	P	06 07 22.6 +1.0
IP04	Greensprings	32.14 289	eP	P	06 07 22.6 +1.0
IP04	comp-Z,45nm,1.3s				
LFF	La Freestone	32.15 58	eP	Pmax	06 07 20.0 -1.1
LFF	La Freestone	32.15 58	eP	P	06 07 20.0 -1.1
LFF	comp-Z,54nm,1.1s				
LFF	La Freestone	32.15 58	eP	P	06 07 20.0 -1.1
LFF	comp-Z,54nm,1.1s				
SALF	Salau	32.29 821	eP	P	06 07 23.7 +0.6
SALF	Salau	32.29 821	eP	P	06 07 23.7 +0.6
CNNC	Cliffs of the	32.30 284	PFAKE	LR	06 07 40.0 +17
VLQD	Val d'Or	32.35 308	eP	P	06 07 25.4 +2.1
VLQD	Val d'Or	32.35 308	eP	P	06 07 25.4 +2.1
VLQD	comp-Z,66nm,1.0s				
O56A	Blue Knob Stat	32.40 293	P	P	06 07 24.9 +1.0
SDDR	Presa de Saban	32.59 252	eP	P	06 07 27.0 +1.2
SDDR	Presa de Saban	32.59 252	eP	P	06 07 27.0 +1.2
SDDR	comp-Z,26nm,0.9s				
SDDR	Presa de Saban	32.59 252	eP	P	06 07 27.0 +1.2
SDDR	comp-Z,26nm,0.9s				
CWF	Charnwood Fore	32.69 43	eP	P	06 07 25.6 -0.7
CWF	Charnwood Fore	32.69 43	eP	P	06 07 25.6 -0.7
CWF	comp-Z,32nm,1.0s				
CWF	Charnwood Fore	32.69 43	eP	P	06 07 25.6 -0.7
CWF	comp-Z,32nm,1.0s				
ESK	Eskdalemuir	32.70 38	eP	Pmax	06 07 26.4 0.0
ESK	Eskdalemuir	32.70 38	eP	Pmax	06 07 26.4 0.0
ESK	comp-Z,136nm,1.7s		MLR	MLR	
ESK	Eskdalemuir	32.70 38	eP	P	06 07 26.4 0.0
ESK	comp-Z,136nm,1.7s				
ESK	Eskdalemuir	32.70 38	eP	P	06 07 26.4 0.0
ESK	comp-Z,136nm,1.7s				
BORG	Borgarnes	32.84 14	PFAKE	LR	06 07 40.0 +13
SADO	Sadova	32.99 302	eP	P	06 07 29.4 +0.4
SADO	Sadova	32.99 302	eP	P	06 07 29.4 +0.4
SADO	comp-Z,69nm,0.9s				
M54A	Oil Creek Stat	33.22 296	P	P	06 07 31.8 +0.7
MCWV	Mont Chateau	33.40 292	eP	P	06 07 34.1 +1.4
MCWV	Mont Chateau	33.40 292	eP	P	06 07 34.1 +1.4
MCWV	comp-Z,77m,1.1s				
N54A	Moraine State	33.47 295	P	P	06 07 34.1 +0.9
FRNF	Fournols	33.48 57	eP	P	06 07 33.3 -0.1
FRNF	Fournols	33.48 57	eP	P	06 07 33.3 -0.1
FRNF	comp-Z,63nm,0.9s				
ALLY	Alegheny Colle	33.58 296	eP	P	06 07 35.4 +1.2
ALLY	Alegheny Colle	33.58 296	eP	P	06 07 35.4 +1.2
ALLY	comp-Z,63nm,0.9s				
ALLY	Alegheny Colle	33.58 296	eP	P	06 07 35.4 +1.2
ALLY	comp-Z,63nm,0.9s				
YWCC	Virginia Weste	33.70 288	eP	P	06 07 37.3 +1.9
YWCC	Virginia Weste	33.70 288	eP	P	06 07 37.3 +1.9
YWCC	comp-Z,37nm,1.1s				
PYM	Petit Puy Mans	33.83 571	eP	P	06 07 36.4 -0.1
PYM	Petit Puy Mans	33.83 571	eP	P	06 07 36.4 -0.1
PYM	comp-Z,77m,1.1s				
LBL	Lublich	33.95 581	eP	P	06 07 37.6 +0.1
AGO	Saint Agoulin	33.95 561	eP	P	06 07 37.6 +0.2
AGO	Saint Agoulin	33.95 561	eP	P	06 07 37.6 +0.2
AGO	comp-Z,77m,1.1s				
AGO	Saint Agoulin	33.95 561	eP	P	06 07 37.6 +0.2
AGO	comp-Z,77m,1.1s				
BLA	Blacksburg	34.06 288	eP	Pmax	06 07 39.8 +1.3
BLA	Blacksburg	34.06 288	eP	Pmax	06 07 39.8 +1.3
BLA	comp-Z,61nm,1.4s		MLR	MLR	
BLA	Blacksburg	34.06 288	eP	P	06 07 39.8 +1.3
BLA	comp-Z,61nm,1.4s				
BLA	Blacksburg	34.06 288	eP	P	06 07 39.8 +1.3
BLA	comp-Z,61nm,1.4s				
SFJD	Kangerlussuaq	34.10 352	P	P	06 07 37.3 -1.1
SFJD	Kangerlussuaq	34.10 352	P	P	06 07 37.3 -1.1
SFJD	comp-Z,32nm,1.0s,baz=169,slow=9.6,SNR=7.3				
SFJD	Kangerlussuaq	34.10 352	P	P	06 07 37.3 -1.1
SFJD	comp-Z,32nm,1.0s,baz=169,slow=9.6,SNR=7.3				
SFJD	Kangerlussuaq	34.10 352	eP	Pmax	06 07 37.3 -0.5
SFJD	Kangerlussuaq	34.10 352	eP	Pmax	06 07 37.3 -0.5
SFJD	comp-Z,51nm,1.0s		MLR	MLR	
SFJD	Kangerlussuaq	34.10 352	eP	P	06 07 37.9 -0.5
SFJD	Kangerlussuaq	34.10 352	eP	P	06 07 37.9 -0.5
SFJD	comp-Z,50nm,1.0s				
SFJD	Kangerlussuaq	34.10 352	eP	P	06 07 37.9 -0.5
SFJD	comp-Z,50nm,1.0s				
PLDF	La Plantade</				



18d 6h

Table with columns: Station, Frequency, Modulation, Power, and other technical details. Includes stations like BLO Bloomington, BLO Bloomington, BLO Bloomington, etc.

2011 NOV

Table with columns: Station, Frequency, Modulation, Power, and other technical details. Includes stations like J42A Columbus, P44A Sand Creek, M43A Waltham Townsh, etc.

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Table with columns: Station, Frequency, Modulation, Power, and other technical details. Includes stations like KHC GERESS Array S, KHC Kasperske Hory, KHC Kasperske Hory, etc.



18d 6h

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Table with columns: BCPID, comp, time, status, LR, LR, time, status, LR, LR. Rows include PRAC Prado, F33A 5 Mile Ranch, LANS Liptovska Anna, etc.

Table with columns: STHS, comp, time, status, pmax, pmax, time, status, pmax, pmax. Rows include STHS Stebnicka Huta, STHS Stebnicka Huta, STHS Hoskins, etc.

Table with columns: Y35A, baz=71, time, status, LR, LR, time, status, LR, LR. Rows include Y35A Marietta, 136A Emmis, L33A Hoskins, etc.





KSH	Kashi	85.32	45	P	P	06 13 32.1	+0.6
KSH				pP	sP	06 13 37.6	+1.6
KSH				pP	sP	06 13 40.3	+5.5
KSH				PP	PP	06 16 51.8	+3.1
KSH				S	SKKSac	06 23 54.3	-8.0
KSH				sS	SS	06 24 00.3	-3.0
KSH				SS	SS	06 24 09.1	+1.3
KSH				SS	SS	06 29 36.3	+0.6
KSH				pmax	pmax		
KSH	comp=Z,33nm,1.1s				pmax		
KSH	comp=Z,150nm,5.1s			LR	LR		
KSH	comp=Z,260nm,12.7s			LR	LR		
KSH	comp=Z,650nm,14.1s			LR	LR		
KSH	comp=Z,2um,22.7s			LR	LR		
BOD	Bodaibo	85.98	14	eP	P	06 13 34.2	0.0
BOD				pmax	pmax		
SUR	Sutherland	86.28	133	PFAKE	LR	06 13 50.0	+14
SUR				LR	LR		
BOSA	comp=Z,1um,21.0s						
BOSA	Boshof	86.55	128	P	P	06 13 36.8	-0.8
BOSA	comp=Z,5.5nm,1.1s,baz=45,slow=7.2,SNR=3.3			LR	LR	06 50 07.9	
BOSA	comp=Z,1um,18.4s,baz=318,slow=34			P	P	06 13 36.8	-0.8
BOSA	Boshof	86.55	128	P	P	06 13 36.8	-0.8
BOSA	comp=Z,5.0nm,1.0s			pmax	pmax		
EFI	East Falkland	86.70	192	PFAKE	LR	06 13 50.0	+13
EFI				LR	LR		
WMQ	Urumqi	88.65	36	P	P	06 13 47.4	-0.1
WMQ				pP	sP	06 13 53.0	+0.9
WMQ				sP	sP	06 13 56.9	+6.0
WMQ				S	S	06 24 32.8	-1.4
WMQ				SS	SS	06 30 26.8	+2.9
WMQ	comp=Z,8.0nm,0.7s			pmax	pmax		
WMQ	comp=Z,35nm,3.9s			pmax	pmax		
WMQ	comp=Z,2um,19.7s			LR	LR		
WMQ	comp=Z,2um,18.1s			LR	LR		
WMQ	comp=Z,2um,18.1s			LR	LR		
WMQ	comp=Z,820nm,20.5s			LR	LR		
TLY	Talaya	88.77	22	LR	LR	06 53 34.4	
PET	Petrovsk	92.36	350	PFAKE	LR	06 14 20.0	+16
PET				LR	LR		
PETK	Petrovsk	92.42	350	LR	LR	06 55 24.7	
PETK	comp=Z,756nm,19.7s,baz=12,slow=35			P	P	06 14 07.2	-0.5
PETK	comp=Z,756nm,19.7s,baz=12,slow=35			P	P	06 14 08.1	+0.3
SONA	Songino Array	92.99	23	eP	P	06 14 07.2	-0.5
SONA	Songino Array	93.00	23	P	P	06 14 08.1	+0.3
SONA	comp=Z,1.1nm,0.9s,baz=318,slow=2.0,SNR=5.3			LR	LR	06 56 01.7	
SONM	comp=Z,285nm,20.3s,baz=341,slow=36			LR	LR	06 14 09.6	+0.9
ULN	Ulanbaatar	93.18	221	eP	P	06 14 09.6	+0.9
ULN				pmax	pmax		
ULN	comp=Z,3.0nm,1.3s			P	P	06 14 09.6	+0.9
ULN	comp=Z,17nm,1.5s			LR	LR		
HIA	Hailar	95.20	141	eP	P	06 14 20.2	+2.5
HIA				pmax	pmax		
HIA	comp=Z,3.0nm,0.9s			PFAKE	LR	06 14 30.0	+12
HIA	Hailar	95.20	14	PFAKE	LR	06 14 30.0	+12
HIA				LR	LR		
MSEY	Mahe Island	95.95	92	PFAKE	LR	06 14 30.0	+8.3
MSEY				LR	LR		
ABPO	Ambohimpnom	96.97	108	PFAKE	LR	06 14 40.0	+14
ABPO				LR	LR		
GTA	Gaotai	97.71	31	eP	Pdf	06 14 33.3	+3.8
GTA				pP	sP	06 14 41.9	+7.3
GTA				sP	sP	06 14 44.9	+12
GTA				pmax	pmax		
YSS	Yuzh-Sakhalins	99.73	359	PFAKE	LR	06 14 50.0	+12
YSS				LR	LR		
PMSA	Palmer Station	100.14	191	PFAKE	LR	06 14 50.0	+11
PMSA				LR	LR		
HHC	Hu-ho-hao-te	100.90	23	eP	Pdf	06 14 42.0	-1.6
HHC				PP	PP	06 18 51.6	+1.2
HHC				Sdf	Sdf	06 26 13.8	-8.2
HHC				pmax	pmax		
HHC	comp=Z,24nm,0.9s			pmax	pmax		
HHC	comp=Z,150nm,8.8s			LR	LR		
HHC	comp=Z,1um,17.3s			LR	LR		
HHC	comp=Z,1um,18.5s			LR	LR		
HHC	comp=Z,530nm,19.7s			LR	LR		
LSA	Lhasa	101.06	43	PFAKE	LR	06 15 00.0	+15
LSA				LR	LR		
MDJ	Mudanjiang	101.33	9	P	Pdf	06 14 44.3	-1.0
MDJ				S	Sdf	06 26 22.4	-8.8
MDJ				pmax	pmax		
MDJ	comp=Z,4.0nm,1.0s			pmax	pmax		
MDJ	comp=Z,110nm,4.3s			LR	LR		
MDJ	comp=Z,190nm,26.8s			LR	LR		
MDJ	comp=Z,350nm,25.2s			LR	LR		
MDJ	comp=Z,400nm,28.4s			LR	LR		
MDJ	Mudanjiang	101.33	9	PFAKE	LR	06 15 00.0	+15
MDJ				LR	LR		
CN2	Changchun	101.52	12	eP	Sdf	06 14 45.4	-0.8
CN2				sP	Sdf	06 26 19.4	-7.4
CN2				pmax	pmax		
CN2	comp=Z,10.0nm,0.6s			pmax	pmax		
CN2	comp=Z,200nm,3.0s			LR	LR		
CN2	comp=Z,300nm,18.0s			LR	LR		
CN2	comp=Z,500nm,18.0s			LR	LR		
CN2	comp=Z,400nm,22.0s			LR	LR		
LZH	Lanzhou	102.22	30	eP	Pdf	06 14 47.8	-1.9
LZH				PP	PP	06 18 59.4	-1.3
LZH				SKS	SKS	06 25 24.6	-5.1
LZH				sS	SKKSac	06 26 26.3	+1.8
LZH				SS	SS	06 33 33.8	-3.0
LZH				pmax	pmax		
LZH	comp=Z,29nm,1.5s			pmax	pmax		
LZH	comp=Z,200nm,6.7s			LR	LR		
LZH	comp=Z,1um,17.4s			LR	LR		
LZH	comp=Z,740nm,18.0s			LR	LR		
LZH	comp=Z,2um,19.8s			LR	LR		
BJT	Baijiatau	103.04	20	PFAKE	LR	06 15 00.0	+7.0
BJT				LR	LR		
TAOE	Nuku Hiva Isla	104.45	269	eLR	LR	06 49 24.0	
CD2	Chengdu	106.58	33	Pdf	Pdf	06 15 06.8	-2.2
MIDW	Midway	107.09	323	PFAKE	LR	06 19 30.0	
MIDW				LR	LR		
INCN	Inchon	107.88	12	PFAKE	LR	06 19 30.0	
INCN				LR	LR		
ENH	Enshi	109.60	29	PFAKE	LR	06 19 40.0	
ENH				LR	LR		
MAJO	Matsushiro	110.07	3	PFAKE	LR	06 19 40.0	
MAJO				LR	LR		

KMI	Kunming	110.92	37	PKP	PKIP	06 19 26.8	-1.4
KMI				AMB	AMB		
WHN	Wuhan	111.19	25	PKP	PKIP	06 19 32.3	+4.0
DGAR	Diego Garcia	111.58	84	PFAKE	LR	06 19 40.0	
DGAR				LR	LR		
GYA	Guiyang	111.69	33	ePdf	Pdf	06 15 30.0	-1.9
GYA				PKP	PKIP	06 19 12.1	-1.1
GYA				PP	PP	06 20 13.0	+2.7
GYA				AMB	AMB		
XMAS	Kiritimati	112.49	289	PFAKE	LR	06 19 40.0	
XMAS				LR	LR		
CHTO	Chiang Mai	113.94	44	PFAKE	LR	06 19 50.0	
CHTO				LR	LR		
PPT2	Papeete2	116.78	266	eSS	SS	06 36 54.3	-0.9
PPT2	Papeete2	116.78	266	eLR	LR	06 54 47.9	
YHNB	Yeheng	118.92	21	PFAKE	LR	06 19 50.0	+6.7
YHNB				LR	LR		
QIZ	Qiongzong	119.56	35	PKP	PKP	06 19 45.4	+0.8
QIZ				SS	SS	06 37 31.5	+3.0
QIZ				LR	LR		
QIZ	comp=Z,470nm,12.0s			LR	LR		
QIZ	comp=Z,350nm,15.5s			LR	LR		
QIZ	comp=Z,770nm,24.8s			LR	LR		
QIZ	Qiongzong	119.56	35	PFAKE	LR	06 20 00.0	+15
QIZ				LR	LR		
QSPA	South Pole Qui	123.58	180	PFAKE	LR	06 20 00.0	+9.2
QSPA				LR	LR		
KULM	Kulim	125.34	53	PFAKE	LR	06 20 10.0	+14
KULM				LR	LR		
GSI	Gunungstisi	126.08	59	ePKIP	PKP	06 19 56.9	-0.3
GSI	Gunungstisi	126.08	59	ePKP	PKP	06 19 56.9	-0.3
KKM	Kota Kinabalu	133.84	36	PFAKE	LR	06 20 20.0	+7.9
KKM				LR	LR		
COCO	West Island	134.16	73	PFAKE	LR	06 20 20.0	+7.6
COCO				LR	LR		
SBA	Scott Base	134.35	187	PFAKE	LR	06 20 20.0	+9.0
SBA				LR	LR		
KSM	Kuching	134.40	46	PFAKE	LR	06 20 20.0	+7.0
KSM				LR	LR		
VNDA	Vanda	135.13	186	ePKHP	PKP	06 20 01.4	
VNDA				PKPpre	PKPpre	06 20 01.4	
DAV	Davao City (W)	136.78	23	PFAKE	LR	06 20 30.0	+13
DAV				LR	LR		
FUNA	Funafuti	137.15	297	PFAKE	LR	06 20 30.0	+12
FUNA				LR	LR		
MSVF	Nonsavu	143.59	287	PFAKE	LR	06 20 40.0	+10
MSVF				LR	LR		
KAPI	Kappang	145.09	40	PFAKE	LR	06 20 40.0	+7.7
KAPI				LR	LR		
FAKI	Fak Fak	148.22	18	ePKPbc	PKPbc	06 20 40.9	0.0
HNR	Honiara	150.45	320	PFAKE	LR	06 20 50.0	-2.8
HNR				LR	LR		
URZ	Urewera	150.86	251	PKPbc	PKPbc	06 20 47.3	+0.6
URZ				PKPbc	PKPbc		
PMG	Port Moresby	155.27	346	PFAKE	LR	06 21 00.0	+12
PMG				LR	LR		
MBWA	Marble Bar	157.13	62	PFAKE	LR	06 21 00.0	+10
MBWA				LR	LR		
FITZ	Fitzroy Crossi	159.02	46	PKPab	PKPab	06 21 29.1	-0.1
FITZ				PKPab	PKPab		
NWAO	Narrogin (SRO)	159.79	95	PFAKE	LR	06 21 00.0	+6.7
NWAO				LR	LR		
WRAB	Tennant Creek	164.94	26	PFAKE	LR	06 21 10.0	+11
WRAB				LR	LR		
WRA	Warramunga Arr	164.94	26	PKP	PKP	06 20 57.5	-1.4
WRA				PKPab	PKPab	06 21 53.2	-1.7
ASAR	Alice Springs	168.05	35	PKPab	PKPab	06 22 08.4	-0.3
ASAR				PKPab	PKPab		
AS01	Alice Springs	168.07	35	ePKPab	PKPab	06 22 08.8	-0.1
AS01				PKPab	PKPab		

MHGZ	Mahia Peninsula	2.21	228	PN	Pb	06 02 31.3	-0.5
MHGZ				AML	AML	06 02 59.9	
MHGZ				AML	AML	06 03 01.0	
RAGZ	Rawiri	2.21	248	Pn	Pb	06 02 30.9	-0.9
RAGZ				PN	Pb	06 02 30.9	-0.9
RAGZ				AML	AML	06 03 03.8	
RAGZ				AML	AML	06 03 03.8	
KNZ	Kokohu	2.28	234	ePn	Pb	06 02 31.5	-1.3
KNZ				eSn	Sb	06 03 05.6	+0.6
KNZ	Kokohu	2.28	234	Pn	Pb	06 02 31.5	-1.3
KNZ				AML	AML	06 03 05.6	

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Mount Morrison, Traveller, Kapiti Island, Paruwai Farm, Cannon Point, etc.

DDA 18 06:03:04.5, 38.99N, 43.52E, h17km, M3.5
ISK 18 06:03:04.5, 38.99N, 43.52E, h3km, M3.1
IASPEI 18 06:03:05.0, 0.9, 40.14N, 0.02, 43.50E, 0.02, h13km, G5, 5, 5, 5

ISCJTB 18 06:03:05.0, 0.4, 39.01N, 0.02, 43.52E, 0.04, h10km, 3km, Error ellipse: s-maj=4.7km s-min=3.7km az=170.3

CSEM 18 06:03:05.1, 0.2, 39.00N, 0.02, 43.51E, h5km, M3.5, Error ellipse: s-maj=4.0km s-min=3.4km az=88.0

ISC 18 06:03:05.1, 0.8, 38.99N, 0.02, 43.50E, 0.02, h11km, 5km, n42, <180/63, Turkey

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Siirt\_Merkez, Varto-Mus, Senkaya-Erzuru, BINGOL, etc.

IASPEI 18 06:07:33.5, 0.9, 40.14N, 0.02, 43.40E, 0.03, h7km, 6km, Error ellipse: s-maj=3.7km s-min=2.8km az=88.8, G5, 5, 5, 5

ISCJTB 18 06:07:34.0, 0.5, 40.14N, 0.02, 43.41E, 0.03, h4km, 4km, Error ellipse: s-maj=4.1km s-min=3.1km az=20.9

CSEM 18 06:07:33.8, 40.14N, 43.49E, h9km, MD2.8, ISK 18 06:07:33.8, 40.14N, 43.49E, h9km, MD2.8

ISC 18 06:07:33.8, 40.14N, 43.41E, h29km, 1km, Error ellipse: s-maj=7.0, 0.9, 40.14N, 0.02, 43.43E, 0.02, h7km, 6km, n47, <088/84, 1C, Turkey-Georgia-Armenia border

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

EPOS Posof 1.22 334 I P P 06 07 56.5 -0.6

ISCJTB 18 06:07:35.4, 0.9, 39.64N, 38.69E, h20km, M3.8, DDA 18 06:07:35.4, 0.9, 39.64N, 38.69E, h20km, M3.8

ISCJTB 18 06:07:36.2, 0.7, 39.67N, 0.03, 38.68E, 0.07, h8km, 10km, Error ellipse: s-maj=9.3km s-min=5.0km az=1.6

ISC 18 06:07:35.6, 1.0, 39.67N, 0.03, 38.73E, 0.06, h18km, 7km, n9, <059/18, Turkey

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

NIED 18 06:22:00.27, 00N, 126.70E, h5km, Mw4.2, Best double couple: M2, 12000, 1015 NP1, <218.00000, 830.00000, <1, 27.00000, NP2, <79.00000, <67.00000, <1, 71.00000

JMA 18 06:22:31.9, 0.3, 27.03N, 126.65E, h21km, 4km, M3.5, IDC 18 06:22:45.9, 4.6, 27.27N, 126.64E, h93km, 46km, mb3.5/6, mb1.3/6.8, mb1mx3.4/36, mbtmp3.8/8, MS3.3/1, Ms1.3/3.1, ms1mx2.8/29, Error ellipse: s-maj=37.0km s-min=17.8km az=65.0

ISC 18 06:22:33.9, 2.8, 26.94N, 0.06, 126.74E, 0.06, h9km, 19km, n19, <1870/23, mb3.7/6, Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Aguni-jima, Kume jima 2, Iheya, Tamagusuku 2, Nagotoyohara, etc.

ISCJTB 18 06:24:33.1, 9.6, 17.8S, 125.21E, h562km, 25km, mb3.2/9, mb1.3/4.12, mb1mx3.2/32, mbtmp4.3/12, Error ellipse: s-maj=39.2km s-min=8.7km az=72.0

DJA 18 06:25:17.3, 0.5, 8.1S, 161.3E, h116km, 13km, M4.5/6, mb5.2/2, mb4.9/2, MLV4.0/6, (Mw)B4.5/2

ISC 18 06:24:32.0, 6.2, 6.20S, 0.38, 125.2E, 0.1, h550km, n24, <125/25, mb3.8/9, Banda Sea

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

Table with columns: Code, Station Name, Az, El, P, M, Res. Includes stations like LBTB Lobatse, LPAZ La Paz, LPAZ La Paz, LSZ Lusaka, etc.

Table with columns: Code, Station Name, Az, El, P, M, Res. Includes stations like LVC Limon Verde, LVC Limon Verde, LVC IPOC Station P, etc.

Table with columns: Code, Station Name, Az, El, P, M, Res. Includes stations like SKNT Sakolnokr, CM01 Chiang Mai Arr, CM31 Chiang Mai Arr, etc.

ISCJB 18 06:50:30.6±1.2, 35.00N±0.05, 33.86E±0.07, h47km±6km, Error ellipse: s-maj=10.8km s-min=7.1km az=44.6

CSEM 18 06:50:30.7±0.2, 34.38N±3.89E, h40km, ML3.0, Error ellipse: s-maj=5.3km s-min=3.5km az=126.0

ISK 18 06:50:30.4±0.2, 34.38N±3.79E, h20km, ML3.0, Error ellipse: s-maj=5.0km s-min=3.5km az=126.0

NIC 18 06:50:32.0±0.2, 34.83N±3.79E, h20km, ML3.0, Error ellipse: s-maj=5.0km s-min=3.5km az=126.0

ISC 18 06:50:36.2±0.2, 34.97N±0.07, 33.87E±0.06, h45km±11km, n23, c054/41, Cyprus region

Table with columns: Code, Station Name, Az, El, P, M, Res. Includes stations like PHNC Paralimni, PHNC Paralimni, PHNC Paralimni, etc.

NEIC 18 06:57:35.4±0.6, 21.92S±66.89W, h172km, 7km, mb4.4/10, Error ellipse: s-maj=10.6km s-min=7.9km az=117.0

SJA 18 06:57:35.9±0.6, 21.96S±67.16W, h203km, 5km, ML2.7, MW2.9

ISCJB 18 06:57:36.2±0.3, 21.93S±0.03, 67.25W±0.03, h198km, 4km, mb4.9/9, Error ellipse: s-maj=5.6km s-min=4.2km az=139.5

IDC 18 06:57:36.1±0.1, 21.92S±66.96W, h174km, 17km, mb3.8/1, mb1.3/6.6, mb1mx3.3/20, mbtrmp4.1/6, Error ellipse: s-maj=24.2km s-min=13.1km az=106.0

GUC 18 06:57:37.5±0.6, 21.70S±67.83W, h244km, 11km, ML4.1, Error ellipse: s-maj=13.0km s-min=9.2km az=119.2

ISC 18 06:57:37.0±0.7, 21.92S±0.04, 67.21W±0.04, h192km, 7km, n45, c152/66, mb4.5/9, 4C-5D, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, El, P, M, Res. Includes stations like Code Station Name, Az, El, P, M, Res.

BUI 18 06:57:48.5±0.7, 20N±97.25E, h41km, mb4.9/47, MB5.0/27, MS4.5/20, MS7.4/321

ISCJB 18 06:57:50.0±0.3, 1.15N±0.03, 97.12E±0.03, h25km, mb4.7/53, MS4.2/8, Error ellipse: s-maj=5.7km s-min=3.5km az=138.8

DJA 18 06:57:50.5±1.1, 1.1N±4.9'E, h12km, 10km, M4.6/7, mb4.5/7, MB5.4/3, MLV4.6/7, Mw(MB)4.8/3

IDC 18 06:57:52.4±7.9, 1.13N±97.14E, h33km±60km, mb4.2/25, mb1.4/3.27, mb1mx4.1/46, mbtrmp4.4/27, ML4.5/2, Error ellipse: s-maj=22.9km s-min=12.0km az=47.0

NEIC 18 06:57:53.9±0.8, 1.24N±97.13E, h42km±6km, mb4.7/21, Error ellipse: s-maj=8.0km s-min=4.2km az=51.0

KLM 18 06:57:53.2, 1.26N±97.06E, h43km, M4.4, Error ellipse: s-maj=5.3km s-min=3.5km az=126.0

ISC 18 06:57:51.3±0.4, 1.17N±0.05, 97.07E±0.06, h25km, n159, c199/165, mb4.7/53, MS4.3/8, 9C-7D, Northern Sumatra

Table with columns: Code, Station Name, Az, El, P, M, Res. Includes stations like Code Station Name, Az, El, P, M, Res.

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Code Station Name Az El P M Res. Includes stations like Code Station Name, Az, El, P, M, Res.





ZALV	Zalesovo Beam	18.77	24	eP	P	07 35 42.9	-0.3
ZALV	Zalesovo Beam	18.77	24	eP	P	07 35 42.9	-0.3
ARU	Arti	21.19	339	eP	P	07 36 09.4	+0.4
ARU	Arti	21.19	339	dIP	S	07 36 08.6	-0.4
ARU	Arti	21.19	339	dIP	S	07 39 52.0	-0.1
ARU	Arti	21.19	339	dIP	S	07 40 10.1	
ARU	Arti	21.19	339	eP	P	07 36 09.6	+0.5
GNI	Garni	21.57	286	eP	P	07 36 12.4	-1.0
GTA	Gaotai	21.72	76	eP	P	07 36 16.3	+1.4
GTA	Gaotai	21.72	76	eP	P	07 37 21.0	+6.9
NCK	Nalchik	22.57	295	eP	P	07 36 21.6	-1.1
KIV	Kislovodsk	23.28	296	eP	P	07 36 26.8	-2.4
MOY	Mondy	24.84	46	eP	P	07 36 45.1	+1.8
LZH	Lanzhou	25.83	83	eP	P	07 36 47.8	-0.2
LZH	Lanzhou	25.83	83	eP	P	07 37 37.8	+1.3
LZH	Lanzhou	25.83	83	eP	P	07 37 55.6	+4.2
RAYN	Ar Rayn	26.71	247	eP	P	07 37 00.3	0.0
CD2	Chengdu	26.82	94	eP	P	07 37 00.1	-1.1
SOM1	Songino Array	27.07	56	eP	P	07 37 04.7	+1.3
SONA1	Songino Array	27.08	56	eP	P	07 37 04.9	+1.4
ANN	Anapa	27.10	297	eP	P	07 37 08.0	+4.5
ULN	Ulaanbaatar	27.52	56	eP	P	07 37 08.8	+1.4
ULN	Ulaanbaatar	27.52	56	eP	P	07 37 08.8	+1.4
KMI	Kunming	28.68	106	eP	P	07 37 20.0	+2.0
KMI	Kunming	28.68	106	eP	P	07 37 20.0	+2.0
OBN	Obninsk	29.96	318	eP	P	07 37 27.6	-1.0
OBN	Obninsk	29.96	318	eP	P	07 38 13.3	+4.0
BRTR	Reskin Array B	30.11	287	eP	P	07 37 31.0	+0.6
HHC	Hu-ho-hao-te	30.58	71	eP	P	07 37 35.5	+1.1
HHC	Hu-ho-hao-te	30.58	71	eP	P	07 37 35.5	+1.1
GYA	Guyiang	31.04	100	eP	P	07 37 40.0	+1.3
GYA	Guyiang	31.04	100	eP	P	07 37 40.0	+1.3
KLMR	Klimovskoe	31.25	329	eP	P	07 37 37.7	-2.2
KLMR	Klimovskoe	31.25	329	eP	P	07 40 27.5	
AKASG	Malin Array Be	33.19	308	eP	P	07 37 57.3	+0.3
BJI	Beijing	34.17	72	eP	P	07 38 03.1	-2.4
BJI	Beijing	34.17	72	eP	P	07 38 03.1	-2.4
FLA1	FINESS Array M	37.35	325	eP	P	07 38 32.8	+0.6
FINES	FINESS Array B	37.35	325	eP	P	07 38 32.7	+0.5
NJ2	Nanjing	38.41	84	eP	P	07 38 43.0	+1.5
KEV	Kevo	40.40	338	eP	P	07 38 58.0	+0.6
KEV	Kevo	40.40	338	eP	P	07 38 58.0	+0.6
YAK	Yakutsk	42.73	36	eP	P	07 39 16.4	0.0
YAK	Yakutsk	42.73	36	eP	P	07 40 04.2	+5.0
MDJ	Mudanjiang	43.16	62	eP	P	07 39 16.5	-3.6
MDJ	Mudanjiang	43.16	62	eP	P	07 39 16.5	-3.6
KLR	Kul'di	43.88	55	eP	P	07 39 25.8	0.0
NB2	NORSAR Subarra	44.31	322	eP	P	07 39 28.9	-0.1
NOA	NORSAR Array B	44.31	322	eP	P	07 39 28.9	-0.1
NOA	NORSAR Array B	44.31	322	eP	P	07 39 29.0	-0.1
NOA	NORSAR Array B	44.31	322	eP	P	07 39 29.0	-0.1
TIXI	Tiksi	44.65	22	eP	P	07 39 31.5	0.0
TIXI	Tiksi	44.65	22	eP	P	07 39 31.5	0.0
TIXI	Tiksi	44.65	22	eP	P	07 39 31.5	0.0
TIXI	Tiksi	44.65	22	eP	P	07 39 31.5	0.0
VLA	Vladivostok	45.10	63	eP	P	07 39 35.8	+0.3
SPA0	Spitsbergen Ar	46.91	346	eP	P	07 39 50.6	+1.4
BILL	Bilibino	47.54	261	eP	P	07 41 06.2	-0.5
BILL	Bilibino	47.54	261	eP	P	07 41 06.2	-0.5
SUMG	Summit	60.59	341	eP	P	07 41 29.9	+1.1
SUMG	Summit	60.59	341	eP	P	07 41 29.9	+1.1
RTC	Rabat Centre	62.51	293	eP	P	07 41 41.6	-0.1
TOAO	Torodi Ar. Sit	66.70	269	eP	P	07 42 07.9	-1.2
TORD	Torodi Ar. Bea	66.70	269	eP	P	07 42 07.8	-1.2
TOLK	Toolik Lake Re	69.88	15	eP	P	07 42 28.2	+0.1
KOWA	Kowa	70.48	274	eP	P	07 42 32.2	-0.3
IMAR	Indian Mountain	71.09	18	eP	P	07 42 34.8	-0.5
INK	Inuvik	72.93	10	eP	P	07 42 46.1	-0.1
INK	Inuvik	72.93	10	eP	P	07 42 46.4	+0.2
COLA	College	73.41	17	eP	P	07 42 48.9	-0.2
COLA	College	73.41	17	eP	P	07 42 48.9	-0.2
IL1	Eielson Array	73.72	16	eP	P	07 42 50.1	-0.8
ILAR	Eielson Array	73.72	16	eP	P	07 42 50.0	-0.8
PKLH	Kantishna Hill	73.78	19	eP	P	07 42 51.3	-0.1
PURK	Purkelle	73.99	19	eP	P	07 42 52.2	-0.5
MCK	McKinley	74.12	18	eP	P	07 42 53.1	-0.2
MCK	McKinley	74.12	18	eP	P	07 42 53.1	-0.2
RND	Reindeer	74.42	18	eP	P	07 42 54.3	-0.8
RND	Reindeer	74.42	18	eP	P	07 42 54.3	-0.8
RND	Reindeer	74.42	18	eP	P	07 42 54.3	-0.8
DHY	Denali Highway	75.06	17	eP	P	07 42 58.2	-0.6
DOT	Dot Lake	75.32	16	eP	P	07 42 59.6	-0.6
PAX	Paxson	75.59	17	eP	P	07 43 01.6	-0.2
PAX	Paxson	75.59	17	eP	P	07 43 01.6	-0.2

PAX	Paxson	75.59	17	eP	P	07 43 01.6	-0.2
DAWY	Dawson	75.90	14	eP	P	07 43 03.2	-0.2
LBTB	Libtase	75.94	223	eP	P	07 43 03.1	-1.1
LBTB	Libtase	75.94	223	eP	P	07 43 03.1	-1.1
SCM	Sheep Creek Mo	76.13	18	eP	P	07 43 04.4	-0.4
SCM	Sheep Creek Mo	76.13	18	eP	P	07 43 04.4	-0.4
HARP	HAARP	76.16	17	eP	P	07 43 05.5	+0.6
BALM	Baldy	78.00	16	eP	P	07 43 15.5	+0.2
BALM	Baldy	78.00	16	eP	P	07 43 15.5	+0.2
WHY	Whitehorse	79.87	13	eP	P	07 43 25.8	+0.3
YKA	Yellowknife Arr	80.37	3	eP	P	07 43 26.7	-1.2
LTY	Liberty	95.01	9	eP	P	07 44 38.6	-0.5
TRQA	Torquait	144.02	254	ePKPdf	PKPbc	07 50 50.0	+0.6
PLCA	Paso Flores	151.01	252	ePKPbc	PKPbc	07 51 07.8	-0.6
PLCA	Paso Flores	151.01	252	ePKPbc	PKPbc	07 51 08.4	+0.1

WEL 18 07:31:57.4:0.7, 27.405x179.90E, h33km, ML3.0, 5.0, 1C,  
 Error ellipse: s-maj=6.1km s-min=6.0km az=0.0, Off east coast of North Island

Code	Station Name	Δ° AZ'	Phase ID	Time	Res
WMGZ	Waiomatatini S	1.26 250	PN	07 32 18.0	-0.6
WMGZ	Waiomatatini S	1.26 250	SN	07 32 33.9	+0.5
WMGZ	Waiomatatini S	1.26 250	AML	07 32 34.3	
WMGZ	Matakaoa Point	1.28 262	PN	07 32 18.2	-0.8
MXZ	Matakaoa Point	1.28 262	SN	07 32 33.8	-1.2
MXZ	Matakaoa Point	1.28 262	AML	07 32 34.1	
PUZ	Puketiti	1.47 242	PN	07 32 20.8	-0.7
PUZ	Puketiti	1.47 242	SN	07 32 39.0	
PUZ	Puketiti	1.47 242	AML	07 32 41.1	
PKGZ	Pakihiroa	1.53 251	PN	07 32 22.0	-0.4
PKGZ	Pakihiroa	1.53 251	SN	07 32 40.5	
PKGZ	Pakihiroa	1.53 251	AML	07 32 41.1	
HAZ	Te Kaha	1.72 257	PN	07 32 25.2	+0.2
HAZ	Te Kaha	1.72 257	SN	07 32 45.7	
HAZ	Te Kaha	1.72 257	AML	07 32 46.4	
CNGZ	Carnagh Statio	1.73 230	PN	07 32 27.6	-0.4
RUGZ	Raukumara Rang	1.86 251	PN	07 32 29.2	-0.2
TKGZ	Te Karaka	1.93 237	PN	07 32 27.4	-0.5
TKGZ	Te Karaka	1.93 237	SN	07 32 50.2	
TKGZ	Te Karaka	1.93 237	AML	07 32 51.4	
IMWZ	Matawai	2.10 243	PN	07 33 09.6	
RIGZ	Rimuahu	2.14 232	PN	07 32 30.2	-0.6
RIGZ	Rimuahu	2.14 232	SN	07 32 54.5	-1.7
RIGZ	Rimuahu	2.14 232	AML	07 32 56.7	
URZ	Urewera	2.37 248	PN	07 32 33.9	0.0
URZ	Urewera	2.37 248	SN	07 33 01.2	
URZ	Urewera	2.37 248	AML	07 33 01.2	
KNZ	Kokohu	2.39 227	PN	07 32 32.5	-1.7
RTZ	Ratapanu	2.61 241	PN	07 32 37.1	-0.2
ARHZ	Aroapanu	2.95 230	PN	07 32 41.1	0.8
BKZ	Black Stump Fm	3.21 236	PN	07 32 44.8	-0.8
BHZ	Black Hill Sta	3.67 234	PN	07 32 50.8	-1.1
BFZ	Birch Farm	4.34 220	PN	07 32 57.5	-3.5
MFZ	Mangatainoka R	4.69 225	ePN	07 33 02.6	-3.2

JMA 18 07:32:52.9:0.5, 33.99N-141.80E, h21km, 4km, M3.7,  
 IDC 18 07:32:53.0:0.7, 34.14N, 141.65E, h0km, mb3.9/13,  
 mb1 4.0/14, mb1mx3.9/38, mbmp3.9/14, ML3.7/1, Error  
 ellipse: s-maj=18.7km s-min=16.3km az=107.0,  
 IS/CJB 18 07:32:55.6:0.4, 34.11N, 0.0/4.1, 69E, 0.05, h24km,  
 mb4.2/27, Error ellipse: s-maj=6.4km s-min=4.8km  
 az=38.1,  
 NEIC 18 07:32:59.9:1.0, 34.12N, 141.56E, h40km, 8km, mb4.5/15,  
 Error ellipse: s-maj=9.0km s-min=6.2km az=93.0,  
 ISC 18 07:32:57.3:0.7, 34.09N, 0.06/141.59E, 0.07, h24km, n54,  
 +0.66/53, mb4.3/27, Off east coast of Honshu

Code	Station Name	Δ° AZ'	Phase ID	Time	Res
BSO1	Boso 1	0.78 318	Op	07 33 10.3	-1.3
BSO1	Boso 1	0.78 318	S	07 33 23.3	+0.8
BSO3	Boso 3	1.14 309	PN	07 33 17.1	-0.5
BSO4	Boso 4	1.37 311	PN	07 33 20.8	-0.1
BSO4	Boso 4	1.37 311	S	07 33 39.2	+1.0
JHJ2	Mitsune	1.77 237	ePN	07 33 29.9	-1.3
JHJ	Hachioji jima 2	1.79 238	PN	07 33 27.5	+0.7
JHJ	Hachioji jima 2	1.79 238	SN	07 33 51.0	-0.5
JIM2	Oshima 3	1.89 290	PN	07 33 27.2	-1.0
JIM2	Oshima 3	1.89 290	S	07 33 51.5	+0.2
MJAR	Matsushiro Arr	3.69 312	PN	07 33 52.3	+0.3
MJAR	Matsushiro Arr	3.69 312	SN	07 34 36.5	+0.7
MAJO	Matsushiro	3.70 312	ePN	07 33 57.3	+0.7
MAJ	Matsushiro	3.70 312	P	07 33 53.5	+0.5
MAJ	Matsushiro	3.70 312	P	07 34 01.1	+1.1
MJB9	Matsu-Tunnel	3.70 312	ePN	07 33 53.9	+0.9
INU	Inuyama	3.97 290	ePN	07 33 58.8	+2.1
HIA	Hailar	22.16 320	eP	07 37 52.5	+1.0
H11N2	WAKE ISLAND Hy	26.62 116	T	08 06 34.9	
H11N1	WAKE ISLAND Hy	26.62 116	T	08 06 33.2	
H11N3	WAKE ISLAND Hy	26.62 116	T	08 06 34.1	
SONA1	Songino Array	29.63 308	eP	07 39 02.2	+1.3
SONA0	Songino Array	29.64 308	eP	07 39 02.3	+1.4
SONM	Songino Array	29.64 308	P	07 39 02.3	+1.4
ZAA1	Zalesovo Beam	44.05 315	eP	07 41 02.4	-0.6
ZALV	Zalesovo Beam	44.05 315	P	07 41 02.4	-0.6
MK01	Makanchi Array	45.85 305	eP	07 41 18.0	+0.5
MK32	Makanchi Array	45.85 305	eP	07 41 17.6	+0.1
MKAR	Makanchi Array	45.85 305	P	07 41 17.7	+0.1
MTN	Manton Dam	47.72 194	eP	07 41 33.3	+0.9
KURK	Kurchatov	47.90 310	eP	07 41 33.2	-0.2
KURB	Kurchatov Arra	47.97 310	P	07 41 32.2	-1.7
IMAR	Indian Mountain	49.13 29	eP	07 41 43.8	+1.1
KDAK	Kodiak Island	49.22 40	eP	07 41 43.8	+0.3
SEW	Seward	50.80 37	eP	07 41 56.5	+1.2
TOLK	Toolik Lake Re	51.03 26	eP	07 41 58.5	+1.4
WRH	Wolver River Hil	51.40 31	eP		

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like KRHZ Kereru, KUZ Kuaotunu, and AS01 Alice Springs.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like X35A Drake, X35A Oologah, and X35A Greenbrier Sit.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like TKGZ Te Karaka, WMGZ Matawai, and URZ Urewera.

ISC/JB 18 07:41:06.9:0.4, 35.54N:0.01:96.74W:0.02, h4km, 3km, Error ellipse: s-maj=3.3km s-min=2.5km az=0.8

NEIC 18 07:41:08.0:0.0, 35.54N:96.76W, h7km, ML3.3(TUL), After TUL

NEIC Felt [I] at Prague and Tulsa, Felt in the End-Muskogee-Norman area

ISC 18 07:41:08.2:0.9, 35.55N:0.02:96.73W:0.02, h9km, 8km, n79, c0.95/111, Oklahoma

WEL 18 07:46:53.9:0.4, 37.40S:179.75E, h33km, ML3.5/8, Error ellipse: s-maj=3.4km s-min=3.2km az=0.0, Off east coast of North Island

WEL 18 07:51:21.3:0.4, 37.44S:179.95E, h33km, ML5.7/126, Mw5.8, Error ellipse: s-maj=3.8km s-min=3.7km az=0.0, MM4.4

WEL Felt between Northland, Canterbury and Gisborne, maximum reported intensity

BJI 18 07:51:23.5, 37.50S:179.70E, h14km, mb5.5/31, mb6.0/43, Ms5.6/49, Ms7.5/43

GCMT 18 07:51:24.7:0.1, 37.51S:179.62E, h12km, MW5.8/143, Moment Tensor Solution. s127.c229; s143.c413; Duration: 1s8 Moment tensor: Scale 1017Nm;

Mm-4.66±.03; Mm0.152±.04; Mm0.314±.03; Mm0.35±.10; Mm0.239±.03; Mm0.231±.10; Best double couple: M5.2390x1017 NP1.0±204.00000°, δ58.00000°, λ-102.00000°

NP2.0±46.00000°, δ34.00000°, λ-71.00000° Principal axes: T: 5.1750, P: 12.0000, Azm303.0000°; N: 0.1280, P: 119.0000, Azm71.0000°; S: 5.3030, P: 174.0000, Azm81.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.

NEIC 18 07:51:24.7:0.1, 37.81S:179.42E, h12km, mb5.8/127, ME5.7, MS5.6/174, MW5.8, ML6.1(WEL) Error ellipse: s-maj=4.6km s-min=2.3km az=147.0 Broadband fault plane solution: P waves. NP1.0±20.00000°, δ15.00000°, λ-90.00000° NP2.0±200.00000°, δ75.00000°, λ-90.00000° Principal axes: T: P: 10.0000, Azm290.0000°; N: P: 110.0000, Azm0.0000°; S: P: 110.0000, Azm110.0000° Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism

NEIC Felt [V] at Rauatora. Also felt at Patutahi and Tokomaru. Felt in the eastern part of the North Island.

IDC 18 07:51:27.8:2.0, 37.55S:179.36E, h31km, mb5.2/28, mb1.5/29, mb1mx5.1/32, mbtmp5.3/29, ML4.6/1.1, MS5.3/26, Ms1.5/26, ms1mx5.2/31 Error ellipse: s-maj=12.3km s-min=9.4km az=11.0

NEIC 18 07:51:27.0:0.0, 37.06S:179.70E, h11km, Moment Tensor Solution. s24 Moment tensor: Scale 1017Nm; Mm-3.84; Mm0.80; Mm0.304; Mm-0.74; Mm0.27; Mm0.373; Best double couple: M5.70000°1017 NP1.0±196.00000°, δ113.00000°, λ-113.00000°; P: 113.00000°, Azm229.54.00000°, δ32.00000°, λ-46.00000° Principal axes: T: 5.4000, P: 18.0000, Azm293.0000°; N: 0.4700, P: 102.0000, Azm195.0000°; S: 5.8700, P: 160.0000, Azm60.0000°

MOS 18 07:51:28.6:1.1, 37.50S:179.24E, h42km, mb5.8/54, MS5.5/44 Error ellipse: s-maj=9.9km s-min=8.4km az=79.5

ISC/JB 18 07:51:28.4:0.4, 37.74S:0.03:179.23E:0.03, h46km, 3km, mb5.7/173, MS5.6/220, Error ellipse: s-maj=4.4km s-min=4.1km az=173.2

ISC 18 07:51:27.3:0.4, 37.72S:0.02:179.43E:0.02, h30km, 2km, TWGZ Tauwhareparea, n1196, c156/111, mb5.7/162, MS5.6/221, 29C-34D, Off east coast of North Island

Code Station Name Az Phase ID Time Res ISC

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

1001

MTHZ	Maungataniwha	2.33 240	PN	Pn	07 52 03.5	-0.1
TARZ	Mount Tarawera	2.37 257	PN	Pn	07 52 04.8	+0.6
TARZ	Mount Tarawera	2.37 257	PN	Pn	07 52 04.2	+0.1
TARZ			AML	AML	07 52 43.6	
MKRZ	Makaiti	2.38 259	PN	Pn	07 52 06.4	+2.1
MKRZ			AML	AML	07 52 23.8	
RRRZ	Republican Roa	2.39 254	PN	Pn	07 52 04.5	+0.2
RRRZ	Republican Roa	2.39 254	PN	Pn	07 52 04.5	+0.2
RRRZ			AML	AML	07 52 46.5	
RRRZ			AML	AML	07 52 01.8	
LIRZ	Lichensteins R	2.43 262	PN	Pn	07 52 05.6	+0.6
LIRZ	Lichensteins R	2.43 262	AML	AML	07 53 02.2	
OMRZ	Omania	2.45 260	PN	Pn	07 52 05.4	+0.1
OMRZ			AML	AML	07 52 60.0	
ARHZ	Aropaoanui	2.46 230	PN	Pn	07 52 04.8	-0.4
ARHZ			AML	AML	07 52 43.2	
ARHZ			AML	AML	07 52 47.5	
NMZH	Naumai	2.48 236	PN	Pn	07 52 05.8	+0.1
NMZH	Naumai	2.48 236	PN	Pn	07 52 05.4	-0.3
NMZH			AML	AML	07 52 42.6	
NMZH			AML	AML	07 52 49.2	
HLRZ	Highlands Stat	2.49 257	AML	AML	07 52 51.8	
HLRZ			AML	AML	07 53 05.4	
TGRZ	Tauranga	2.52 269	PN	Pn	07 52 05.9	-0.2
TGRZ	Tauranga	2.52 269	PN	Pn	07 52 05.7	-0.4
TGRZ			AML	AML	07 53 10.5	
TGRZ			AML	AML	07 53 11.3	
PRRZ	Plateau Road	2.52 251	PN	Pn	07 52 06.2	+0.1
PRRZ	Plateau Road	2.52 251	PN	Pn	07 52 06.2	+0.1
PRRZ			AML	AML	07 52 54.4	
PRRZ			AML	AML	07 53 06.2	
KARZ	Kaharoa	2.54 262	PN	Pn	07 52 06.5	+0.1
KARZ	Kaharoa	2.54 262	PN	Pn	07 52 06.5	+0.1
KARZ			AML	AML	07 52 19.3	
KARZ			AML	AML	07 52 23.0	
HRRZ	Handcock Road	2.58 254	PN	Pn	07 52 07.0	0.0
HRRZ	Handcock Road	2.58 254	PN	Pn	07 52 07.0	0.0
HRRZ			AML	AML	07 52 45.2	
HRRZ			AML	AML	07 52 53.9	
ALRZ	Allen Road	2.58 250	PN	Pn	07 52 07.1	+0.1
ALRZ	Allen Road	2.58 250	PN	Pn	07 52 07.1	+0.1
ALRZ			AML	AML	07 53 02.3	
ALRZ			AML	AML	07 53 10.3	
HSRZ	Hossack Road	2.59 256	AML	AML	07 52 07.4	+0.3
HSRZ			AML	AML	07 52 31.9	
NGRZ	Ngongotaha	2.59 261	PN	Pn	07 52 08.1	+0.8
MHZZ	Matea Rd	2.62 244	AML	AML	07 52 47.0	
MHZZ			AML	AML	07 52 47.0	
CKHZ	Cape Kidnapper	2.67 223	PN	Pn	07 52 07.2	-1.1
CKHZ	Cape Kidnapper	2.67 223	PN	Pn	07 52 07.2	-1.1
CKHZ			AML	AML	07 52 50.4	
CKHZ			AML	AML	07 52 59.8	
GRRZ	Galatos Road	2.70 256	PN	Pn	07 52 08.8	+0.2
GRRZ			AML	AML	07 52 08.6	
GRRZ			AML	AML	07 53 08.6	
WPRZ	Whakapapatarin	2.70 252	PN	Pn	07 52 08.3	-0.4
WPRZ	Whakapapatarin	2.70 252	PN	Pn	07 52 08.3	-0.4
WPRZ			AML	AML	07 52 36.7	
WPRZ			AML	AML	07 52 48.2	
BKZ	Black Stump Fm	2.72 237	ePN	Sb	07 52 08.8	-0.2
BKZ	Black Stump Fm	2.72 237	ePN	Sb	07 52 47.0	-1.3
BKZ			AML	AML	07 52 08.5	-0.5
BKZ			AML	AML	07 52 46.8	
BKZ			AML	AML	07 52 47.3	
MCHZ	McNeill Hill	2.75 230	PN	Pn	07 52 08.9	-0.4
MCHZ	McNeill Hill	2.75 230	PN	Pn	07 52 08.9	-0.4
MCHZ			AML	AML	07 52 50.5	
MCHZ			AML	AML	07 52 53.6	
KMRZ	Kaimai	2.77 266	PN	Pn	07 52 09.8	0.0
HATZ	Hinemaiaia	2.88 245	PN	Pn	07 52 10.8	-0.3
HATZ	Hinemaiaia	2.88 245	PN	Pn	07 52 12.2	+0.1
HATZ			AML	AML	07 52 49.1	
HATZ			AML	AML	07 53 11.2	
KAHZ	Kahuranaki	2.88 223	PN	Pn	07 52 09.8	-1.3
KAHZ	Kahuranaki	2.88 223	PN	Pn	07 52 09.8	-1.3
KAHZ			AML	AML	07 52 52.6	
KAHZ			AML	AML	07 52 58.1	
KWHZ	Kaweka Forest	2.91 233	PN	Pn	07 52 10.7	-0.8
KWHZ			AML	AML	07 52 55.7	
KWHZ			AML	AML	07 52 59.6	
KUTZ	Kaahu Road	2.95 254	PN	Pn	07 52 12.2	+0.1
KUTZ	Kaahu Road	2.95 254	PN	Pn	07 52 12.2	+0.1
PXZ	Pawanui	3.06 220	PN	Pn	07 52 11.5	-2.0
PXZ	Pawanui	3.06 220	PN	Pn	07 52 11.5	-2.0
PXZ			AML	AML	07 52 57.5	
PXZ			AML	AML	07 52 57.5	
PXZ			AML	AML	07 52 58.5	
PXZ			AML	AML	07 52 58.5	
KRHZ	Kereru	3.07 230	PN	Pn	07 52 12.2	-1.6
KRHZ			AML	AML	07 52 55.7	
KRHZ			AML	AML	07 52 57.8	
WATZ	Wairara	3.08 250	PN	Pn	07 52 14.2	+0.4
WATZ	Wairara	3.08 250	PN	Pn	07 52 14.2	+0.4
WATZ			AML	AML	07 53 23.6	
RITZ	Rihia Road	3.08 245	PN	Pn	07 52 14.1	+0.2
RITZ	Rihia Road	3.08 245	PN	Pn	07 52 14.0	+0.2
RITZ			AML	AML	07 53 05.5	
RITZ			AML	AML	07 53 08.8	
RATZ	Rangitukua	3.10 247	ePN	Pn	07 52 14.8	+0.7
RATZ	Rangitukua	3.10 247	ePN	Pn	07 52 14.8	+0.7
RATZ			AML	AML	07 53 01.8	
RATZ			AML	AML	07 53 14.0	
TOZ	Tahuroa Road	3.12 269	PN	Pn	07 52 14.1	-0.2
TOZ	Tahuroa Road	3.12 269	PN	Pn	07 52 14.1	-0.2
TOZ			AML	AML	07 53 03.6	
TOZ			AML	AML	07 53 03.6	
KUZ	Kuaotunu	3.12 287	PN	Pn	07 52 12.7	-1.7
KUZ	Kuaotunu	3.12 287	PN	Pn	07 52 12.7	-1.7
KUZ			AML	AML	07 52 53.9	
KUZ			AML	AML	07 52 56.8	
TLZ	Tolley Road	3.14 258	ePN	Pn	07 52 14.1	-0.5
TLZ	Tolley Road	3.14 258	ePN	Pn	07 52 14.1	-0.5
TLZ			AML	AML	07 52 40.3	
TLZ			AML	AML	07 53 04.3	
BHZ	Black Hill Sta	3.18 235	AML	AML	07 52 57.5	
BHZ			AML	AML	07 52 58.2	
KATZ	Kakarama	3.19 246	PN	Pn	07 52 15.8	+0.3
KATZ	Kakarama	3.19 246	PN	Pn	07 52 15.8	+0.3
KATZ			AML	AML	07 53 04.4	
KATZ			AML	AML	07 53 09.2	
KRVZ	Karewarewa	3.28 244	PN	Pn	07 52 16.3	-0.4
KRVZ	Karewarewa	3.28 244	PN	Pn	07 52 16.3	-0.4
KRVZ			AML	AML	07 53 09.1	
KRVZ			AML	AML	07 53 10.4	
OTVZ	Oturere	3.29 243	PN	Pn	07 52 16.6	-0.3
OTVZ	Oturere	3.29 243	PN	Pn	07 52 16.6	-0.3
OTVZ			AML	AML	07 53 06.1	
OTVZ			AML	AML	07 53 08.2	
WPVZ	Waipukurau	3.31 224	PN	Pn	07 52 15.0	-1.9
WPVZ	Waipukurau	3.31 224	PN	Pn	07 52 15.0	-1.9
WPVZ			AML	AML	07 53 04.6	
WPVZ			AML	AML	07 53 12.1	
WTVZ	West Tongariro	3.33 244	PN	Pn	07 52 17.6	+0.3
WTVZ	West Tongariro	3.33 244	PN	Pn	07 52 17.6	+0.3
MOVZ	Moawhango	3.34 239	PN	Pn	07 52 16.6	-0.9
MOVZ	Moawhango	3.34 239	PN	Pn	07 52 16.6	-0.9
MOVZ			AML	AML	07 53 08.5	
MOVZ			AML	AML	07 53 09.3	
NGVZ	Ngauruhoe	3.34 243	PN	Pn	07 52 16.9	-0.4
NGVZ	Ngauruhoe	3.34 243	PN	Pn	07 52 16.9	-0.4
NGVZ			AML	AML	07 53 03.5	
NGVZ			AML	AML	07 53 04.4	
PNHZ	Pukenui	3.34 228	PN	Pn	07 52 15.8	-1.7
PNHZ	Pukenui	3.34 228	PN	Pn	07 52 15.8	-1.7
PNHZ			AML	AML	07 53 01.1	
PNHZ			AML	AML	07 53 06.0	
TUVZ	Tukino	3.34 241	PN	Pn	07 52 17.6	-0.1
TUVZ	Tukino	3.34 241	PN	Pn	07 52 17.6	-0.1
TUVZ			AML	AML	07 53 06.4	
TUVZ			AML	AML	07 53 06.4	
PRHZ	Porangahau	3.35 220	PN	Pn	07 52 15.2	-2.4
PRHZ	Porangahau	3.35 220	PN	Pn	07 52 15.2	-2.4
PRHZ			AML	AML	07 53 03.7	
PRHZ			AML	AML	07 53 06.2	
WHVZ	Whangaehu Hut	3.40 241	PN	Pn	07 52 18.1	-0.3
WHVZ	Whangaehu Hut	3.40 241	PN	Pn	07 52 17.6	-0.8

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WHVZ		AML	AML	07 53 10.5		
WHVZ		AML	AML	07 53 18.1		
FWVZ	Far West T-bar	3.41 242	PN	Pn	07 52 18.4	-0.2
FWVZ	Far West T-bar	3.41 242	PN	Pn	07 52 18.0	-0.5
FWVZ		AML	AML	07 53 10.1		
FWVZ		AML	AML	07 53 12.3		
WNVZ	Wahianoa	3.41 241	PN	Pn	07 52 18.1	-0.4
WNVZ	Wahianoa	3.41 241	PN	Pn	07 52 17.2	-1.3
DRZ	Dome Shelter	3.41 242	PN	Pn	07 52 19.7	+1.0
DRZ	Dome Shelter	3.41 242	PN	Pn	07 52 19.7	+1.0
DRZ		AML	AML	07 53 07.5		
DRZ		AML	AML	07 53 12.3		
BHWZ	Baring Head	3.42 246	PN	Pn	07 52 18.7	+0.2
BHWZ	Baring Head	3.42 246	AML	AML	07 53 10.2	
BHWZ		AML	AML	07 53 26.3		
TRVZ	Turoa	3.43 241	PN	Pn	07 52 18.6	-0.3
TRVZ	Turoa	3.43 241	PN	Pn	07 52 18.6	-0.3
TRVZ		AML	AML	07 53 09.8		
TRVZ		AML	AML	07 53 25.6		
MKAZ	Moumakai	3.46 279	PN	Pn	07 52 18.4	-0.6
MKAZ	Moumakai	3.46 279	PN	Pn	07 52 18.4	-0.6
MKAZ		AML	AML	07 52 24.2		
MKAZ		AML	AML	07 52 25.3		
GRZ	Great Barrier	3.50 294	PN	Pn	07 52 18.6	-1.0
GRZ		AML	AML	07 52 28.7		
GRZ		AML	AML	07 52 30.3		
MTVZ	Mangateitei	3.52 241	PN	Pn	07 52 19.2	-0.8
MTVZ	Mangateitei	3.52 241	AML	AML	07 53 10.6	
MTVZ		AML	AML	07 53 11.9		
WIAZ	Waiheke Island	3.55 284	PN	Pn	07 52 19.9	-0.5
WIAZ		AML	AML	07 52 28.9		
WIAZ		AML	AML	07 53 18.3		
PKVZ	Pokaka	3.57 243	PN	Pn	07 52 20.8	+0.2
PKVZ	Pokaka	3.57 243	PN	Pn	07 52 20.8	+0.2
PKVZ		AML	AML	07 53 14.4	+0.1	
ANWZ	Angora Road	3.58 219	PN	Pn	07 52 18.0	-2.7
ANWZ		AML	AML	07 53 10.5		
ANWZ		AML	AML	07 53 12.6		
ANWZ		AML	AML	07 52 18.8	-1.9	
TSVZ	Takapari Road	3.58 228	PN	Pn	07 52 18.6	-2.6
TSVZ	Takapari Road	3.58 228	PN	Pn	07 52 18.6	-2.6
TSVZ		AML	AML	07 53 08.2		
TSVZ		AML	AML	07 53 16.8		
DVHZ	Dannevirke	3.62 224	PN	Pn	07 52 19.1	-2.2
DVHZ	Dannevirke	3.62 224	PN	Pn	07 52 18.9	-2.4
DVHZ		AML	AML	07 53 07.7		
DVHZ		AML	AML	07 53 12.3		
ETAZ	East Tamaki Re	3.67 281	PN	Pn	07 52 21.6	-0.3
ETAZ	East Tamaki Re	3.67 281	PN	Pn	07 52 21.3	

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like MGCD Mangrove Creek, MILA Mia, ARMA Armida, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like PMG Port Moresby, SBA Scott Base, VWA Vanda, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like NWAO Narrogin (SRO), KLBRR Kellerberrin, FITZ Fitzroy Crossi, etc.

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SNA	Sanae	70.90	179	eP	P	08 02 41.9	+0.8
SNA	comp=Z,286nm,1.4s						
SNA	comp=Z,2um,19.0s			MLR	MLR		
SNA	Sanae	70.90	179	eP	P	08 02 41.9	+0.9
SNA	comp=Z,286nm,1.4s						
SNA	comp=Z,2um,19.0s			LR	LR		
USHA	Ushuaia	71.09	145	P	P	08 02 43.1	+0.7
USHA	comp=Z,100nm,0.9s,baz=196,slow=1.2,SNR=7.4						
VNA3	Neumayer Olymp	71.14	177	P	P	08 02 42.8	+0.3
NVL	N'azareyevskaya	71.45	184	eP	P	08 02 44.6	+0.4
NVL	comp=Z,286nm,1.4s			eSS	SS	08 12 00.7	+0.5
NVL	comp=Z,286nm,1.4s			eSS	SS	08 16 36.2	+2.2
VNA2	Neumayer-Watz	71.55	178	P	P	08 02 45.8	+0.8
VNA2	baz=174,slow=7.2						
VNA1	Neumayer-Stat	71.79	177	P	P	08 02 47.4	+1.1
SDKM	Sandakan	72.05	292	uP	P	08 02 47.2	-1.6
KKM	Kota Kinabalu	73.05	292	eP	P	08 02 54.0	-0.7
KKM	comp=Z,274nm,1.9s			LR	LR		
PAF	Port-aux-Franc	73.13	220	PFAKE	LR	08 03 10.0	+15
KDM	Kudat	73.18	293	uP	P	08 02 56.4	+1.0
SBUM	Sibu	73.68	286	eP	P	08 02 57.8	-0.6
SBUM	comp=Z,65nm,1.6s			LR	LR		
SBUM	comp=Z,4um,20.0s						
SBUM	Sibu	73.68	286	uP	P	08 02 57.8	-0.6
CHRN	Cochrane	73.78	138	eP	P	08 03 00.3	+1.8
CHRN	comp=Z,89nm,1.9s						
KSM	Kuching	74.52	284	eP	P	08 03 02.5	-0.8
KSM	comp=Z,38nm,1.2s			LR	LR		
MNAI	Manna	76.65	275	PFAKE	LR	08 03 30.0	+14
MNAI	comp=Z,4um,22.0s			LR	LR		
COCO	West Island	76.84	265	PFAKE	LR	08 03 30.0	+13
COCO	comp=Z,3um,20.0s			LR	LR		
EFI	East Falkland	77.80	148	eP	P	08 03 21.1	-0.3
EFI	comp=Z,207nm,1.4s						
EFI	East Falkland	77.80	148	PFAKE	LR	08 03 30.0	+8.6
EFI	comp=Z,2um,22.0s						
PLCA	Paso Flores	79.06	133	P	P	08 03 29.4	+0.7
PLCA	comp=Z,97nm,1.2s,baz=252,slow=5.9,SNR=49						
PLCA	Paso Flores	79.06	133	eP	P	08 03 29.9	+1.2
PLCA	comp=Z,1um,21.9s,baz=258,slow=29						
PLCA	Paso Flores	79.06	133	eP	P	08 03 29.9	+1.2
PLCA	comp=Z,366nm,1.4s						
MYKOM	Kota Tinggi	79.72	280	PFAKE	LR	08 03 40.0	+7.5
MYKOM	comp=Z,7um,19.0s			LR	LR		
BKNI	Bangkinang	81.02	277	PFAKE	LR	08 03 50.0	+10
BKNI	comp=Z,3um,18.0s			LR	LR		
TWG	Pinlang	81.44	307	PFAKE	LR	08 03 50.0	+8.6
TWG	comp=Z,5um,20.0s			LR	LR		
YOJ	Yonaguni jima	81.44	310	PFAKE	LR	08 03 50.0	+8.6
YOJ	comp=Z,3um,19.0s			LR	LR		
YULB	Yu-i	81.71	308	eP	P	08 03 40.2	-2.7
YULB	comp=Z,32nm,1.0s			LR	LR		
YULB	comp=Z,2um,21.0s			LR	LR		
GO05	Hualaeo	81.96	128	eP	P	08 03 44.7	+0.4
GO05	comp=Z,458nm,1.4s			LR	LR		
GO05	comp=Z,3um,21.0s			LR	LR		
TPUB	Ta-pu	82.07	307	eP	P	08 03 43.2	-1.6
TPUB	comp=Z,49nm,1.0s			LR	LR		
TPUB	comp=Z,2um,21.0s			LR	LR		
NACB	Ninganchiao	82.10	309	PFAKE	LR	08 04 00.0	+15
NACB	comp=Z,2um,21.0s			LR	LR		
SSLB	Suangleung	82.22	308	eP	P	08 03 43.5	-2.1
SSLB	comp=Z,55nm,0.9s			LR	LR		
SSLB	comp=Z,3um,22.0s			LR	LR		
FRIM	Kepong	82.36	280	uP	P	08 03 46.8	+0.2
KTGM	Kuala Trengganu	82.48	283	uP	P	08 03 47.0	-0.2
YHNB	Yeheng	82.60	309	eP	P	08 03 46.0	-1.6
YHNB	comp=Z,214nm,2.0s			LR	LR		
INU	Inuyama	82.66	326	PFAKE	LR	08 04 00.0	+12
INU	comp=Z,2um,21.0s			LR	LR		
TATO	Taipei	82.75	309	PFAKE	LR	08 04 00.0	+12
TATO	comp=Z,1um,20.0s			LR	LR		
MJAR	Matsushiro Arr	83.16	328	P	P	08 03 48.5	-1.7
MJAR	comp=Z,2.6nm,0.8s,baz=159,slow=5.0,SNR=7.0			LR	LR	08 38 06.7	
MJAR	comp=Z,553nm,20.1s,baz=170,slow=34						
MAJO	Matsushiro	83.16	328	eP	P	08 03 48.8	-1.4
MAJO	comp=Z,15nm,0.9s						
MAJO	comp=Z,1um,18.0s			MLR	MLR		
MAJO	comp=Z,1um,19.0s			LR	LR		
MAJO	Matsushiro	83.16	328	eP	P	08 03 48.8	-1.4
MAJO	comp=Z,15nm,0.9s						
MAJO	comp=Z,1um,19.0s			LR	LR		
MAT	Matsushiro	83.16	328	P	P	08 03 48.5	-1.7
MAT	comp=Z,1um,19.0s			S	S	08 14 04.2	-3.8
MJB9	Matsu-Tunnel	83.16	328	eP	P	08 03 48.8	-1.4
MJB9	comp=Z,16nm,1.0s			LR	LR		
HOPE	Hope Point	83.28	160	eP	P	08 03 53.0	+2.3
HOPE	comp=Z,412nm,1.6s			LR	LR		
HOPE	comp=Z,2um,20.0s			LR	LR		
IPM	Ipo	83.59	281	eP	P	08 03 51.6	-1.4
IPM	comp=Z,28nm,1.2s			LR	LR		
IPM	comp=Z,6um,18.0s						
JNU	Nakatsu	83.73	321	P	P	08 03 51.8	-1.4
JNU	comp=Z,10nm,0.8s,baz=85,slow=5.9,SNR=4.3						
ROCI	Ei Roble	83.86	127	eP	P	08 03 55.7	+1.2
ROCI	comp=Z,69nm,1.0s						
PSI	Prapat	84.20	278	eP	P	08 03 54.5	-1.8
PSI	comp=Z,35nm,1.2s						
PSI	Prapat	84.20	278	eP	P	08 03 54.5	-1.8
PSI	comp=Z,34nm,1.2s			LR	LR		
PSI	comp=Z,4um,20.0s			LR	LR		
GSI	Gunungsitoli	84.35	276	PFAKE	LR	08 04 10.0	+13
GSI	comp=Z,2um,22.0s			LR	LR		
KULM	Kulm	84.39	281	eP	P	08 03 56.4	-0.7
KULM	comp=Z,53nm,1.5s			LR	LR		
KULM	Kulm	84.39	281	uP	P	08 03 56.6	-0.4
QZH	Quanzhou	84.53	307	uP	P	08 03 57.1	-0.3
QZH	comp=Z,22nm,1.6s			S	S	08 14 20.0	-2.2
QZH	comp=Z,3um,13.7s						
QZH	comp=Z,6um,33.7s			LR	LR		
TRQA	Tornquist	85.73	136	eP	P	08 04 04.5	+1.0
TRQA	comp=Z,156nm,1.5s			LR	LR		
QIZ	Qiongzong	86.32	297	P	P	08 04 07.3	+0.8
QIZ	comp=Z,129nm,1.5s			pp	pp	08 04 17.3	-2.3
QIZ	comp=Z,29nm,1.0s			pp	pp	08 07 32.4	+4.3
QIZ	comp=Z,22nm,1.6s						
QIZ	comp=Z,720nm,10.8s						
QIZ	comp=Z,880nm,16.3s			LR	LR		
QIZ	comp=Z,750nm,16.8s			LR	LR		

QIZ	comp=Z,1um,27.4s			LR	LR		
GZH	Guangzhou	86.65	303	P	P	08 04 08.8	+0.8
GZH	comp=Z,2um,10.1s			S	S	08 14 35.3	-7.8
GZH	comp=Z,2um,10.1s			pmx	pmx		
LCO	Las Campanas	86.68	124	eP	P	08 04 09.7	+1.1
LCO	comp=Z,3um,21.0s			LR	LR		
TRTT	Trang	86.71	282	P	P	08 04 08.0	-0.6
TRTT	comp=Z,37nm,1.2s,comp=Z,1um						
YUK	Yuzh-Kuril'sk	86.87	336	eP	P	08 03 59.7	-8.9
YUK	comp=Z,859nm,2.3s			pmx	pmx		
LHMI	Lhok Sumawe	87.24	279	PFAKE	LR	08 04 20.0	+8.8
LHMI	comp=Z,4um,19.0s			LR	LR		
KUR	Kuril'sk	87.34	338	eP	P	08 04 10.9	+0.1
KUR	comp=Z,2um,17.0s			eS	S	08 14 41.3	-7.5
KUR	comp=Z,2um,17.0s			MLR	MLR		
SSE	Sheshan	87.43	313	eP	P	08 04 13.4	+1.8
SSE	comp=Z,2um,16.0s			pp	pp	08 04 20.9	-0.4
SSE	comp=Z,2um,16.0s			S	S	08 14 49.1	-1.2
SSE	comp=Z,2um,16.0s			pmx	pmx	08 15 02.4	-0.1
SSE	comp=N,26nm,0.8s						
SSE	comp=N,270nm,4.0s			LR	LR		
SSE	comp=N,830nm,17.4s			LR	LR		
SSE	comp=N,430nm,17.4s			LR	LR		
PKDT	Phuket	87.80	282	P	P	08 04 14.3	+0.5
PKDT	comp=N,1um,22.8s						
TJN	Taejon	88.07	320	iP	P	08 04 14.5	0.0
SURT	Suratani	88.10	263	P	P	08 04 15.2	0.0
SURT	comp=N,11nm,1.1s,comp=N,266nm						
KSR	Korea Array	88.63	321	P	P	08 04 17.4	+0.2
KSR	comp=N,11nm,0.7s,baz=142,slow=5.8,SNR=30						
KSR	comp=N,430nm,18.3s,baz=155,slow=34			LR	LR	08 42 19.5	
KS15	KSAR	88.64	321	eP	P	08 04 17.6	+0.4
KSAR	Wonju Array Si	88.64	321	eP	P	08 04 17.4	+0.2
KSAR	Wonju Array Be	88.64	321	eP	P	08 04 17.4	+0.2
KS01	Wonju Array Si	88.64	321	eP	P	08 04 17.3	-0.1
SRAK	Srakapek	88.77	289	P	P	08 04 16.3	-2.0
SRAK	comp=N,44nm,1.0s,comp=N,1719nm						
PANO	Nakornpanom	88.85	293	P	P	08 04 19.2	+0.5
PANO	comp=N,43nm,1.6s						
SKNT	Sakolnakhorn	89.21	292	P	P	08 04 20.6	+0.2
SKNT	comp=N,46nm,0.7s						
ADK	Adak	89.30	2	PFAKE	LR	08 04 30.0	+10
ADK	comp=Z,2um,20.0s			LR	LR		
INCN	Inchon	89.30	321	eP	P	08 04 21.0	+0.6
INCN	comp=Z,294nm,1.9s			LR			



1005

Table with columns: Call Sign, Name, Frequency, Power, Mode, Status, Date, Time, and other details. Includes entries like G32A Webster, INK Inuvik, R41A Rosebud, etc.

2011 NOV

Table with columns: Call Sign, Name, Frequency, Power, Mode, Status, Date, Time, and other details. Includes entries like KURK Kurchatov, KURK KURK, KURK KURK, etc.

18d 7h

Table with columns: Call Sign, Name, Frequency, Power, Mode, Status, Date, Time, and other details. Includes entries like KTK1 Kautokeino, AKH Akhaikakaki, AKH Akhaikakaki, etc.



Table with columns for station name, frequency, mode, and time. Includes stations like ANTO, ANKARA, BR231, MCGM, MINSK, ZARASAI, etc.

Table with columns for station name, frequency, mode, and time. Includes stations like VYHNE, MORAVSKY BEROU, ESK, KRILKY, DOBRUSKA-POLON, etc.

Table with columns for station name, frequency, mode, and time. Includes stations like KHC, KASPERSKA HORY, ARSA, GERESS ARRAY S, etc.



18d 8h

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

WEL 18 08:13:41.8±0.7, 37.54Sx179.83E, h33km, ML3.6/10, 2C-3D, Error ellipse: s-maj=6.9km s-min=6.0km az=0.0, Off east coast of North Island

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

IDC 18 08:14:49.5±1.8, 47.3S-151.59E, h0km, mb3.7/1, mb1 4.0/5, mb1mx3.6/28, mbtmp3.8/5, ML1.8/1, MS4.2/1, Ms1 4.2/1, ms1mx3.3/35, Error ellipse: s-maj=107.3km s-min=21.4km az=128.0, New Britain region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PMG, WRA, ASAR, FITZ, RAO, ILAR, TORD, etc.

IDC 18 08:20:59.1±1.8, 37.20Sx179.58E, h0km, mb4.1/4, mb1 4.3/5, mb1mx4.0/20, mbtmp4.2/5, ML4.3/1, Error ellipse: s-maj=51.7km s-min=36.4km az=171.0, NEIC 18 08:21:01.7±0.0, 37.54Sx179.88E, h33km, mb4.9/9, ML4.4(WEL), After WEL

WEL 18 08:21:02.7±0.3, 37.52Sx179.73E, h33km, ML4.4/74, Error ellipse: s-maj=3.1km s-min=2.5km az=0.0, ISC 18 08:21:01.4±1.7, 37.76Sx179.63E, h0.06, h16km, gkkm, n198, r1948/219, mb4.4/14, 7C-11D, Off east coast of North Island

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

2011 NOV

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAGZ, MHGZ, MWZ, etc.

1008

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



18d 8h

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Urewera, Shannon Statio, and various regional stations.

2011 NOV

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Wanganui, Tintock, Riverhead Bore, and various regional stations.

1010

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like WAKE ISLAND Hy 34.10 209 T, WAKE ISLAND Hy 34.11 209 T, etc.

WEL 18 08:31:12.8.0.5, 37.435x179.90E, h33km, ML3.5/6, Error ellipse: s-maj=5.4km s-min=4.0km az=0.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Includes stations like Waioomatatini S, Matakaoa Point, Puketiti, etc.

NEIC 18 08:32:45.9.0.0, 37.465x179.98E, h33km, ML4.4(WEL), After WEL

WEL 18 08:32:46.9.0.5, 37.495x179.89E, h33km, ML4.4/49, 8C-3D, Error ellipse: s-maj=5.4km s-min=4.1km az=90.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Includes stations like Waioomatatini S, Matakaoa Point, Puketiti, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CKZH, CKXZ, BKZ, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KSH, MAKZ, ZAAO, etc.

ISJCJB 18 08:35:22.0, 4.94S, 0.03x130.78E, 0.04, h61km, m4.6/30, Error ellipse: s-maj=5.4km s-min=3.8km az=156.3

ISK 18 08:38:22.4, 4.7, 36.92N, 71.04E, h0km, mb3.9, mpv3.5, Error ellipse: s-maj=38.2km s-min=16.2km az=174.0

JMA 18 08:40:16.8, 0.2, 24.33N, 121.76E, h64km, 3km, M2.8, Error ellipse: s-maj=4.4km s-min=2.5km az=141.5

Table with columns: Call sign, Station Name, Frequency, Mode, Power, and other technical details for various stations.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, and other technical details for various stations.

Table with columns: Call sign, Station Name, Frequency, Mode, Power, and other technical details for various stations.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, and other technical details for various stations.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, and other technical details for various stations.

Table with columns: Call sign, Station Name, Frequency, Mode, Power, and other technical details for various stations.







Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Mahia Peninsula, Urewera, Shannon Statio, etc.

DJA 18 09:43:54.3±1.8, 11N, 9°12'22"E, h28km±19km, M3.6/3, ML3.6/3, Minahasa Peninsula, Sulawesi

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

ATA 18 09:52:20.3±4.5, 38°64'N, 43°23'E, h35km±22km, ML3.7, MW3.5

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

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

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

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

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

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

CSEM 18 09:59:00.0±0.4, 38°91'N, 41°38'E, h2km, ML2.0, Error ellipse: s-maj=10.0km s-min=4.5km az=169.0

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

DDA 18 10:10:06.5, 38°95'N, 43°53'E, h6km, ML2.5, Error ellipse: s-maj=6.2km s-min=6.1km az=123.0

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

WEL 18 10:15:22.6±0.5, 37°51'S, 179°17'E, h33km, ML3.5/13, Error ellipse: s-maj=4.9km s-min=4.7km az=0.0, Off east coast of North Island

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

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

NEIC 18 10:16:02.1±0.0, 37°53'S, 179°99'E, h14km, mb4.4/1, ML4.6(WEL), After WEL

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

Code Station Name Azimuth Phase ID Time Res

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

DDA 18 10:10:06.5, 38°95'N, 43°53'E, h6km, ML2.5, Error ellipse: s-maj=6.2km s-min=6.1km az=123.0

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

WEL 18 10:15:22.6±0.5, 37°51'S, 179°17'E, h33km, ML3.5/13, Error ellipse: s-maj=4.9km s-min=4.7km az=0.0, Off east coast of North Island

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

18d 10h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MCHZ Kahuranaki, Kaimai, Kaweka Forest, Kaahu Road, etc.

2011 NOV

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Wellington, Tory Channel, Omahuta, Blackbirch Sta, Nelson, etc.

1016

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BITLIS\_Adilcev, ERCSIS-VAN, Van, etc.







18d 11h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WAZ Wanganui, TIWZ Tintock, MRZ Mangatoinaka R, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WMGZ Waiomatatini S, PUK Puketiti, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I31KZ AKTYUBINSK INF, I43RU DUBNA INFRASO, etc.

2011 NOV

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMIG Matias Romero, TUIG Tuzandepelt, etc.

1020

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

ISCJB 18:11:56:40.2:0.2:17:20N:0:03:94:37W:0:02:1156km,2km, mb4.3/39, Error ellipse: s-maj=5.1km s-min=3.4km

1021

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like KSU1, CBK5, Q43A, etc.

2011 NOV

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like I40A, I33A, I41A, etc.

18d 11h

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











Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Matakaoa Point, Puketiti, Pakihiroa, Carnagh Statio, etc.

ISCJB 18 13:51:00.4-0.5, 40.90N-0.03-38.11E-0.04, h0km, Error ellipse: s-maj=5.1km s-min=3.8km az=164.8

CSEM 18 13:51:00.5-0.3, 40.89N-3.3E, h1km, MLD2.7, Suspected Mining explosion.

ISC 18 13:51:00.7-0.8, 40.84N-0.03-38.14E-0.03, h0km, n35, o099/45, Turkey

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Kelkit, Trabzon, KVT, etc.

ISCJB 18 13:51:53.7-0.5, 50.09N-0.03-18.38E-0.03, h0km, Error ellipse: s-maj=4.6km s-min=2.6km az=11.1

ISC 18 13:51:55.1-0.8, 50.08N-0.03-18.41E-0.02, h0km, n36, o086/53, Poland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RAC, OKC, OJC, etc.

ISC 18 13:51:55.3-0.6, 39.60N-0.04-143.30E-0.05, h34km, 4km, m4, 6/8, 1/1, Error ellipse: s-maj=8.4km s-min=3.1km az=8.0

ISC 18 13:51:55.5-0.2, 50.05N-18.46E, h0km, MLD2.1/3, Error ellipse: s-maj=2.0km s-min=1.1km az=160.0

ISC 18 13:51:56.4, 50.07N-18.34E, h0km, MLD2.5/3, Error ellipse: s-maj=15.9km s-min=9.7km az=14.0

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

NIED 18 13:54:00.39'60N-143'40E, h23km, Mw4.7 Best double couple: M1, 12000-1016 NP1, 180.00000, 822.00000, 1.67.00000

IDC 18 13:54:53.6-0.6, 39.58N-143.20E, h0km, mb4.3/24, mb1.4/26, mb1mx4.4/39, mbmp4.4/26, MLJ4.2/2, MS3.9/18, m-1 3.9/18, ms1mx3.7/29, Error ellipse: s-maj=17.0km s-min=13.2km az=114.0

JMA 18 13:54:54.7-0.2, 39.60N-143.40E, h25km, 4km, M4.7 JMA Felt J1

ISCJB 18 13:54:56.7-0.6, 39.60N-0.04-143.30E-0.05, h34km, 4km, mb4.6/8, MS4.2/36, Error ellipse: s-maj=8.1km s-min=4.9km az=39.9

MOS 18 13:54:57.3-1.1, 39.66N-143.25E, h38km, mb4.9/43, MS4.0/16, Error ellipse: s-maj=8.4km s-min=5.5km az=103.1

NEIC 18 13:54:58.9-0.4, 39.67N-143.15E, h35km, mb4.8/14, Error ellipse: s-maj=10.3km s-min=5.3km az=120.0

NEIC Recorded (J JMA) in Aomori and Iwate. BUJ 18 13:55:01.5, 39.62N-142.46E, h38km, mb4.7/62, MB4.9/47, Ms4.6/54, Ms7.4/4/50

ISC 18 13:54:59.3-0.6, 39.65N-0.05-143.23E-0.04, h40km, 5km, n216, e228/221, mb4.7/80, MS4.2/36, 15C-9D, Off east coast of Honshu

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

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

ISC 18 13:51:55.5-0.2, 50.05N-18.46E, h0km, MLD2.1/3, Error ellipse: s-maj=2.0km s-min=1.1km az=160.0

ISC 18 13:51:56.4, 50.07N-18.34E, h0km, MLD2.5/3, Error ellipse: s-maj=15.9km s-min=9.7km az=14.0

ISC 18 13:51:55.1-0.8, 50.08N-0.03-18.41E-0.02, h0km, n36, o086/53, Poland

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

ISC 18 13:51:55.3-0.6, 39.60N-0.04-143.30E-0.05, h34km, 4km, m4, 6/8, 1/1, Error ellipse: s-maj=8.4km s-min=3.1km az=8.0

ISC 18 13:51:55.5-0.2, 50.05N-18.46E, h0km, MLD2.1/3, Error ellipse: s-maj=2.0km s-min=1.1km az=160.0

ISC 18 13:51:56.4, 50.07N-18.34E, h0km, MLD2.5/3, Error ellipse: s-maj=15.9km s-min=9.7km az=14.0

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

NIED 18 13:54:00.39'60N-143'40E, h23km, Mw4.7 Best double couple: M1, 12000-1016 NP1, 180.00000, 822.00000, 1.67.00000

IDC 18 13:54:53.6-0.6, 39.58N-143.20E, h0km, mb4.3/24, mb1.4/26, mb1mx4.4/39, mbmp4.4/26, MLJ4.2/2, MS3.9/18, m-1 3.9/18, ms1mx3.7/29, Error ellipse: s-maj=17.0km s-min=13.2km az=114.0

JMA 18 13:54:54.7-0.2, 39.60N-143.40E, h25km, 4km, M4.7 JMA Felt J1

ISCJB 18 13:54:56.7-0.6, 39.60N-0.04-143.30E-0.05, h34km, 4km, mb4.6/8, MS4.2/36, Error ellipse: s-maj=8.1km s-min=4.9km az=39.9

MOS 18 13:54:57.3-1.1, 39.66N-143.25E, h38km, mb4.9/43, MS4.0/16, Error ellipse: s-maj=8.4km s-min=5.5km az=103.1

NEIC 18 13:54:58.9-0.4, 39.67N-143.15E, h35km, mb4.8/14, Error ellipse: s-maj=10.3km s-min=5.3km az=120.0

NEIC Recorded (J JMA) in Aomori and Iwate. BUJ 18 13:55:01.5, 39.62N-142.46E, h38km, mb4.7/62, MB4.9/47, Ms4.6/54, Ms7.4/4/50

ISC 18 13:54:59.3-0.6, 39.65N-0.05-143.23E-0.04, h40km, 5km, n216, e228/221, mb4.7/80, MS4.2/36, 15C-9D, Off east coast of Honshu

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





Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like GEVA, ADCV, BASK, TUTA, AGRB, HAKT, etc.

NEIC 18 14:11:09.2±0.37, 325°179.77W, h27km, ML4.2(WEL), After WEL. WEL 18 14:11:14.2±0.37, 445°179.34E, h33km, ML4.0/28, 4C-5D, Error ellipse: s-maj=2.6km s-min=2.3km az=0.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like WMWZ, MXZ, PUK, PKGZ, TWGZ, CNGZ, HAZ, RUGZ, MKAR, etc.

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

CSEM 18 14:18:13.3, 35°75N-29°41E, h7km, ML2.6. ISK 18 14:18:13.3, 35°75N-29°41E, h7km, ML2.6. DDA 18 14:18:30.5, 36°76N-29°54E, h7km, ML2.3, Suspected Mining explosion.

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

WEL 18 14:19:36.2±0.4, 37425°179.32E, h33km, ML3.7/19, 4C-3D, Error ellipse: s-maj=3.8km s-min=3.6km az=90.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like WMWZ, MXZ, PUK, PKGZ, TWGZ, etc.

IDC 18 14:35:53.7±0.7, 6°10'N-126°62'E, h0km, mb4.1/11, mb1.4/2.1, mb1mx3.9/38, mbtmp4.1/11, MS2.3/1, Ms1.2/1, ms1mx2.2/28, Error ellipse: s-maj=41.0km s-min=14.1km az=71.0. DJA 18 14:36:03.6±1.8, 6°N-8°12'7E, s, h17km±23km, M4.8/7, mb4.9/7, Ms1.1/6, MLV5.0/6, Mw(MB)4.6/6, ISCJB 18 14:36:04.1±0.6, 6°00'N-0°03'126.45E±0.08, h94km±6km, mb3.9/12, Error ellipse: s-maj=13.2km s-min=5.0km az=177.6

NEIC 18 14:36:04.6±1.3, 5°96'N-126°40'E, h86km, 12km, mb4.4/2, Error ellipse: s-maj=22.7km s-min=9.3km az=83.0. MAN 18 14:36:04.5, 9°54'N-126°33'E, h106km, mb5.1, ML4.1, MS4.2, ISC 18 14:36:04.5±0.9, 5.92N-0.04E, h26.36E, h83km, gm, n48, t197/47, mb3.9/12, 3C-2D, Mindanao

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

NIED 18 14:41:00, 35.80N-141.00E, h11km, Mw3.9, Best double couple: M7, 67000x1014, NP1, 143.00000, 339.00000, lambda=111.00000, NP2, 350.00000, 854.00000, lambda=74.00000. IDC 18 14:41:16.8±0.8, 8.0, 35°63'N-140°89'E, h0km, mb3.6/7, mb1.7/1.0, mb1mx3.6/36, mbtmp3.6/10, ML3.4/3, MS2.5/2, Ms1.2/2, ms1mx2.4/30, Error ellipse: s-maj=21.7km s-min=17.3km az=76.0. ISCJB 18 14:41:17.0±0.8, 35°72'N-140°04'11.01E±0.07, h19km±4km, mb3.5/7, MS2.9/1, Error ellipse: s-maj=9.3km s-min=6.0km az=165.8. JMA 18 14:41:18.8±0.1, 35°71'N-140°93'E, h15km±1km, M4.0, JMA Felt II J1. ISC 18 14:41:18.9±0.9, 35°59'N-140°04'140°89'E±0.06, h15km±5km, n27, t1949/27, mb3.6/7, 3C-1D, Near east coast of eastern Honshu

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



18d 16h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like H1S3 WAKE ISLAND, H1S2 WAKE ISLAND, CMAR Chiang Mai Arr, ZALV Zalesovo Beam, MKAR Makanchi Array, ILAR Eielson Array, WRA Warramunga Arr, ASAR Alice Springs, PDAR Pinedale Array, LAPZ La Paz.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BUTP Butuan, SCPH Surigao, MSLP Maasin, MSLP Musuan, TBP Tagbilaran, LPU Lapu-Lapu, CTBH Cotabato-PC H, PAGZ Pagadian, CNP Catarman.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CMIG Matias Romero, TXAR Lajitas Array, TKL Tuckaleechee C, PDAR Pinedale Array, LAPZ La Paz, YKA Yellowknife Ar.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like WMGZ Waiomatatini S, WMGZ Matakaoa Point, WMGZ Puketiti, PKGZ Pakihiroa, PKGZ Parituro Road, WMGZ Matawai, PKGZ Pakihiroa, PKGZ Parituro Road, WMGZ Matawai, PKGZ Pakihiroa, PKGZ Parituro Road.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like WMGZ Waiomatatini S, WMGZ Matakaoa Point, WMGZ Puketiti, PKGZ Pakihiroa, PKGZ Parituro Road, WMGZ Matawai, PKGZ Pakihiroa, PKGZ Parituro Road, WMGZ Matawai, PKGZ Pakihiroa, PKGZ Parituro Road.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like LBM1 Labuha, SGSI Sangihe, KMSI Cibinong, KMSI Marisa, SANI Sanana, GSPH General Santos, NLAI Namlea, LUWI Luwuk.

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like LUWI Marisa, AAI Ambon, CTBH Cotabato-PC H, APSI Ampapa, BUKP Musuan, KDI Kendari, PCI Palu, ITSI Tana Toraja, SPSI Sidrap Palu, KAPI Kappang, SOEI Soe, FITZ Fitzroy Crossi, WRAB Tennant Creek, WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, MKAR Makanchi Array, SYO Syowa Base.

1.3nm,0.6s, IDC 18 15:20:49.7,1.6, 1.52N,124.56E, h0km, mb3.9/4, mb1 4.0/5, mb1mx3.5/43, mbtmpr3.9/5, ML3.4/1, MS3.2/2, Ms1 3.2/2, ms1mx2.5/42, Error ellipse: s-maj=131.3km s-min=22.0km az=65.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KMSI Cibinong, MRSI Marisa, LUWI Luwuk, LUWI Sangihe, APSI Ampapa, SANI Sanana, LBM1 Labuha, PCI Palu, TTSI Tana Toraja, CTBH Cotabato-PC H, SPSI Sidrap Palu, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, MKAR Makanchi Array, URZ Urewera.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, MKAR Makanchi Array, URZ Urewera.

NIED 18 15:29:00, 37.60N,141.90E, h11km, Mw3.5 Best double couple: M2:13000x1014 NP1:95160.00000, 827.00000, 1.75.000000, NP2:9323.00000, 864.000000, 1.98.000000

IDC 18 15:29:26.2, 2.3, 38.06N,142.52E, h0km, mb3.6/2, mb1 3.8/4, mb1mx3.4/48, mbtmpr3.7/4, ML3.7/2, Error ellipse: s-maj=14.9km s-min=31.3km az=83.0

ISJCJB 18 15:29:33.9, 1.5, 37.61N,142.00E, h10km, n17, h15km, 10km, mb3.5/2, Error ellipse: s-maj=11.7km s-min=8.6km az=11.7

JMA 18 15:29:35.6, 0.1, 37.63N,141.92E, h28km, 9km, M3.5, IDC 18 15:29:30.8, 1.9, 37.66N,104.142E, h10km, n11km, n16, e1996/24, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like JFO Ouri, JFK Kawauchi, JFM Marumori, JMM Iwakimizuishiy, JOU Okura, JMT Okata, JMT Ichinoseki, JYS Shirataka, JYS Kaneyama, JOM Ohasama, JFY Yanaizu, MJAR Matsushiro Arr, MJAR Matsushiro, MAT Matsushiro, JMT Hachioji jima 2, JHJ Hachioji jima 2, ZALV Zalesovo Beam, WRA Warramunga Arr.

IDC 18 15:33:13.8, 56.0, 17.71S,175.78E, h0km, mb4.0/3, mb1 4.2/3, mb1mx3.6/35, mbtmpr4.0/3, Error ellipse: s-maj=275.6km s-min=197.0km az=76.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs.

WEL 18 15:52:15.8, 0.3, 37.33S,179.90E, h33km, ML3.6/14, 1C-4D, Error ellipse: s-maj=4.5km s-min=3.2km az=0.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like WMGZ Waiomatatini S, WMGZ Matakaoa Point, WMGZ Puketiti, PKGZ Pakihiroa, PKGZ Parituro Road, WMGZ Matawai, PKGZ Pakihiroa, PKGZ Parituro Road, WMGZ Matawai, PKGZ Pakihiroa, PKGZ Parituro Road.

1030

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like TWGZ Carnagh Statio, RUGZ Raukumara Rang, TKGZ Te Karaka, MWZ Matawai, RMUW Rimuhau, RAGZ Rawiri, URZ Urewera, MHGZ Mahia Peninsula, SNGZ Shannon Statio, RTZ Ruatathuna, MTHZ Maungataniwha, ARHZ Aropoanui, NMHZ Naumai, BKZ Black Stump Fm, MCHZ McNeill Hill, KAHZ Kahuranaki, KWHZ Kaweka Forest, TSZ Takapari Road, BFZ Birch Farm, MRZ Mangatainoka R.

DJA 18 15:52:22.1, 2.1, 1'N,12.42'E, h17km, 14km, M3.8/5, ML3.5/25, Minahasa Peninsula, Sulawesi

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

WEL 18 16:05:06.8, 0.4, 37.50S,179.88E, h33km, ML3.2/10, 2C-2D, Error ellipse: s-maj=3.4km s-min=3.2km az=0.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like WMGZ Waiomatatini S, WMGZ Matakaoa Point, WMGZ Puketiti, PKGZ Pakihiroa, PKGZ Parituro Road, WMGZ Matawai, PKGZ Pakihiroa, PKGZ Parituro Road, WMGZ Matawai, PKGZ Pakihiroa, PKGZ Parituro Road.

IDC 18 16:17:36.5, 0.8, 14.45S,66.14E, h0km, mb4.1/9, mb1 4.2/3, mb1mx3.8/48, mbtmpr4.1/9, MS3.4/1, Ms1 3.4/7, ms1mx2.3/137, Error ellipse: s-maj=25.6km s-min=21.6km az=12.0

ISJCJB 18 16:17:37.4, 0.6, 14.4S,0.1, 66.2E, h20km, mb4.1/14, MS3.4/7, Error ellipse: s-maj=20.6km s-min=13.0km az=160.2

NEIC 18 16:17:37.9, 0.5, 14.43S,66.23E, h10km, mb4.4/3, Error ellipse: s-maj=11.8km s-min=11.8km az=162.0

ISC 18 16:17:39.6, 0.9, 14.5S,0.2, 66.3E, h20km, n34, e1982/17, mb4.2/14, MS3.4/7, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, H08N1 Diego Garcia H, H08N2 Diego Garcia H, ABPO Abomohimpanom, PALK Palkeke, MATP Matopo, LSZ Lusaka, BOSA Boshof, CMAR Chiang Mai Arr, CHTO Chiang Mai, H01W1 Cape Leeuwin H, H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, LSA Lhasa, MAW Mawson, ENH Enshu, MRZ Makanchi Array.

















18d 18h

Table with columns: CHTO, comp, 51.44, 96, eP, P, 17 48 46.6, -0.6, etc. Lists various station data for the 18d 18h period.

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Table with columns: BILL, comp, 65.75, 198, eP, P, 17 50 27.7, +0.9, etc. Lists various station data for the 2011 NOV period.

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Table with columns: WEL, 18 17:43:48.9, 0.5, 37.505, -179.89E, h33km, ML3.9/23, etc. Lists various station data for the 1038 period.



18d 19h

KLOF	AML	AML	19 51 27.9
PRYS Parys	0.47 176	eP	Pg 19 51 28.6 -0.2
PRYS Parys		eS	Ag 19 51 36.5 +1.4
PRYS Parys		AML	19 51 42.3
ERPM east rand prop	0.83 83	eP	Pg 19 51 35.0 -0.7
ERPM east rand prop		eS	Sg 19 51 46.2 -0.3
ERPM east rand prop		AML	19 51 52.3
SEK Senekal	1.88 172	eP	Pb 19 51 54.1 -0.4
SEK Senekal		eS	Sb 19 52 17.7 -0.6
SEK Senekal		AML	19 52 21.3
SWZ Schweizer	1.92 247	eP	Pb 19 51 56.5 +1.3
SWZ Schweizer		eS	Sb 19 52 19.9 +0.4
SWZ Schweizer		AML	19 52 23.8
LBTB Lobatse	2.12 312	eP	Pb 19 51 58.2 -0.2
LBTB Lobatse		eS	Sb 19 52 25.4 +0.4
LBTB Lobatse		AML	19 52 29.0
BOSA Boshof	2.83 220	eP	Pn 19 52 07.6 +2.2
BOSA Boshof		eS	Sn 19 52 40.8 +0.9
BOSA Boshof		AML	19 52 49.5
KSD Kokstad	4.47 156	eP	Pn 19 52 29.9 +1.8
KSD Kokstad		eS	Sn 19 53 20.8 +0.4
KSD Kokstad		AML	19 53 46.0
PKA Prieska	5.15 230	eP	Pn 19 52 38.5 +1.1
PKA Prieska		eS	Sn 19 53 36.4 -0.9
PKA Prieska		AML	19 54 09.6
UPI Upington	5.72 249	iP	Pn 19 52 47.2 +2.0
UPI Upington		iS	Sg 19 54 19.8 -3.7
UPI Upington		eP	Pn 19 52 47.2 +2.0
UPI Upington		eS	Sn 19 53 50.6 -0.6
UPI Upington		AML	19 54 24.6
GRM Grahamstown	6.88 186	eP	Pn 19 53 01.4 +0.4
GRM Grahamstown		eS	Sn 19 54 17.4 -2.1
GRM Grahamstown		AML	19 55 00.4
ARMS Ukamas	6.93 255	iP	Pn 19 53 04.5 +2.7
ARMS Ukamas		iS	Sb 19 54 40.0 +0.3
ARMS Ukamas		eP	Pn 19 53 17.9 +1.6
ARMS Ukamas		eS	Sn 19 54 43.7 -3.2
ARMS Ukamas		AML	19 54 51.5
KOMG Komaggas	9.30 247	iP	Pn 19 53 33.5 -0.8
KOMG Komaggas		iS	Sn 19 56 08.2 +4.9
KOMG Komaggas		eP	Pn 19 53 36.3 +2.0
KOMG Komaggas		eS	Sn 19 55 16.3 -3.0
KOMG Komaggas		AML	19 56 26.7
AUSN Aus	9.91 266	iP	Pn 19 53 43.2 +0.4
AUSN Aus		iS	Sn 19 56 26.9 +5.2

WEL 18 19:59:35.7±0.5, 37:335±179.86E, h33km, ML4.6/89, Mw4.5, Error ellipse: s-maj=4.5km s-min=4.4km az=90.0

WEL Felt in the Gisborne region, maximum reported intensity VII.4

ISCJB 18 19:59:38.3±0.8, 37:92S±0.03-179:68E±0.08, h78km±5km, mb4.5/17, Error ellipse: s-maj=10.3km s-min=5.7km az=173.1

NEIC 18 19:59:38.9±1.1, 37:83S±179:66E, h56km±7km, mb4.6/13, ML4.7(WEL), Error ellipse: s-maj=13.4km s-min=6.9km az=68.0

IDC 18 19:59:46.3±4.0, 37:68S±178:91E, h77km±29km, mb3.8/5, mb1 3.9/6, mb1mx3.7/32, mbmtmp4.1/6, MS3.7/6, Ms1 3.7/6, ms1mx3.3/24, Error ellipse: s-maj=42.3km s-min=30.8km az=44.0

ISC 18 19:59:43.6±1.3, 37:92S±0.04-179:28E±0.08, h80km±9km, m29.9±252/265, mb4.7/17, 9C-5D, Off east coast of North Island

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
				Op	h	m s ISC
WMGZ	Waiomatatini S	0.70 278	PN	Op	19 59 56.4	-2.8
WMGZ	Waiomatatini S		SN	Sn	20 00 12.4	+1.7
WMGZ	Waiomatatini S		PN	Pn	19 59 56.4	+2.8
WMGZ	Waiomatatini S		SN	Sn	20 00 14.5	
PUZ	Puketitii	0.82 259	PN	Op	19 59 59.1	-1.5
PUZ	Puketitii		PN	Pn	19 59 59.1	-1.5
PUZ	Puketitii		SN	Sn	20 00 16.9	+3.6
PUZ	Puketitii		SN	Sn	20 00 19.9	
MXZ	Matakaoa Point	0.85 295	eP	Pn	19 59 56.1	-4.8
MXZ	Matakaoa Point		eS	Sn	20 00 11.3	-2.6
MXZ	Matakaoa Point		PN	Pn	19 59 56.2	-4.7
MXZ	Matakaoa Point		SN	Sn	20 00 11.2	-2.6
MXZ	Matakaoa Point		AML	AML	20 00 13.5	
PKGZ	Pakihiroa	0.96 272	PN	Op	19 59 59.9	-2.2
PKGZ	Pakihiroa		PN	Pn	20 00 19.6	
PKGZ	Pakihiroa		AML	AML	20 00 20.5	
CNGZ	Carnagh Statio	1.02 236	PN	Op	20 00 03.0	+0.2
CNGZ	Carnagh Statio		PN	Pn	20 00 03.0	+0.2
CNGZ	Carnagh Statio		AML	AML	20 00 28.1	
CNGZ	Carnagh Statio		AML	AML	20 00 38.4	
TWGZ	Tauwhareparae	1.06 256	PN	Op	20 00 02.7	-0.6
TWGZ	Tauwhareparae		PN	Pn	20 00 02.7	-0.6
TWGZ	Tauwhareparae		AML	AML	20 00 29.1	
TWGZ	Tauwhareparae		AML	AML	20 00 30.3	
TWGZ	Tauwhareparae		PN	Pn	20 00 03.9	-1.7
HAZ	Te Kaha	1.20 278	PN	Op	20 00 25.5	
HAZ	Te Kaha		PN	Pn	20 00 25.5	
HAZ	Te Kaha		AML	AML	20 00 26.5	
HAZ	Te Kaha		AML	AML	20 00 30.4	
TKGZ	Te Karaka	1.24 245	PN	Op	20 00 05.6	0.0
TKGZ	Te Karaka		PN	Pn	20 00 05.6	0.0
TKGZ	Te Karaka		PN	Pn	20 00 30.0	
TKGZ	Te Karaka		AML	AML	20 00 30.5	
RUGZ	Raukumara Rang	1.27 268	PN	Op	20 00 04.7	-1.3
RUGZ	Raukumara Rang		PN	Pn	20 00 08.3	+0.3
RUGZ	Raukumara Rang		AML	AML	20 00 35.5	
RUGZ	Raukumara Rang		AML	AML	20 00 36.1	
RIGZ	Rimuhau	1.43 236	PN	Op	20 00 07.5	-0.7
RIGZ	Rimuhau		PN	Pn	20 00 34.1	+7.4
RIGZ	Rimuhau		PN	Pn	20 00 07.5	-0.7
RIGZ	Rimuhau		SN	Sn	20 00 32.4	+5.7
RIGZ	Rimuhau		AML	AML	20 00 34.1	+5.7
MWZ	Matawai	1.44 253	eP	Pn	20 00 09.0	+0.3
MWZ	Matawai		PN	Pn	20 00 09.0	+0.3
MWZ	Matawai		PN	Pn	20 00 39.1	
MWZ	Matawai		AML	AML	20 00 41.7	
MWZ	Matawai		PN	Pn	20 00 10.1	+0.1
MWZ	Matawai		PN	Pn	20 00 10.9	+0.1
MWZ	Matawai		AML	AML	20 00 43.3	
MWZ	Matawai		PN	Pn	20 00 10.9	+0.3
MWZ	Matawai		PN	Pn	20 00 10.9	+0.3
MWZ	Matawai		AML	AML	20 00 39.9	
MWZ	Matawai		AML	AML	20 00 42.3	
MWZ	Matawai		PN	Pn	20 00 11.1	0.0
MWZ	Matawai		AML	AML	20 00 41.1	
MWZ	Matawai		AML	AML	20 00 48.7	
MWZ	Matawai		PN	Pn	20 00 11.9	-0.2
URZ	Urewera	1.75 258	P	Op	20 00 36.9	+3.1
URZ	Urewera		SN	Sn	20 00 12.1	+0.1
URZ	Urewera		PN	Pn	20 00 36.9	+3.1
URZ	Urewera		eS	Sn	20 00 38.7	+5.0
URZ	Urewera		PN	Pn	20 00 12.2	+0.1
URZ	Urewera		AML	AML	20 00 40.7	
URZ	Urewera		AML	AML	20 00 42.2	
SNGZ	Shannon Statio	1.75 240	PN	Op	20 00 12.7	+0.5
SNGZ	Shannon Statio		PN	Pn	20 00 12.7	+0.5
SNGZ	Shannon Statio		AML	AML	20 00 43.5	
SNGZ	Shannon Statio		AML	AML	20 00 43.5	
WHRZ	Whale Island	1.83 271	PN	Op	20 00 12.1	-1.1
WHRZ	Whale Island		PN	Pn	20 00 15.4	+0.6
WHHZ	Whaihua	1.98 234	PN	Op	20 00 15.9	+0.8
WHHZ	Whaihua		AML	AML	20 00 40.9	
WHHZ	Whaihua		AML	AML	20 00 51.2	
EDRZ	Edgacumbe	2.02 264	PN	Op	20 00 15.4	-0.4
EDRZ	Edgacumbe		PN	Pn	20 00 15.4	-0.4
EDRZ	Edgacumbe		AML	AML	20 00 47.2	

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EDRZ	AML	AML	20 00 53.4
MARZ Manawaha	2.06 268	PN	Pn 20 00 15.7 -0.6
MARZ Manawaha		PN	Pn 20 00 15.7 -0.6
MARZ Manawaha		AML	AML 20 00 49.5
MARZ Manawaha		AML	AML 20 00 54.3
MTZH Maungataniwha	2.13 243	PN	Pn 20 00 17.7 +0.5
MTZH Maungataniwha		SN	Sn 20 00 50.0 +7.0
OPRZ Ohinepanea	2.16 271	PN	Pn 20 00 15.9 -1.7
OPRZ Ohinepanea		PN	Pn 20 00 15.9 -1.7
OPRZ Ohinepanea		SN	Sn 20 00 44.8 +1.3
OPRZ Ohinepanea		AML	AML 20 01 02.3
TARZ Mount Tarawera	2.21 261	PN	Pn 20 00 18.2 -0.2
TARZ Mount Tarawera		PN	Pn 20 00 18.2 -0.2
TARZ Mount Tarawera		AML	AML 20 00 52.1
TARZ Mount Tarawera		AML	AML 20 00 53.3
RRRZ Republican Roa	2.22 258	PN	Pn 20 00 18.8 +0.3
RRRZ Republican Roa		PN	Pn 20 00 18.8 +0.3
RRRZ Republican Roa		AML	AML 20 01 01.3
RRRZ Republican Roa		PN	Pn 20 00 19.4 +0.8
RRRZ Republican Roa		PN	Pn 20 00 19.4 +0.8
RRRZ Republican Roa		AML	AML 20 00 55.5
RRRZ Republican Roa		AML	AML 20 00 56.2
NMHZ Naumai	2.27 238	PN	Pn 20 00 19.7 +0.6
NMHZ Naumai		PN	Pn 20 00 19.7 +0.6
NMHZ Naumai		AML	AML 20 00 56.8
NMHZ Naumai		AML	AML 20 00 59.3
PRRZ Plateau Road	2.35 255	PN	Pn 20 00 20.3 +0.1
PRRZ Plateau Road		PN	Pn 20 00 20.0 -0.1
PRRZ Plateau Road		AML	AML 20 01 03.5
PRRZ Plateau Road		AML	AML 20 01 05.1
ALRZ Allen Road	2.40 254	PN	Pn 20 00 21.3 +0.4
ALRZ Allen Road		PN	Pn 20 00 21.3 +0.4
ALRZ Allen Road		AML	AML 20 01 45.3
ALRZ Allen Road		AML	AML 20 01 46.1
TGRZ Tauranga	2.40 274	PN	Pn 20 00 19.4 -1.5
TGRZ Tauranga		PN	Pn 20 00 19.3 -1.5
TGRZ Tauranga		AML	AML 20 01 04.7
TGRZ Tauranga		AML	AML 20 01 10.5
KARZ Kaharoa	2.40 267	eP	Pn 20 00 19.7 -1.2
KARZ Kaharoa		PN	Pn 20 00 19.7 -1.2
KARZ Kaharoa		AML	AML 20 00 54.9
KARZ Kaharoa		AML	AML 20 01 06.0
HRRZ Handcock Road	2.41 258	PN	Pn 20 00 21.0 0.0
HRRZ Handcock Road		PN	Pn 20 00 20.9 -0.1
HRRZ Handcock Road		AML	AML 20 00 59.2
HRRZ Handcock Road		AML	AML 20 00 58.0
HSRZ Hossack Road	2.43 260	PN	Pn 20 01 05.2
HSRZ Hossack Road		PN	Pn 20 00 17.7 +0.3
HSRZ Hossack Road		PN	Pn 20 00 21.7 +0.3
HSRZ Hossack Road		AML	AML 20 01 03.4
HSRZ Hossack Road		AML	AML 20 01 04.3
BKZ Black Stump Fm	2.52 240	eP	Pn 20 00 22.7 +0.4
BKZ Black Stump Fm		eS	Sn 20 00 58.3 +6.2
BKZ Black Stump Fm		eS	Sn 20 00 58.2 +7.1
BKZ Black Stump Fm		PN	Pn 20 00 22.8 +0.4
BKZ Black Stump Fm		SN	Sn 20 00 59.2 +7.1
BKZ Black Stump Fm		AML	AML 20 01 00.4
WPRZ Whakapapatarin	2.53 255	PN	Pn 20 00 22.9 +0.3
WPRZ Whakapapatarin		PN	Pn 20 00 22.9 +0.3
WPRZ Whakapapatarin		AML	AML 20 01 14.9
WPRZ Whakapapatarin		PN	Pn 20 00 23.2 +0.7
WPRZ Whakapapatarin		PN	Pn 20 00 23.2 +0.7
MCHZ McNeill Hill	2.53 232	PN	Pn 20 00 59.8 +7.4
MCHZ McNeill Hill		SN	Sn 20 01 03.1
MCHZ McNeill Hill		PN	Pn 20 00 24.2 0.0
MCHZ McNeill Hill		SN	Sn 20 01 02.1 +6.8
MCHZ McNeill Hill		AML	AML 20 01 14.1
KAHZ Kahuranaki	2.65 224	PN	Pn 20 00 25.2 +0.4
KAHZ Kahuranaki		PN	Pn 20 00 25.2 +0.4
KAHZ Kahuranaki		AML	AML 20 01 09.9
KAHZ Kahuranaki		PN	Pn 20 00 25.9 -

Table with columns: Code, Station Name, Az, AzP, Op, Phase, ISC, Time, Res, ISC. Includes stations like Otahua Downs, Jackson Bay, Wether Hill Ro, etc.

NEIC 18 20:17:24.7z, 0.0, 37.52Sx179.72E, h14km, ML4.1(WEL), After WEL. WEL 18 20:17:25.3z, 0.0, 37.49Sx179.82E, h33km, ML4.1/38, Error ellipse: s-maj=3.6km s-min=3.1km az=0.0

ISC 18 20:17:23.6z, 1.0, 37.63Sx179.84E, h22km, 6km, n109, r19711, 3C-2D, Off east coast of North Island

Table with columns: Code, Station Name, Az, AzP, Op, Phase, ISC, Time, Res, ISC. Includes stations like Waionatatin S, Matakaoa Point, Matakaoa Point, etc.

Table with columns: Code, Station Name, Az, AzP, Op, Phase, ISC, Time, Res, ISC. Includes stations like DVHZ, DVHZ, HZ, BFZ, etc.

ISCJB 18 20:02:20.8z, 0.5, 35.05N, 0.04x140.00E, 0.05, h71km, 4km, mb3.8/6, Error ellipse: s-maj=7.9km s-min=5.4km az=36.3

JMA 18 20:02:21.4z, 0.1, 35.11N, 139.96E, h68km, 2km, M3.0

IDC 18 20:02:22.6z, 1.8, 35.01N, 139.96E, h71km, 14km, mb3.5/6, mb1 3.7z, mb1mx3.3/6.1, mbtmp3.8/7, Error ellipse: s-maj=33.6km s-min=5.8km az=72.0

ISC 18 20:02:21.5z, 0.8, 35.09N, 0.05x140.00E, 0.04, h64km, 6km, n26, r10631, mb3.9/6, 1C-5D, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzP, Op, Phase, ISC, Time, Res, ISC. Includes stations like TATEYAMA, KATSURA, BOSO 4, etc.

ATH 18 20:18:47.3z, 347.3N, 23.82E, h33km, 2km, ML2.1/2, Error ellipse: s-maj=7.6km s-min=1.7km az=59.0, Crete

Table with columns: Code, Station Name, Az, AzP, Op, Phase, ISC, Time, Res, ISC. Includes stations like GVD, GVD, GVD, etc.

NEIC 18 20:35:52.5z, 0.0, 37.34Sx179.87E, h33km, ML4.0(WEL), After WEL. WEL 18 20:35:52.1z, 0.0, 37.37Sx179.91E, h33km, ML4.0/14, 3C-2D, Error ellipse: s-maj=5.1km s-min=3.5km az=0.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, AzP, Op, Phase, ISC, Time, Res, ISC. Includes stations like WMGZ, WMGZ, WMGZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MHGZ Mahia Peninsula, URZ Urewera, KNZ Kokohu, etc.

CSEM 18 20:36:06.0, 1.3, 37.30N, 143.98E, h2km, ML2.7, Error ellipse: s-maj=32.6km s-min=11.2km az=87.0

DDA 18 20:36:08.7, 37.35N, 143.72E, h6km, ML1.7

ISC 18 20:36:08.7, 36.89N, 143.62E, h5km, ML1.8

ISC 18 20:36:05.6, 2.0, 37.24N, 143.00E, h10km, n7, s=0.96, 1.14, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CUKT Cukurca, HAKT HAKKARI, MSL Mosul, etc.

CSEM 18 20:44:49.8, 0.2, 38.73N, 143.54E, h2km, ML3.0, Error ellipse: s-maj=5.5km s-min=3.6km az=87.0

DDA 18 20:44:49.5, 38.74N, 143.54E, h7km, ML3.0

ISC 18 20:44:49.0, 38.74N, 143.49E, h5km, ML3.0

ISC 18 20:44:50.8, 0.8, 38.72N, 143.51E, h15km, 6km, n4, s=1.26, 0.70, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VANB Van, VMUR Van-Muradiye, ERVOC ERVOC-VAN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CUKT Cukurca, KARS Kars, DIGO Kars, etc.

IDC 18 20:53:39.1, 1.6, 37.32S, 179.54E, h0km, mb4.2/3, mb1 4.4/4, mb1mx4.0/26, mbtmpt4.2/4, ML4.4.1, MS3.4.1, Ms1 3.4.1, ms1mx2.5/27, Error ellipse: s-maj=5.16km s-min=29.4km az=157.0

WEL 18 20:53:40.3, 0.2, 37.28S, 179.91E, h33km, ML4.4/4/9, Error ellipse: s-maj=2.4km s-min=1.9km az=0.0

NEIC 18 20:53:40.6, 0.0, 37.44S, 179.98E, h33km, mb4.6/7, ML4.4(WEL), After WEL

ISC 18 20:53:42.1, 1.2, 37.32S, 179.66E, 0.05, h19km, 3km, n158, s=16/181, mb4.2.1, 1.3, C-4D, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WMGZ Waiomatatini S, MATAKAOA Point, PUKETITI, etc.

SNZG Shannon Statio 2.06 242 Pn Pn 20 54 18.1 +2.3

SNZG Shannon Statio 2.06 242 Pn Pn 20 54 18.1 +2.3

WHHZ Waihua 2.28 236 Pn Pn 20 54 21.1 +2.3

WHHZ Waihua 2.28 236 Pn Pn 20 54 21.1 +2.3

MANAWAHE Manawahe 2.37 265 Pn Pn 20 54 20.4 +0.4

MANAWAHE Manawahe 2.37 265 Pn Pn 20 54 20.4 +0.4

MURUPARA Murupara 2.37 253 Pn Pn 20 54 21.3 +2.2

MURUPARA Murupara 2.37 253 Pn Pn 20 54 21.3 +2.2

MURUPARA Murupara 2.37 253 Pn Pn 20 54 21.3 +2.2

MURUPARA Murupara 2.37 253 Pn Pn 20 54 21.3 +2.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TOZ Tahuroa Road, KUZ Kautouno, WPHZ Waipukurau, etc.

OTVZ Otutere 3.41 246 Pn Pn 20 54 35.7 +1.2

OTVZ Otutere 3.41 246 Pn Pn 20 54 35.7 +1.2

OTVZ Otutere 3.41 246 Pn Pn 20 54 35.7 +1.2

OTVZ Otutere 3.41 246 Pn Pn 20 54 35.7 +1.2

OTVZ Otutere 3.41 246 Pn Pn 20 54 35.7 +1.2

OTVZ Otutere 3.41 246 Pn Pn 20 54 35.7 +1.2

OTVZ Otutere 3.41 246 Pn Pn 20 54 35.7 +1.2

OTVZ Otutere 3.41 246 Pn Pn 20 54 35.7 +1.2

OTVZ Otutere 3.41 246 Pn Pn 20 54 35.7 +1.2

OTVZ Otutere 3.41 246 Pn Pn 20 54 35.7 +1.2

OTVZ Otutere 3.41 246 Pn Pn 20 54 35.7 +1.2

OTVZ Otutere 3.41 246 Pn Pn 20 54 35.7 +1.2

OTVZ Otutere 3.41 246 Pn Pn 20 54 35.7 +1.2

OTVZ Otutere 3.41 246 Pn Pn 20 54 35.7 +1.2

OTVZ Otutere 3.41 246 Pn Pn 20 54 35.7 +1.2

OTVZ Otutere 3.41 246 Pn Pn 20 54 35.7 +1.2

OTVZ Otutere 3.41 246 Pn Pn 20 54 35.7 +1.2

OTVZ Otutere 3.41 246 Pn Pn 20 54 35.7 +1.2

OTVZ Otutere 3.41 246 Pn Pn 20 54 35.7 +1.2

OTVZ Otutere 3.41 246 Pn Pn 20 54 35.7 +1.2

OTVZ Otutere 3.41 246 Pn Pn 20 54 35.7 +1.2

OTVZ Otutere 3.41 246 Pn Pn 20 54 35.7 +1.2



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like MXZ, PUK, PKG, etc.

ISCJB 18 21:29:08.6.2, 4.3772S, 0.05:179:79W, 0.08, h24km, 10km, mb4.0/3, MS3.5/8, Error ellipse: s-maj=11.1km s-min=7.9km az=149.3

WEL 18 21:29:12.4.0.5, 37.27S, 179:93E, h33km, ML4.6/8.4, Error ellipse: s-maj=5.3km s-min=4.7km az=0.0

NEIC 18 21:29:12.2.0.0, 37.37S, 179:79E, h9km, ML4.5(WEL), After WEL

ISC 18 21:29:09.6.2, 4.3772S, 0.07:179:97E, 0.08, h6km, 12km, n206, c1827/202, mb4.0/3, MS3.6/8, 6C-2D, Off east coast of North Island

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like WMGZ, MXZ, PUK, etc.

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like NNMHZ, Plateau Road, Tauranga, etc.

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like MRZ, Te Maipa, Lake Rotokare, etc.

NIED 18 21:29:00.36:90N:141:40E, h62km, Mw3.6 Best double couple: Ms:27000:1014 NP1:949.00000: 835.00000: 1.100.00000: NP2:217.00000: 853.00000: 1.833.00000: ISCJB 18 21:29:33.3.0.9, 36:83N:0.04:141:39E, 0.09, h53km, 9km, mb3.5/2, MS3.5/1, Error ellipse: s-maj=11.8km s-min=6.5km az=12.5





IDC 1822:09:02.1.2.0.15:53S:173:20W,h0km,mb3.7/4, mb1.4/0.4,mb1mx3.7/35,mbtmp3.7/4,MS3.7/15, Ms1.3/7.15,ms1mx3.6/31,Error ellipse: s-maj=112.5km s-min=26.1km az=150.0

ISC 1822:09:07.0.1.9.15:2S:0.5:173:1W:0.4,h29km,n27, z=293/14,mb3.7/4,MS3.8/14,4C-1D,Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like AFI Afiamalu, DZM Mont Dzumac, PPT Papeete, URZ Urewera, HNR Honiara, etc.

SOME 1822:14:32.1.44:23N:81:50E,h25km, NNC 1822:14:34.2.1.9.44:56N:81:19E,h0km,mb3.3,mpv2.9, Error ellipse: s-maj=33.0km s-min=6.1km az=122.0

ISC 1822:14:31.7.1.5.44:33N:0.05:81:43E:0.05,h15km,10km, n19,r160/38,17C-3D,Northern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DJR Jarkent, PDG Podgornoye, KAPS Kapalarasan, etc.

IDC 1822:18:07.5:6.3,17:19S:176:93W,h0km,mb4.4/2, mb1.4/6.2,mb1mx3.8/30,mbtmp4.4/2,Error ellipse: s-maj=305.1km s-min=43.0km az=144.0,Fiji Islands region

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, BRTR Keskin Array B, GERES GERES Array B.

IDC 1822:18:26.4:1.6,2:38S:144:60E,h0km,mb4.0/5, mb1.4/3.5,mb1mx3.9/30,mbtmp4.0/5, Error ellipse: s-maj=51.7km s-min=24.6km az=105.0,Ninigo Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, H11S3 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, etc.

IDC 1822:28:56.0:1.6,37:51S:179:59E,h0km,mb4.3/2, mb1.4/6.3,mb1mx4.0/27,mbtmp4.4/3,ML4.4/1,Error ellipse: s-maj=54.6km s-min=28.2km az=159.0

NEIC 1822:28:56.0:0.0,37:31S:179:96E,h33km,ML4.3(WEL), After WEL, WEL 1822:28:57.6:0.4,37:41S:179:92E,h33km,ML4.3/34, Error ellipse: s-maj=4.3km s-min=4.0km az=0.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WMGZ Waionmatatini S, WRA Warramunga Arr, ARCES ARCES Array B, etc.

ISC 1822:56:5.2:3,37:78S:0:07:179:85E:0:08,h13km,12km, n88,r123/100,4C-2D,East coast of North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WMGZ Waionmatatini S, WRA Warramunga Arr, ARCES ARCES Array B, etc.

WEL 1822:32:04.0:0.4,37:38S:179:92E,h33km,ML3.6/17, Error ellipse: s-maj=3.0km s-min=3.9km az=0.0,Off east coast of North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WMGZ Waionmatatini S, WRA Warramunga Arr, ARCES ARCES Array B, etc.

Table with columns: PXZ Pawanui, PXZ Pawanui, KHRH Kereru, BHHZ Black Hill Sta, BHHZ Black Hill Sta, etc.

WEL 1822:32:04.0:0.4,37:38S:179:92E,h33km,ML3.6/17, Error ellipse: s-maj=3.0km s-min=3.9km az=0.0,Off east coast of North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WMGZ Waionmatatini S, WRA Warramunga Arr, ARCES ARCES Array B, etc.

WEL 1822:32:04.0:0.4,37:38S:179:92E,h33km,ML3.6/17, Error ellipse: s-maj=3.0km s-min=3.9km az=0.0,Off east coast of North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WMGZ Waionmatatini S, WRA Warramunga Arr, ARCES ARCES Array B, etc.

WEL 1822:32:04.0:0.4,37:38S:179:92E,h33km,ML3.6/17, Error ellipse: s-maj=3.0km s-min=3.9km az=0.0,Off east coast of North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WMGZ Waionmatatini S, WRA Warramunga Arr, ARCES ARCES Array B, etc.

Table with 5 columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KWHZ Kaweka Forest, BHHZ Black Hill Sta, MRZ Mangatainoka R.

IDC 18 22:32:41.4±2.1, 16°21'S;176°36'W, h0km, mb3.8/4, mb1 4.2/5, mb1mx3.8/30, mbtmp3.9/5, ML4.0/1, MS3.8/8, Ms1 3.8/8, ms1mx3.5/24, Error ellipse: s-maj=124.6km s-min=28.3km az=152.0

Table with 5 columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like AFI Afiamalu, AFI Afiamalu, RAR Raotonga, DZM Mont Dzumac, PPT2 Papeete2, PPT2 Papeete2, EIDS Eidsvold, CTAO Charters Tower, TAO Nuku Hiva Isla, PMG Port Moresby, H1S12 WAKE ISLAND Hy, H1S13 WAKE ISLAND Hy, H1S11 WAKE ISLAND Hy, RKT Rikitea, H1N13 WAKE ISLAND Hy, H1N12 WAKE ISLAND Hy, H1N11 WAKE ISLAND Hy, STKA Stephens Creek, WRA Warramunga Arr, MAJO Matsushiro, MAJ Matsushiro, MDJ Magadan, TXAR Lajitas Array, TXAR Lajitas Array, ANMO Albuquerque, ILAR Eielson Array, PDAR Pinedale Array, PDAR Pinedale Array, BRTR Keskin Array B, GERES GERES Array B.

IDC 18 22:32:46.5±0.8, 16°31'S;176°29'W, h35km, mb4.5/5, Error ellipse: s-maj=37.5km s-min=10.6km az=160.0

IDC 18 22:32:46.1±1.3, 16°33'S;176°29'W, h35km, n26, n152/13, mb4.1/9, MS3.9/5, Fiji Islands region

Main table for the first section with columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Time, Res, ISC. Includes stations like AFI Afiamalu, RAR Raotonga, DZM Mont Dzumac, PPT2 Papeete2, EIDS Eidsvold, CTAO Charters Tower, TAO Nuku Hiva Isla, PMG Port Moresby, H1S12 WAKE ISLAND Hy, H1S13 WAKE ISLAND Hy, H1S11 WAKE ISLAND Hy, RKT Rikitea, H1N13 WAKE ISLAND Hy, H1N12 WAKE ISLAND Hy, H1N11 WAKE ISLAND Hy, STKA Stephens Creek, WRA Warramunga Arr, MAJO Matsushiro, MAJ Matsushiro, MDJ Magadan, TXAR Lajitas Array, TXAR Lajitas Array, ANMO Albuquerque, ILAR Eielson Array, PDAR Pinedale Array, PDAR Pinedale Array, BRTR Keskin Array B, GERES GERES Array B.

IDC 18 22:36:47.3±1.7, 4.46S;133.85E, h0km, mb3.5/1, mb1 3.9/5, mb1mx3.6/36, mbtmp3.7/5, ML3.7/3, MS3.2/1, Ms1 3.2/1, ms1mx2.7/24, Error ellipse: s-maj=65.2km s-min=25.5km az=71.0, Irian Jaya region

Table with 5 columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like PMG Port Moresby, WRA Warramunga Arr, WRA Warramunga Arr, FITZ Fitzroy Crossi, ASAR Alice Springs, CTAO Charters Tower, MKAR Makanchi Array.

IDC 18 22:43:50.6±1.8, 15°21'S;176°9'W, h0km, mb3.9/5, mb1 4.3/5, mb1mx3.9/24, mbtmp3.9/5, MS3.9/2, Ms1 3.9/2, ms1mx3.2/44, Error ellipse: s-maj=124.9km s-min=24.8km az=152.0, Fiji Islands region

Main table for the second section with columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Time, Res, ISC. Includes stations like AFI Afiamalu, AFI Afiamalu, RAO Raoul Island, DZM Mont Dzumac, RAR Raotonga, HNR Honiara, URZ Urewera, PPT Papeete, PPT2 Papeete2, PPT2 Papeete2, TAOE Nuku Hiva Isla, RKT Rikitea, STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, Vnda Vanda, PETK Petropavlovsk, USRK Ussuriysk Ar, ILAR Eielson Array, ILAR Eielson Array, TXAR Lajitas Array, PDAR Pinedale Array, PDAR Pinedale Array.

Table with 5 columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MAW Mawson, CMAR Chiang Mai Arr, YKA Yellowknife Ar, PLCA Paso Flores, ULM Lac du Bonnet.

MAN 18 22:53:23.738N;125°10'E, h31km, mb4.3, ML3.1, MS2.9, 1C, Mindanao

Table with 5 columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Time, Res, ISC. Includes stations like BUKP Musuan, BUKP Musuan, CTBH Cotabato-PC H, CTBH Cotabato-PC H, PAGO Pagadian, PAGO Pagadian.

NEIC 18 23:05:03.0±0.4, 37°35'S;179°90'E, h33km, ML4.1 (WEL), After WEL, WEL 18 23:05:03.8±0.4, 37°34'S;179°85'E, h33km, ML4.0/24, 5C-1D, Error ellipse: s-maj=4.8km s-min=3.8km az=0.0, East coast of North Island

Main table for the third section with columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Time, Res, ISC. Includes stations like WMGZ Waiomatatini S, WMGZ Waiomatatini S, WMGZ Waiomatatini S, WMGZ Waiomatatini S, MXZ Matakaoa Point, MXZ Matakaoa Point, MXZ Matakaoa Point, MXZ Matakaoa Point, PUK Puketiti, PUK Puketiti, PUK Puketiti, PUK Puketiti, PKGZ Pakihiroa, PKGZ Pakihiroa, PKGZ Pakihiroa, PKGZ Pakihiroa, HAZ Te Kaha, HAZ Te Kaha, HAZ Te Kaha, TWGZ Tauwhareparae, TWGZ Tauwhareparae, TWGZ Tauwhareparae, TWGZ Tauwhareparae, CNGZ Carnagh Statio, CNGZ Carnagh Statio, CNGZ Carnagh Statio, RUGZ Raukumara Rang, RUGZ Raukumara Rang, TKGZ Te Karaka, TKGZ Te Karaka, TKGZ Te Karaka, TKGZ Te Karaka, MATAWAI Matawai, MATAWAI Matawai, MATAWAI Matawai, RIMUHAU Rimuhau, RIMUHAU Rimuhau, RIGZ Rigitu, PRGZ Paritu Road, PRGZ Paritu Road, PRGZ Paritu Road, RAWIRI Rawiri, RAWIRI Rawiri, RAWIRI Rawiri, RAWIRI Rawiri, WHALE ISLAND Whale Island, WHALE ISLAND Whale Island, WHALE ISLAND Whale Island, WHALE ISLAND Whale Island, MAHIA PENINSUL Mahia Peninsula, MAHIA PENINSUL Mahia Peninsula, MAHIA PENINSUL Mahia Peninsula, MAHIA PENINSUL Mahia Peninsula, KOKOHO Kokohe, KOKOHO Kokohe, KOKOHO Kokohe, KOKOHO Kokohe, SHANNON STATION Shannon Statio, SHANNON STATION Shannon Statio, SHANNON STATION Shannon Statio, SHANNON STATION Shannon Statio, RUATHUNA Ruatuhuna, RUATHUNA Ruatuhuna, OHINEPANA Ohinepanea, OHINEPANA Ohinepanea, OHINEPANA Ohinepanea, OHINEPANA Ohinepanea, MOUNT TARAWERA Mount Tarawera, MOUNT TARAWERA Mount Tarawera, MOUNT TARAWERA Mount Tarawera, MOUNT TARAWERA Mount Tarawera, MAUNGATANIWA Maungataniwha, MAUNGATANIWA Maungataniwha, MAUNGATANIWA Maungataniwha, MAUNGATANIWA Maungataniwha, AROPOANUI Aropoanui, AROPOANUI Aropoanui, AROPOANUI Aropoanui, AROPOANUI Aropoanui, KAHURANAKI Kahuranaki, KAHURANAKI Kahuranaki, KAHURANAKI Kahuranaki, KAHURANAKI Kahuranaki, KAWKA FOREST Kaweka Forest, KAWKA FOREST Kaweka Forest, KAWKA FOREST Kaweka Forest, KAWKA FOREST Kaweka Forest, KERERU Kereru, KERERU Kereru, BLACK HILL STA Black Hill Sta, BLACK HILL STA Black Hill Sta, KAREWAREWA Karewarewa, KAREWAREWA Karewarewa, KAREWAREWA Karewarewa, KAREWAREWA Karewarewa, MOAWHANGO Moawhango, MOAWHANGO Moawhango, MOAWHANGO Moawhango, MOAWHANGO Moawhango, PUKENUI Pukenui, PUKENUI Pukenui, PUKENUI Pukenui, PUKENUI Pukenui, WAHIAHOA Wahianoa, WAHIAHOA Wahianoa, WAHIAHOA Wahianoa, WAHIAHOA Wahianoa, TAKAPARI ROAD Takapari Road, TAKAPARI ROAD Takapari Road, TAKAPARI ROAD Takapari Road, TAKAPARI ROAD Takapari Road, DANNEVIKIRI Dannevirke, DANNEVIKIRI Dannevirke, DANNEVIKIRI Dannevirke, DANNEVIKIRI Dannevirke, BIRCH FARM Birch Farm, BIRCH FARM Birch Farm, BIRCH FARM Birch Farm, BIRCH FARM Birch Farm, POST OFFICE RO Post Office Ro, POST OFFICE RO Post Office Ro, POST OFFICE RO Post Office Ro, POST OFFICE RO Post Office Ro, PORT ROAD Port Road, PORT ROAD Port Road, PORT ROAD Port Road, PORT ROAD Port Road, MANGATAINOKA R Mangatainoka R, MANGATAINOKA R Mangatainoka R, MANGATAINOKA R Mangatainoka R, MANGATAINOKA R Mangatainoka R, KAPITI ISLAND Kapiti Island, KAPITI ISLAND Kapiti Island, KAPITI ISLAND Kapiti Island, KAPITI ISLAND Kapiti Island, CANNON POINT Cannon Point, CANNON POINT Cannon Point, CANNON POINT Cannon Point, CANNON POINT Cannon Point, URVILLE ISLA D'Urville Isla, URVILLE ISLA D'Urville Isla, URVILLE ISLA D'Urville Isla, URVILLE ISLA D'Urville Isla.

IDC 18 23:11:17.8±0.0, 44°40'N;179°79'E, h5km, ML4.2 (WEL), After WEL, WEL 18 23:11:17.8±0.0, 44°40'N;179°86'E, h33km, ML4.2/32, 4C-4D, Error ellipse: s-maj=4.5km s-min=4.2km az=0.0, East coast of North Island

Main table for the fourth section with columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Time, Res, ISC. Includes stations like WMGZ Waiomatatini S, WMGZ Waiomatatini S, WMGZ Waiomatatini S, WMGZ Waiomatatini S, MXZ Matakaoa Point, MXZ Matakaoa Point, MXZ Matakaoa Point, MXZ Matakaoa Point, PUK Puketiti, PUK Puketiti, PUK Puketiti, PUK Puketiti, WHALE ISLAND Whale Island, WHALE ISLAND Whale Island, WHALE ISLAND Whale Island, WHALE ISLAND Whale Island, MAHIA PENINSUL Mahia Peninsula, MAHIA PENINSUL Mahia Peninsula, MAHIA PENINSUL Mahia Peninsula, MAHIA PENINSUL Mahia Peninsula, KOKOHO Kokohe, KOKOHO Kokohe, KOKOHO Kokohe, KOKOHO Kokohe, SHANNON STATION Shannon Statio, SHANNON STATION Shannon Statio, SHANNON STATION Shannon Statio, SHANNON STATION Shannon Statio, RUATHUNA Ruatuhuna, RUATHUNA Ruatuhuna, OHINEPANA Ohinepanea, OHINEPANA Ohinepanea, OHINEPANA Ohinepanea, OHINEPANA Ohinepanea, MOUNT TARAWERA Mount Tarawera, MOUNT TARAWERA Mount Tarawera, MOUNT TARAWERA Mount Tarawera, MOUNT TARAWERA Mount Tarawera, MAUNGATANIWA Maungataniwha, MAUNGATANIWA Maungataniwha, MAUNGATANIWA Maungataniwha, MAUNGATANIWA Maungataniwha, AROPOANUI Aropoanui, AROPOANUI Aropoanui, AROPOANUI Aropoanui, AROPOANUI Aropoanui, KAHURANAKI Kahuranaki, KAHURANAKI Kahuranaki, KAHURANAKI Kahuranaki, KAHURANAKI Kahuranaki, KAWKA FOREST Kaweka Forest, KAWKA FOREST Kaweka Forest, KAWKA FOREST Kaweka Forest, KAWKA FOREST Kaweka Forest, KERERU Kereru, KERERU Kereru, BLACK HILL STA Black Hill Sta, BLACK HILL STA Black Hill Sta, KAREWAREWA Karewarewa, KAREWAREWA Karewarewa, KAREWAREWA Karewarewa, KAREWAREWA Karewarewa, MOAWHANGO Moawhango, MOAWHANGO Moawhango, MOAWHANGO Moawhango, MOAWHANGO Moawhango, PUKENUI Pukenui, PUKENUI Pukenui, PUKENUI Pukenui, PUKENUI Pukenui, WAHIAHOA Wahianoa, WAHIAHOA Wahianoa, WAHIAHOA Wahianoa, WAHIAHOA Wahianoa, TAKAPARI ROAD Takapari Road, TAKAPARI ROAD Takapari Road, TAKAPARI ROAD Takapari Road, TAKAPARI ROAD Takapari Road, DANNEVIKIRI Dannevirke, DANNEVIKIRI Dannevirke, DANNEVIKIRI Dannevirke, DANNEVIKIRI Dannevirke, BIRCH FARM Birch Farm, BIRCH FARM Birch Farm, BIRCH FARM Birch Farm, BIRCH FARM Birch Farm, POST OFFICE RO Post Office Ro, POST OFFICE RO Post Office Ro, POST OFFICE RO Post Office Ro, POST OFFICE RO Post Office Ro, PORT ROAD Port Road, PORT ROAD Port Road, PORT ROAD Port Road, PORT ROAD Port Road, MANGATAINOKA R Mangatainoka R, MANGATAINOKA R Mangatainoka R, MANGATAINOKA R Mangatainoka R, MANGATAINOKA R Mangatainoka R, KAPITI ISLAND Kapiti Island, KAPITI ISLAND Kapiti Island, KAPITI ISLAND Kapiti Island, KAPITI ISLAND Kapiti Island, CANNON POINT Cannon Point, CANNON POINT Cannon Point, CANNON POINT Cannon Point, CANNON POINT Cannon Point, URVILLE ISLA D'Urville Isla, URVILLE ISLA D'Urville Isla, URVILLE ISLA D'Urville Isla, URVILLE ISLA D'Urville Isla.

Table with 5 columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like mb1 3.9/6, mb1mx3.6/44, mbtmp3.7/6, ML3.3/1, MSd 7/3, Ms1 3.7/3, ms1mx2.9/44, Error ellipse: s-maj=32.1km s-min=25.5km az=59.0

ISCJB 18 23:09:34.8±0.7, 35°66'N;0°06'141'25E;0°08, h33km, mb3.9/8, MS3.8/3, Error ellipse: s-maj=9.8km s-min=8.4km az=179.7

JMA 18 23:09:34.1±0.1, 35°65'N;141°26'E, h29km, mb4.1/3, Error ellipse: s-maj=12.0km s-min=9.6km az=115.0

ISC 18 23:09:36.3±0.9, 35°66'N;0°06'141'18E;0°09, h33km, n27, n19/20, MS3.9/8, MS3.9/3, 1C, Near east coast of eastern Honshu

Main table for the fifth section with columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Time, Res, ISC. Includes stations like CHOU Chosi, CHOU Chosi, JYT Yasato, BSO1 Boso 1, BSO3 Boso 3, JHO Hitachi, MJAR Matsushiro Arr, MAJO Matsushiro, MAJ Matsushiro, MAT Matsushiro, JHJ2 Mitsune, ERM Erimo, H1N12 WAKE ISLAND Hy, H1N11 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, H1S3 WAKE ISLAND Hy, H1S2 WAKE ISLAND Hy, SONM Songino Array, ZALV Zalesovo Beam, MKAR Makanchi Array, PMG Port Moresby, KURK Kurchatov, COLA College, ILAR Eielson Array, AAK Ala-Archa, WRA Warramunga Arr, FINES FINESS Array B, VRAC Vranov.

NEIC 18 23:11:15.9±0.0, 37°37'S;179°79'E, h5km, ML4.2 (WEL), After WEL, WEL 18 23:11:17.8±0.0, 44°40'N;179°86'E, h33km, ML4.2/32, 4C-4D, Error ellipse: s-maj=4.5km s-min=4.2km az=0.0, East coast of North Island

Main table for the sixth section with columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Time, Res, ISC. Includes stations like WMGZ Waiomatatini S, WMGZ Waiomatatini S, WMGZ Waiomatatini S, WMGZ Waiomatatini S, MXZ Matakaoa Point, MXZ Matakaoa Point, MXZ Matakaoa Point, MXZ Matakaoa Point, PUK Puketiti, PUK Puketiti, PUK Puketiti, PUK Puketiti, WHALE ISLAND Whale Island, WHALE ISLAND Whale Island, WHALE ISLAND Whale Island, WHALE ISLAND Whale Island, MAHIA PENINSUL Mahia Peninsula, MAHIA PENINSUL Mahia Peninsula, MAHIA PENINSUL Mahia Peninsula, MAHIA PENINSUL Mahia Peninsula, KOKOHO Kokohe, KOKOHO Kokohe, KOKOHO Kokohe, KOKOHO Kokohe, SHANNON STATION Shannon Statio, SHANNON STATION Shannon Statio, SHANNON STATION Shannon Statio, SHANNON STATION Shannon Statio, RUATHUNA Ruatuhuna, RUATHUNA Ruatuhuna, OHINEPANA Ohinepanea, OHINEPANA Ohinepanea, OHINEPANA Ohinepanea, OHINEPANA Ohinepanea, MOUNT TARAWERA Mount Tarawera, MOUNT TARAWERA Mount Tarawera, MOUNT TARAWERA Mount Tarawera, MOUNT TARAWERA Mount Tarawera, MAUNGATANIWA Maungataniwha, MAUNGATANIWA Maungataniwha, MAUNGATANIWA Maungataniwha, MAUNGATANIWA Maungataniwha, AROPOANUI Aropoanui, AROPOANUI Aropoanui, AROPOANUI Aropoanui, AROPOANUI Aropoanui, KAHURANAKI Kahuranaki, KAHURANAKI Kahuranaki, KAHURANAKI Kahuranaki, KAHURANAKI Kahuranaki, KAWKA FOREST Kaweka Forest, KAWKA FOREST Kaweka Forest, KAWKA FOREST Kaweka Forest, KAWKA FOREST Kaweka Forest, KERERU Kereru, KERERU Kereru, BLACK HILL STA Black Hill Sta, BLACK HILL STA Black Hill Sta, KAREWAREWA Karewarewa, KAREWAREWA Karewarewa, KAREWAREWA Karewarewa, KAREWAREWA Karewarewa, MOAWHANGO Moawhango, MOAWHANGO Moawhango, MOAWHANGO Moawhango, MOAWHANGO Moawhango, PUKENUI Pukenui, PUKENUI Pukenui, PUKENUI Pukenui, PUKENUI Pukenui, WAHIAHOA Wahianoa, WAHIAHOA Wahianoa, WAHIAHOA Wahianoa, WAHIAHOA Wahianoa, TAKAPARI ROAD Takapari Road, TAKAPARI ROAD Takapari Road, TAKAPARI ROAD Takapari Road, TAKAPARI ROAD Takapari Road, DANNEVIKIRI Dannevirke, DANNEVIKIRI Dannevirke, DANNEVIKIRI Dannevirke, DANNEVIKIRI Dannevirke, BIRCH FARM Birch Farm, BIRCH FARM Birch Farm, BIRCH FARM Birch Farm, BIRCH FARM Birch Farm, POST OFFICE RO Post Office Ro, POST OFFICE RO Post Office Ro, POST OFFICE RO Post Office Ro, POST OFFICE RO Post Office Ro, PORT ROAD Port Road, PORT ROAD Port Road, PORT ROAD Port Road, PORT ROAD Port Road, MANGATAINOKA R Mangatainoka R, MANGATAINOKA R Mangatainoka R, MANGATAINOKA R Mangatainoka R, MANGATAINOKA R Mangatainoka R, KAPITI ISLAND Kapiti Island, KAPITI ISLAND Kapiti Island, KAPITI ISLAND Kapiti Island, KAPITI ISLAND Kapiti Island, CANNON POINT Cannon Point, CANNON POINT Cannon Point, CANNON POINT Cannon Point, CANNON POINT Cannon Point, URVILLE ISLA D'Urville Isla, URVILLE ISLA D'Urville Isla, URVILLE ISLA D'Urville Isla, URVILLE ISLA D'Urville Isla.

18d 23h

CKHZ	Cape Kidnapper	3.19 222	Pn	Pn	23 12 03.9	-1.7
CKHZ	Cape Kidnapper	3.19 222	PN	Pn	23 12 03.8	-1.7
CKHZ			AML	AML	23 12 41.5	
CKHZ			AML	AML	23 12 45.1	
BKZ	Black Stump Fm	3.22 234	Pn	Pn	23 12 04.8	-1.3
BKZ	Black Stump Fm	3.22 234	PN	Pn	23 12 41.2	-1.3
BKZ			AML	AML	23 12 42.1	
MCHZ	McNeill Hill	3.26 229	Pn	Pn	23 12 05.3	-1.3
MCHZ	McNeill Hill	3.26 229	PN	Pn	23 12 05.3	-1.3
MCHZ			AML	AML	23 12 44.1	
MCHZ			AML	AML	23 12 44.9	
KUZ	Kuaotunu	3.37 279	PN	Pn	23 12 07.5	-0.5
KAHZ	Kahurangi	3.39 223	Pn	Pn	23 12 06.3	-2.1
KAHZ	Kahurangi	3.39 223	PN	Pn	23 12 06.3	-2.1
KAHZ			AML	AML	23 12 44.9	
KAHZ			AML	AML	23 12 45.3	
KWHZ	Kaweka Forest	3.41 231	PN	Pn	23 12 07.3	-1.5
KWHZ			AML	AML	23 12 46.5	
KWHZ			AML	AML	23 12 49.4	
PXZ	Pawanui	3.57 220	PN	Pn	23 12 08.1	-2.7
PXZ	Pawanui	3.57 220	PN	Pn	23 12 08.1	-2.7
PXZ			AML	AML	23 12 49.8	
PXZ			AML	AML	23 12 50.5	
PXZ			AML	AML	23 12 50.5	
KRHZ	Kereru	3.58 229	PN	Pn	23 12 08.9	-2.1
KRHZ			AML	AML	23 12 49.9	
KRHZ			AML	AML	23 12 51.6	
BHHZ	Black Hill Sta	3.68 233	Pn	Pn	23 12 11.0	-1.4
BHHZ	Black Hill Sta	3.68 233	PN	Pn	23 12 11.0	-1.4
BHHZ			AML	AML	23 12 51.7	
BHHZ			AML	AML	23 12 52.2	
BHHZ			AML	AML	23 12 52.2	
GRZ	Great Barrier	3.70 286	PN	Pn	23 12 49.9	
MOZ	Moumakai	3.76 272	PN	Pn	23 12 13.6	+0.2
WPHZ	Waipukurau	3.82 223	PN	Pn	23 12 11.5	-2.7
MOVZ	Moawhango	3.83 236	ePN	Pn	23 12 13.2	-1.3
PNHZ	Pukenui	3.85 227	Pn	Pn	23 12 12.1	-2.7
PNHZ	Pukenui	3.85 227	PN	Pn	23 12 12.1	-2.7
PNHZ			AML	AML	23 12 56.2	
PNHZ			AML	AML	23 12 56.2	
WNVZ	Wahianoa	3.90 238	ePN	Pn	23 12 13.5	-2.0
ANWZ	Angora Road	4.09 219	PN	Pn	23 12 14.6	-3.3
TSZ	Takapari Road	4.09 227	Pn	Pn	23 12 15.0	-3.0
TSZ	Takapari Road	4.09 227	PN	Pn	23 12 14.9	-3.1
DVHZ	Dannevirke	4.13 223	PN	Pn	23 12 15.2	-3.4
DVHZ	Dannevirke	4.13 223	PN	Pn	23 12 15.2	-3.4
DVHZ			AML	AML	23 13 02.1	
DVHZ			AML	AML	23 13 03.6	
BFZ	Birch Farm	4.37 219	PN	Pn	23 12 17.8	-4.0
BFZ			SN	Sn	23 13 04.7	-6.9

WEL 18 23:11:35.3-0.1, 43.785S-172.87E, h7km, ML3.7/16, 1C-3D, Error ellipse: s-maj=1.1km s-min=0.7km az=90.0, South Island

Code	Station Name	Δ° AZ'	Phase ID	Op	ISC	Time	Res
						h m s	ISC
MOZ	McQueen's Vall	0.17 250	SG	Pg	23 11 38.8	+0.1	
MOZ			AML	AML	23 11 41.5		
CRZL	Canterbury Las	0.19 293	PG	Pg	23 11 39.3	+0.1	
CRZL			AML	AML	23 11 41.9	+0.1	
CRZL			AML	AML	23 11 42.7		
OXZ	Oxford	0.69 298	PG	Pg	23 11 48.5	0.0	
OXZ			AML	AML	23 11 58.2	+0.8	
OXZ			AML	AML	23 12 00.1		
OXZ			AML	AML	23 12 00.1		
OXZ			AML	AML	23 12 00.3		
LTZ	Lake Taylor	0.97 333	PG	Pg	23 11 53.8	-0.2	
LTZ			AML	AML	23 12 07.5	0.0	
RPZ	Rata Peaks	1.32 267	P*	Pn	23 11 58.3	-1.8	
RPZ			S*	Sb	23 12 15.7	-1.7	
RPZ			AML	AML	23 12 19.4		
KHZ	Kahutara	1.33 22	PN	Pn	23 11 58.7	-1.5	
KHZ			AML	AML	23 12 55.3		
KHZ			AML	AML	23 12 51.9		
INH	Inchbonnie	1.39 311	PN	Pn	23 12 00.2	-0.9	
WVZ	Waitaha Valley	1.66 290	PN	Pn	23 12 04.8	+0.1	
WVZ			AML	AML	23 12 33.3		
WVZ			AML	AML	23 12 33.3		
THZ	Tophouse	1.89 1	PN	Pn	23 12 05.5	-1.4	
THZ			AML	AML	23 12 32.2		
THZ			AML	AML	23 12 33.6		
DSZ	Dennistown Nort	2.06 337	PN	Pn	23 12 09.7	-0.7	
DSZ			AML	AML	23 12 40.4		
DSZ			AML	AML	23 12 40.4		
DSZ			AML	AML	23 12 45.3		
DSZ			AML	AML	23 12 47.7		
LBZ	Lake Benmore	2.07 248	PN	Pn	23 12 09.4	-1.1	
LBZ			AML	AML	23 12 46.1		
LBZ			AML	AML	23 12 49.9		
ESWZ	Blackbirch Sta	2.07 21	PN	Pn	23 12 09.4	-1.0	
ODZ	Otahua Downs	2.12 228	PN	Pn	23 12 09.8	-1.3	
ODZ			AML	AML	23 12 49.6		
ODZ			AML	AML	23 12 49.6		
ODZ			AML	AML	23 12 49.8		
ODZ			AML	AML	23 12 49.8		
FOZ	Fox Glacier	2.22 272	PN	Pn	23 12 12.4	-0.1	
NNZ	Nelson	2.46 9	PN	Pn	23 12 15.1	-0.7	
DUWZ	D'Urville Isla	2.95 16	AML	AML	23 13 04.8		
DUWZ			AML	AML	23 13 06.6		
JCZ	Jackson Bay	2.98 260	ePN	Pn	23 12 22.2	-0.9	
JCZ			AML	AML	23 13 15.0		
EAZ	Earnsclough	3.00 237	PN	Pn	23 12 22.4	-0.8	
EAZ			AML	AML	23 13 13.2		
EAZ			AML	AML	23 13 13.2		
EAZ			AML	AML	23 13 16.5		
WKZ	Wanaka	3.01 246	AML	AML	23 13 11.2		
KIW	Kapiti Island	3.17 29	PN	Pn	23 12 23.6	-2.0	
TUZ	Tuapeka	3.26 224	PN	Pn	23 12 25.6	-1.1	
TUZ			AML	AML	23 13 26.6		
TUZ			AML	AML	23 13 30.7		
MLZ	Mavora Lakes	3.81 242	PN	Pn	23 12 32.8	-1.5	
SYZ	Scrubby Hill	3.91 221	PN	Pn	23 12 34.9	-0.8	

ISCJB 18 23:12:53.2-0.6, 37.72S-0.04-179.98E-0.06, h35km, mb4.5/13, MS3.5/2, Error ellipse: s-maj=6.7km s-min=5.5km az=155.5

NEIC 18 23:12:55.4-0.0, 37.51S-179.89E, h33km, mb4.5/8, ML4.5(WEL), After WEL.

WEL 18 23:12:56.3-0.4, 37.51S-179.79E, h33km, ML4.5/52, Error ellipse: s-maj=3.5km s-min=2.3km az=90.0

IDC 18 23:13:03.3-4.1, 38.15S-179.22E, h73km, 29km, mb4.1/4, mb1.4/3.6, mb1mx3.8/2.5, mbtmp4.4/5, MS3.6/2, M1 3/2, ms1mx2.9/2.3, Error ellipse: s-maj=36.7km s-min=33.4km az=86.0

ISC 18 23:12:56.8-0.7, 37.82S-0.06-179.78E-0.07, h35km, n133, α158/135, mb4.5/13, 2C-2D, Off east coast of North Island

Code	Station Name	Δ° AZ'	Phase ID	Op	ISC	Time	Res
						h m s	ISC
MXZ	Matakaoa Point	1.20 282	PN	Pn	23 13 15.3	-1.7	
MXZ			SN	Sn	23 13 31.3	-2.0	
MXZ			AML	AML	23 13 31.3		
HAZ	Te Kaha	1.58 272	PN	Pn	23 13 22.1	-0.2	
HAZ			AML	AML	23 13 42.6		
HAZ			AML	AML	23 13 44.9		
TKGZ	Te Karaka	1.65 247	PN	Pn	23 13 44.4	+1.2	
TKGZ			SN	Sn	23 13 45.7	+2.6	
TKGZ	Te Karaka	1.65 247	PN	Pn	23 13 24.4	+1.2	
TKGZ			SN	Sn	23 13 45.7	+2.6	
TKGZ			AML	AML	23 13 50.7		
PRGZ	Paritu Road	1.86 233	PN	Pn	23 13 27.7	+1.6	
PRGZ	Paritu Road	1.86 233	PN	Pn	23 13 27.7	+1.6	
PRGZ			AML	AML	23 13 57.4		
PRGZ			AML	AML	23 14 05.5		
RAGZ	Rawiri	1.98 249	PN	Pn	23 13 29.2	+1.3	
RAGZ			SN	Sn	23 13 53.3	+1.7	
RAGZ	Rawiri	1.98 249	PN	Pn	23 13 29.2	+1.3	
RAGZ			SN	Sn	23 13 53.3	+1.7	
RAGZ			AML	AML	23 14 01.3		
MHGZ	Mahia Peninsula	1.99 227	PN	Pn	23 13 29.6	+1.8	
MHGZ	Mahia Peninsula	1.99 227	PN	Pn	23 13 29.6	+1.8	
MHGZ			AML	AML	23 13 58.8		

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MHGZ	Urewera	2.15 257	AML	AML	23 13 59.1	
URZ	124nm,0.3s,baz=29,slow=2.4,SNR=19		Pn	Pn	23 13 31.1	+0.9
URZ			SN	Sn	23 13 57.5	+1.8
WHRZ	Whale Island	2.22 268	PN	Pn	23 13 31.1	0.0
WHZ	Waihua	2.36 237	PN	Pn	23 13 34.6	+1.5
WHZ			AML	AML	23 14 06.4	
WHZ			AML	AML	23 14 08.1	
EDRZ	Edgecumbe	2.42 262	Pn	Pn	23 13 33.2	-0.7
EDRZ	Edgecumbe	2.42 262	PN	Pn	23 13 33.2	-0.7
EDRZ			AML	AML	23 14 04.5	
EDRZ			AML	AML	23 14 20.9	
MARZ	Manawahe	2.46 265	Pn	Pn	23 13 34.2	-0.3
MARZ	Manawahe	2.46 265	PN	Pn	23 13 34.1	-0.4
MARZ			AML	AML	23 13 45.1	
MARZ			AML	AML	23 13 45.8	
MAUZ	Maungataniwha	2.53 245	PN	Pn	23 13 36.6	+1.2
OPRZ	Ohinepanea	2.56 268	PN	Pn	23 13 34.9	-0.7
OPRZ	Ohinepanea	2.56 268	PN	Pn	23 13 34.9	-0.7
OPRZ			AML	AML	23 14 04.6	
OPRZ			AML	AML	23 14 07.1	
ARHZ	Aroapanui	2.62 236	PN	Pn	23 13 38.4	+1.9
ARHZ	Aroapanui	2.62 236	ePN	Pn	23 13 38.0	+1.5
ARHZ			AML	AML	23 14 15.8	
ARHZ			AML	AML	23 14 21.8	
TARZ	Mount Tarawera	2.62 260	Pn	Pn	23 13 37.2	+0.5
TARZ	Mount Tarawera	2.62 260	PN	Pn	23 13 37.2	+0.5
TARZ			AML	AML	23 14 09.6	
TARZ			AML	AML	23 14 23.4	
RRRZ	Republican Roa	2.63 258	Pn	Pn	23 13 37.6	+0.9
RRRZ	Republican Roa	2.63 258	AML	AML	23 14 19.0	
RRRZ			AML	AML	23 14 27.0	
RRRZ			AML	AML	23 13 37.8	0.0
OMRZ	Omania	2.71 263	PN	Pn	23 14 16.7	
OMRZ			AML	AML	23 14 17.2	
HLRZ	Highlands Stat	2.74 260	AML	AML	23 13 56.2	
HLRZ			AML	AML	23 14 09.8	
PRRZ	Plateau Road	2.76 255	PN	Pn	23 13 47.0	+2.1
PRRZ	Plateau Road	2.76 255	PN	Pn	23 13 38.4	-0.1
PRRZ			AML	AML	23 14 17.4	
PRRZ			AML	AML	23 14 27.5	
TGRZ	Tauranga	2.79 271	Pn	Pn	23 13 38.2	-0.8
TGRZ	Tauranga	2.79 271	PN	Pn	23 13 38.2	-0.8
TGRZ			AML	AML	23 14 25.0	
TGRZ			AML	AML	23 14 25.0	
CKHZ	Cape Kidnapper	2.80 228	PN	Pn	23 13 40.3	+1.2
CKHZ	Cape Kidnapper	2.80 228	PN	Pn	23 13 40.0	+0.9
CKHZ			SN	Sn	23 14 15.8	+4.1
CKHZ			AML	AML	23 14 27.0	
KARZ	Kaharoa	2.81 265	PN	Pn	23 13 39.1	-0.1
KARZ	Kaharoa	2.81 265	PN	Pn	23 13 38.6	-0.6
KARZ			AML	AML	23 14 11.1	
KARZ			AML	AML	23 14 16.8	
ALRZ	Allen Road	2.81 254	PN	Pn	23 13 39.9	+0.7
AL						



19d Oh

Table with columns: OUR, comp, E, 128um, 0.3s, AML, AML, 00 26 05.3, etc. Lists various stations and their parameters.

MEX 19:00:26.42±0.2, 15°38'N, 93°56'W, h100km, 5km, MD3.8, Near coast of Chiapas

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, etc. Lists stations like PCIG, TGIG, CCIG, etc.

WEL 19:00:30:35.5±0.3, 37°41'S, 179°78'E, h33km, ML3.8/5.3D, Error ellipse: s-maj=4.1km s-min=3.0km az=0.0, Off east coast of North Island

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

WEL 19:00:30:55.0±0.3, 37°42'S, 179°94'E, h33km, ML4.3/38, Error ellipse: s-maj=12.2km s-min=7.1km az=0.0

WEL 19:00:31:04.3±0.4, 34°51'S, 178°48'E, h0km, mb4.0/2, mb1 4.3/2, mb1mx3.9/22, mbtmp4.0/2, MS3.4/2, Ms1 3.3/2, ms1mx2.7/21, Error ellipse: s-maj=236.8km s-min=47.9km az=171.0

ISC 19:00:30:57.0±1.9, 37°65'S, 01°179.9E, h33km, n49, 0588/43, 1C, Off east coast of North Island

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

2011 NOV

Main table with columns: WHRZ, RTZ, EDJRZ, etc. Lists stations like Paritu Road, Rawiri, Mahia Peninsul, etc. with various parameters.

1050

Table with columns: WHRZ, RTZ, EDJRZ, etc. Lists stations like Whale Island, Ruatuhuna, Edgucumbe, etc. with various parameters.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations 1051-1052.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations 2011-2012.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations 19d-19e.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Ruatahunu, Aropoanui, Naumai, Black Stump Fm, etc.

ISCJB 19 00:44:23.9.1.5, 24.07S, 0.04:66.94W, 0.03, h205km, 5km, mb3.4/2, Error ellipse: s-maj=7.4km s-min=4.7km az=21.5

SJA 19 00:44:23.7.0.9.2, 24.07S, 67.17W, h166km, 12km, ML2.5, MW3.2

IDC 19 00:44:23.9.1.5, 23.97S, 66.75W, h191km, 12km, mb3.4/2, mb1.3/4.5, mb1mx3.2/35, mbtmp3.7/5, Error ellipse: s-maj=26.6km s-min=17.9km az=15.0

GUC 19 00:44:24.0.5.2, 23.75S, 67.31W, h242km, 8km, ML4.4

ISC 19 00:44:23.9.0.2, 24.05S, 0.05:66.92W, 0.04, h202km, 7km, n28, r1503/43, 3C-2D, Salta Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SLA, HJA, AZAP, CAFAYETE, FSA, ASB, YJA, LVC, LOMAS DE OLMED, etc.

ACLC CEPRO LA CRUZ 5.35 180 eP Pn 00 45 43.4 +0.5

CPUP Villa Florida 8.97 107 Pn Pn 00 46 28.1 -1.6

BDFB Brasilia 19.63 68 P P 00 48 36.5 -1.0

YORD Torodi Arr Beas 76.52 69 P P 00 55 52.2 +0.1

TAKA Yellowknife Arr 94.20 340 P P 00 57 20.1 +0.9

ASAR Alice Springs 128.44 205 PKP P 01 03 07.8 +0.6

WRA Warramunga Arr 131.61 207 PKP PKP 01 03 14.3 +1.0

ZALV Zalesovo Beam 143.20 28 PKP PKP 01 03 32.9 -0.9

MAR Makanchi Array 146.52 40 PKP P 01 03 41.5 -1.2

SONM Songoing Array 155.68 11 PKP P 01 04 22.4 +1.6

IDC 19 00:52:01.5.1.4, 37.33S, 179.55E, h0km, mb3.6/2, mb1.3/9/3, mb1mx3.7/21, mbtmp3.7/3, ML4.0/1, Error ellipse: s-maj=49.2km s-min=27.8km az=154.0

WEL 19 00:52:03.2.0.4, 37.30S, 179.86E, h33km, ML4.1/3/3, Error ellipse: s-maj=3.9km s-min=3.8km az=90.0

NEIC 19 00:52:03.4.0.0, 37.33S, 179.85E, h33km, ML4.2(WEL), After WEL

ISC 19 00:52:00.0.2.2, 37.58S, 0.06:179.85E, 0.08, h1km, 11km, n93, r1111/105, 2C-1D, Off east coast of North Island

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Paritu Road, Rawiri, Mahia Peninsula, etc.

ISCJB 19 00:57:42.9.1.3, 35.62N, 0.07:141.37E, 0.10, h10km, mb3.5/3, MS3.2/2, Error ellipse: s-maj=11.7km

IDC 19 00:57:42.6.3.0, 35.92N, 141.58E, h0km, mb3.4/3, mb1.3/5.4, mb1mx3.2/2, mbtmp3.3/4, ML2.8/1, MS3.2/2, Ms1.3/2.2, ms1mx2.6/29, Error ellipse: s-maj=88.2km s-min=29.4km az=59.0

JMA 19 00:57:45.0.1.1, 35.63N, 141.24E, h28km, 1km, M2.7

ISC 19 00:57:45.7.1.7, 35.63N, 0.06:141.2E, 0.1, h10km, n9, r113/9, mb3.5/3, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Paritu Road, Rawiri, Mahia Peninsula, etc.

ISCJB 19 00:57:42.9.1.3, 35.62N, 0.07:141.37E, 0.10, h10km, mb3.5/3, MS3.2/2, Error ellipse: s-maj=11.7km

IDC 19 00:57:42.6.3.0, 35.92N, 141.58E, h0km, mb3.4/3, mb1.3/5.4, mb1mx3.2/2, mbtmp3.3/4, ML2.8/1, MS3.2/2, Ms1.3/2.2, ms1mx2.6/29, Error ellipse: s-maj=88.2km s-min=29.4km az=59.0

JMA 19 00:57:45.0.1.1, 35.63N, 141.24E, h28km, 1km, M2.7

ISC 19 00:57:45.7.1.7, 35.63N, 0.06:141.2E, 0.1, h10km, n9, r113/9, mb3.5/3, Near east coast of eastern Honshu

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Waioamatatini S, Matakaoa Point, Puketiti, etc.

ISCJB 19 01:00:49.9.0.5, 32.25N, 0.02:115.30W, 0.03, h14km, 4km, Error ellipse: s-maj=4.2km s-min=3.3km az=140.1

NEIC 19 01:00:51.2.0.0, 32.25N, 115.33W, h5km, ML3.0(ECX), ML3.2(PAS), After ECX

ECX 19 01:00:51.2.0.5, 32.25N, 115.34W, h5km, MD3.0, ML3.2

MOX 19 01:00:52.0.0.5, 32.33N, 115.21W, h18km, 10km, MD3.7

ISX 19 01:00:52.0.0.5, 32.25N, 115.32W, 0.02, h18km, 2km, n38, r065/62, 5C-5D, California-Baja California border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Cerro Prieto, Mexicali, East Mesa, etc.

ISCJB 19 01:00:49.9.0.5, 32.25N, 0.02:115.30W, 0.03, h14km, 4km, Error ellipse: s-maj=4.2km s-min=3.3km az=140.1

NEIC 19 01:00:51.2.0.0, 32.25N, 115.33W, h5km, ML3.0(ECX), ML3.2(PAS), After ECX

ECX 19 01:00:51.2.0.5, 32.25N, 115.34W, h5km, MD3.0, ML3.2

MOX 19 01:00:52.0.0.5, 32.33N, 115.21W, h18km, 10km, MD3.7

ISX 19 01:00:52.0.0.5, 32.25N, 115.32W, 0.02, h18km, 2km, n38, r065/62, 5C-5D, California-Baja California border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Cerro Prieto, Mexicali, East Mesa, etc.

ISK 19 01:04:18.6.38, 48N, 43.22E, h3km, ML2.0

CSEM 19 01:04:19.4.0.2, 38.48N, 43.27E, h5km, ML2.8, Error ellipse: s-maj=4.6km s-min=3.5km az=116.0













DDA 19 02:38:20.8, 38.71N, 43.21E, h7km, ML2.8
CSEM 19 02:38:21.5, 0.2, 38.72N, 43.22E, h2km, ML2.2, Error
ellipse: s-maj=5.2km s-min=4.0km az=80.0
ISK 19 02:38:21.0, 38.69N, 43.28E, h2km, ML2.2
ISC 19 02:38:21.9, 0.9, 38.71N, 0.02, 43.22E, 0.02, h9km, 8km,
n29, r1504/51, Turkey

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists various stations like VANB Van, TVAN Van, ERGIS-VAN, etc.

KRSC 19 02:40:43.6, 10.0, 49.01N, 155.91E, h218km, 10km, ML4.0
SKHL 19 02:40:43.5, 1.4, 48.91N, 155.13E, h95km, 5km, mb4.6/3,
msh4.6/1
MOS 19 02:40:43.6, 0.8, 49.01N, 155.91E, h218km, mb4.2/1, Error
ellipse: s-maj=99.9km s-min=21.9km az=73.5
ISC 19 02:40:44.5, 3.3, 49.1N, 0.03, 155.5E, 0.2, h200km, n21,
r1921/30, Kuril Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like SKR Severo-Kuril's, KDTR Khodutka, etc.

IDC 19 03:36:37.2, 15.0, 171.9S, 178.08W, h601km, 133km,
mb3.0/3, mb1.3, mb1mx2.8/37, mbtm4.0/3, Error
ellipse: s-maj=203.9km s-min=41.1km az=132.0, Fiji
Islands region

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

ISCJB 19 03:46:47.8, 0.4, 19.01N, 102.72W, 0.03,
h115km, 3km, mb4.2/38, Error ellipse: s-maj=5.8km,
s-min=3.8km az=39.9

MEX 19 03:46:48.5, 0.8, 19.01N, 102.90W, h92km, 6km, MD4.1
IDC 19 03:46:48.2, 1.8, 19.12N, 102.93W, h99km, 7km, mb3.8/10,
mb1.3, mb1mx3.7/46, mbtm4.1/13, MS3.0/7,
Ms1.3, ms1mx2.8/35, Error ellipse: s-maj=46.2km
s-min=15.7km az=42.0

NEIC 19 03:46:50.2, 0.0, 19.01N, 102.87W, h60km, mb4.4/68,
MD4.3(MEX), After MEX

ISC 19 03:46:47.1, 0.5, 16.97N, 102.90W, 0.03, h99km, 4km,
n393, r1905/416, mb4.3/39, Michoacan

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

Table with columns: URUA Uruapan, URUA Uruapan, R15V R15V, etc. Lists stations from Uruapan to Uruapan.

Table with columns: WHTX Lake Whitney, WHTX Lake Whitney, WHTX Lake Whitney, etc. Lists stations from Lake Whitney to Lake Whitney.

Table with columns: WHTX Lake Whitney, WHTX Lake Whitney, WHTX Lake Whitney, etc. Lists stations from Lake Whitney to Lake Whitney.

Table with columns: Z40A Long Farm, Mag, Y38A Idabel, 344A Westbrook Farm, etc. Lists stations from Long Farm to Long Farm.

T37A	Cheneyville 18	19.39	20	P	P	03 51 04.6	-0.7
Z47A	Carrollton	19.42	40	P	P	03 51 06.2	+0.7
Y46A	Houston	19.43	37	P	Pn	03 51 09.5	+1.7
U40A	Yellville	19.45	25	P	P	03 51 05.6	-0.3
S35A	Otter Creek Ra	19.51	16	P	P	03 51 06.0	-0.5
T38A	Diamond	19.52	21	P	P	03 51 06.3	-0.4
X45A	UM Field Stati	19.53	35	P	Pn	03 51 08.8	-0.2
OXF	Oxford	19.59	35	eP	P	03 51 07.4	0.0
V42A	Cord	19.61	29	P	P	03 51 07.2	-0.5
S36A	Lake Cedric, C	19.75	17	P	P	03 51 08.6	-0.5
U41A	Viola	19.83	27	P	P	03 51 09.7	-0.3
T39A	Cleaver	19.83	23	P	P	03 51 09.5	-0.5
Z48A	Northport	19.85	41	P	P	03 51 09.9	-0.4
R34A	Isabella, Hill	19.88	13	P	P	03 51 10.3	-0.2
CBKS	Cedar Bluff	19.96	7	P	P	03 51 11.3	-0.2
CBKS	Cedar Bluff	19.96	7	eP	P	03 51 11.7	+0.2
KSCO	Kaye Shedlock	19.97	1	eP	P	03 51 12.6	+1.0
KSCO	Kaye Shedlock	19.97	1	eP	P	03 51 11.5	-0.2
LRAL	Lakeview Retre	19.98	42	eP	P	03 51 11.6	0.0
S37A	Fort Scott	20.01	19	P	P	03 51 11.2	-0.7
Q24A	Divide	20.02	355	P	P	03 51 13.4	+1.0
Y47A	UCPARC, Winfie	20.04	39	P	P	03 51 11.8	-0.4
U42A	Reverend	20.13	28	P	P	03 51 13.4	+0.2
R35A	Emporia Munci	20.15	15	P	P	03 51 12.9	-0.5
S38A	Stockton	20.19	21	P	P	03 51 13.4	-0.5
W45A	Hickory Valley	20.19	34	P	P	03 51 13.7	-0.2
T40A	Mansfield	20.27	25	P	P	03 51 14.2	-0.6
R36A	Gordon, Harris	20.33	17	P	P	03 51 14.6	-0.8
S39A	Bolivar	20.45	22	P	P	03 51 15.9	-0.8
T41A	Mountain View	20.49	26	P	P	03 51 16.6	-0.5
R37A	Teagarden Farm	20.52	18	P	P	03 51 16.9	-0.5
SHPR	Sheep Range	20.53	331	eP	P	03 51 18.8	+1.1
U43A	Rector	20.53	30	P	Pn	03 51 19.2	-1.4
Q34A	Chapman	20.55	13	P	P	03 51 17.5	-0.2
MTPU	Mount Pierson	20.66	339	eP	P	03 51 19.3	0.0
S40A	Lebanon	20.67	24	P	P	03 51 18.4	-0.7
PLAL	Pickwick Lake	20.67	37	eP	P	03 51 17.6	-1.5
R38A	Fenwick Farm,	20.69	20	P	P	03 51 18.7	-0.6
Q35A	Mercer	20.70	15	P	P	03 51 19.1	-0.2
V45A	Humboldt	20.76	34	P	P	03 51 21.5	+1.5
T42A	Van Buren	20.76	28	P	P	03 51 19.9	-0.1
KSU1	Kansas State U	20.79	14	eP	P	03 51 20.2	-0.1
BLG	Laguna Peak, P	20.85	320	P	Pn	03 51 25.3	+0.9
ISCO	Idaho Springs	20.89	354	P	P	03 51 23.1	+1.4
ISCO	Idaho Springs	20.89	354	eP	P	03 51 23.1	+1.4
S41A	Jillco Farms,	20.96	25	P	P	03 51 21.1	-1.1
LRMC	Laurel Mtn Rad	21.01	324	P	P	03 51 24.1	+1.2
MSU	Marysvalle	21.08	339	eP	P	03 51 25.6	+1.9
PARMO	Parma	21.08	31	eP	P	03 51 22.1	-1.3
R39A	Chumby, Stover	21.10	22	P	P	03 51 23.3	-0.4
Q37A	Longview Farm,	21.15	19	P	P	03 51 24.0	-0.2
T43A	Greenville	21.17	29	P	P	03 51 23.7	-0.7
P34A	Walnut Farm, R	21.17	13	P	P	03 51 24.3	-0.1
MPMC	Manual Prospec	21.34	326	P	P	03 51 27.7	+1.3
R40A	Duane Minner,	21.34	15	P	P	03 51 25.3	-0.9
T44A	Maddies Statio	21.36	23	P	P	03 51 25.5	-1.0
R41A	Tifton	21.39	51	P	P	03 51 24.9	-1.9
Q38A	Cooks Store, C	21.49	20	P	P	03 51 27.1	-0.7
T44A	Benton	21.50	30	P	P	03 51 27.0	-0.8
S42A	Caledonia	21.51	27	P	P	03 51 27.1	-1.0
O33A	Dallas	21.53	11	P	P	03 51 27.8	-0.4
DAC	Darwin (Calif)	21.56	326	eP	P	03 51 31.3	+2.6
CCM	Cathedral Cave	21.57	26	eP	P	03 51 27.6	-1.0
ISA	Isabella, Lake	21.58	324	P	P	03 51 30.4	+1.5
ISA	Isabella, Lake	21.58	324	eP	P	03 51 30.8	+1.9
P36A	Good Intent, A	21.63	16	P	P	03 51 29.1	-0.2
WVT	Waverly	21.65	35	eP	P	03 51 29.5	0.0
S43A	Fulton Ridge,	21.66	29	P	P	03 51 28.4	-1.3
R41A	Rosebud	21.72	25	P	P	03 51 29.5	-0.8
Q39A	Willow Grove F	21.78	21	P	P	03 51 30.0	-0.9
O34A	Beatrice	21.81	13	P	P	03 51 30.4	-0.8
P37A	Lathrop	21.84	18	P	P	03 51 31.4	-0.1
FVM	French Village	21.85	27	eP	P	03 51 30.4	-1.3
CWC	Cottonwood Cre	21.94	326	P	P	03 51 34.3	+1.6
R42A	Luebbering	21.94	26	P	P	03 51 31.0	-1.6
N23A	Red Feather La	22.01	354	P	P	03 51 34.5	+0.9
Q40A	Laux Farm, Aux	22.05	23	P	P	03 51 32.7	-1.1
VES	Vestal, Richgr	22.05	323	P	P	03 51 35.9	+2.1
O35A	Humboldt	22.06	14	P	P	03 51 33.1	-0.7
P38A	Dawn	22.12	20	P	P	03 51 34.3	-0.2
S44A	Carbondale	22.14	30	P	P	03 51 33.9	-0.8
R11A	Troy Canyon, C	22.24	333	P	P	03 51 37.7	+1.7
R11A	Troy Canyon, C	22.24	333	eP	P	03 51 37.2	+1.2
P39B	Salisbury	22.25	21	P	P	03 51 34.7	-1.1

R43A	Red Bud	22.31	28	P	P	03 51 35.4	-1.1
Q41A	Truxton	22.34	25	P	P	03 51 35.7	-1.1
O37A	Wolven Farm, M	22.43	18	P	P	03 51 36.6	-1.2
S45A	Carrier Mills	22.45	31	P	P	03 51 37.4	-0.5
N34A	Lincoln	22.48	13	P	P	03 51 37.4	-0.8
P40A	Paris	22.54	22	P	P	03 51 37.5	-1.4
GOGA	Godfrey	22.55	47	eP	P	03 51 36.8	-2.2
Q42A	Golden Eagle	22.59	26	P	P	03 51 38.4	-1.0
O38A	Gal	22.59	19	P	P	03 51 37.8	-1.6
R44A	Waltonville	22.67	29	P	P	03 51 39.6	-0.6
N35A	Tabor	22.69	14	P	P	03 51 39.9	-0.9
BGNE	Belgrade	22.73	9	eP	P	03 51 40.0	-0.8
BGNE	Belgrade	22.73	9	eP	P	03 51 40.2	-0.6
DUG	Dugway, Tooele	22.81	340	eP	P	03 51 42.0	+0.3
N36A	Muff Farm, Cla	22.82	16	P	P	03 51 40.5	-1.1
RWWV	Rackwain	22.94	352	eP	P	03 51 43.9	+0.7
N37A	Lee Faris, Mou	22.96	17	P	P	03 51 42.0	-1.1
Q43A	New Douglas	22.96	27	P	P	03 51 42.3	-0.8
O39A	Kirkville	23.01	21	P	P	03 51 42.7	-0.9
P41A	Barry, Barry	23.03	24	P	P	03 51 42.5	-1.2
M33A	Taylor Creek F	23.05	11	P	P	03 51 43.4	-0.6
R45A	Skyilar, Fairri	23.08	30	P	P	03 51 43.2	-1.0
M34A	Aspy Farms, Fr	23.10	12	P	P	03 51 43.8	-0.6
O40A	La Belle	23.12	22	P	P	03 51 43.6	-1.0
USIN	University of	23.13	32	eP	P	03 51 44.0	-0.7
Q44A	Meyer Farm, Va	23.23	28	P	P	03 51 44.9	-0.7
P42A	Winchester	23.23	25	P	P	03 51 44.7	-1.0
N38A	Joes South For	23.28	19	P	P	03 51 45.2	-0.9
R46A	Gibson Southern	23.40	32	P	P	03 51 46.4	-0.8
M36A	Felix, Anita	23.45	15	P	P	03 51 47.2	-0.5
O41A	Passleys Farm,	23.48	24	P	P	03 51 47.0	-0.9
OLIL	Olney	23.52	30	eP	P	03 51 47.5	-0.7
N39A	Derby Farms, D	23.59	20	P	P	03 51 48.3	-0.6
L34A	Ovesen Farm,	23.59	12	P	P	03 51 49.0	+0.1
M37A	Trindle Farm,	23.60	17	P	P	03 51 48.5	-0.6
L33A	Hoskins	23.61	10	P	P	03 51 49.3	+0.2
P43A	Skaggs, Pawnee	23.62	26	P	P	03 51 48.7	-0.5
TKL	Tuckaleechee C	23.70	42	eP	P	03 51 49.0	-1.0
TKL	Tuckaleechee C	23.70	42	eP	P	03 51 49.1	-0.9
HWUT	Hardware Ranch	23.74	344	eP	P	03 51 50.6	+0.1
K22A	Casper	23.81	353	P	P	03 51 51.3	+0.2
K22A	Casper	23.81	353	eP	P	03 51 51.4	+0.4
BG3	Lake Jocassee	23.83	44	eP	P	03 51 50.5	-0.6
K31A	O'Neil	23.84	8	P	P	03 51 52.3	+1.1
HODGE	Hodges	23.84	46	eP	P	03 51 50.6	-0.6
O42A	Bath	23.86	25	P	P	03 51 50.8	-0.7
M38A	Pleasantville	23.86	18	P	P	03 51 50.7	-0.6
P44A	Sand Creek, Wi	23.87	28	P	P	03 51 50.9	-0.5
N40A	Mertquake, Sal	23.90	22	P	P	03 51 50.7	-1.0
K32A	Verdige	23.98	9	P	P	03 51 53.1	+0.7
W41	Harden Midland	24.01	23	P	P	03 51 51.7	-0.9
N41	Wyandotte Cave	24.03	34	eP	P	03 51 52.0	-0.9
Q46A	CEJHS Indians,	24.10	31	P	P	03 51 53.4	-0.1
M39A	Webster	24.23	20	P	P	03 51 54.5	-0.2
O43A	Sugar Creek Fa	24.25	26	P	P	03 51 54.5	-0.4
P45A	Graceland, Pa	24.32	29	P	P	03 51 54.9	-0.6
K34A	Le Mars	24.34	12	P	P	03 51 55.6	0.0
L37A	Phoenix Point,	24.36	17	P	P	03 51 55.4	-0.4
BW06	Boulder Array	24.38	348	P	P	03 51 57.1	+0.8
PDAR	Pinedale Array	24.38	348	P	P	03 51 56.2	-0.1
PDAR	Pinedale Array	24.38	348	eP	P	03 52 18.0	+0.1
PDAR	Pinedale Array	24.38	348	eP	P	03 52 29.4	-0.5
PDAR	Pinedale Array	24.38	348	eP	P	03 51 56.9	+0.6
PDAR	Pinedale Array	24.38	348	eP	P	03 52 18.0	+0.1
PDAR	Pinedale Array	24.38	348	eP	P	03 52 18.0	+0.1
M40A	Post Highland	24.39	21	P	P	03 51 55.4	-0.7
N42A	Yates City	24.42	24	P	P	03 51 56.2	-0.1
HDIL	Hopedale	24.48	26	P	P	03 51 56.4	-0.5
HDIL	Hopedale	24.48	26	eP	P	03 51 56.5	-0.5
Q47A	Bedord North L	24.50	32	P	P	03 51 56.1	-1.0
O44A	Mansfield	24.50	27	P	P	03 51 56.7	-0.4
J31A	Geddes	24.50	7	P	P	03 51 56.9	-0.2
K35A	Storm Lake	24.55	14	P	P	03 51 57.3	-0.3
L38A	Oak Wood Farm,	24.60	18	P	P	03 51 57.4	-0.6
BLO	Bloomington	24.63	32	eP	P	03 51 57.7	-0.6
P46A	Rosedale	24.64	30	P	P	03 51 57.5	-0.9
K36A	Gilmore City	24.66	15	P	P	03 51 58.2	-0.4
BMN	Battle Mountai	24.68	333	eP	P	03 52 00.3	+1.4
J32A	Parkston	24.70	9	P	P	03 51 59.3	+0.4
M41A	Milan	24.70	23	P	P	03 51 58.2	-0.7
J33A	Davis	24.79	10	P	P	03 52 00.0	+0.3
N43A	Stutzman Famil	24.86	25	P	P	03 51 59.8	-0.5
L39A	Vinton	24.87	20	P	P	03 52 00.3	-0.2
O45A	Potomac	24.91	28	P	P	03 52 00.0	-0.8
J34A	George	24.94	12	P	P	03 52 01.8	+0.6

baz=196	KMSC Kings Mountain	24.98	46	P	P	03 52 00.3	-1.3
baz=235	KMSC Kings Mountain	24.98	46	eP	P	03 52 00.4	-1.2
b							

19d 5h

0.3m,0.7s,baz=150,slow=9.6,SNR=2.5
WRA Warramunga Arr 57.34 137 P 04 00 07.2 +0.1
ASAR Alice Springs 59.91 140 P 04 00 24.8 -0.2

IDC 19 04:17:46.9.9.4,32.98S~178.95W,h260km,101km,
mb3.0/2,mb1 3.2/3,mb1mx3.0/20,mbtmp3.6/3,Error
ellipse: s-maj=115.1km s-min=50.4km az=178.0,South
of Kermadec Islands

WEL 19 04:33:10.3.1.0,37.48S~179.73E,h122km,ML3.9/22,
2C-1D,Error ellipse: s-maj=3.4km s-min=2.9km az=0.0,
Off east coast of North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Waioamatatini S, Matakaoa Point, Puketiti, Pakihiroa, Carnagh Statio, Te Kaha, Urewera, etc.

MEX 19 04:39:24.1.0.4,18'03N-99'66W,h57km,3km,MD3.5,
Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Mezcala, Platanillo, Puento Sto Nin, etc.

ISCJB 19 04:46:41.4.1.2,8.8S:0.2x150.2E:0.1,h100km,mb3.6/4,
Error ellipse: s-maj=33.2km s-min=13.7km az=157.1

IDC 19 04:46:45.8.4.8,8.67S:149.93E,h102km,35km,mb3.3/4,
mb1 3.4/6,mb1mx3.2/21,mbtmp3.6/6,MS2.4/1,Ms1 2.4/1,
ms1mx2.2/14,Error ellipse: s-maj=56.8km s-min=28.0km
az=122.0

ISC 19 04:46:43.7.1.4,8.75S:0.3x150.1E:0.2,h100km,n7,
r145/8,mb3.5/4,Eastern New Guinea region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Port Moresby, Warramunga Arr, Alice Springs, etc.

IDC 19 04:59:58.2.3.2,5.58S:146.89E,h0km,mb3.5/2,
mb1 3.7/4,mb1mx3.4/31,mbtmp3.5/4,ML2.8/2,Error

2011 NOV

ellipse: s-maj=49.5km s-min=41.2km az=162.0,Eastern
New Guinea region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Port Moresby, Warramunga Arr, Alice Springs, etc.

IDC 19 05:00:58.8.1.4,3.04S:129.89E,h0km,mb3.8/5,
mb1 4.0/7,mb1mx3.0/39,mbtmp3.0/7,ML3.9/2,Error
ellipse: s-maj=110.6km s-min=18.8km az=73.0

ISCJB 19 05:01:01.5.0.5,3.07S:0.05x129.85E:0.04,h25km,
mb3.7/4,Error ellipse: s-maj=6.9km s-min=5.2km az=7.1

DJA 19 05:01:03.4.1.1,3.3S:3x13.0E:1,h20km,8km,ML4.1/6,
MLV4.1/6

ISC 19 05:01:02.6.0.7,3.05S:0.05x129.86E:0.04,h25km,n15,
c29.29/24,mb3.7/4,Seram

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Masohi, Bandanaira, Ambon, Fakfak, Namlea, Labuha, Ransiki, etc.

ISK 19 05:02:28.3.38.78N:43.46E,h5km,ML2.5
CSEM 19 05:02:29.5.0.2,38.77N:43.52E,h10km,ML2.5,Error
ellipse: s-maj=6.4km s-min=4.3km az=85.0

DDA 19 05:02:29.4.38.75N:43.51E,h7km,ML2.5
ISCJB 19 05:02:30.1.0.9,38.78N:0.02x43.53E:0.03,h17km,6km,
n25,c19.16/46,Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Van-Muradiye, Baskale VAN, Baskale VAN, etc.

NNC 19 05:05:08.2.2.1,54.52N:86.18E,h0km,mb3.9,mpv3.2,
7C-4D,Error ellipse: s-maj=34.5km s-min=10.4km
az=151.0,Southwestern Siberia

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

MEX 19 05:12:14.3.0.5,14.91N:93.18W,h44km,13km,MD3.8,
Near coast of Chiapas

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

IDC 19 05:13:28.8.9.6,55.59N:85.47E,h0km,Error ellipse:
s-maj=53.1km s-min=32.6km az=13.0,Western
Siberia

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

ATA 19 05:10:36.3.1.3,38.86N:43.55E,h0km,999km,MD4.1,
ML3.3,MV4.2
ISK 19 05:10:36.5.38.89N:43.56E,h5km,MD2.8
CSEA 19 05:10:37.6.0.2,38.87N:43.58E,h5km,ML3.1,Error

1060

ellipse: s-maj=4.9km s-min=3.5km az=105.0
DDA 19 05:10:37.4.38.85N:43.55E,h7km,ML3.1
ISCJB 19 05:10:38.0.0.5,38.87N:0.02x43.60E:0.04,h7km,4km,
Error ellipse: s-maj=5.7km s-min=3.5km az=17.3

ISC 19 05:10:37.8.0.9,38.87N:0.02x43.57E:0.03,h9km,6km,
n36,c076/59,Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Van-Muradiye, Van, Caldiran, etc.

ISC 19 05:11:05.6.0.38.88N:0.04x43.80E:0.06,h10km,5km,
Error ellipse: s-maj=8.7km s-min=5.6km az=17.8

CSEM 19 05:11:05.4.0.38.88N:43.79E,h2km,ML3.0,Error
ellipse: s-maj=8.5km s-min=4.6km az=111.0

ISK 19 05:11:05.0.38.86N:43.78E,h4km,ML3.1
DDA 19 05:11:05.2.38.86N:43.80E,h7km,ML3.0
ISC 19 05:11:05.9.1.0,38.88N:0.03x43.78E:0.04,h10km,8km,
n24,c092/37,Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Van-Muradiye, Van, Caldiran, etc.

CUKT Cukurca 1.62 179 ePn Pb 05 11 07.8 -0.2
SENK Senkaya-Erzuru 1.93 331 ePn Pb 05 11 12.1 -1.2

ISCJB 19 05:11:05.9.1.0,38.88N:0.03x43.78E:0.04,h10km,8km,
n24,c092/37,Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Van-Muradiye, Van, Caldiran, etc.

MEX 19 05:12:14.3.0.5,14.91N:93.18W,h44km,13km,MD3.8,
Near coast of Chiapas

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

IDC 19 05:13:28.8.9.6,55.59N:85.47E,h0km,Error ellipse:
s-maj=53.1km s-min=32.6km az=13.0,Western
Siberia

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

ZAAO Zalesovo Array 0.98 235 fPn Pg 05 05 26.8 -0.2

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

IDC 19 05:13:28.8.9.6,55.59N:85.47E,h0km,Error ellipse:
s-maj=53.1km s-min=32.6km az=13.0,Western
Siberia

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

ZAAO Zalesovo Array 0.98 235 fPn Pg 05 05 26.8 -0.2

KRSC 19 05:35:02.10.0.53:50N;161.29E,h47km,m4,M4.4, Error ellipse: s-maj=8.4km s-min=4.7km az=83.9  
 MOS 19 05:35:02.40.7.53:51N;161.19E,h44km,m4,ML3.4, Error ellipse: s-maj=8.4km s-min=4.7km az=83.9  
 IDC 19 05:35:11.8.2.4.53:74N;159.90E,h95km,20km,mb3.4/8, mb1 3.6/8, mb1mx3.3/43, mbttmp3.7/8, MS2.8/1, Ms1 2.8/1, ms1mx2.4/34, Error ellipse: s-maj=29.1km s-min=19.5km az=99.0

ISC 19 05:34:58.7.1.3.53:68N;0.03:161.18E;0.04,h10km,8km, pns3,r101/142,mb3.9/8, Off east coast of Kamchatka Peninsula

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
SPN	Mys Shipunski	0.90	231	Op	ISC	05 35 17.3	-0.1
SPN	Mys Shipunski	0.90	231	S	Sg	05 35 27.8	0.0
SPN	Mys Shipunski	0.90	231	Pn	Pn	05 35 27.8	-0.1
SPN	Mys Shipunski	0.90	231	S	Sg	05 35 27.8	0.0
KIL	Karymskiy	1.09	290	Pn	Pn	05 35 21.4	+1.4
KIL	Karymskiy	1.09	290	S	Sg	05 35 21.4	+1.4
NLC	Nalytchevo	1.21	246	Pn	Pn	05 35 22.0	+0.4
NLC	Nalytchevo	1.21	246	S	Sg	05 35 22.0	+0.4
NLC	Nalytchevo	1.21	246	Sb	Sb	05 35 22.0	+0.4
SDLR	Sedlovina	1.43	255	Pn	Pn	05 35 25.9	+0.4
SDLR	Sedlovina	1.43	255	S	Sg	05 35 25.9	+0.4
SDLR	Sedlovina	1.43	255	Sb	Sb	05 35 25.9	+0.4
SDLR	Sedlovina	1.43	255	S	Sg	05 35 25.9	+0.4
UGLVR	Uglovaya	1.48	253	Pn	Pn	05 35 26.9	+0.5
UGLVR	Uglovaya	1.48	253	S	Sg	05 35 26.9	+0.5
UGLVR	Uglovaya	1.48	253	Sb	Sb	05 35 26.9	+0.5
UGLVR	Uglovaya	1.48	253	S	Sg	05 35 26.9	+0.5
KRER	Koryakskii	1.50	257	Pn	Pn	05 35 27.4	-0.1
KRER	Koryakskii	1.50	257	S	Sg	05 35 27.4	-0.1
KRER	Koryakskii	1.50	257	Sb	Sb	05 35 27.4	-0.1
KRER	Koryakskii	1.50	257	S	Sg	05 35 27.4	-0.1
AVH	Avacha	1.52	255	Pn	Pn	05 35 27.5	+0.6
AVH	Avacha	1.52	255	S	Sg	05 35 27.5	+0.6
AVH	Avacha	1.52	255	Sb	Sb	05 35 27.5	+0.6
AVH	Avacha	1.52	255	S	Sg	05 35 27.5	+0.6
KZV	Kizimen	1.53	341	Pn	Pn	05 35 29.1	+2.2
KZV	Kizimen	1.53	341	S	Sg	05 35 29.1	+2.2
KZV	Kizimen	1.53	341	Sb	Sb	05 35 29.1	+2.2
KZV	Kizimen	1.53	341	S	Sg	05 35 29.1	+2.2
KRX	Arik	1.54	259	Pn	Pn	05 35 27.4	0.0
KRX	Arik	1.54	259	S	Sg	05 35 27.4	0.0
KRX	Arik	1.54	259	Sb	Sb	05 35 27.4	0.0
KRX	Arik	1.54	259	S	Sg	05 35 27.4	0.0
KOK	Koryaka	1.57	257	Pn	Pn	05 35 28.1	+0.3
KOK	Koryaka	1.57	257	S	Sg	05 35 28.1	+0.3
KOK	Koryaka	1.57	257	Sb	Sb	05 35 28.1	+0.3
KOK	Koryaka	1.57	257	S	Sg	05 35 28.1	+0.3
DALK	Dalny	1.59	247	Pn	Pn	05 35 27.7	+0.9
DALK	Dalny	1.59	247	S	Sg	05 35 27.7	+0.9
DALK	Dalny	1.59	247	Sb	Sb	05 35 27.7	+0.9
DALK	Dalny	1.59	247	S	Sg	05 35 27.7	+0.9
TUMD	Tumrok D	1.60	344	Pn	Pn	05 35 30.2	+0.9
TUMD	Tumrok D	1.60	344	S	Sg	05 35 30.2	+0.9
TUMD	Tumrok D	1.60	344	Sb	Sb	05 35 30.2	+0.9
TUMD	Tumrok D	1.60	344	S	Sg	05 35 30.2	+0.9
PET	Petropavlovsk	1.65	248	Pn	Pn	05 35 28.7	-0.4
PET	Petropavlovsk	1.65	248	S	Sg	05 35 28.7	-0.4
PET	Petropavlovsk	1.65	248	Sb	Sb	05 35 28.7	-0.4
PET	Petropavlovsk	1.65	248	S	Sg	05 35 28.7	-0.4
TUMR	Tumrok	1.72	340	Pn	Pn	05 35 30.2	+0.9
TUMR	Tumrok	1.72	340	S	Sg	05 35 30.2	+0.9
TUMR	Tumrok	1.72	340	Sb	Sb	05 35 30.2	+0.9
TUMR	Tumrok	1.72	340	S	Sg	05 35 30.2	+0.9
GNL	Ganally	1.92	272	Pn	Pn	05 35 34.1	+0.2
GNL	Ganally	1.92	272	S	Sg	05 35 34.1	+0.2
GNL	Ganally	1.92	272	Sb	Sb	05 35 34.1	+0.2
GNL	Ganally	1.92	272	S	Sg	05 35 34.1	+0.2
RUS	Russkaya	2.03	233	Pn	Pn	05 35 33.2	+0.3
RUS	Russkaya	2.03	233	S	Sg	05 35 33.2	+0.3
RUS	Russkaya	2.03	233	Sb	Sb	05 35 33.2	+0.3
RUS	Russkaya	2.03	233	S	Sg	05 35 33.2	+0.3
KMNRR	Kamenistaya	2.15	346	Pn	Pn	05 35 40.0	0.0
KMNRR	Kamenistaya	2.15	346	S	Sg	05 35 40.0	0.0
KMNRR	Kamenistaya	2.15	346	Sb	Sb	05 35 40.0	0.0
KMNRR	Kamenistaya	2.15	346	S	Sg	05 35 40.0	0.0
PETK	Petropavlovsk-30nm,0.3s,baz=78,slow=20,SNR=67.1	2.16	256	Pn	Pn	05 35 36.8	-1.1
PETK	Petropavlovsk-30nm,0.3s,baz=78,slow=20,SNR=67.1	2.16	256	S	Sg	05 35 36.8	-1.1
PETK	Petropavlovsk-30nm,0.3s,baz=78,slow=20,SNR=67.1	2.16	256	Sb	Sb	05 35 36.8	-1.1
PETK	Petropavlovsk-30nm,0.3s,baz=78,slow=20,SNR=67.1	2.16	256	S	Sg	05 35 36.8	-1.1
PETK	comp=Z,76nm,19.1s,baz=70,slow=93	2.17	238	Pn	Pn	05 35 36.0	+1.1
PETK	comp=Z,76nm,19.1s,baz=70,slow=93	2.17	238	S	Sg	05 35 36.0	+1.1
PETK	comp=Z,76nm,19.1s,baz=70,slow=93	2.17	238	Sb	Sb	05 35 36.0	+1.1
PETK	comp=Z,76nm,19.1s,baz=70,slow=93	2.17	238	S	Sg	05 35 36.0	+1.1
MTRV	Mutnovka	2.17	238	Pn	Pn	05 35 36.0	+1.1
MTRV	Mutnovka	2.17	238	S	Sg	05 35 36.0	+1.1
MTRV	Mutnovka	2.17	238	Sb	Sb	05 35 36.0	+1.1
MTRV	Mutnovka	2.17	238	S	Sg	05 35 36.0	+1.1
GRL	Gorelyy	2.18	240	Pn	Pn	05 35 37.7	-0.6
GRL	Gorelyy	2.18	240	S	Sg	05 35 37.7	-0.6
GRL	Gorelyy	2.18	240	Sb	Sb	05 35 37.7	-0.6
GRL	Gorelyy	2.18	240	S	Sg	05 35 37.7	-0.6
BZMR	Bezmyannaya	2.30	350	Pn	Pn	05 35 42.0	-0.8
BZMR	Bezmyannaya	2.30	350	S	Sg	05 35 42.0	-0.8
BZMR	Bezmyannaya	2.30	350	Sb	Sb	05 35 42.0	-0.8
BZMR	Bezmyannaya	2.30	350	S	Sg	05 35 42.0	-0.8
KIRR	Kirishev	2.33	348	Pn	Pn	05 35 42.4	-1.0
KIRR	Kirishev	2.33	348	S	Sg	05 35 42.4	-1.0
KIRR	Kirishev	2.33	348	Sb	Sb	05 35 42.4	-1.0
KIRR	Kirishev	2.33	348	S	Sg	05 35 42.4	-1.0
ZLN	Zelenaya	2.36	355	Pn	Pn	05 35 42.8	-1.1
ZLN	Zelenaya	2.36	355	S	Sg	05 35 42.8	-1.1
ZLN	Zelenaya	2.36	355	Sb	Sb	05 35 42.8	-1.1
ZLN	Zelenaya	2.36	355	S	Sg	05 35 42.8	-1.1
KPT	Kopyto	2.36	347	Pn	Pn	05 35 42.5	+1.2
KPT	Kopyto	2.36	347	S	Sg	05 35 42.5	+1.2
KPT	Kopyto	2.36	347	Sb	Sb	05 35 42.5	+1.2
KPT	Kopyto	2.36	347	S	Sg	05 35 42.5	+1.2
ASAK	Asacha	2.37	238	Pn	Pn	05 35 39.4	+1.8
ASAK	Asacha	2.37	238	S	Sg	05 35 39.4	+1.8
ASAK	Asacha	2.37	238	Sb	Sb	05 35 39.4	+1.8
ASAK	Asacha	2.37	238	S	Sg	05 35 39.4	+1.8
LGNR	Loginova	2.43	354	Pn	Pn	05 35 44.4	-0.9
LGNR	Loginova	2.43	354	S	Sg	05 35 44.4	-0.9
LGNR	Loginova	2.43	354	Sb	Sb	05 35 44.4	-0.9
LGNR	Loginova	2.43	354	S	Sg	05 35 44.4	-0.9
CIRR	Csir	2.46	354	Pn	Pn	05 35 44.3	+1.3
CIRR	Csir	2.46	354	S	Sg	05 35 44.3	+1.3
CIRR	Csir	2.46	354	Sb	Sb	05 35 44.3	+1.3
CIRR	Csir	2.46	354	S	Sg	05 35 44.3	+1.3
CIRR	Csir	2.46	354	S	Sg	05 35 44.3	+1.3
COZY	Kozyrevsk	2.50	343	Pn	Pn	05 35 44.3	+0.6
COZY	Kozyrevsk	2.50	343	S	Sg	05 35 44.3	+0.6
COZY	Kozyrevsk	2.50	343	Sb	Sb	05 35 44.3	+0.6
COZY	Kozyrevsk	2.50	343	S	Sg	05 35 44.3	+0.6
APC	Apacha	2.53	254	Pn	Pn	05 35 42.6	-1.5
APC	Apacha	2.53	254	S	Sg	05 35 42.6	-1.5
APC	Apacha	2.53	254	Sb	Sb	05 35 42.6	-1.5
APC	Apacha	2.53	254	S	Sg	05 35 42.6	-1.5
KRSTR	Krestovskiy	2.57	352	Pn	Pn	05 35 45.4	+0.5
KRSTR	Krestovskiy	2.57	352	S	Sg	05 35 45.4	+0.5
KRSTR	Krestovskiy	2.57	352	Sb	Sb	05 35 45.4	+0.5
KRSTR	Krestovskiy	2.57	352	S	Sg	05 35 45.4	+0.5
KRSTR	Krestovskiy	2.57	352	S	Sg	05 35 45.4	+0.5
KDTR	Khodutka, Kamc	2.66	226	Pn	Pn	05 35 16.6	0.0
KDTR	Khodutka, Kamc	2.66	226	S	Sg	05 35 16.6	0.0
KDTR	Khodutka, Kamc	2.66	226	Sb	Sb	05 35 16.6	0.0
KDTR	Khodutka, Kamc	2.66	226	S	Sg	05 35 16.6	0.0
KLY	Klyuchi	2.66	354	Pn	Pn	05 35 46.4	0.0
KLY	Klyuchi	2.66	354	S	Sg	05 35 46.4	0.0
KLY	Klyuchi	2.66	354	Sb	Sb	05 35 46.4	0.0
KLY	Klyuchi	2.66	354	S	Sg	05 35 46.4	0.0
ESO	Esso	2.67	329	Pn	Pn	05 35 45.5	-1.1
ESO	Esso	2.67	329	S	Sg	05 35 45.5	-1.1
ESO	Esso	2.67	329	Sb	Sb	05 35 45.5	-1.1
ESO	Esso	2.67	329	S	Sg	05 35 45.5	-1.1
KBTR	Krutoberegovo	2.71	20	Pn	Pn	05 35 47.2	-0.5
KBTR	Krutoberegovo	2.71	20	S	Sg	05 35 47.2	-0.5
KBTR	Krutoberegovo	2.71	20	Sb	Sb	05 35 47.2	-0.5
KBTR	Krutoberegovo	2.71	20	S	Sg	05 35 47.2	-0.5
KBG	Krutoberegovo	2.73	18	Pn	Pn	05 35 20.6	-0.4
KBG	Krutoberegovo	2.73	18	S	Sg	05 35 20.6	-0.4
KBG	Krutoberegovo	2.73	18	Sb	Sb	05 35 20.6	

























19d 11h

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like DGAR, H0S3S, HYB, HYB, HYB, etc.

2011 NOV

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like WMQ, WMQ, WMQ, MK01, MK01, MK01, etc.

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Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like ADH, PSET, PSET, PSET, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EKAR Karacoban, AGRB Hanur-Agry, VANB Van, GEVA Gevas, etc.

IDC 19 12:07:14.9,2.3,21.10S:68.54E,h0km,mb3.8/9, mb1 3.9/9,mb1mx3.6/36,mbtmp3.8/9,MS3.5/10, Ms1 3.5/10,ms1mx3.2/39,Error ellipse: s-maj=74.3km s-min=25.1km az=43.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PALK Pallekele, KMBO Kilima Bongo, BOSA Bosof, MAW Mawson, CMAR Chiang Mai Arr, etc.

IDC 19 12:20:9.2,2,14.65S:65.69E,h0km,mb3.6/5, mb1 3.8/5,mb1mx3.5/36,mbtmp3.6/5,Error ellipse: s-maj=67.8km s-min=32.0km az=61.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, H08N3 Diego Garcia H.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H08N1 Diego Garcia H, H08N2 Diego Garcia H, CMAR Chiang Mai Arr, H01W3 Cape Leeuwin H, etc.

KRNET 19 12:33:04.4,0.1,42.58N:78.56E,h21km,mb2.6, ISCJB 19 12:33:05.1,0.8,42.49N:0.04:78.58E:0.05,h1km,5km, Error ellipse: s-maj=7.4km s-min=3.9km az=139.5

SOME 19 12:33:05.2,42.48N:78.62E,h10km, ISC 19 12:33:04.9,1.4,42.48N:0.05:78.58E:0.04,h1km=10km, n25,e+10/50,13C-13Z,Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PRZ Przheval'sk, PRY Saty, SATY, UZB Uzynbulak, SHLS, KURS Kuram, PDGK Podgornoye, etc.

IDC 19 12:35:08.9,4.8,29.16S:61.28E,h0km,mb4.1/5, mb1 4.3/5,mb1mx3.7/51,mbtmp4.1/5,MS3.4/5, Ms1 3.4/5,ms1mx3.0/40,1C,Error ellipse: s-maj=151.3km s-min=34.2km az=55.0, Southwest Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, H08N1 Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, MKAR Makanchi Array, ZALV Zalesovo Bay, GUMO Guamo.

NNC 19 12:37:34.5,2.5,39.88N:74.15E,h0km,mb3.1,mpv2.7, Error ellipse: s-maj=26.2km s-min=11.8km az=4.0

KRNET 19 12:37:34.8,0.1,39.53N:73.61E,mb2.5, ISC 19 12:37:36.2,1.8,39.61N:0.06:73.69E:0.05,h6km=12km, n18,e+20/35,30C-6D,Tajikistan-Xinjiang border region

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

IDC 19 12:39:10.7,3.3,13.63N:92.98W,h0km,mb3.6/2, mb1 3.8/4,mb1mx3.5/42,mbtmp3.4/4,ML3.3/2,MS3.3/3, Ms1 3.3/3,ms1mx2.6/33,Error ellipse: s-maj=201.8km s-min=47.1km az=59.0

MEX 19 12:39:20.6,0.3,14.50N:92.75W,h78km,6km,MD3.9, ISC 19 12:39:20.7,1.9,14.5N:0.1:92.77W:0.1,h35km,n12, e+163/11,MS3.4/3,Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PCIG, CCIG, TGIG, CMIG, TXAR, HOE1, PCRV, etc.

NIED 19 13:06:00.39:10N:142:20E,h50km,Mw4.4, Best double couple: M5:10000:1015 NP1:207:00000, 2,820:00000, 1.86:00000, NP2:30:32:00000, 570:00000, 1.92:00000

BUI 19 13:06:10.8,38.97N:142.00E,h36km,mb4.6/52,mb4.9/32, Ms4.1/18,Ms7.4/0/19

MOS 19 13:06:15.1,1.0,39.13N:142.19E,h52km,mb4.8/48,Error ellipse: s-maj=7.7km s-min=5.0km az=99.4

JMA 19 13:06:15.5,0.1,39.08N:142.19E,h44km,1km,M4.3, JMA Fail 11

ISCJB 19 13:06:15.1,0.4,39.08N:0.03:142.18E:0.05,h51km,3km, mb4.6/82,MS3.7/21,Error ellipse: s-maj=6.8km s-min=4.0km az=31.9

NEIC 19 13:06:15.6,0.4,39.14N:142.16E,h35km,mb4.6/16,Error ellipse: s-maj=9.4km s-min=5.7km az=120.0

NEIC Recorded [2 JMA] in Iwate. IDC 19 13:06:17.4,1.9,39.07N:142.10E,h58km=16km,mb4.1/27, mb1 4.3/32,mb1mx4.1/57,mbtmp4.4/32,MS3.5/19, Ms1 3.5/19,ms1mx3.3/45,Error ellipse: s-maj=13.9km s-min=11.0km az=120.0

ISC 19 13:06:16.1,0.6,39.11N:0.04:142.18E:0.04,h44km=4km, n227,e+146/237,mb4.7/82,MS3.7/22,14C-7D,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OFUJ Ofunato, OFUJ Ofunato, MIYJ Miyakonagasawa, JMK Miyakoseki.





19d 14h

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like CTA Charters Tower, STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, etc.

19d 14:35:15.6-0.9, 22.57N:121.00E, h0km, mb3.5/7, mb1 3.7/7, mb1mx3.5/8, mbmtpr3.5/7, MS3.0/2, Ms1 3.1/2, ms1mx2.7/2.5, Error ellipse: s-maj=39.0km, s-min=19.2km, az=66.0

TAP 19 14:35:16.8, 22.68N:120.86E, h0km, ML3.9, B ISCJB 19 14:35:17.5-0.3, 22.65N:0.02-120.90E:0.02, h8km, 2km, mb3.5/6, MS2.8/2, Error ellipse: s-maj=3.3km, s-min=2.6km, az=21.1

JMA 19 14:35:17.5-0.1, 22.68N:121.24E, h0km ISC 19 14:35:17.5-0.6, 22.64N:0.02-120.92E:0.02, h16km, 5km, n17.5, s15.12, 9.5, mb3.6/3, 3C-1D, Taiwan

Main table for 19d 14h section, listing station codes, names, and coordinates for various stations like ECL Taimali, TWG Pinlang, TTN Taitung, etc.

2011 NOV

Main table for 2011 NOV section, listing station codes, names, and coordinates for various stations like NNS Nan Shan, ENA baz=20, NNTT Nanjiang, etc.

1076

Main table for 1076 section, listing station codes, names, and coordinates for various stations like THR2 Thira Island, THR3 Thira Island, THR5 Thira Island, etc.

ISCJB 19 14:50:43.5-0.7, 51.42N:0.03-16.10E:0.03, h0km, Error ellipse: s-maj=4.8km, s-min=2.8km, az=9.8 CSEM 19 14:50:44.2-0.4, 51.46N:1.10E:1.2km, ML3.1/12 PRU 19 14:50:46.2, 51.41N:16.07E, h0km

VIE 19 14:50:48.0, 1.0, 51.21N:16.30E, h0km, mb2.2/4, ML2.6/5, Error ellipse: s-maj=7.1km, s-min=6.6km, az=117.0, Suspected Mining induced.

WAR 19 14:51:23.3, 51.48N:16.13E, h1km, Mw2.5 ISC 19 14:50:45.3-1.0, 51.43N:0.05-16.08E:0.02, h0km, n38, s1901/69, Poland

Table for 1076 section, listing station codes, names, and coordinates for various stations like KSP Ksiaz, KPC Ksiaz, KPC Ksiaz, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: WHTX, Lake Whitney, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: U41A, Viola, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

MAN 19 15:03:40,17:50N:122:35E, h5km, mb4.4, ML3.2, MS3.0,

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

ISCJB 19 15:26:24.3, 0.4, 16:22N:0:04:98:48W:0:03, h10km,

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

W35A Tecumseh, W35A Tecumseh, W36A Wetumka, W36A Wetumka, W37B Poteau, W38A Poteau, BNM Baren Site, OK020 N3440 Road, LPM Los Pinos Moun, Y45A Yeager Farm, W39A Magazine, Z47A Carrollton, TUC Tucson, TUC Tucson, V35A Vetus Ranch, W40A Ferguson Farm, V36A Jenks, V36A Jenks, Y46A Houston, W41B Gary Mavity, X301 Greenbrier Sit, LRLAL Lakewiew Retre, TUL1 Leonard, TUL1 Leonard, Z48A Northport, WHAR Woolly Hollow, V37A Hulbert, ANMO Albuquerque, ANMO Albuquerque, ANMO Albuquerque, V38A Canfield, X45A UM Field Stati, OXF Oxford, V39A Pettigrew, U32A Winter Ranch, Y47A UCPARC, Winfie, V40A Witts Springs, Z14A Org Pipe Nat, U36A Oologah, V41A Mountaintview, U37A Salina, U38A Gravette, V42A Cord, U39A Green Forest, W45A Hickory Valley, T35A Sooner Cattle, U40A Yellow, T34A McClaskey Farm, T36A Boggs Farm, Ca

Table with columns: W35A, W36A, W37B, W38A, BNM, OK020, LPM, Y45A, W39A, Z47A, TUC, TUC, V35A, W40A, V36A, V36A, Y46A, W41B, X301, LRLAL, TUL1, TUL1, Z48A, WHAR, V37A, ANMO, ANMO, ANMO, V38A, X45A, OXF, V39A, U32A, Y47A, V40A, Z14A, U36A, V41A, U37A, U38A, V42A, U39A, W45A, T35A, U40A, T34A, T36A, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

U41A Viola, PLAL Pickwick Lake, T37A Chesville 18, T38A Diamond, U42A Revenden, T39A Clever, V45A Humboldt, U43A Rector, 113A Mohawk Valley, S34A Wilwisp Spring, X16A Lo Mia Camp, P, T25A Trinidad, T25A Trinidad, S35A Otter Creek Ra, T40A Mansfield, S36A Lake Cedric, C, T41A Mountain View, S37A Fort Scott, S38A Stockton, T42A Van Buren, U45A Fennell Farm, S39A Bolivar, S40A Lebanon, R34A Lebanon Hill, WVT Waverly, T43A Greenville, SWET Sewanee, S41A Jillico Farms, R36A Gordon, Harris, R38A Gordon Farm, T44A Benton, WUAZ Wupatki, WUAZ Wupatki, CBKS Cedar Bluff, R39A Chumby, Stover, S42A Caledonia, S43A Fulton Ridge, S22A 4UR Ranch, Cre, S22A 4UR Ranch, Cre, MVCO Mesa Verde, MVCO Mesa Verde, Q34A Chapman, R40A Middles Statio, CCM Cathedral Cave, PDMCI Parker Dam, Lak, R41A Rosebud, CPCT Cooper Cave, S44A Cardinale, S45A Carrier Mills, HODGE Hodges, IRM Iron Mountain, W13A Hualapai Mount, R43A Red Bud, Q39A Willow Grove F, P35A Duane Minner, Q24A Divide, Q40A Lutz Farm, Aux, TKL Tuckaleechee C, R46A Waltonville, P36A Good Intent, A, PV01 Paradox Valley, Q41A Lutz Farm, P37A Lathrop, BELC Belle Mtn. Jos, Q42A Golden Eagle, P38A Dawn, P39B Salisbury, R45A Skylar, Fairri, P40A Skylar, Fairri, Q34A Beatrice, GMRC Granite Mounta, Q43A New Douglas, R46A Gibon Southern, SMC0 Snowmass, O36A Bolckow, Q44A Meyer Farm, Va, KNB Kanab, O38A Galt, ISCO Idaho Springs, P41A Barry, Barry, P42A Winchester, WCI Wyandotte Cave, O39A Kirksville, Q40A La Belle

Table with columns: U41A, PLAL, T37A, T38A, U42A, T39A, V45A, U43A, 113A, S34A, X16A, T25A, T25A, S35A, T40A, S36A, T41A, S37A, S38A, T42A, U45A, S39A, S40A, R34A, WVT, T43A, SWET, S41A, R36A, R38A, T44A, WUAZ, WUAZ, CBKS, R39A, S42A, S43A, S22A, S22A, MVCO, MVCO, Q34A, R40A, CCM, PDMCI, R41A, CPCT, S44A, S45A, HODGE, IRM, W13A, R43A, Q39A, P35A, Q24A, Q40A, TKL, R46A, P36A, PV01, Q41A, P37A, BELC, Q42A, P38A, P39B, R45A, P40A, Q34A, GMRC, Q43A, R46A, SMC0, O36A, Q44A, KNB, O38A, ISCO, P41A, P42A, WCI, O39A, Q40A, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.



19d 16h

Table with columns: Call Sign, Frequency, Mode, Power, and other details. Includes stations like Passleys Farm, Sand Creek, Mount Pierson, Ogallala, Cedar City, etc.

2011 NOV

Main table with columns: Call Sign, Frequency, Mode, Power, and other details. Includes stations like YKA, INK, ILI, ILAR, RND, PPT, TOLK, etc.

1078

Table with columns: Call Sign, Frequency, Mode, Power, and other details. Includes stations like Ohasama, Okura, Otama, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, and other details. Includes stations like Acapulco, El Cayaco, Mezcala, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, and other details. Includes stations like Chiang Mai Arr, Pallekele, Diego Garcia H, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, and other details. Includes stations like Ostrava-Krasne, Ojcow, Moravsky Berou, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, and other details. Includes stations like Dobruska-Polom, Vranov, Ksiaz, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, and other details. Includes stations like Huatulco, Vista Hermosa, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include PNIG Pinotepa, PCIG Tehuacan, TGIG Tlapa, etc.

ISK 19 16:04:05.6,38°59'N,43°03'E,h5km,ML2.0
DDA 19 16:04:08.4,38°64'N,43°17'E,h7km,ML2.7
CSEM 19 16:04:08.5,0.3,38°66'N,43°16'E,h2km,ML2.7,Error ellipse: s-maj=6.6km s-min=5.7km az=149.0

ISC 19 16:04:08.7,0.8,38°55'N,0°03.2'W,0.02,h12km,7km,n26,e1567/47,Turkey

Main table for 1079 with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include VANB Van, TVAN Van, GEVA Gevas, BITLIS Adilcev, VMUR Van-Muradiye, etc.

ISK 19 16:07:34.9,40°15'N,27°36'E,h12km,ML1.9
ISCJTB 19 16:07:35.3,0.4,40°14'N,0°02.27'33E,0.04,h6km,6km,Error ellipse: s-maj=5.6km s-min=3.6km az=152.6

DDA 19 16:07:35.1,40°14'N,27°35'E,h7km,ML2.7
CSEM 19 16:07:35.5,0.1,40°14'N,27°34'E,h12km,ML1.9,Error ellipse: s-maj=2.4km s-min=1.4km az=59.0

ISC 19 16:07:35.3,0.9,40°14'N,0°03.27'34E,0.04,h12km,gkm,n25,e0526/42,Turkey

Main table for 1079 (continued) with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include KNL Baf-Kesir, KRBG Karabiga-Canak, GONE Gonen-Balikesi, etc.

ROM 19 16:21:32.9,0.2,39°00'N,15°50'E,h250km,2km,MI3,1/36,Error ellipse: s-maj=4.4km s-min=1.8km az=102.0

ISCJTB 19 16:21:33.0,0.4,39°05'N,0°04.15'E,2E:0.10,h250km,3km,mb3,6/5,Error ellipse: s-maj=12.5km s-min=5.9km az=14.2

CSEM 19 16:21:34.1,0.3,39°02'N,15°59'E,h24km,3km,ML3.3/11,Error ellipse: s-maj=8.5km s-min=3.3km az=108.0

ISC 19 16:21:36.2,4.2,39°19'N,15°11'E,h283km,40km,mb3,0/6,mb1,3/0,9,mb1mx2,8/42,mbtm3,6/9,Error ellipse: s-maj=61.3km s-min=18.6km az=36.0

ISC 19 16:21:33.3,0.8,39°04'N,0°05.15'43E,0.07,h247km,6km,n91,e0996/114,mb3,6/5,32D,Southern Italy

Main table for 1079 (continued) with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include JOPP Joppolo, CAR1 CAROLEI, LLI Lipari, VPL Vulcano Piano, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include MSRU Castanea, MSRU Castanea, MILZ Milazzo, etc.

ISC 19 16:22:07.3,0.4,38°58'N,0°03.2'W,0.02,h12km,7km,n26,e1567/47,Turkey

Main table for 2011 NOV with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include MSRU Castanea, GRI Girifalco, IFIL Filicudi I Eol, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include EKA Eskdalemuir Ar, HFS Haggos, NOA NORAR Array B, etc.

IDC 19 16:45:28.3,1.0,8°97'N,121°82'E,h0km,mb4,0/7,mb1,4,1/7,mb1mx3,6/50,mbtm4,0/7,MS3,5/3,Ms1,3,5/3,ms1mx2,8/36,Error ellipse: s-maj=66.2km s-min=18.3km az=58.0

MAN 19 16:45:29.9,48°N,121°95'E,h32km,mb5.0,ML3.9,MS4.0

ISC 19 16:45:28.4,3.1,9°45'N,0°04.121'99E,0.04,h14km,20km,n29,e1554/42,mb4,1/7,4C-3D,Sulu Sea

Main table for 19d 16h with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include SIBULAN Sibulan, SANJOSE San Jose, ANTI Anti, etc.

GUC 19 16:51:35.9,0.5,23°91'S,67°69'W,h240km,14km,ML3.8,Chile-Argentina border region

Main table for GUC 19 16:51:35.9,0.5,23°91'S,67°69'W,h240km,14km,ML3.8,Chile-Argentina border region with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include IPOC Station P, Antofagasta, etc.

ISCJTB 19 16:54:36.9,0.8,38°72'N,0°03.43'72E,0.06,h2km,6km,Error ellipse: s-maj=8.0km s-min=4.8km az=18.8

ISK 19 16:54:36.9,38°74'N,43°56'E,h5km,ML2.7

CSEM 19 16:54:37.0,0.3,38°72'N,43°66'E,h2km,ML2.7,Error ellipse: s-maj=7.3km s-min=4.5km az=105.0

DDA 19 16:54:37.0,38°71'N,43°70'E,h7km,MI3.2

ISC 19 16:54:37.6,1.2,38°70'N,0°02.43'69E,0.03,h5km,10km,n35,e1940/48,Turkey

Main table for 19d 16h (continued) with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include VANB Van, TVAN Van, VMUR Van-Muradiye, etc.





JYK		eS	Sn	17 37 40.9	-1.8
JOM	Ohasama	1.76 344	P	17 37 23.9	+0.4
JFY	Yanaizu	1.81 259	P	17 37 23.2	-0.9
JRG	Rokugo	1.91 328	P	17 37 26.0	+0.5
JRG		eS	Pn	17 37 48.4	+0.1
JYA	Atsumi	1.93 249	P	17 37 24.9	-0.9
JYA		eS	Pn	17 37 47.0	-1.8
MJAR	Matsushiro Arr	3.22 249	P	17 37 43.5	0.0
	58nm,0.3s,baz=56,slow=11,SNR=317		Sn	17 38 22.1	+1.4
MJAR		S	Sn	17 39 15.2	
MJAR	comp=Z,31nm,0.3s,baz=83,slow=16,SNR=4	LR	LR		
MJAR	Matsushiro Arr	3.22 249	P	17 37 43.5	0.0
MJAR		S	Pn	17 38 22.1	+1.4
MJAR	comp=Z,58nm,0.3s		Pmax		
MJAR	comp=N,31nm,0.3s		Smax		
MJAR	comp=Z,21um,20.7s	MLR	MLR		
MAJO	Matsushiro	3.22 249	eP	17 37 43.5	-0.1
MAJO		e	Pn	17 38 25.0	
MAJO	Matsushiro	3.22 249	ePn	17 37 43.5	-0.1
MAJO		eSn	Pn	17 38 25.0	+4.3
MAJO	Matsushiro	3.22 249	P	17 37 43.5	+0.1
MAT		S	Pn	17 38 23.3	+2.6
MJB9	Matsu-Tunnel	3.22 249	ePn	17 37 43.8	+0.2
ERM	Erimo	4.33 12	ePn	17 38 25.7	+5.0
ERM		e	Sn	17 37 59.1	+0.3
ERM	Erimo	4.33 12	ePn	17 38 42.8	-5.2
ERM		eSn	Pn	17 37 59.1	+0.3
INU	Inuyama	4.64 240	ePn	17 38 03.2	+0.2
JHJ2	Mitsune	4.97 201	ePn	17 38 07.0	-0.5
JHJ2		e	Pn	17 39 00.2	-3.4
JHJ	Hachijo jima 2	4.97 201	P	17 39 08.3	+0.8
	comp=Z,182nm,0.3s,baz=98,slow=7.4,SNR=16		Sn	17 39 00.4	-3.3
ASAJ	Asahikawa	6.35 4	eP	17 38 25.9	-0.6
	comp=Z,3.8nm,0.3s,baz=203,slow=17,SNR=68		S	17 39 35.8	-1.8
ASAJ	Asahikawa	6.35 4	ePn	17 38 26.0	-0.5
	comp=Z,2.7nm,0.3s,baz=120,slow=20,SNR=3.1		eSn	17 39 39.9	-8.0
ASAJ	Asahikawa	6.35 4	ePn	17 39 35.8	-1.8
YUK	Yuzh-Kuril'sk	6.92 24	eP	17 38 34.7	+0.5
YUK		eS	Sn	17 39 47.5	-4.1
YUK	comp=Z,260nm,0.5s		Pmax		
YUK	comp=N,45nm,0.3s		Pmax		
YUK	comp=E,71nm,0.1s		Pmax		
YUK	comp=N,356nm,0.3s		Smax		
YUK	comp=N,356nm,0.3s		Smax		
SHO	Shikotan	7.13 30	eP	17 38 35.8	-1.3
SHO		eS	Sn	17 39 50.0	-6.7
SHO	comp=N,633nm,0.5s		Smax		
KUR	Kuril'sk	8.67 29	eP	17 38 58.9	+0.7
KUR		eS	Sn	17 40 31.5	-3.1
KUR	comp=E,47nm,0.5s		Pmax		
KUR	comp=Z,63nm,0.5s		Pmax		
KUR	comp=N,17nm,0.2s		Smax		
KUR	comp=N,252nm,0.6s		Smax		
YSS	Yuzh-Sakhalins	9.19 4	eP	17 39 05.4	+0.1
YSS		eS	Sn	17 40 45.5	-1.7
YSS	comp=Z,20nm,1.0s		Pmax		
YSS	comp=N,30nm,1.1s		Smax		
YSS	comp=E,30nm,1.1s		Smax		
USRK	Ussuriysk Ar.	9.88 314	P	17 39 15.1	+0.4
	comp=E,1.5nm,0.3s,baz=121,slow=14,SNR=25		LR	17 42 51.3	
JUNU	Nakatsue	10.14 246	ePn	17 39 51.7	-1.7
	comp=E,464nm,19.6s,baz=118,slow=36		LR	17 43 19.5	
JUNU	Nakatsue	10.14 246	ePn	17 39 18.7	+0.3
KSR5	Korea Array	11.12 273	P	17 39 34.5	+2.7
	comp=E,1.4nm,0.3s,baz=80,slow=14,SNR=39		LR	17 43 19.5	
KSR5		LR	LR	17 43 19.5	
KS01	Wonju Array S1	11.14 273	ePn	17 39 33.4	+1.4
KS15	Wonju Array S1	11.15 273	ePn	17 39 33.3	+1.1
KSAR	Wonju Array Be	11.15 273	P	17 39 34.5	+2.3
KSAR	Wonju Array Be	11.15 273	P	17 39 34.5	+2.3
MDJ	Mudanjiang	11.53 310	P	17 39 36.9	-0.4
MDJ		S	Sn	17 41 50.1	+5.6
MDJ	comp=E,28nm,2.5s		Pmax		
MDJ	comp=E,240nm,3.1s		Pmax		
MDJ	HABR Khabarovsk	11.53 310	ePn	17 39 38.5	+1.2
HABR		eP	Pn	17 39 38.2	-2.8
HABR		eS	Sn	17 41 48.3	-2.9
HABR	comp=E,50nm,1.5s		Pmax		
HABR	comp=N,24nm,1.5s		Pmax		
HABR	comp=Z,21nm,1.5s		Pmax		
HABR	comp=Z,140nm,14.0s	MLR	MLR		
INCN	Inchon	12.14 273	ePn	17 39 46.9	+1.2
KLR	Kul'dur	13.61 330	P	17 40 05.1	-0.5
	comp=Z,0.0nm,0.3s,baz=139,slow=11,SNR=3.0		LR	17 45 03.4	
KLR	comp=Z,30nm,20.5s,baz=139,slow=36		LR	17 45 03.4	
JOW	Kunigami	15.87 320	ePn	17 40 36.3	+0.7
	comp=Z,528nm,1.9s		P	17 40 40.6	+0.9
DL2	Dalian	15.97 280	P	17 40 40.6	+0.9
	comp=Z,54nm,0.8s		Pmax		
PEAOB	Petropavlovsk-	18.84 30	eP	17 41 14.4	+2.3
	comp=Z,62nm,1.4s		P	17 41 10.2	-1.1
PETK	Petropavlovsk-	18.84 30	P	17 41 10.2	-1.1
	comp=Z,0.1nm,0.3s,baz=196,slow=14,SNR=4.2		LR	17 49 44.6	
PETK	Petropavlovsk-	18.84 30	eP	17 41 13.2	+1.1
PETK	Petropavlovsk-	18.84 30	eP	17 41 13.2	+1.1
PEA1	Petropavlovsk-	18.84 30	eP	17 41 10.2	-1.1
PEA1		e	Pn	17 49 44.6	
PET	Petropavlovsk	19.17 32	eP	17 41 22.9	+6.9
PET		MLR	MLR		
HIA	Hailar	19.69 313	eP	17 41 19.8	-0.8
HIA		Pmax	Pmax		
HIA	Hailar	19.69 313	eP	17 41 19.8	-0.8
	comp=Z,9.0nm,1.0s		P	17 41 19.8	-0.8
NJ2	Nanjing	19.75 260	eP	17 41 21.4	+0.1
NJ2		Pmax	Pmax		
TIA	Tai'an	19.86 273	eP	17 41 23.1	+0.5
TIA		Pmax	Pmax		
BJI	Beijing	20.15 284	P	17 41 23.0	-2.6
BJI		S	P	17 45 03.3	-5.9
BJT	Baijiautau	20.16 284	eP	17 41 22.4	-3.3
BJT		Pmax	Pmax		
BJT	comp=Z,53nm,1.3s		P	17 41 22.4	-3.3
BJT	comp=Z,53nm,1.3s		P	17 41 34.9	+1.1
YOJ	Yonaguni jima	20.89 236	eP	17 41 34.9	+1.1
YOJ		Pmax	Pmax		
YOJ	comp=Z,617nm,1.7s		P	17 41 34.9	+1.1
YOJ	Yonaguni jima	20.89 236	eP	17 41 34.9	+1.1

TATO	Taipei	21.57 240	eP	17 41 39.5	-1.5
	comp=Z,617nm,1.7s		P		
YHNB	Yeheng	21.84 239	eP	17 41 40.5	-3.6
	comp=Z,435nm,1.7s		P		
NACB	Ninganchiao	22.03 238	eP	17 41 43.1	-2.8
	comp=Z,38nm,1.7s		P		
MA2	Magadan	22.54 12	P	17 41 50.1	-1.0
	comp=Z,214nm,2.0s		P		
MA2		22.54 12	P	17 50 34.3	
	comp=Z,8.8nm,0.7s,baz=197,slow=9.8,SNR=5.5		LR	17 41 49.3	-4.1
SSSL	Suanguang	22.72 238	eP	17 41 49.3	-4.1
	comp=Z,17nm,1.0s		P		
YULB	Yulu	22.76 237	eP	17 41 49.8	-4.0
	comp=Z,91nm,1.5s		P		
TPUB	Ta-pu	22.77 238	eP	17 41 54.4	-4.5
	comp=Z,52nm,1.2s		P		
TWG	Pinlang	23.30 236	eP	17 41 55.4	-3.8
	comp=Z,602nm,1.9s		P		
HHC	Hu-ho-hao-te	23.64 287	eP	17 42 01.9	-0.5
HHC		S	P	17 46 13.5	-0.2
HHC		SS	SnSn	17 47 04.0	+1.0
HHC		SS	Pmax		
HHC	comp=Z,24nm,1.2s		Pmax		
HHC	comp=Z,63nm,5.2s		Pmax		
HHC	comp=Z,210nm,12.4s		LR	17 42 01.9	-0.5
HHC	comp=Z,200nm,13.7s		LR	17 42 01.9	-0.5
HHC	comp=Z,170nm,12.4s		LR	17 42 01.9	-0.5
WHN	Wuhan	23.88 261	P	17 42 03.1	-0.5
WHN		S	P	17 46 03.3	-1.4
WHN		LR	LR		
WHN	comp=Z,1um,13.9s		P	17 42 17.9	-0.5
YAK	Yakutsk	25.44 347	P	17 42 17.0	-1.5
	comp=Z,39nm,0.6s,baz=348,slow=1.0,SNR=33		P		
YAK	Yakutsk	25.44 347	eP	17 42 17.0	-1.5
YAK		e	P	17 43 01.6	
YAK		e	P	17 45 58.2	
YAK		eS	S	17 46 43.9	+2.0
YAK		eS	Pmax		
YAK	comp=Z,27nm,0.8s		Pmax		
YAK	comp=N,3.0nm,0.9s		Pmax		
YAK	comp=E,3.0nm,0.8s		Pmax		
YAK	comp=Z,171nm,4.3s		Pmax		
YAK	comp=E,279nm,3.8s		Pmax		
YAK	comp=N,159nm,4.6s		Smax		
YAK	comp=N,92nm,5.5s		Smax		
YAK	comp=N,18nm,3.9s		Smax		
YAK	Yakutsk	25.44 347	eP	17 42 17.6	-0.9
	comp=Z,48nm,0.7s		P	17 42 24.5	+1.1
SEY	Seymchan	25.98 11	P	17 42 24.5	+1.1
	comp=E,12nm,1.0s,baz=100,slow=8.1,SNR=11		P	17 42 30.5	-1.7
XAN	Xi'an	26.92 272	P	17 42 30.5	-1.7
XAN		pP	pP	17 42 42.3	-2.2
XAN		pP	pP		
BOD	Bodaibo	27.13 327	eP	17 42 31.7	-2.1
BOD		eP	Pmax		
ULN	Ulanbaatar	27.29 303	iP	17 42 34.3	-1.3
ULN		iP	Pmax		
ULN	comp=Z,4.0nm,0.6s		P	17 42 34.3	-1.3
ULN	Ulanbaatar	27.29 303	eP	17 42 34.3	-1.3
SONAI	Songino Array	27.72 303	eP	17 42 38.1	-1.3
SONAI		P	P	17 42 38.3	-1.1
SONAO	Songino Array	27.72 303	eP	17 53 34.3	+1.0
SONAO		eS	S	17 42 38.3	-1.1
SONM	Songino Array	27.72 303	eP	17 53 34.3	
	comp=Z,4.3nm,0.7s,baz=100,slow=7.9,SNR=26		LR	17 42 38.3	-1.1
SONM		LR	LR	17 53 34.3	
ENH	Enshi	27.81 264	eP	17 42 38.0	-2.2
	comp=Z,41nm,0.9s		P	18 13 01.5	
H11N2	WAKE ISLAND Hy	28.19 123	T	18 13 01.9	
	comp=Z,316,slow=76,SNR=1348		T	18 13 02.7	
H11N1	WAKE ISLAND Hy	28.20 123	T	18 13 04.0	
	comp=Z,316,slow=76,SNR=1404		T	18 14 04.4	
H11N3	WAKE ISLAND Hy	28.21 123	T	18 14 04.4	
	comp=Z,316,slow=76,SNR=802		T	18 14 03.5	
H11S1	WAKE ISLAND Hy	28.23 125	T	17 43 03.0	+0.1
	comp=Z,316,slow=76,SNR=1112		T	17 43 17.3	+2.0
H11S3	WAKE ISLAND Hy	28.95 125	T	17 43 24.0	+3.1
	comp=Z,318,slow=76,SNR=285		T	17 44 02.9	+0.5
LZH	Lanzhou	30.36 279	eP	17 43 03.0	+0.1
LZH		eP	pP	17 43 24.0	+3.1
LZH		eP	pP	17 44 02.9	+0.5
LZH		eP	Pn		
LZH		eP	Pmax		
LZH	comp=Z,35nm,1.2s		Pmax		
LZH	comp=Z,97nm,5.3s		Pmax		
LZH	comp=Z,270nm,12.8s		LR	17 43 03.0	+0.1
LZH	comp=Z,240nm,13.2s		LR	17 43 13.3	-2.0
LZH	comp=Z,350nm,16.7s		LR	17 43 21.0	-0.7
GYA	Guiyang	31.76 260	iP	17 43 21.0	-0.7
GYA		P	P	17 43 23.0	-2.0
GYA		pP	pP	17 44 20.9	+1.4
GYA		pP	Pn	17 48 45.4	+2.4
GYA		S	S	17 50 13.6	+1.2
GYA		S	S		
GYA		S	SnSn		
GYA		S	Pmax		
GYA	comp=Z,20nm,0.8s		Pmax		
GYA	comp=Z,120nm,5.0s		Pmax		
GYA	comp=Z,510nm,17.0s		LR	17 43 22.5	-1.4
GYA	comp=Z,480nm,17.4s		LR	17 46 09.3	+0.9
GYA	comp=Z,520nm,17.6s		S	17 48 37.5	+0.1
CD2	Chengdu	32.09 269	P	17 43 17.4	-0.7
CD2</					





Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h m s, ISC, Pn. Includes stations like CMAR Chiang Mai Arr, PALK Pallekele, H0ES3 Diego Garcia H, etc.

Table with columns: PMR, Pmax, pmax. Includes stations like PMR Palmer, KTH Kantishna Hill, BPAW Bear Paw Mtn, etc.

Table with columns: comp, Pmax, pmax. Includes stations like comp=Z,19nm,1.2s, YAK comp=E,9.0nm,1.3s, etc.

BUI 19 18:06:22.9, 53.33N, 174.23W, h217km, mb4.6/56, mb5.0/44
ISCJB 19 18:06:24.8, 0.2, 53.06N, 0102.174, 04W, 0.02, h238km, 1km, mb4.7/202, Error ellipse: s-maj=3.5km s-min=1.6km az=173.7
GCMT 19 18:06:24.3, 0.1, 53.02N, 174.14W, h232km, MW5.6/142, Moment Tensor Solution, s124.c214; s142.c329; Duration: 1s6 Moment tensor: Scale 1017Nm; M1=1.30e+03; M2=0.20e+04; M3=1.50e+04; M4=2.71e+04; M5=1.57e+04; M6=0.85e+03; Best double couple: M3,53000x1017 NPT: 295.000000; 878.000000; -1.119.000000; Principal axes: T 3.5350, Plg27.0000; Azm47.0000; N 0.0060, Plg28.0000; Azm302.0000; P -3.5400, Plg49.0000; Azm173.0000; nsta2 refers to surface/mantle waves, cutoff=50s.
NEIC 19 18:06:24.3, 0.1, 53.13N, 174.14W, mb5.0/54, MW5.6, MW5.5 Error ellipse: s-maj=4.0km s-min=2.1km az=169.0, Moment Tensor Solution, s38 Moment tensor: Scale 1017Nm; M1=1.09; M2=0.02; M3=1.07; M4=2.05; M5=1.06; M6=0.81; Best double couple: M2,70000x1017 NPT: 298.000000; 877.000000; -1.114.000000; NPZ: 298.000000; -1.114.000000; Principal axes: T 3.5350, Plg27.0000; Azm47.0000; N 0.0060, Plg28.0000; Azm302.0000; P -3.5400, Plg49.0000; Azm173.0000; nsta2 refers to surface/mantle waves, cutoff=50s.
MOS 19 18:06:25.2, 1.0, 53.08N, 174.03W, h238km, mb4.8/55 Error ellipse: s-maj=6.5km s-min=4.6km az=86.9
NEIC 19 18:06:25.0, 0.0, 53.49N, 174.40W, h230km, Moment Tensor Solution, s24 Moment tensor: Scale 1017Nm; M1=1.48; M2=0.35; M3=1.13; M4=1.61; M5=0.99; M6=0.82; Best double couple: M2,50000x1017 NPT: 303.000000; 870.000000; -1.108.000000; NPZ: 298.000000; -1.108.000000; Principal axes: T 2.4800, Plg23.0000; Azm143.0000; N 0.0000, Plg16.0000; Azm31.0000; P -2.4300, Plg6.0000; Azm187.0000;
IDC 19 18:06:27.0, 2.0, 53.04N, 174.01W, h247km, 7km, mb4.1/30, mb1.4/232, mb1mx4.2/43, mbtmp4.7/32 Error ellipse: s-maj=9.2km s-min=6.2km az=158.0
ISC 19 18:06:24.8, 0.2, 53.04N, 0.03, 174.03W, 0.02, h230km, 1km, h229km; p-P, n1311, r1878/1884, mb4.8/204, 38C-28D, Andeanof Islands

Table with columns: PMR, Pmax, pmax. Includes stations like IMAR Indian Mountain, GLI Glacier Island, MID Middleton Isla, etc.

Table with columns: comp, Pmax, pmax. Includes stations like comp=Z,19nm,1.2s, YAK comp=E,9.0nm,1.3s, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h m s, ISC, Pn. Includes stations like KOSE Korovin Southe, KOKL Mount Klueche, KOPF Korovin Flat P, etc.

Table with columns: PMR, Pmax, pmax. Includes stations like PAX Paxson, ILI Eielson Array, ILAR Eielson Array, etc.

Table with columns: comp, Pmax, pmax. Includes stations like comp=Z,19nm,1.2s, YAK comp=E,9.0nm,1.3s, etc.





LCMT		eP	pP	18 15 01.2 -0.6	SMCO	eScP	ScP	18 19 32.2 +0.2	baz=309,SNR=7.9	T25A	Trinidad	49.66	79	P	P	18 14 54.7 +1.3
LCMT		eScP	ScP	18 19 22.1 +0.1	SMCO	eS	S	18 21 11.3 +7.0	baz=312,SNR=44	T25A	Trinidad	49.66	79	eP	P	18 14 54.6 +1.3
Q16A	Castle Valley	44.47	82	eP	113A	Mohawk Valley,	47.02	91	eP	113A				eP	pP	18 15 35.5 -3.6
Q16A				eP	113A				eP	113A				eP	pP	18 19 43.5 -0.5
Q16A				eScP	113A				eS	113A				eP	ScP	18 19 43.4 -0.5
GMRC	Granite Mounta	44.49	90	P	B32A	Ashes, Strandq	47.05	63	P	B32A				P	ScP	18 14 53.4 -0.4
P18A	Preston Nutter	44.57	81	eP	MVCO	Mesa Verde	47.18	82	P	MVCO	Mesa Verde	47.18	82	P	P	18 14 35.5 +1.1
P18A				eP	MVCO	Mesa Verde	47.18	82	eP	MVCO	Mesa Verde	47.18	82	eP	pP	18 15 35.7 +1.2
P18A				eScP	MVCO	Mesa Verde	47.18	82	eP	MVCO	Mesa Verde	47.18	82	eP	pP	18 15 20.8 -2.9
P18A				eP	MVCO	Mesa Verde	47.18	82	eP	MVCO	Mesa Verde	47.18	82	eP	pP	18 16 00.7 -1.3
LDFC	Landfair	44.63	89	eP	MVCO	Mesa Verde	47.18	82	eP	MVCO	Mesa Verde	47.18	82	eP	pP	18 19 33.5 0.0
LDFC				eP	MVCO	Mesa Verde	47.18	82	eP	MVCO	Mesa Verde	47.18	82	eP	pP	18 21 13.2 +3.9
LDFC				eScP	MVCO	Mesa Verde	47.18	82	eP	MVCO	Mesa Verde	47.18	82	eP	pP	18 14 34.0 -0.3
LDFC				eP	MVCO	Mesa Verde	47.18	82	eP	MVCO	Mesa Verde	47.18	82	eP	pP	18 14 35.6 +0.8
KNB	Kanab	44.71	86	eP	D31A	Mcclaffin, Tow	47.21	65	P	ISCO	Idaho Springs	47.21	77	P	P	18 14 35.3 +0.6
KNB				eP	ISCO	Idaho Springs	47.21	77	eP	ISCO	Idaho Springs	47.21	77	eP	pmax	18 15 03.4 -0.5
KNB				eP	ISCO	Idaho Springs	47.21	77	eP	ISCO	Idaho Springs	47.21	77	eP	pmax	18 14 16.9 +1.7
KNB				eScP	ISCO	Idaho Springs	47.21	77	eP	ISCO	Idaho Springs	47.21	77	eP	pmax	18 15 03.4 -0.5
KNB				eP	ISCO	Idaho Springs	47.21	77	eP	ISCO	Idaho Springs	47.21	77	eP	pmax	18 15 23.9 +0.8
SRU	San Rafael Swe	44.73	82	eP	ISCO	Idaho Springs	47.21	77	eP	ISCO	Idaho Springs	47.21	77	eP	pmax	18 14 16.9 +1.6
SRU				eP	ISCO	Idaho Springs	47.21	77	eP	ISCO	Idaho Springs	47.21	77	eP	pmax	18 15 03.1 -1.0
SRU				eP	ISCO	Idaho Springs	47.21	77	eP	ISCO	Idaho Springs	47.21	77	eP	pmax	18 20 36.7 +1.9
SRU				eP	ISCO	Idaho Springs	47.21	77	eP	ISCO	Idaho Springs	47.21	77	eP	pmax	18 14 16.9 +1.6
SRU				eP	ISCO	Idaho Springs	47.21	77	eP	ISCO	Idaho Springs	47.21	77	eP	pmax	18 15 03.1 -1.0
SRU				eScP	ISCO	Idaho Springs	47.21	77	eP	ISCO	Idaho Springs	47.21	77	eP	pmax	18 19 23.1 -0.1
SRU				eP	ISCO	Idaho Springs	47.21	77	eP	ISCO	Idaho Springs	47.21	77	eP	pmax	18 20 36.3 +1.9
PKCU	Pink Cliffs	44.74	85	eP	ISCO	Idaho Springs	47.21	77	eP	ISCO	Idaho Springs	47.21	77	eP	pmax	18 14 17.8 +2.2
PKCU				eP	ISCO	Idaho Springs	47.21	77	eP	ISCO	Idaho Springs	47.21	77	eP	pmax	18 19 03.3 +0.0
PKCU				eScP	ISCO	Idaho Springs	47.21	77	eP	ISCO	Idaho Springs	47.21	77	eP	pmax	18 20 31.6 -3.2
PKCU				eP	ISCO	Idaho Springs	47.21	77	eP	ISCO	Idaho Springs	47.21	77	eP	pmax	18 19 22.4 -1.0
PFO	Pinyon Flats O	44.81	92	eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 17.2 +1.3
PFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 17.2 +1.3
PFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 17.1 +1.1
PFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 20 39.8 +4.3
PFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 17.1 +1.1
PFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 15 02.0 -2.6
PFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 19 23.9 +0.1
PFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 20 39.8 +4.3
PFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 17.2 +1.2
XPFO	Pieon Flat	44.81	92	eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 15 02.1 -2.7
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 19 23.4 -0.1
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 20 39.3 +3.7
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 17.4 +1.4
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 18.6 +2.2
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 16.9 +0.4
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 16.6 +0.1
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 15 02.1 -3.1
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 19 22.7 -1.0
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 18.2 +1.5
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 18.6 +0.5
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 15 05.0 -1.9
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 15 56.1 +1.6
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 19 24.3 -0.4
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 20.0 +1.7
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 20.9 +1.8
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 21.2 +1.3
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 15 06.5 -2.2
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 19 25.5 0.0
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 21.8 +1.6
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 21.8 +1.6
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 21.8 +1.6
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 15 06.2 -3.4
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 19 25.1 -0.9
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 20 42.3 -2.0
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 22.0 +1.1
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 21.5 +0.6
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 15 07.3 -2.5
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 19 25.8 -0.3
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 20 46.0 +1.5
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 24.4 +1.6
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 22.9 +0.2
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 22.9 +0.2
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 15 06.7 +2.6
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 15 55.6 -0.7
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 19 26.4 -0.4
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 20 45.3 -2.4
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 24.7 +1.7
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 25.9 +1.7
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 14 25.7 +1.5
XPFO				eP	AGNM	Agassiz Nation	47.47	62	eP	AGNM	Agassiz Nation	47.47	62	eP	pP	18 15 10.0 -3.1
XPFO																



1089

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Y39A Lockesburg, OLIL Olney, Q47L Sheridan, etc.

2011 NOV

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like MK31 Makanchi Array, MK32 Makanchi Array, MK33 Makanchi Array, etc.

19d 18h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like NB2 NORSAR Subarra, NB200 NORSAR Array B, NOA NORSAR Array B, etc.

19d 18h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KHON, KMSI, KKM, UTTA, TAPN, CHTO, etc.

2011 NOV

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

1090

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BFO, TBI, TBI, TBI, TBI, etc.



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

MEX 19:18:50.51.6.0.5, 18:10N:98.77W, h60km, g6km, MD3.7, Central Mexico

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

ISCJB 19:18:58:29.6.0.5, 41.28N:0.02:24.27E:0.02, h1km, 4km, Error ellipse: s-maj=3.1km s-min=2.5km az=27.3

ATH 19:18:58:29.1, 41.29N:24.30E, h2km, 1km, ML2.4/4, Error ellipse: s-maj=2.3km s-min=1.0km az=5.0

THE 19:18:58:30.1, 41.26N:24.28E, h4km, 1km, ML2.6/14, Error ellipse: s-maj=1.4km s-min=0.6km az=18.0

CSEM 19:18:58:30.5, 41.26N:24.29E, h5km, ML2.6, Error ellipse: s-maj=3.1km s-min=2.7km az=15.0

SKO 19:18:58:31.5, 41.26N:24.26E, h0km

BEU 19:18:58:31.5, 41.26N:24.21E, h10km, 4km, M2.6/6

ISK 19:18:58:32.8, 41.15N:24.24E, h19km, ML2.6

ISC 19:18:58:29.8, 9.4128N:0.02:24.29E:0.01, h12km, 7km, n104, s111/159, 8C-1D, Greece-Bulgaria border region

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

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PLG, HORT, THE, SMTH, etc.

NEIC 19:19:02:29.9.0.8, 4.75S:105.13W, h4km, 4km, mb5.1/208, Error ellipse: s-maj=5.5km s-min=3.6km az=54.0

GCMT 19:19:02:29.9.0.3, 4.49S:105.06W, h15km, 1km, MW5.0/77, Moment Tensor Solution: s35, e40; s77, c102; Duration: 0

Mu=0.72; 14; Mw=3.07; 16; M1.53; 32; Mw=1.20; 10; M0=0.57; 29; Best double couple: M=3.86300x10^16

NP1: 0.221, 0.0000, 0.649, 0.0000, -1.61, 0.0000, -NP2: 0.1, 0.0000, 0.649, 0.0000, -1.19, 0.0000

Principal axes: T 3.5400, P1g0.0000, Azm291.0000; P -4.1870, P1g69.0000, Azm201.0000; nst1 refers to body waves, cutoff=40s

nst2 refers to surface waves, cutoff=50s

ICD 19:19:02:29.6.0.6, 4.59S:105.21W, h0km, mb4.5/19, mb1.4/719, mb11mx4=6.3s, mbtmp4=5.19, MS4=2.12

MOS 19:19:02:30.6.0.9, 4.53S:104.89W, h10km, mb5.2/45, MS4=2.7, Error ellipse: s-maj=16.3km s-min=5.9km

BUI 19:19:02:32.3, 4.60S:105.00W, h11km, mb5.5/10, Ms5.3/9, Ms7.5/8

ISC 19:19:02:31.9.0.4, 4.68S:107.105, 14W:0.08, h13km, n627, c897/624, mb5.1/222, MS4.2/18, 6C-1D, Central East Pacific Rise

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like H06S1, H06E1, CCIG, etc.

1093

GLA	baz=164	38.63	347	eP	P	19 09 56.0	+0.8
GLA	comp=Z,22nm,1.0s						
GLA	comp=Z,22nm,1.0s	38.63	347	eP	P	19 09 56.0	+0.8
BNN	Barren Site	38.65	358	eP	P	19 09 56.1	+0.6
BAR	Barrett	38.74	344	eP	P	19 09 54.0	-2.0
LPM	Los Pinos Moun	38.81	358	eP	P	19 09 57.1	+0.3
LAZ	Ladron	38.92	357	eP	P	19 09 58.2	+0.5
Y14A	Wickenburg	39.12	350	eP	P	19 10 00.1	+0.8
Y12C	Blythe	39.24	348	eP	P	19 10 01.0	+0.8
X18A	Snowflake	39.26	354	eP	P	19 10 02.0	-0.4
Y36A	Durant	39.27	12	P	P	19 10 01.1	+0.6
LVC	Limon Verde	39.29	120	P	P	19 10 02.4	+1.2
LVC	Limon Verde	39.29	120	eP	P	19 10 01.5	+0.2
Z40A	Long Farm, Mag	39.34	16	P	P	19 10 01.6	+0.6
X16A	Lo Mia Camp, P	39.34	352	eP	P	19 10 01.5	+0.3
BC3	Big Cackawall	39.36	346	P	P	19 10 02.1	+0.8
ANMO	Albuquerque	39.44	358	P	P	19 10 02.4	+0.4
ANMO	Albuquerque	39.44	358	eP	P	19 10 02.7	+0.6
ANMO	Albuquerque	39.44	358	eP	P	19 10 02.5	+0.4
ANMO	comp=Z,17nm,1.2s						
ANMO	Albuquerque	39.44	358	eP	P	19 10 01.8	-0.3
348A	Jackson	39.48	23	P	P	19 10 02.9	+0.7
AMTX	Amarillo	39.49	4	P	P	19 10 02.8	+0.4
AMTX	Amarillo	39.49	4	eP	P	19 10 01.7	-0.6
Y37A	Hugo	39.49	12	P	P	19 10 02.8	+0.6
Z41A	Richland Creek	39.50	16	P	P	19 10 03.2	+0.8
XPFO	Pizeon Flat	39.56	345	eP	P	19 10 03.0	-0.1
PFO	Pinyon Flats O	39.56	345	eP	P	19 10 02.2	-0.9
PFO	comp=Z,28nm,1.3s						
PFO	Pinyon Flats O	39.56	345	eP	P	19 10 02.1	-0.9
BRAL	Brewton	39.61	25	eP	P	19 10 03.6	+0.3
X35A	Drake	39.63	11	eP	P	19 10 02.4	-1.0
WMOK	Wichita Mounta	39.66	8	P	P	19 10 03.9	+0.1
WMOK	Wichita Mounta	39.66	8	eP	P	19 10 02.6	-1.2
WMOK	Wichita Mounta	39.66	8	eP	P	19 10 02.6	-1.2
PDMCI	Parker Dam,Lak	39.70	348	P	P	19 10 05.3	+1.3
Z42A	Norrel Spur, H	39.76	17	P	P	19 10 05.5	+0.9
IRM	Iron Mountain	39.77	347	P	P	19 10 05.5	+0.8
Y39A	Lockesburg	39.80	14	P	P	19 10 05.3	+0.5
BELC	Belle Mtn. Jos	39.82	346	P	P	19 10 06.4	+1.2
WLAR	White Oak Lake	39.82	16	eP	P	19 10 05.3	+0.3
W18A	Petrified Fore	39.82	354	P	P	19 10 06.1	+0.8
W18A	Petrified Fore	39.82	354	eP	P	19 10 05.5	+0.2
X36A	Centroma	39.91	11	P	P	19 10 06.3	+0.6
Y40A	Okolona	40.08	15	P	P	19 10 07.2	+0.1
X37A	Clayton	40.13	13	P	P	19 10 08.1	+0.5
X37A	Clayton	40.13	13	eP	P	19 10 07.4	-0.2
146A	Union	40.13	21	P	P	19 10 08.4	+0.8
248A	Dixon Mills	40.15	23	P	P	19 10 08.2	+0.4
X38A	Whitesboro	40.33	13	P	P	19 10 09.6	+0.4
X39A	Fountain Ranch	40.34	14	P	P	19 10 10.3	+0.9
W35A	Tecumseh	40.38	10	P	P	19 10 09.8	+0.2
W35A	Tecumseh	40.38	10	eP	P	19 10 09.0	-0.6
WUAZ	Wupatki	40.41	352	P	P	19 10 10.8	+0.7
WUAZ	Wupatki	40.41	352	eP	P	19 10 10.7	+0.6
CCAR	Cane Creek	40.41	17	eP	P	19 10 10.9	+0.9
W13A	Hualapai Mount	40.41	349	eP	P	19 10 10.3	0.0
W36A	Wetumka	40.49	11	P	P	19 10 10.7	+0.2
W36A	Wetumka	40.49	11	eP	P	19 10 10.5	-0.1
GMRC	Granite Mounta	40.49	347	P	P	19 10 11.9	+1.2
MIAR	Mount Ida	40.51	15	P	P	19 10 11.1	+0.3
MIAR	Mount Ida	40.51	15	eP	P	19 10 10.0	-0.7
MIAR	comp=Z,27nm,0.8s						
MIAR	Mount Ida	40.51	15	eP	P	19 10 10.0	-0.7
PASC	Pasadena Art C	40.56	343	eP	P	19 10 12.0	+0.8
MWC	Mount Wilson	40.57	343	eP	P	19 10 12.1	+0.6
MWC	comp=Z,18nm,1.1s						
MWC	Mount Wilson	40.57	343	eP	P	19 10 12.1	+0.6
Z45A	Winona	40.57	20	P	P	19 10 12.1	+0.8
LCO	Las Campanas	40.61	130	eP	P	19 10 11.3	-0.7
LDFC	Landfair	40.65	347	eP	P	19 10 13.8	+1.8
W37B	Quinton	40.65	12	P	P	19 10 12.0	+0.1
W37B	Quinton	40.65	12	eP	P	19 10 11.2	-0.7
HEC	Hector,Ludlow	40.69	346	P	P	19 10 13.3	+0.9
OK020	N3440 Road, Me	40.75	10	eP	P	19 10 12.4	-0.3
OK022	N3560 Road, Pr	40.79	11	eP	P	19 10 13.4	+0.3
Z47A	Carrollton	41.00	22	P	P	19 10 15.2	+0.4
Y45A	Yeager Farm, C	41.08	20	P	P	19 10 15.9	+0.5
W39A	Magazine	41.08	14	P	P	19 10 15.8	+0.4
V36A	Jenks	41.17	11	P	P	19 10 16.1	-0.1
V36A	Jenks	41.17	11	eP	P	19 10 15.9	-0.2
EDW2	Edwards Art O	41.17	344	P	P	19 10 17.2	+0.9
U32A	Winter Ranch,	41.25	8	P	P	19 10 17.5	+0.6
W40A	Ferguson Farm,	41.25	15	P	P	19 10 17.4	+0.6
W40A	Ferguson Farm,	41.25	15	eP	P	19 10 16.0	-0.9
GSC	Goldstone, Bar	41.26	345	P	P	19 10 18.0	+1.0
GSC	Goldstone, Bar	41.26	345	eP	P	19 10 18.0	+1.0
GSC							

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GSC	Goldstone, Bar	41.26	345	eP	P	19 10 18.0	+1.0
LRAL	Lakeview Retre	41.27	23	eP	P	19 10 17.7	-0.3
TUL1	Leonard	41.32	12	P	P	19 10 16.7	+0.3
TUL1	Leonard	41.32	12	eP	P	19 10 16.9	-0.5
Y46A	Houston	41.33	21	P	P	19 10 17.7	+0.3
Z48A	Northport	41.35	22	P	P	19 10 18.1	+0.4
V37A	Hulbert	41.43	12	P	P	19 10 17.8	-0.4
U15A	North Rim	41.44	351	eP	P	19 10 19.0	+0.3
W41B	Gan Flaviy, W	41.46	16	P	P	19 10 18.8	+0.3
X301	Greenbrier Sit	41.48	16	eP	P	19 10 18.6	-0.1
WHAR	Woolly Hollow	41.55	16	eP	P	19 10 19.4	+0.1
U35A	Pawnee	41.59	10	P	P	19 10 19.5	-0.1
U35A	Pawnee	41.59	10	eP	P	19 10 19.4	-0.2
T25A	Trinidad	41.61	1	P	P	19 10 20.6	+0.6
T25A	Trinidad	41.61	1	eP	P	19 10 20.3	+0.3
X45A	UM Field Stati	41.63	20	P	P	19 10 19.8	-0.2
Y47A	UCPARC, Winfie	41.71	22	P	P	19 10 20.8	+0.2
V39A	Pettigaw	41.72	14	P	P	19 10 20.9	+0.1
MVCO	Mesa Verde	41.79	356	P	P	19 10 21.9	+0.4
MVCO	Mesa Verde	41.79	356	eP	P	19 10 21.8	+0.3
U36A	Oologah	41.80	11	P	P	19 10 21.0	-0.3
SAML	Samuel	41.85	98	eP	P	19 10 20.9	-1.2
V40A	Witts Springs	41.90	15	P	P	19 10 22.4	+0.2
SHPR	Sheep Range	42.03	348	eP	P	19 10 24.5	+1.1
V41A	Moutainview	42.06	16	P	P	19 10 23.7	+0.2
HHAR	Hobbs	42.08	14	eP	P	19 10 23.1	-0.5
KNB	Kanab	42.10	351	eP	P	19 10 24.7	+0.7
KNB	comp=Z,45nm,1.4s						
KNB	Kanab	42.10	351	eP	P	19 10 24.7	+0.7
U38A	comp=Z,45nm,1.4s						
U38A	Gravette	42.12	13	P	P	19 10 24.6	+0.6
MPMC	Manual Prospec	42.15	345	P	P	19 10 25.3	+0.9
T34A	McClaskey Farm	42.15	9	P	P	19 10 24.1	0.0
T35A	Sooner Cattle	42.16	10	P	P	19 10 24.0	-0.3
LCMT	Little Creek M	42.16	350	eP	P	19 10 25.5	+1.0
S22A	4UR Ranch, Cre	42.24	358	P	P	19 10 25.6	+0.4
S22A	4UR Ranch, Cre	42.24	358	eP	P	19 10 25.5	+0.2
Y39A	Green Forest	42.28	14	P	P	19 10 25.1	-0.2
U42A	Cord	42.29	17	P	P	19 10 25.4	+0.1
W45A	comp=Z,20nm,0.8s						
W45A	Hicory Valley	42.37	20	P	P	19 10 26.2	+0.2
FURC	Furnace Creek,	42.38	346	P	P	19 10 27.5	+1.5
DAC	Darwin (Calif)	42.38	345	eP	P	19 10 27.0	+0.7
DAC	comp=Z,16nm,1.3s						
DAC	Darwin (Calif)	42.38	345	eP	P	19 10 27.0	+0.7
U40A	Yellie	42.41	15	P	P	19 10 26.5	+0.1
T36A	Boggs Farm, Ca	42.41	11	P	P	19 10 26.2	-0.1
PLAL	Pickwick Lake	42.60	21	eP	P	19 10 27.1	-0.7
U41A	Viola	42.65	16	P	P	19 10 28.4	+0.1
CWC	Cottonwood Cre	42.66	345	P	P	19 10 29.3	+0.7
T37A	Cheneyville 18	42.67	12	P	P	19 10 28.2	-0.2
TPNV	Topopah Spring	42.69	347	P	P	19 10 29.7	+0.9
TPNV	Topopah Spring	42.69	347	eP	P	19 10 29.5	+0.7
TPNV	comp=Z,31nm,1.4s						
TPNV	Topopah Spring	42.69	347	eP	P	19 10 29.5	+0.7
PV05	Paradox Valley	42.70	355	eP	P	19 10 30.2	+1.2
CCUT	Cedar City	42.71	302	eP	P	19 10 29.2	+0.2
T38A	Diamond	42.72	13	P	P	19 10 29.1	+0.3
S34A	Willow Spring	42.82	9	P	P	19 10 29.7	+0.1
U42A	Reverend	42.84	17	P	P	19 10 30.1	+0.2
T39A	Cleaver	42.92	14	P	P	19 10 30.4	-0.1
S35A	Otter Creek Ra	42.94	10	P	P	19 10 30.5	-0.1
V45A	Humboldt	42.98	19	P	P	19 10 30.8	-0.1
GRAC	Grapevine Rang	43.00	346	P	P	19 10 32.1	+0.9
MTPU	Mount Pierson	43.01	352				



19d 19h

Table with columns for station ID, name, frequency, power, and coordinates. Includes stations like CTU Camp Tracy, PNTR Pine Nut, P40A Paris, etc.

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Table with columns for station ID, name, frequency, power, and coordinates. Includes stations like M04C Macdoel, HLID Hailey, HLID Halley, etc.

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Table with columns for station ID, name, frequency, power, and coordinates. Includes stations like C36A Pine Crest Far, AGMN Agassiz Nation, AGMN Agassiz Nation, etc.



Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like SONM Songio Array, H11S1 WAKE ISLAND, SEY Sychman, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like CMAR comp=Z,3.0nm,0.7s, CM01 Chiang Mai Arr, NAYO Nakonayok, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like CNPM China Poot, PYUN Piuthan, BPAW Bear Paw Mtn, etc.

EGAK	Eagle	53.50	31	eP	P	19 36 56.0	+1.0
KK31	Karatay Array	53.59	301	iP	P	19 36 55.3	-0.8
KKAR	Karatay Array	53.59	301	eP	P	19 36 56.1	0.0
KKAR	Karatay Array	53.59	301	eP	P	19 36 56.1	0.0
KKAR	Karatay Array	53.59	301	eP	P	19 36 56.1	0.0
DAWY	Dawson	54.35	32	eP	P	19 37 01.9	+0.6
FITZ	Fitzroy Crossi	55.19	198	P	P	19 37 08.2	+0.4
WRAB	Tennant Creek	55.42	188	eP	P	19 37 09.3	-0.2
WRAB	Tennant Creek	55.42	188	eP	P	19 37 09.3	-0.2
WB2	Warramunga Arr	55.43	188	eP	P	19 37 08.2	-1.4
WR1	Warramunga Arr	55.43	188	eP	P	19 37 09.3	-0.3
WRA	Warramunga Arr	55.43	188	eP	P	19 37 09.3	-0.3
CTAO	Charters Tower	55.46	174	eP	P	19 37 09.7	0.0
CTAO	Charters Tower	55.46	174	eP	P	19 37 09.7	0.0
CTAO	Charters Tower	55.46	174	eP	P	19 37 09.7	0.0
HYT	Haines Junctio	55.81	36	eP	P	19 37 14.8	+2.8
INK	Inuvik	55.98	27	P	P	19 37 14.3	+1.3
INK	Inuvik	55.98	27	eP	P	19 37 14.2	+1.3
INK	Inuvik	55.98	27	eP	P	19 37 14.2	+1.3
SVE	Sverdlouf	56.08	319	iP	P	19 37 13.9	+0.1
SVE	Sverdlouf	56.08	319	iP	P	19 37 13.9	+0.1
WHY	Whitehorse	57.11	36	eP	P	19 37 23.3	+2.1
ARU	Arti	57.29	319	iP	P	19 37 21.9	-0.5
ARU	Arti	57.29	319	iP	P	19 37 21.9	-0.5
ARU	Arti	57.29	319	iP	P	19 37 21.9	-0.5
ARU	Arti	57.29	319	iP	P	19 37 21.9	-0.5
ARU	Arti	57.29	319	iP	P	19 37 21.9	-0.5
SOKR	Solikamsk	57.35	323	eP	P	19 37 21.8	-0.9
SOKR	Solikamsk	57.35	323	eP	P	19 37 21.8	-0.9
KBL	Kabul	57.62	292	eP	P	19 37 25.6	+0.2
KBL	Kabul	57.62	292	eP	P	19 37 25.6	+0.2
KBL	Kabul	57.62	292	eP	P	19 37 25.6	+0.2
HYB	Hyderabad	57.77	269	iP	P	19 37 26.0	-0.4
AB31	Akbulak array	58.66	311	P	P	19 37 31.0	-1.2
AB31	Akbulak array	58.66	311	P	P	19 37 31.0	-1.2
ABKAR	Akbulak array	58.66	311	eP	P	19 37 31.9	-0.2
AS01	Alice Springs	59.16	187	eP	P	19 37 35.6	-0.2
AS31	Alice Springs	59.16	187	eP	P	19 37 36.8	+1.0
ASAR	Alice Springs	59.16	187	P	P	19 37 36.0	+0.2
ASAR	Alice Springs	59.16	187	P	P	19 37 36.0	+0.2
AKTO	Aktyubinsk	59.45	313	P	P	19 37 32.6	-1.4
AKTO	Aktyubinsk	59.45	313	P	P	19 37 32.6	-1.4
MBWA	Marble Bar	59.77	203	eP	P	19 37 39.9	-0.2
DLBC	Dease Lake	60.13	37	eP	P	19 37 42.9	+0.7
POO	Poono	61.04	273	iP	P	19 37 43.0	-6.0
PALK	Pallekele	61.64	258	eP	P	19 37 51.9	-1.2
PALK	Pallekele	61.64	258	eP	P	19 37 51.9	-1.2
SPA0	Spitsbergen Ar	62.00	349	eP	P	19 37 54.7	+0.1
DZM	Mont Dzumac	62.11	153	P	P	19 37 58.2	+2.2
LZV	Lovozero	63.40	336	eP	P	19 38 02.7	-1.3
LZV	Lovozero	63.40	336	eP	P	19 38 02.7	-1.3
TMCR	Tamitsa	63.95	332	eP	P	19 38 07.0	-0.6
TMCR	Tamitsa	63.95	332	eP	P	19 38 07.0	-0.6
RES	Resolute Bay	64.24	14	P	P	19 38 10.2	+0.8
GEYT	Alibeck	64.26	299	P	P	19 38 10.2	0.0
GEYT	Alibeck	64.26	299	P	P	19 38 10.2	0.0
KEV	Kevo	64.78	339	eP	P	19 38 12.7	-0.3
KEV	Kevo	64.78	339	eP	P	19 38 12.7	-0.3
KEV	Kevo	64.78	339	eP	P	19 38 12.7	-0.3
KLMR	Klimovskoe	64.89	328	eP	P	19 38 11.4	-2.4
KLMR	Klimovskoe	64.89	328	eP	P	19 38 11.4	-2.4
ARA0	ARCESS Array S	65.34	340	eP	P	19 38 16.9	+0.1
ARCES	ARCESS Array B	65.34	340	P	P	19 38 16.9	+0.1
ARCES	ARCESS Array B	65.34	340	P	P	19 38 16.9	+0.1
YKA	Yellowknife Ar	65.38	30	eP	P	19 38 17.6	+0.6
YKA	Yellowknife Ar	65.38	30	eP	P	19 38 17.6	+0.6
YKB5	Yellowknife Ar	65.38	30	eP	P	19 38 17.6	+0.6
TULEG	Thule	66.72	7	eP	P	19 38 24.7	-0.7
STKA	Stevens Creek	66.97	179	P	P	19 38 27.8	+0.3
STKA	Stevens Creek	66.97	179	P	P	19 38 27.8	+0.3
FORT	Fortress	66.97	192	eP	P	19 38 27.9	+0.4
DAG	Danmarks Havn	67.32	355	iP	P	19 38 29.1	-0.1
DAG	Danmarks Havn	67.32	355	iP	P	19 38 29.1	-0.1
BBOO	Buckleboo	68.05	184	eP	P	19 38 33.8	-0.5
NLWA	Neilton Looko	68.09	47	eP	P	19 38 36.8	+2.2
MAK	Makhachkala	69.12	308	eP	P	19 38 35.2	-5.9
MAK	Makhachkala	69.12	308	eP	P	19 38 35.2	-5.9
MAK	Makhachkala	69.12	308	eP	P	19 38 35.2	-5.9
MAK	Makhachkala	69.12	308	eP	P	19 38 35.2	-5.9
MAK	Makhachkala	69.12	308	eP	P	19 38 35.2	-5.9
OBN	Obninsk	69.13	323	iP	P	19 38 40.6	-0.3
OBN	Obninsk	69.13	323	iP	P	19 38 40.6	-0.3
OBN	Obninsk	69.13	323	iP	P	19 38 40.6	-0.3
OBN	Obninsk	69.13	323	iP	P	19 38 40.6	-0.3
LPSR	Galich ya Gora	69.27	320	eP	P	19 38 41.0	-0.8
LPSR	Galich ya Gora	69.27	320	eP	P	19 38 41.0	-0.8
VSR	Storozhevo	69.86	319	eP	P	19 38 44.3	-1.2
VSR	Storozhevo	69.86	319	eP	P	19 38 44.3	-1.2
FIA1	FINESS Array S	70.03	332	eP	P	19 38 45.8	-0.5

FLAO	FINESS Array S	70.03	332	eP	P	19 38 46.1	-0.3
FLAO	FINESS Array S	70.03	332	eP	P	19 38 46.0	-0.3
FINES	FINESS Array B	70.03	332	P	P	19 38 46.0	-0.3
FINES	FINESS Array B	70.03	332	P	P	19 38 46.0	-0.3
SEKA	Sheki	70.19	307	P	P	19 38 45.3	-2.5
ZKTA	Zakatala	70.35	307	P	P	19 38 46.6	-2.1
LKRN	Lenkeran, Azer	70.38	304	P	P	19 38 46.5	-2.0
MNGR	Mingechevir, A	70.48	306	P	P	19 38 47.5	-2.0
GANU	Ganja	71.05	307	P	P	19 38 50.9	-2.1
CO9A	Chrisman Ranch	71.15	44	eP	P	19 38 54.7	+1.3
GUDG	Gudauri	71.30	309	P	P	19 38 54.7	0.0
BANOM	Banah	71.34	289	P	P	19 38 55.0	0.0
BANOM	Banah	71.34	289	P	P	19 38 55.3	+0.3
BANOM	Banah	71.34	289	P	P	19 38 55.3	+0.3
BANOM	Banah	71.34	289	P	P	19 38 55.3	+0.3
ZELI	Tsey	71.50	310	eP	P	19 38 52.7	-3.2
TBLG	Delisi	71.52	308	P	P	19 38 55.8	-0.1
TBLG	Delisi	71.52	308	P	P	19 38 55.7	-0.1
NWAO	Narogin (SRO)	71.55	201	P	P	19 38 56.4	+0.6
VSU	Vasula	71.62	330	iP	P	19 38 56.0	0.0
VSU	Vasula	71.62	330	iP	P	19 38 56.0	0.0
KBZ	Khabaz	71.64	311	P	P	19 38 56.5	+0.1
KBZ	Khabaz	71.64	311	P	P	19 38 56.5	+0.1
KBZ	Khabaz	71.64	311	P	P	19 38 56.5	+0.1
KIV	Kislovodsk	71.65	311	eP	P	19 38 56.8	+0.2
KIV	Kislovodsk	71.65	311	eP	P	19 38 56.8	+0.2
KIV	Kislovodsk	71.65	311	eP	P	19 38 56.8	+0.2
KIV	Kislovodsk	71.65	311	eP	P	19 38 56.8	+0.2
KIV	Kislovodsk	71.65	311	eP	P	19 38 56.8	+0.2
ONI	Oni	71.89	310	P	P	19 38 58.2	+0.2
ONI	Oni	71.89	310	P	P	19 38 58.2	+0.2
UOSS	Minazif	71.92	288	eP	P	19 38 58.5	0.0
NEY	Neytrino	72.00	310	iP	P	19 38 59.0	+0.2
NEY	Neytrino	72.00	310	iP	P	19 38 59.0	+0.2
HATD	Hatta, Dubai	72.03	288	iP	P	19 38 59.1	-0.1
HATD	Hatta, Dubai	72.03	288	iP	P	19 38 59.8	+0.6
HATD	Hatta, Dubai	72.03	288	iP	P	19 38 59.8	+0.6
HATD	Hatta, Dubai	72.03	288	iP	P	19 38 59.8	+0.6
HATD	Hatta, Dubai	72.03	288	iP	P	19 38 59.8	+0.6
ASHO	Ashtiyah	72.16	288	iP	P	19 38 59.9	0.0
ASHO	Ashtiyah	72.16	288	iP	P	19 38 59.9	0.0
ASHO	Ashtiyah	72.16	288	iP	P	19 38 59.9	0.0
ASHO	Ashtiyah	72.16	288	iP	P	19 38 59.9	0.0
SUMG	Summit	72.27	360	iP	P	19 39 00.9	+0.7
SUMG	Summit	72.27	360	iP	P	19 39 00.9	+0.7
SUMG	Summit	72.27	360	iP	P	19 39 00.9	+0.7
SUMG	Summit	72.27	360	iP	P	19 39 00.9	+0.7
SUMG	Summit	72.27	360	iP	P	19 39 00.9	+0.7
GNI	Garni	72.34	307	eP	P	19 39 01.8	+0.9
GNI	Garni	72.34	307	eP	P	19 39 01.8	+0.9
GNI	Garni	72.34	307	eP	P	19 39 01.8	+0.9
GNI	Garni	72.34	307	eP	P	19 39 01.8	+0.9
GNI	Garni	72.34	307	eP	P	19 39 01.8	+0.9
AKH	Akhalkalaki	72.48	309	P	P	19 39 02.4	+0.6
AKH	Akhalkalaki	72.48	309	P	P	19 39 02.9	+1.1
AKH	Akhalkalaki	72.48	309	P	P	19 39 02.3	+0.6
BGD	Bogdanovka	72.49	308	P	P	19 39 02.5	+0.7
FQD	Al Faqa, Dubai	72.49	288	iP	P	19 39 01.1	-0.8
CHVG	Chkvaleri	72.67	310	P	P	19 39 03.1	+0.4
JTMT	Jette	73.42	43	eP	P	19 39 09.2	+2.0
IZAR	Zarasi	73.53	328	eP	P	19 39 07.8	+0.3
IZAR	Zarasi	73.53	328	eP	P	19 39 09.1	
IDID	Didziasali	73.59	327	eP	P	19 39 08.1	+0.3
IDID	Didziasali	73.59	327	eP	P	19 39 08.5	
ARTV	Artvin	73.60	309	eP	P	19 39 08.7	+0.2
ISAL	Salakas	73.70	328	eP	P	19 39 08.7	+0.3
ISAL	Salakas	73.70	328	eP	P	19 39 09.3	
SWMT	Switz Lake	73.72	43	eP	P	19 39 09.8	+0.9
IIGN	Ignalina	73.80	327	eP	P	19 39 09.4	+0.3
IIGN	Ignalina	73.80	327	eP	P	19 39 10.3	
NACGM	Naroch	73.83	327	eP	P	19 39 08.0	-1.2
BEKR	Beckworth	74.14	52	eP	P	19 39 12.7	+1.1
MSO	Missoula	74.14	44	P	P	19 39 13.3	+2.0
SLMT	Seeley Lake	74.15	43	eP	P	19 39 13.1	+1.6
JSTM	San Jose H	74.64	55	eP	P	19 39 15.0	+0.7
AKASG	Malin Array B	75.31	322	P	P	19 39 17.4	-0.5
AKASG	Malin Array B	75.31	322	P	P	19 39 17.4	-0.5
AKASG	Malin Array B	75.31	322	P	P	19 39 17.4	-0.5
AKASG	Malin Array B	75.31	322	P	P	19 39 17.4	-0.5
AKASG	Malin Array B	75.31	322	P	P	19 39 17.4	-0.5
AKKB	Malin Array Si	75.31	322	eP	P	19 39 16.9	-1.0
AKKB	Malin Array Si	75.31	322	eP	P	19 39 16.9	-1

19d 19h

Table with columns: BRG, Berggiesshubel, 82.21 329, i P, P, 19 39 55.9 0.0, etc. Lists various stations and their coordinates.

2011 NOV

Table with columns: TXAR, comp=Z, 1.0nm, 0.6s, pmax, pmax, etc. Lists stations and their coordinates.

1098

Table with columns: MORF, Marnelette, 1.14 307, eP, Pn, 19 41 04.3 -0.1, etc. Lists stations and their coordinates.



19d 19h

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like KIV Kislovodsk, YBMT Yellow Bay, SWMT Swartz Lake, etc.

KRNET 19 19:46:14.9-0.1,39.17N;72.15E,mb2.4
NNC 19 19:46:16.4-2.3,39.33N;72.59E,h0km,mb2.8,mpv2.4
Error ellipse: s-maj=18.0km s-min=7.8km az=171.0

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like SFK Sufi-Kurgan, BTk Batken, ARK Arkit, etc.

SKHL 19 19:53:54.7-0.1,52.70N;142.80E,h10km,mb4.5/7
ISCJB 19 19:53:55.2-0.2,52.74N;142.91E;0.04,h10km,mb4.4/51,Error ellipse: s-maj=3.6km s-min=3.1km az=158.6

MOS 19 19:53:55.4-1.3,52.81N;142.97E,h12km,mb4.2/13,Error ellipse: s-maj=11.4km s-min=6.5km az=89.0
IDC 19 19:53:55.4-0.6,52.83N;142.86E,h0km,mb3.9/17,mb1.4/0.22,mb1mx4.0/38,mbtmp3.9/22,ML3.0/4,MS3.1/1,Ms1.3/1.1,ms1mx2.4/41,Error ellipse: s-maj=15.1km s-min=13.3km az=105.0

NEIC 19 19:53:56.5-2.1,52.80N;142.84E,h6km,13km,mb4.8/35,Error ellipse: s-maj=5.2km s-min=3.5km az=160.0
ISC 19 19:53:57.3-1.5,52.83N;142.94E;0.04,h10km,9km,n152,rt924/165,mb4.6/51,14C-5D,Sakhalin Island

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like OKH Okha, KURK Kurchatov, etc.

2011 NOV

Main table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like NKLL Nikolayevsk, KURK Kurchatov, etc.

1100

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





19d 20h

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like LSTR Listvyanka, SYVR Suvo, IRK Irkutsk, etc.

2011 NOV

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like UKT Uakit, NLYR Nelyaty, CRIS Chara, etc.

1102

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like MJAR, MAT Matsushiro, H11N1 WAKE ISLAND Hy, etc.

Table with columns: MONP2, PFO, PFO, PFO, SWSC, IKP, BAR, BAR, 109C, 109C, BELC, BELC, BC3, BC3, MURC, MURC, TJIG, TJIG, CBX, CBX, CBX, BBRC, GLA, GLA, IRM, IRM, BFSC, BFSC, SSK, Y12C, Y12C, HEC, HEC, GMRC, GMRC, RRR, RRR, FMP, FMP, MWC, MWC, PASO, PASO, SC12, SC12, LDFO, LDFO, GSC, GSC, SPIG, SPIG, SPIG, SPIG, W13A, W13A, SNCC, SNCC, Y14A, Y14A, ISA, ISA, DAC, DAC, SHPR, SHPR, SHPR, SHPR, X16A, X16A, LCMT, LCMT, WUAZ, WUAZ, TUC, TUC, KNB, KNB, PMPB, PMPB, CCUT, CCUT, EKU, EKU, MDPB, MDPB, SZCU, SZCU, SZCU, SZCU, RT1A, RT1A, BVL, BVL, PKCU, PKCU, PKCU, PKCU, X15A, X15A, SAO, SAO, SAO, SAO, W18A, W18A, MTRF, MTRF, CMB, CMB, WAKR, WAKR, 319A, 319A, TRCU, TRCU, YERR, YERR, MSU, MSU, PNTR, PNTR, SRIG, SRIG, AFDM, AFDM, BEKR, BEKR, MVCO, MVCO, C04A, C04A

Table with columns: RUGZ, MWZ, RIGZ, RIGZ, RIGZ, MHGZ, URZ, URZ, URZ, URZ, SNGZ, SNGZ, RTZ, MTHZ, ARHZ, KAHZ, PKZ

NSSC 19 20:43:06.7.2.0.38:34N:43:37E, h0km,245km, MD2.3, ML2.6
ISK 19 20:43:09.3.38:31N:42:84E, h5km, ML3.0
ISCJB 19 20:43:11.2.0.5.36:30N:0:02:42:84E:0.03, h2km,4km, Error ellipse: s-maj=4.0km s-min=3.0km az=138.0
DDA 19 20:43:11.2.39:31N:42:87E, h7km, ML3.4
ATA 19 20:43:11.2.1.6.38:39N:42:86E, h0km,6km, MD2.7, ML3.7, MW3.7
CSEM 19 20:43:11.0.0.1.38:30N:42:89E, h10km, ML3.4, Error ellipse: s-maj=3.5km s-min=3.1km az=155.0
ISC 19 20:43:12.0.0.9.38:32N:0:02:42:87E:0.02, h9km,7km, n63, c114/92, Turkey

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

NIED 19 20:50:00.39:60N:143:50E, h17km, Mw3.7 Best double couple: M=4.56000x10^14 NP1=224.00000, s21.00000, s1.07.00000 NP2=25.00000, s70.00000, s84.00000 ISCJB 19 20:50:28.9.0.0.6.39:64N:0:04:143:56E:0.05, h11km, mb3.1/3, Error ellipse: s-maj=6.8km s-min=4.6km az=147.0

JMA 19 20:50:30.9.0.2.39:65N:143:53E, h28km, M4.1
IDC 19 20:50:33.4.5.8.39:56N:143:51E, h39km,44km, mb3.4/11, mb1.3/6.14, mb1mx3.5/35, mbtmp3.6/14, ML3.5/2, MS2.8/1, Ms1.2/8.1, ms1m2.2/32, Error ellipse: s-maj=24.3km s-min=16.8km az=105.0
ISC 19 20:50:30.8.0.8.39:64N:0:05:143:48E:0.06, h11km, n30, c1959/40, mb3.7/13, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

IDC 19 21:00:32.2.5.1.37:83N:140:02E, h0km, mb3.5/2, mb1.3/8.2, mb1mx3.3/45, mbtmp3.5/2, MS3.7/1, Ms1.3/7.1, ms1mx2.6/42, Error ellipse: s-maj=107.4km s-min=39.3km az=161.0
ISCJB 19 21:00:35.1.0.5.37:68N:0:03:139:95E:0.03, h7km,4km, mb3.7/2, MS3.7/1, Error ellipse: s-maj=4.4km s-min=3.6km az=152.0
JMA 19 21:00:35.4.37:68N:139:92E, h9km,1km, M3.1
JMA Fell III J1

ISC 19 21:00:33.9.1.3.37:75N:0:04:139:96E:0.03, h6km,10km, n16, c087/28, Eastern Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

WEL 19 20:37:28.6.0.3.37:39S:179:93E, h33km, ML3.5/10, 2C-2D, Error ellipse: s-maj=4.2km s-min=2.5km az=0.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Bull 19 21:04:16.7.81:20N:2:60W, h10km, mb4.5/17, mb4.9/14, Ms4.6/12, Ms7.4/3/14
CSEM 19 21:04:19.4.0.2.81:23N:2:64W, h4km, mb4.7/18, Error ellipse: s-maj=9.9km s-min=6.6km az=27.0
ISCJB 19 21:04:19.2.0.3.81:16N:0:04:2:54E:0.2, h10km, mb4.3/47, MS3.7/21, Error ellipse: s-maj=6.6km s-min=5.0km az=26.7
GCMT 19 21:04:21.1.0.3.80:79N:2:93W, h12km, MW4.7/76, Moment Tensor Solution. s11,c13; s76,c102; Duration: 0 Moment Tensor: Scale 10^19Nm; Mr=1.26; 06; M=0.02z:07; M=1.29z:04; M=0.54z:31; M=0.22z:05; M=0.18z:17; Best double couple: M1:4.06000x10^16 NP1=169.00000, s51.00000, A=118.00000. NP2:







Table with columns for flight codes (e.g., TYV, JAB, ERM), destinations (e.g., AMS, AMS), times (e.g., 22 13 24.0), and status (e.g., P, Pn, S).

Table with columns for flight codes (e.g., HABR, JYA, JFK), destinations (e.g., AMS, AMS), times (e.g., 22 13 26.5), and status (e.g., P, Pn, S).

Table with columns for flight codes (e.g., ADK, ADK), destinations (e.g., Adak, Adak), times (e.g., 21.27 64), and status (e.g., eP, Pmax, P).









Table with columns: Name, Species, Date, Time, Location, and other details. Includes entries like EYMN Ely, H33A Pohn, OGNE Ogallala, etc.

Table with columns: Name, Species, Date, Time, Location, and other details. Includes entries like LAZ Lador, ANMO Albuquerque, ANMO Albuquerque, etc.

Table with columns: Name, Species, Date, Time, Location, and other details. Includes entries like KPL comp=Z,66nm,0.9s, L38A Oak Wood Farm, M37A Trine Farm, etc.

19D 22h

Table with columns: ID, Name, Time, Status, and other details. Includes entries like SMDO Samad, HATD Hatta, VRI Vriocioia, etc.

2011 NOV

Table with columns: ID, Name, Time, Status, and other details. Includes entries like BSY SNR=5.8, VYHS Vyhne, O40A La Belle, etc.

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Table with columns: ID, Name, Time, Status, and other details. Includes entries like R40A Maddies Statio, W35A Tecumseh, TUL1 Leonard, etc.

FVM	French Village	79.15	45	eP	P	22 17 53.8	-0.6
R43A	Red Bud	79.16	45	P	P	22 17 53.8	-0.7
PLVO	Plevin	79.16	33	eP	P	22 17 53.8	-0.6
SSW	Stow on the Wo	79.19	344	eP	P	22 17 55.1	+0.8
V39A	Pittigrew	79.19	49	P	P	22 17 54.0	-0.8
U40A	Yellville	79.20	48	P	P	22 17 54.1	-0.7
P45A	Graceland, Par	79.21	43	P	P	22 17 54.2	-0.6
T41A	Mountain View	79.22	47	P	P	22 17 53.8	-1.1
BTCH	Batrach	79.22	312	eP	P	22 17 51.9	-3.1
MPEP	Malo Peshtene	79.22	324	iP	P	22 17 55.2	+0.4
X37A	Clayton	79.22	51	eP	P	22 17 54.5	-0.5
X37A	Clayton	79.24	51	eP	P	22 17 54.9	-0.1
Y36A	Durant	79.27	52	P	P	22 17 54.8	-0.4
W38A	Poteau	79.32	50	P	P	22 17 55.3	-0.2
O47A	Sheridan	79.37	41	P	P	22 17 54.6	-1.0
MCH1	Michaelchurch	79.38	344	eP	IAMB	22 17 55.8	+0.4
KOGS	Kog	79.38	330	iP	P	22 17 55.7	+0.2
P46A	Rosedale	79.39	42	P	P	22 17 55.3	-0.5
STRD	Stroud	79.43	344	eP	IAMB	22 17 56.2	+0.5
LPW	Lampeter	79.46	345	eP	IAMB	22 17 56.2	+0.4
X38A	Whitesboro	79.47	50	P	P	22 17 56.1	-0.2
MONM	Monmouth	79.49	344	eP	IAMB	22 17 56.3	+0.2
STU	Stuttgart	79.52	336	eP	P	22 17 57.3	+1.0
STU	Stuttgart	79.52	336	eP	P	22 17 57.3	+1.0
DOU	Dourbes	79.53	339	P	P	22 17 57.4	+1.1
WLF	Walferdange	79.53	338	eP	P	22 18 00.6	+4.3
WLF	Walferdange	79.53	338	eP	P	22 17 56.7	+0.4
WLF	Walferdange	79.53	338	eP	P	22 17 56.7	+0.4
T42A	Van Buren	79.56	46	P	P	22 17 55.9	-0.8
Y37A	Hugo	79.57	51	P	P	22 17 56.4	-0.4
SOKA	Sotho	79.59	331	iP	P	22 17 56.7	-0.1
R44A	Waltonville	79.59	44	P	P	22 17 56.3	-0.6
ARNB	Armat	79.61	312	eP	P	22 17 53.3	-3.8
SWN1	Swindon	79.61	343	eP	IAMB	22 17 57.0	+0.3
W39A	Magazing	79.61	49	P	P	22 17 56.2	-0.8
V40A	Witts Springs	79.64	48	P	P	22 17 56.1	-1.1
S43A	Fulton Ridge	79.64	45	P	P	22 17 56.6	-0.6
Z36A	Blue Ridge	79.67	52	P	P	22 17 56.9	-0.5
OL1L	Olney	79.67	43	eP	P	22 17 57.0	-0.3
U41A	Viola	79.68	47	P	P	22 17 56.4	-1.0
HGH	Gray Hill	79.68	344	eP	P	22 17 57.1	0.0
WOL	Wolverton	79.69	343	eP	IAMB	22 17 57.4	+0.3
LNF	Langenberg	79.72	337	eP	P	22 17 58.1	+0.7
KBA	Koelnbreinsper	79.79	332	iP	P	22 17 58.1	+0.1
Q46A	CEJHS Indians	79.79	43	P	P	22 17 57.4	-0.5
BOLV	Bolvadin	79.84	317	eP	P	22 17 59.3	+1.0
JCT	Junction City	79.88	56	P	P	22 17 58.4	-0.2
JCT	Junction City	79.88	56	eP	P	22 17 58.5	-0.2
OBKA	Obir	79.90	331	iP	P	22 17 58.5	0.0
FORT	Forrest	79.91	200	eP	P	22 17 59.3	+1.0
T43A	Greenville	79.92	46	P	P	22 17 58.1	-0.5
P47A	Martinsville	79.93	42	P	P	22 17 58.0	-0.7
R45A	Skylar, Fairfi	79.94	44	P	P	22 17 58.4	-0.4
S44A	Carbondale	79.95	45	P	P	22 17 58.3	-0.3
X39A	Fountain Ranch	79.97	50	P	P	22 17 58.7	-0.3
W40A	Ferguson Farm,	79.99	49	P	P	22 17 58.5	-0.5
W40A	Ferguson Farm,	79.99	49	eP	P	22 17 58.6	-0.4
V41A	Mountainview	80.00	48	P	P	22 17 58.1	-1.0
U42A	Revdenden	80.02	47	P	P	22 17 58.1	-1.0
DIVS	Divivare	80.06	327	P	P	22 17 59.3	-0.1
BLO	Bloomington	80.06	42	eP	P	22 17 58.9	-0.5
BLO	Bloomington	80.06	42	eP	P	22 17 58.9	-0.5
VTS	Vitosha	80.07	324	iP	P	22 18 00.5	+0.9
VTS	Vitosha	80.07	324	eP	P	22 17 59.2	-0.4
VTS	Vitosha	80.07	324	iP	P	22 17 59.5	-0.1
VTS	Vitosha	80.07	324	eP	P	22 17 59.1	-0.4
VTS	Vitosha	80.07	324	P	P	22 18 00.3	+0.7
WHTX	Lake Whitney,	80.07	54	P	P	22 17 59.5	0.0
WHTX	Lake Whitney,	80.07	54	eP	P	22 17 59.6	0.0
Y38A	Terra Mystica	80.08	51	P	P	22 17 58.9	-0.7
MYKA	Terra Mystica	80.09	332	iP	P	22 17 58.9	-0.6
PBMO	Poplar Bluff	80.09	46	eP	P	22 17 55.6	-3.9
WATA	Walderalm	80.11	334	iP	P	22 17 59.8	+0.1
WTTA	Wattenberg	80.16	334	iP	P	22 18 00.6	+0.6
BFO	Black Forest	80.16	336	eP	P	22 17 59.9	+0.1
BFO	Black Forest	80.16	336	eP	P	22 17 59.9	+0.1
BFO	Black Forest	80.16	336	eP	P	22 17 59.9	+0.1
Z37A	Pogue Cattle C	80.16	52	P	P	22 17 59.7	-0.3
RZN	Rozhen	80.20	323	iP	P	22 18 00.8	+0.5
I36A	Ennis	80.22	53	P	P	22 17 60.0	-0.3
MIAR	Mount Ida	80.22	49	P	P	22 18 00.0	-0.2
MIAR	Mount Ida	80.22	49	eP	P	22 18 00.1	-0.2
MIAR	Mount Ida	80.22	49	eP	P	22 18 00.1	-0.2
RETA	Reutte	80.22	334	iP	P	22 18 01.0	+0.8

ROOS	ti alroos	80.22	310	eP	P	22 18 04.6	+4.2
MOTA	Moosalm	80.25	334	iP	P	22 18 00.2	-0.2
T44A	Bratocast	80.26	45	P	P	22 18 00.3	-0.2
S45A	Carrier Mills	80.28	44	P	P	22 18 00.2	-0.4
BBOO	Bucklebo	80.29	193	eP	P	22 18 01.0	+0.7
Q47A	Bedord North L	80.30	42	P	P	22 18 00.2	-0.4
X301	Grenbrier Sit	80.30	48	eP	P	22 17 60.0	-0.7
RDO	Rodhopi	80.30	322	P	P	22 18 01.5	+0.9
RDO	Rodhopi	80.30	322	P	P	22 18 01.5	+0.9
WHAR	Wooly Hollow	80.31	48	eP	P	22 18 00.2	-0.6
LJUJ	Ljubljana	80.31	331	eP	P	22 18 00.8	+0.1
ABTA	Abfaltersbach	80.34	333	iP	P	22 18 00.2	-0.7
R46A	Gibon Southern	80.37	43	P	P	22 18 00.6	-0.4
V42A	Ozalj	80.37	47	P	P	22 18 00.1	-1.0
OZLJ	Ozalj	80.37	330	P	P	22 18 00.8	-0.1
ENEZ	Enez	80.38	321	P	P	22 18 01.8	+0.8
Y39A	Lockesburg	80.42	50	P	P	22 18 00.9	-0.5
U43A	Rektor	80.42	46	P	P	22 18 01.0	-0.3
W41B	Gary Mavly, V	80.42	48	P	P	22 18 00.8	-0.6
LONY	Lake Ozonia	80.44	31	eP	P	22 17 59.8	-1.5
Z38A	Mt. Pleasant	80.46	51	P	P	22 18 01.2	-0.4
ERPA	Erpa	80.49	36	eP	P	22 18 01.5	-0.2
USIN	University of	80.49	44	eP	P	22 18 01.9	+0.2
PARMO	Parma	80.52	46	eP	P	22 18 02.3	+0.5
BLY	Banja Luka	80.53	329	eP	P	22 18 03.3	+1.6
BOJS	Bojans	80.55	331	iP	P	22 18 02.1	+0.3
137A	Heron Place, G	80.55	52	P	P	22 18 01.7	-0.4
Z36A	Katherine and	80.58	53	P	P	22 18 01.8	-0.4
ECH	Echly	80.59	337	eP	P	22 18 02.5	+0.4
FRNY	Flat Rock	80.61	31	eP	P	22 18 01.2	-0.9
FETA	Feichten	80.65	334	iP	P	22 18 02.7	+0.1
X40A	Bas Creek Fa	80.65	49	P	P	22 18 02.1	-0.5
DAVA	Damuels	80.66	335	iP	P	22 18 03.5	+0.8
U44A	Portageville	80.67	46	P	P	22 18 02.7	0.0
MMB	Musomiste	80.70	323	iP	P	22 18 03.3	+0.5
W42A	Bald Knob	80.72	48	P	P	22 18 02.5	-0.5
KKB	Kraukik	80.73	324	iP	P	22 18 03.3	+0.4
Y40A	Okolona	80.79	50	P	P	22 18 02.8	-0.5
ACSO	Alum Creek Sta	80.79	39	eP	P	22 18 02.9	-0.3
MMNV	Morris Dam	80.80	35	eP	P	22 18 02.6	-0.7
X41A	Kaden, Bauxite	80.81	49	P	P	22 18 03.0	-0.4
ALLY	Alegheny Cole	80.82	37	eP	P	22 18 03.3	-0.1
POI	Presque Isle	80.82	26	eP	P	22 18 02.3	-1.0
138A	Matalatl Enter	80.86	52	P	P	22 18 03.7	-0.1
336A	Rieser	80.87	54	P	P	22 18 03.6	-0.2
THEF	They Montfort	80.89	338	eP	P	22 18 04.2	+0.5
Z39A	Irene McRaven,	80.90	51	P	P	22 18 03.9	-0.1
435B	Jarvis	80.91	55	P	P	22 18 03.8	-0.2
WCI	Wyandotte Cave	80.93	42	eP	P	22 18 03.8	-0.2
WCI	Wyandotte Cave	80.93	42	eP	P	22 18 03.8	-0.2
MOF	Molkenrain	80.93	337	eP	P	22 18 04.2	+0.2
HBAR	Harrisburg	80.94	47	eP	P	22 18 04.8	+0.7
PLE	Piljevija	80.94	327	iP	P	22 18 03.5	-0.7
U44B	Burton Farm, H	80.97	46	P	P	22 18 04.1	-0.1
237A	Washetta, Mont	80.97	53	P	P	22 18 04.1	-0.3
DYA	Yadworthy	81.04	344	eP	P	22 18 04.9	+0.5
GLAT	Glass	81.06	46	eP	P	22 18 05.4	+0.7
WLAR	White Oak Lake	81.13	50	eP	P	22 18 05.6	+0.5
NCB	Newcomb	81.13	32	eP	P	22 18 04.6	-0.4
M54A	Oil Creek Stat	81.13	36	P	P	22 18 04.7	-0.4
MANT	Manisa	81.13	318	eP	P	22 18 06.0	+0.6
IVA	Berane	81.14	326	iP	P	22 18 04.6	-0.6
SRS	Serrai	81.15	323	P	P	22 18 04.8	-0.4
SRS	Serrai	81.15	323	P	P	22 18 04.8	-0.4
SRS	Serrai	81.15	323	P	P	22 18 04.8	-0.4
FUORN	Ofenpass-Fuorn	81.15	334	eP	P	22 18 06.1	+0.7
UTMT	University of	81.21	45	eP	P	22 18 06.0	



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

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

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

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

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

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

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

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

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

MAT Matsushiro 2.49 289 P Pn 23 11 12.0 +0.3
MAT eS Sn 23 11 41.9 0.0
ISCJB 19 23:11:35.4, 1.3, 37.6S:0.1x179.95E:0.09, h33km, mb3.7/2, Error ellipse: s-maj=14.6km s-min=10.6km az=11.9

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

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

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

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

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

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

19d 23h

Table with columns for station name, frequency, power, and other technical details. Includes stations like Panska Ves, Berggiesshubel, Kraliky, and various 'GOPC' and 'PRU' stations.

2011 NOV

Table with columns for station name, frequency, power, and other technical details. Includes stations like Smolence, Wetzeltz, Liptovska Anna, and various 'SMOL' and 'GOLF' stations.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like Kiev, Malin Array Be, Kongsberg, and various 'KIEV', 'AKASG', and 'KONO' stations.

MOS 19:23:15:37.1±1.8,55:73N<110:29E,h6km,mb4.3/1,Error ellipse: s-maj=17.7km s-min=14.7km az=50.4
BYKL 19:23:15:36.2±0.2,55:74N<110:22E,h7km,g3km,3C,Lake

Table with columns for Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Res. Includes stations like Nizh Angarsk, Ulyunkhan, Severomysk, and various 'YOA' and 'SVKR' stations.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters. Includes stations like BOD, NLYR, TRTB, UUBD, HRMR, CRS, LSTR, IVK, TLY, TUP, ARS, KPC, MOY, ORL, and AGR.

GUC 19 23:27:19.6:0.6,31:67S:71.49W,h25km,5km,ML3.2
SJA 19 23:27:19.4:0.7,31:30S:71.84W,h52km,21km,ML3.2,
MW3.5

ISC 19 23:27:15.0:1.9,31:63S:0.03:71.75W,0.10,h1km,14km,
n20,r135/22,Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters. Includes stations like ROCH, ROC1, TLL, PEL, CLCH, AUSP, RTLS, ASAL, ARCO, RVCV, LCO, RTLL, and AAGR.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters. Includes stations like AMOG, AGUA, VCA, APLL, AACL, and TCA.

ISCJB 19 23:37:10.5:0.5,37:54N:0.04:38:63E:0.04,h7km,6km,
Error ellipse: s-maj=6.7km s-min=4.5km az=157.9
CSEM 19 23:37:10.4:0.1,37:54N:38:62E,h8km,MD2.7,Error
ellipse: s-maj=3.7km s-min=2.2km az=160.0

DDA 19 23:37:10.2,37:54N:38:64E,h7km,MD2.7
ISK 19 23:37:10.2,37:54N:38:62E,h8km,MD2.7
ISC 19 23:37:10.6:0.9,37:55N:0.03:38:62E:0.02,h8km,gkm,
n28,r0540/38,Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters. Includes stations like URFA, ATAB, SURC, AKZD, AKCAD, ELZG, SVRC, SVRZ, GAZ, DIYA, DARE, KMRs, HCB, KUZU, SVAN, and others.

CSEM 19 23:39:53.8:0.2,38:76N:43:19E,h10km,MD2.7,Error
ellipse: s-maj=5.8km s-min=4.3km az=82.0
ISK 19 23:39:53.1,38:77N:43:24E,h4km,MD2.7
DDA 19 23:39:53.8,38:75N:43:21E,h7km,MD2.7

ISCJB 19 23:39:54.1:0.5,38:76N:0.03:43:17E:0.05,h11km,6km,
Error ellipse: s-maj=6.2km s-min=4.7km az=173.3
ISC 19 23:39:54.0:1.3,38:74N:0.03:43:21E:0.03,h22km,11km,
n21,r0572/33,Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters. Includes stations like VANB, TVAN, VMUR, ADCV, GEVA, CLDR, TUTA, AGRB, EATA, CUKT, and others.

JMA 19 23:47:26.0:0.1,37:19N:141.43E,h19km,2km,MD2.0,
Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters. Includes stations like JFK, ONAJ, ONJM, JMO, JFT, and others.

NIED 19 23:47:00.38:40N:142:20E,h32km,Mw4.0 Best double
couple: M=9.96000x10^14 NP1=328.00000^2,0.00000^2,
lambda=136.00000^2 NP2=195.00000^2,0.00000^2,
lambda=76.00000^2

ISCJB 19 23:47:50.3:0.8,38:36N:142:23E:0.07,h39km,6km,
mb3.9/17,MS3.5/6,Error ellipse: s-maj=9.1km
s-min=5.3km az=14.5

JMA Felt II J1
IDC 19 23:47:53.2:1.1,38:36N:142:15E,h49km,19km,mb3.7/17,
mb1.3/9/21,mb1mx3.8/37,mbmp4.0/21,ML3.7/3,MS3.3/10,
Ms1.3/4/10,ms1mx3.1/42,Error ellipse: s-maj=18.8km
s-min=13.6km az=98.0

ISC 19 23:47:51.9:0.7,38:38N:0.05:142:22E:0.09,h37km,2km,
n53,r149/56,mb3.9/17,MS3.6/6,Near east coast of
eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters. Includes stations like JIO, OFUJ, OFUJ, JMO, JMK, JMU, JMM, JOM, JJK, and others.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters. Includes stations like JYK, JRG, JYS, MJAR, MAT, JHU, ASAJ, USRK, KRSR, KSRs, PLR, SONM, H1N2, H1N1, H1N3, H1S1, H1S2, CMAR, MKAR, TAPAN, ODAN, JIRN, RAMN, GUN, ILAR, KKN, PKIN, DANN, KOLN, INK, WRA, RES, ASAR, ARCES, ARCES, NOB2, NOA, NOA, AKASG, AKASG, GERES, URZ, TXAR, LPAZ, and others.

ISK 19 23:50:59.3,38:72N:43:61E,h5km,MD3.4
ISCJB 19 23:51:00.5:0.8,38:72N:0.03:43:68E:0.06,h6km,6km,
Error ellipse: s-maj=8.7km s-min=4.7km az=17.2
DDA 19 23:51:00.1,38:74N:43:67E,h7km,MD2.9

CSEM 19 23:51:00.4:0.2,38:73N:43:65E,h5km,MD3.4,Error
ellipse: s-maj=6.2km s-min=4.3km az=103.0
ATA 19 23:51:03.0:7.6,38:68N:43:60E,h0km,65km,MD3.7,
ML3.7,MW3.8

ISC 19 23:51:01.6:1.0,38:73N:0.02:43:60E:0.03,h11km,gkm,
n44,r131/55,Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters. Includes stations like VANB, VANB, TVAN, VMUR, ADCV, CLDR, CLDR, CLDR, CLDR, GEVA, GEVA, ADCV, ADCV, BASK, BASK, DYDN, TUTA, TUTA, AGRB, AGRB, EKAR, EKAR, and others.



Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Rows include EKAR, TABS, TASB, TASBURUN-IGDIR, etc.

SJA 20 00:13:56.4-0.6, 35.21S; 72.83W, h42km, ML3.6, MW3.6
ISCJB 20 00:14:08.7-1.0, 34.47S; 0.03:72.10W, 0.10, h21km, ML3.7

GUC 20 00:14:08.6-0.6, 34.46S; 72.17W, h21km, ML3.7
ISC 20 00:14:07.9-1.3, 34.60S; 0.03:72.10W, 0.11, h14km, g1km, n18,

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Rows include CHPI, CHOS, CHOO, G005, G006, etc.

WEL 20 00:27:33.0-5.5, 37.35S; 179.88E, h33km, ML3.8/15,
Error ellipse: s-maj=5.3km s-min=5.2km az=90.0, Off

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Rows include WMGZ, WMGZ, MXZ, etc.

NIED 20 00:28:00.37:00N; 141.30E, h44km, Mw3.7 Best double
couple: M=0.04000; 1014 NP1.3; 324.00000; .867.00000,

ISCJB 20 00:28:27.7-0.8, 36.94N; 0.04: 141.34E; 0.08, h56km, 6km,
mb3.6/5, Error ellipse: s-maj=10.4km s-min=5.5km

IDC 20 00:28:28.2-2.7, 36.97N; 141.43E, h51km, 24km, mb3.5/5,
mb1.3/7.8, mb1mx3.4/5.0, mbtmp3.8/8, ML3.7/3, MS2.3/1,

JMA 20 00:28:29.7-0.1, 36.97N; 141.17E, h53km, 1km, M3.7
JMA Felt 1 J1.
ISC 20 00:28:28.5-1.4, 36.96N; 0.05: 141.32E; 0.09, h47km, 10km,

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Rows include ONAJ, ONAJ, JFK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Rows include JHO, JHO, JHO, etc.

IDC 20 00:40:51.5-1.1, 27.51N; 57.45E, h0km, mb3.9/15,
mb1.4/0.19, mb1mx3.8/5.4, mbtmp3.9/19, ML4.1/4, MS3.1/5,

OMAN 20 00:40:53.4-2.4, 27.65N; 57.35E, h29km, 21km, Error
ellipse: s-maj=14.7km s-min=10.3km az=93.0

ISCJB 20 00:40:54.3-0.2, 27.58N; 0.02: 57.42E; 0.04, h25km,
mb4.1/34, MS3.1/5, Error ellipse: s-maj=4.7km

TEH 20 00:40:54.8, 27.54N; 57.35E, h18km, ML4.0
MOS 20 00:40:54.2, 1.1, 27.42N; 57.35E, h33km, mb4.3/9, Error
ellipse: s-maj=11.8km s-min=8.2km az=97.4

CSEM 20 00:40:55.7-0.2, 27.52N; 57.40E, h20km, mb4.1/14, Error
ellipse: s-maj=9.2km s-min=5.5km az=89.0

DSN 20 00:40:56.3-0.1, 27.13N; 57.92E, h10km, ML4.5/10, Error
ellipse: s-maj=3.9km s-min=2.6km az=34.0

THR 20 00:40:59.0, 1.5, 27.59N; 57.29E, h42km, 13km, ML4.2
NEIC 20 00:40:59.0, 0.0, 27.59N; 57.29E, h41km, mb4.3/7, After
THR.

ISC 20 00:40:55.0-2.0, 27.47N; 0.02: 57.50E; 0.03, h25km, n183,
c1997/202, mb4.0/34, MS3.1/5, Southern Iran

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Rows include KHKS, KHKS, KHKS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Rows include GHIR, GHIR, GHIR, etc.







20d 1h

Table with columns for station call letters, frequency, and other identifiers. Includes stations like DAG, LLLB, MOS, NLWA, ARMA, OBN, etc.

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Table with columns for station call letters, frequency, and other identifiers. Includes stations like HATD, AKH, G08A, ASHO, etc.

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Table with columns for station call letters, frequency, and other identifiers. Includes stations like QLMT, SORM, YHB, etc.

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like STHS, UZH, OJC, SHPR, etc.

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like VYHS, VYHNE, W13A, etc.

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like MOA, F33A, S22A, etc.

20d 1h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, and other parameters. Includes stations like Barren Site, Echery, Ofenpass-Fuorn, etc.

2011 NOV

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, and other parameters. Includes stations like X35A Drake, CLTB Cattellolotta, X36A Centrahoma, etc.

JMA 20 01:24:31.8, 36.71N-140.60E, h9km, 1km, M3.8, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, and other parameters. Includes stations like JHO Hitachi, ONAJ Iwakimizuishiy, etc.

JMA 20 01:25:10.1, 36.72N-140.63E, h5km, 1km, M3.9, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, and other parameters. Includes stations like JHO Hitachi, ONAJ Iwakimizuishiy, etc.

1124

Table with columns: JFT, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, and other parameters. Includes stations like JHO Hitachi, ONAJ Iwakimizuishiy, etc.









Table with columns: CHOS, Chios island, 3.35 353, P, Pn, 02 16 42.4 +0.4, etc. Includes stations like VLI, VLY, VLV, etc.

Table with columns: KHC, RETA, DAVL, etc. Includes stations like DCA, DCA, DCA, etc. Includes a section for IDC 20 02:24:08.8:1.5, 5.66S, 151.52E, h0km, mb3.7/5, etc.

Table with columns: ARHZ, Aropoanui, 2.73 233, PN, Pn, 02 38 30.7 -0.8, etc. Includes stations like DZM, CTCT, etc. Includes a section for IDC 20 02:41:17.1:0.6, 22.98S, 101.17E, h300km, n34, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DSZ Denniston, KHZ Kahutara, INZ Inchbonnie, etc.

SKHL 20 02:56:47.2, 0.2, 49.81N, 156.78E, h34km, mb4.6/3
MOS 20 02:56:47.7, 0.4, 49.80N, 156.65E, h41km, mb4.3/1, Error ellipse: s-maj=27.2km s-min=6.6km s-az=76.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, SKR Kuril's, SKR Severo-Kuril's, etc.

SKHL 20 02:56:48.3, 10.0, 50.01N, 157.02E, h17km, 10km, ML3.7
ISC 20 02:56:47.9, 3.6, 49.9N, 0.1, 156.7E, 0.1, h24km, 25km, n36, s147/52, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, KOTR Khodutka, KOTR Asacha, etc.

ISC 20 02:58:39.8, 0.6, 3.98S, 128.61E, h0km, mb4.3/12, mb1.4/14, mb1mx4.1/42, mbtmp4.2/14, ML3.7/2, MS3.0/2, Ms1.3/0.2, ms1mx2.6/33, Error ellipse: s-maj=37.6km s-min=11.9km s-az=71.0

ISC 20 02:58:42.8, 0.5, 0.3, 4.02S, 0.03, 128.63E, 0.04, h33km, mb4.4/19, MS2.7/1, Error ellipse: s-maj=5.1km s-min=4.9km az=149.9

DJA 20 02:58:42.8, 0.5, 4.0, 4.07S, 128.66E, h38km, 10km, mb4.6/9, ML4.2/6
NEIC 20 02:58:45.0, 1.0, 4.07S, 128.66E, h38km, 10km, mb4.6/9, Error ellipse: s-maj=9.1km s-min=7.2km az=51.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AA1 Ambon, MSA1 Masohi, BND1 Bandanaira, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SOEI Soe, KAPI Kappang, FITZ Filzro, WRAB Tennant Creek, etc.

ISC 20 03:03:41.9, 1.5, 15.53S, 174.06W, h0km, mb4.2/6, mb1.4/6, mb1mx4.2/26, mbtmp4.2/6, MS3.7/11, Ms1.3/7.11, ms1mx3.5/38, Error ellipse: s-maj=92.4km s-min=20.9km az=146.0

ISC 20 03:03:42.1, 0.7, 15.45S, 0.2, 174.2W, 0.2, h10km, mb4.4/10, MS3.9/8, Error ellipse: s-maj=32.8km s-min=15.4km az=147.1

NEIC 20 03:03:43.6, 0.4, 15.44S, 174.14W, h10km, mb4.5/3, Error ellipse: s-maj=20.5km s-min=9.0km az=144.0
ISC 20 03:03:43.7, 0.8, 15.45S, 0.2, 174.2W, 0.2, h10km, n54, s053/31, mb4.4/10, MS3.9/8, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AFI Afiamalu, AFI Afiamalu, RAR Rarotonga, etc.

ISC 20 03:03:43.7, 0.8, 15.45S, 0.2, 174.2W, 0.2, h10km, n54, s053/31, mb4.4/10, MS3.9/8, Tonga Islands

ISC 20 03:03:43.7, 0.8, 15.45S, 0.2, 174.2W, 0.2, h10km, n54, s053/31, mb4.4/10, MS3.9/8, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DPC Dobruska-Polom, PRU Pruhonic, GORP Gorop, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CONA Conrad Observa, MOA Molin, BFO Black Forest, etc.

NIED 20 03:04:00.27, 0.00N, 125.80E, h340km, Mw5.1 Best double couple: M=5.37000x10^16 N1: 30.3000000, 0.3300000, 1.0.000000, N2: 42.3000000, 0.8400000, 1.12300000

JMA 20 03:04:30.9, 0.4, 27.00N, 125.76E, h207km, M3.6, Northeast of Taiwan

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

NNC 20 03:12:35.4, 6.7, 37.20N, 71.00E, h0km, mb3.6, mpv3.1, 3C-2D, Error ellipse: s-maj=65.4km s-min=27.4km az=0.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZET Dzerino, DZET Dzerino, SFK Suif-Kurgan, etc.

ISC 20 03:19:51.9, 9.8, 23.76S, 178.55E, h557km, 114km, mb3.3/4, mb1.3/6.4, mb1.8mx3.1/29, mbtmp4.3/4, Error ellipse: s-maj=119.8km s-min=47.4km az=173.0, South of Fiji Islands

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

WEL 20 03:24:17.8, 0.4, 3.746S, 179.93E, h33km, ML3.6/9, 2D, Error ellipse: s-maj=3.6km s-min=2.9km az=90.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WMGZ Waomatatini S, WMGZ Waomatatini S, WMGZ Waomatatini S, etc.

CSEM 20 03:27:54.9, 0.1, 47.47N, 12.86E, h2km, ML3.0/23, Error ellipse: s-maj=3.0km s-min=2.2km az=139.0
VIE 20 03:27:55.7, 0.1, 47.42N, 12.82E, h6km, mb2.1/13, ML2.7/19, Error ellipse: s-maj=1.3km s-min=1.0km az=160.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like IPEC 20 03:27:55.8, 0.3, 47.39N, 12.86E, h9km, 1km, ML2.2/2, Error ellipse: s-maj=2.2km s-min=1.0km az=8.0

20d 3h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h m s, ISC. Includes stations like RJOB Jochberg, RJOB Jochberg, KBA Koelnbreinsper, etc.

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h m s, ISC. Includes stations like PRA Prague, PRA Prague, KRUC Moravsky, etc.

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h m s, ISC. Includes stations like AGOR Agordo, FUR Furstenfeldbru, FUR Furstenfeldbru, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PKGZ Pakihiroa, TWGZ Tauwhareparae, CNGZ Carnagh Statio, HAZ Te Kaha, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TUTA Tutak, AGRB Hanur-Agry, EKAR Karacaban, etc.

IDC 20 04:17:07.8.2.0, 13.55N:145.23E, h42km, 1.4km, mb3.4/7, mb1 3.7/7, mb2mx3.5/36, mbtmp3.7/7, MS3.2/5, Ms1 3.3/5, ms1mx3.0/21, Error ellipse: s-maj=31.3km s-min=18.1km az=89.0, Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GUMO Guam, H11S3 WAKE ISLAND Hy 21.19 76 T, H11S1 WAKE ISLAND Hy 21.21 74 T, etc.

ISK 20 04:28:03.8, 38.71N:43.64E, h5km, ML2.7, CSEB 20 04:28:04.9, 0.7, 38.70N:0.02:43.70E, 0.05, h3km, 5km, Error ellipse: s-maj=6.3km s-min=3.8km az=16.0

CSEB 20 04:28:04.8, 0.2, 38.70N:43.66E, h2km, ML2.7, Error ellipse: s-maj=5.8km s-min=3.7km az=93.0

DDA 20 04:28:04.8, 38.69N:43.69E, h7km, ML2.9, ISK 20 04:28:05.9, 0.9, 38.71N:0.02:43.64E, 0.03, h14km, 7km, n41, r093/47, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VANB Van, TVAN Van, VMUR Van-Muradiye, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VMUR Van-Muradiye, ERVC ERICIS-VAN, CLDR Caldiran, etc.

ISK 20 04:31:54.7, 38.72N:40.09E, h12km, MD2.8, ISCB 20 04:31:55.2, 0.6, 38.69N:0.03:40.05E, 0.04, h3km, 6km, Error ellipse: s-maj=5.5km s-min=4.7km az=141.9

CSEM 20 04:31:55.8, 0.3, 38.65N:39.99E, h12km, MD2.8, Error ellipse: s-maj=7.1km s-min=6.2km az=12.0

ISC 20 04:31:55.4, 1.1, 38.68N:0.03:40.04E, 0.03, h9km, 10km, n21, r083/33, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BINT Bingol, PTK Pertek, PTK Pertek, etc.

MEX 20 04:41:04.4, 1.1, 16.76N:99.33W, h7km, 11km, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CAIG El Cayaco, TLIG Tlapi, MEIG Mezcala, etc.

ISCJB 20 04:41:27.3, 1.2, 43.53N:0.08:147.20E, 0.10, h58km, 12km, Error ellipse: s-maj=17.2km s-min=7.0km az=141.5

JMA 20 04:41:28.2, 0.5, 43.47N:147.18E, h42km, M3.8, SKHL 20 04:41:28.2, 0.5, 43.53N:147.21E, h55km, 3km, mb4.8, n13, ISC 20 04:41:27.2, 2.2, 43.55N:0.11:147.3E, 0.11, h46km, 25km, h14, r077/22, 1D, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SHO Shikotan, SHO 770nm.0.3s, SHO 2jnm.0.2s, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VANB Van, TVAN Van, ERVC ERICIS-VAN, etc.

ISK 20 03:43:12.0, 38.70N:43.26E, h2km, ML1.9, CSEM 20 03:43:13.4, 0.2, 38.73N:43.34E, h10km, ML1.9, Error ellipse: s-maj=5.5km s-min=4.4km az=114.0

DDA 20 03:43:13.4, 38.73N:43.33E, h7km, ML2.7, ISCB 20 03:43:14.1, 0.5, 38.74N:0.03:43.33E, 0.05, h8km, 6km, Error ellipse: s-maj=7.7km s-min=3.8km az=19.5

ISC 20 03:43:13.9, 0.9, 38.73N:0.02:43.33E, 0.03, h15km, 7km, n26, r093/47, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VANB Van, TVAN Van, ERVC ERICIS-VAN, etc.

ISC 20 04:31:44.1, 38.86N:43.84E, h30km, ML2.2, CSEM 20 04:31:45.6, 0.5, 38.89N:43.69E, h10km, ML2.8, Error ellipse: s-maj=11.0km s-min=7.1km az=100.0

DDA 20 04:31:45.5, 38.92N:43.64E, h5km, ML2.8, ISCB 20 04:31:46.4, 0.6, 38.92N:0.03:43.69E, 0.05, h11km, 4km, Error ellipse: s-maj=6.6km s-min=4.4km az=16.6

ISC 20 04:31:45.7, 1.0, 38.91N:0.02:43.68E, 0.03, h7km, 7km, n29, r192/47, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VMUR Van-Muradiye, JNK Nakash, JAK Akkeshi, etc.

20d 5h

Table with columns: JAK, JTKR, JAR, JOB, JCH, HRK, JNBK, YSS, Station Name, Azimuth, Elevation, Frequency, and other parameters.

SJA 20 04:45:18.6-0.7, 30.57Sx72.97W, h60km, ML3.1, MW3.3
GUC 20 04:45:23.9-0.7, 30.43Sx71.85W, h47km, 10km, ML2.8
ISC 20 04:45:16.2-1.0, 30.37Sx0.04-72.22W, 0.09, h16km, n14,
c1888/22, 1C-1D, Off coast of central Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Op, ISC, Time, Res, and other parameters.

NNC 20 04:48:47.3-3.5, 36.36N-80.66E, h0km, mb3.7, mpv3.5,
5C-5D, Error ellipse: s-maj=29.5km s-min=19.4km
az=152.0, Southern Xinjiang

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Op, ISC, Time, Res, and other parameters.

ISN 20 05:12:07.1-0.3, 33.36N-49.29E, h0km, ML3.6
ISCJB 20 05:12:25.1-0.4, 33.29N-0.04-49.63E-0.04, h10km, Error
ellipse: s-maj=6.1km s-min=4.1km az=24.9
CSEM 20 05:12:25.0-0.3, 33.37N-49.60E, h2km, ML3.3, Error
ellipse: s-maj=7.9km s-min=5.4km az=36.0
TEH 20 05:12:27.0-0.3, 33.38N-49.57E, h4km, ML3.6
OMAN 20 05:12:30.1-0.1, 32.69N-49.36E, h4km, Error ellipse:
s-maj=92.4km s-min=9.8km az=229.0
ISC 20 05:12:26.1-0.8, 33.38N-0.04-49.56E-0.03, h10km, n42,
c138/47, Western Iran

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Op, ISC, Time, Res, and other parameters.

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Table with columns: BANOM, SNR, Azimuth, Elevation, Frequency, Phase ID, Op, ISC, Time, Res, and other parameters.

GII 20 05:15:51.9-0.0, 26.81N-34.98E, h13km, mb4.6/5,
MD4.6/5
IDC 20 05:16:04.7-1.4, 27.70N-34.59E, h0km, mb3.7/8,
mb1 3.7/13, mb1mx3.6/34, mbtmp3.6/13, ML2.9/5, MS3.2/13,
Ms1 3.2/13, ms1mx3.0/51, Error ellipse: s-maj=21.1km
s-min=18.5km az=9.0
SGS 20 05:16:05.4, 27.75N-34.39E, h13km
ISC 20 05:16:05.2-3.2, 27.76N-0.07-34.54E-0.07, h6km, n13km,
n64, c266/61, mb3.8/21, MS3.2/9, 10C, Red Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Op, ISC, Time, Res, and other parameters.

IDC 20 05:27:19.4-4.4, 14.15Sx70.33W, h139km, 70km, mb3.0/2,
mb1 3.2/3, mb1mx3.0/27, mbtmp3.4/3, Error ellipse:
s-maj=164.9km s-min=32.6km az=28.0, Central Peru

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Op, ISC, Time, Res, and other parameters.

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Table with columns: LPAZ, Latjari Array, TXRD, TORX, SONM, Azimuth, Elevation, Frequency, Phase ID, Op, ISC, Time, Res, and other parameters.

ISCJB 20 05:39:43.9-0.5, 59.28N-10.30-3W-0.1, h16km,
mb3.8/21, MS3.7/3, Error ellipse: s-maj=14.3km
s-min=8.8km az=1.0
IDC 20 05:39:43.4-0.7, 59.28N-30.34W, h0km, mb3.8/21,
mb1 3.9/22, mb1mx3.8/49, mbtmp3.8/22, ML3.6/1, MS3.7/5,
Ms1 3.7/5, ms1mx3.0/53, Error ellipse: s-maj=19.4km
s-min=12.8km az=180.0
CSEM 20 05:39:44.8, 59.26N-30.32W, h10km, mb4.3/2
NEIC 20 05:39:44.8, 0.3, 59.26N-30.32W, h10km, mb4.3/2, Error
ellipse: s-maj=10.8km s-min=6.6km az=180.0
ISC 20 05:39:45.8-0.6, 59.3N-0.1-30.32W-0.08, h16km, n37,
c0574/32, mb4.0/21, MS3.7/3, Reykjanes Ridge

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Op, ISC, Time, Res, and other parameters.

IDC 20 05:50:21.6-0.9, 59.31N-30.55W, h0km, mb3.8/11,
mb1 4.0/12, mb1mx3.7/51, mbtmp3.9/12, ML3.5/1, MS3.5/29,
Ms1 3.5/29, ms1mx3.4/49, Error ellipse: s-maj=23.6km
s-min=18.7km az=168.0
ISCJB 20 05:50:22.0-0.6, 59.3N-0.1-30.6W-0.2, h16km, mb3.8/13,
MS3.5/26, Error ellipse: s-maj=16.6km s-min=11.7km
az=178.7
CSEM 20 05:50:23.1, 59.30N-30.53W, h10km, mb4.3/2
NEIC 20 05:50:23.1, 0.4, 59.30N-30.53W, h10km, mb4.3/2, Error
ellipse: s-maj=19.4km s-min=9.7km az=177.0
ISC 20 05:50:24.1-0.7, 59.3N-0.1-30.62W-0.10, h16km, n42,
c1929/20, mb3.9/13, MS3.5/26, Reykjanes Ridge

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Op, ISC, Time, Res, and other parameters.

Table with columns: BRTR, Keshin Array B, KBZ, ILAR, etc. Includes station names, coordinates, and status indicators.

Table with columns: LBMI, DAV, KMSI, etc. Includes station names, coordinates, and status indicators.

Table with columns: KSH, Kashi, etc. Includes station names, coordinates, and status indicators.

ISK 20 05:52:42.3, 36:91N:29:34E, h18km, ML2.4
ISCJB 20 05:52:43.5, 0.5, 36:92N:0:02:29:30E:0.03, h5km, 10km,
Error ellipse: s-maj=4.3km s-min=4.0km az=28.8

PMG Port Moresby 22.17 124 P
WARR Warramunga 23.39 166 P
CISI Cisompet, Garu 23.18 243 P

MEX 20 05:56:06.2, 19:10N:104:15W, h5km, 4km, MD3.5,
Arc east of Jalisco

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Includes station names like GLHS, FETHI, etc.

Table with columns: WRA, WARR, WRA, etc. Includes station names like WARRAMUNGA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Includes station names like R15V, EZSV, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Includes station names like IDC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Includes station names like AFI, PPT2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Includes station names like WRA, ASAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Includes station names like BRTR, GERES, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Includes station names like BTk, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Includes station names like TOKL, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Includes station names like MNAS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Includes station names like DZEM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Includes station names like ARK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Includes station names like ARS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Includes station names like EKS2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Includes station names like UCH, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Includes station names like OMAN, etc.

IDC 20 05:55:09.4, 1.2, 59:33N:30:51W, h0km, mb3.8/7,
mb1.3/7.8, mb1mx3.4/5.4, mbtmp3.6/8, ML3.4/1, Error
ellipse: s-maj=32.1km s-min=23.3km az=7.0

H11S3 WAKE ISLAND Hy 40.39 65 T
H11S2 WAKE ISLAND Hy 40.40 65 T
H11S1 WAKE ISLAND Hy 40.41 65 T

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Includes station names like EKA, HFS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Includes station names like DZM, etc.

BUI 20 05:55:41.5, 2:75N:128:82E, h181km, mb4.5/23, mb4.7/14
ISCJB 20 05:55:46.4, 0.3, 2:91N:0:03:128:75E:0.04, h200km,
mb4.4/36, Error ellipse: s-maj=6.2km s-min=4.3km
az=171.7

WMO WMO 20 05:55:46.4, 0.3, 2:91N:0:03:128:75E:0.04, h200km,
mb4.4/36, Error ellipse: s-maj=6.2km s-min=4.3km
az=171.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Includes station names like SANGHE, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Includes station names like WMO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Includes station names like SANGHE, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Includes station names like WMO, etc.



IDC 20 06:38:32.2.3.9, 26.63N-55.07E, h40km, 49km, mb3.4/10, mb1.3/5.12, mb1mx3.4/4.1, mbtmp3.6/12, ML3.2/2, MS3.0/1, Ms1.3/0.1, ms1mx2.2/3.5, Error ellipse: s-maj=2.2km, s-min=19.1km az=10.0

CSEM 20 06:38:33.2.0.4, 26.64N-55.22E, h20km, ML3.3, Error ellipse: s-maj=14.0km s-min=7.9km az=73.0

ISC 20 06:38:29.4.1, 3.2677N, 0.0455E, h13km, 9km, n45, r1524/52, mb3.5/10, Southern Iran

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, ISC. Lists stations like Bandar-Abbas, Shamm, Banah, Nazwa, etc.

MEX 20 06:41:31.9.1.0, 16.33N-100.79W, h21km, 21km, MD4.0, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, ISC. Lists stations like El Cayaco, Acapulco, Puento Sto Nin, etc.

ATH 20 06:49:58.3.34.61N-23.78E, h21km, 3km, ML2.8/4, Error ellipse: s-maj=4.5km s-min=1.6km az=41.0

CSEM 20 06:49:58.1.0.5, 34.56N-23.81E, h10km, ML3.0, Error ellipse: s-maj=9.8km s-min=5.0km az=18.0

THE 20 06:49:58.6.34.55N-23.88E, h0km, 3km, ML3.0/6, Error ellipse: s-maj=5.4km s-min=2.0km az=178.0

IDC 20 06:49:59.1.21.34.26N-23.87E, h58km, 24km, mb3.3/6, mb1.3/5.12, mb1mx3.3/4.8, mbtmp3.6/12, ML3.9/5, Error ellipse: s-maj=21.4km s-min=20.9km az=141.0

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

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, ISC. Lists stations like lera Moni Meta, Anoyia, Antikythira Is, etc.

CSEM 20 06:56:12.6.1.8, 26.72N-55.08E, h2km, ML3.5, Error ellipse: s-maj=45.7km s-min=16.4km az=5.0

OMAN 20 06:56:12.3.5.7, 27.04N-55.47E, h6km, 29km, Error ellipse: s-maj=176.7km s-min=32.9km az=49.0

DSN 20 06:56:14.0.1.4, 26.75N-55.15E, h18km, ML3.5/8, Error ellipse: s-maj=17.3km s-min=7.0km az=19.0, Southern Iran

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, ISC. Lists stations like Shamm, Banah, Nazwa, etc.

GUC 20 07:14:19.2.0.7, 24.556S-69.14W, h39km, 43km, ML3.5, SC-4D, Northern Chile

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, ISC. Lists stations like Antofagasta, IPOC Station P, etc.

JMA 20 07:17:39.6.0.3, 37.58N-144.48E, h44km, M3.9, Off east coast of Honshu

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

Table with columns: JRY, Ryogami san, 4.74 252, P, Pn, 07 18 49.2 +0.6, etc.

ISCJB 20 07:20:11.1.0.2, 26.68N-0.025495E, 0.03, h17km, mb4.2/43, MS3.0/6, Error ellipse: s-maj=4.6km s-min=2.6km az=147.6

OMAN 20 07:20:11.3.8.4, 26.69N-55.02E, h10km, Error ellipse: s-maj=6.6km s-min=2.3km az=2.0

DSN 20 07:20:12.1.0.5, 26.79N-55.14E, h15km, ML4.2/10, Error ellipse: s-maj=6.1km s-min=2.3km az=18.0

MOS 20 07:20:12.6.1.5, 26.76N-55.10E, h34km, mb4.4/21, Error ellipse: s-maj=11.5km s-min=6.4km az=98.6

CSEM 20 07:20:13.2.0.1, 26.68N-55.03E, h20km, mb4.2/30, Error ellipse: s-maj=5.4km s-min=3.4km az=60.0

IDC 20 07:20:16.8.2.1, 26.54N-55.02E, h63km, 22km, mb3.7/17, mb1.3/9.21, mb1mx3.7/4.4, mbtmp4.0/21, ML3.1/4, MS3.1/9, Ms1.3/2.9, ms1mx2.9/4.5, Error ellipse: s-maj=14.9km s-min=12.6km az=43.0

NEIC 20 07:20:16.6.0.0, 26.73N-55.35E, h38km, mb4.3/16, After THR

THR 20 07:20:16.6.0.5, 26.73N-55.35E, h38km, 5km, ML4.0

TEH 20 07:20:12.6.0.4, 27.03N-55.11E, h25km, ML3.8

ISC 20 07:20:16.0.0.4, 26.78N-0.035510E, 0.03, h17km, n224, r189/238, mb4.2/43, MS3.0/6, SC-5D, Southern Iran

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, ISC. Lists stations like Bandar-Abbas, Shamm, Banah, Nazwa, etc.



Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KAHZ, KUZ, MKAZ, etc.

CSEM 20 07:49:22.9,0.8,37.33N,43.87E,h5km,MD2.8,Error ellipse: s-maj=18.2km s-min=6.1km az=90.0

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

GUC 20 07:59:45.2,0.3,37.57S,73.92W,h48km,1.6km,ML3.2,2C, Near coast of central Chile

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

WEL 20 08:06:28.2,0.3,38.36S,179.45E,h33km,ML3.5/20,3D, Error ellipse: s-maj=3.4km s-min=1.4km az=90.0, Off east coast of North Island

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

IDC 20 08:20:26.7,4.2,25.58N,95.52E,h0km,mb3.5/3, mb1.3,8/3, mb1mx3.3/4.3,mbtmp3.5/3, Error ellipse: s-maj=429.8km s-min=27.9km az=59.0

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

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

IDC 20 08:31:09.0,1.1,29.75S,176.83W,h0km,mb4.2/5, mb1.4,0/8, mb1mx4.0/4.7,mbtmp4.2/6,MS3.8/13, Ms1.3,8/13, ms1mx3.6/3.2, Error ellipse: s-maj=43.4km s-min=21.4km az=22.0

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

NEIC 20 08:31:14.3,0.0,29.86S,176.91W,h35km,mb4.4/1, Error ellipse: s-maj=23.0km s-min=16.3km az=215.0

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

GUC 20 07:59:45.2,0.3,37.57S,73.92W,h48km,1.6km,ML3.2,2C, Near coast of central Chile

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

MOS 20 08:38:38.0,0.9,55.60N,157.35W,h24km,mb4.2/0, Error ellipse: s-maj=14.7km s-min=7.0km az=85.3

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

NEIC 20 08:39:2.0,0.5,55.36N,157.08W,h36km,mb4.5/4, ML4.0(AEIC), After AEIC

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

Large table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SSSL, WESN, WESE, etc.

ARU 20 08:15:1.0,0.2, 64.69 339i P P 08 49 15.1 +0.2



Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like MKAR, MKO1, WMQ, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like BR101, BRTR, ARU, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like TOD, MOF, PMRV, etc.

ISCJB 20 09:07:18.6:0.8,59.5N:0.2:30.5W:0.2,h16km,mb3.8/8, MS4.1/1, Error ellipse: s-maj=23.7km s-min=14.1km

ISCJB 20 09:19:16.8:0.6,59.21N:30.34W,h0km,mb4.1/24, mb1.4.3/25,mb1mx4.1/41,mbtmp3.1/25,ML3.8/1,MS4.2/1, MS1.4.2/1,MS1mx3.3/53, Error ellipse: s-maj=17.7km s-min=12.4km az=8.0

ISCJB 20 09:19:20.3:0.2,59.47N:0.05:30.14W:0.04,h14km, mb4.7/13,MS4.5/22, Error ellipse: s-maj=6.8km s-min=2.7km az=6.9

IDC 20 09:07:18.3:0.9,59.40N:30.54W,h0km,mb3.7/9, mb1.3.9/10,mb1mx3.6/43,mbtmp3.7/10,ML3.6/1,MS3.6/4, MS1.3.6/4,MS1mx3.0/47, Error ellipse: s-maj=28.1km s-min=18.8km az=179.0

MOS 20 09:19:19.2:1.3,59.52N:30.14W,h8km,mb4.9/39, MS4.5/11, Error ellipse: s-maj=10.4km s-min=8.5km az=135.4

GCMT 20 09:19:21.4:0.2,59.44N:30.19W,h12km,MW4.9/92, Moment Tensor Solution. s36,c39; s92,c139; Duration: 0. Moment tensor: Scale:10^16Nm; M1-2.79: 10; M2-0.42: 29; Best double couple: M2:2.89300x10^16 Np1+26.00000°,δ53.00000°,λ-76.00000°. NP2: φs183.00000°,δ39.00000°,λ-108.00000°. Principal axes: T:2.7870,Plg7.0000°,Azmi106.0000°; N:0.2110,Plg11.0000°,Azmi197.0000°; P:-3.0000,Plg77.0000°,Azmi345.0000°; nst1 refers to body waves, cutoff=40s.

ISC 20 09:07:20.5:0.9,59.49N:0.2:30.5W:0.1,h16km,n15, φ=94/11,mb3.9/8,Reykjanes Ridge

ISCJB 20 09:19:20.3:0.2,59.47N:0.05:30.14W:0.04,h14km, mb4.7/13,MS4.5/22, Error ellipse: s-maj=6.8km s-min=2.7km az=6.9

ISC 20 09:18:37.9:0.8,59.39N:30.37W,h0km,mb3.8/18, mb1.4.0/20,mb1mx3.9/42,mbtmp3.9/20,ML3.7/2,MS3.5/1, MS1.3.5/1,MS1mx3.0/51, Error ellipse: s-maj=21.2km s-min=14.0km az=14.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like SFJD, JMC, EKA, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like BORG, BORG, BORG, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like KHC, KHC, KHC, etc.

IDC 20 09:18:37.9:0.8,59.39N:30.37W,h0km,mb3.8/18, mb1.4.0/20,mb1mx3.9/42,mbtmp3.9/20,ML3.7/2,MS3.5/1, MS1.3.5/1,MS1mx3.0/51, Error ellipse: s-maj=21.2km s-min=14.0km az=14.0

ISCJB 20 09:19:20.3:0.2,59.47N:0.05:30.14W:0.04,h14km, mb4.7/13,MS4.5/22, Error ellipse: s-maj=6.8km s-min=2.7km az=6.9

ISC 20 09:18:39.0:0.3,59.37N:30.36W,h10km,mb4.1/15, Error ellipse: s-maj=7.2km s-min=4.4km az=188.0

ISC 20 09:18:40.5:0.5,59.35N:0.09:30.38W:0.06,h16km,n67, φ=156/64,mb4.0/27,Reykjanes Ridge

ISC 20 09:19:21.9:0.4,59.46N:0.07:30.21W:0.04,h14km,n395, φ=155/395,mb4.1/36,MS4.5/22,20C-5D,Reykjanes Ridge

ISC 20 09:19:21.9:0.4,59.46N:0.07:30.21W:0.04,h14km,n395, φ=155/395,mb4.1/36,MS4.5/22,20C-5D,Reykjanes Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like SFJD, JMC, EKA, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like BORG, BORG, BORG, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like KHC, KHC, KHC, etc.



Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KSH Kashi, WMQ Urumqi, PRAC Prado, UOSS Minazif, SONA1 Songino Array, etc.

Code Station Name Az Az2 Phase ID Time Res ISC
BORG Borgarnes 6.89 34 ePn Pn 09 30 28.1 +1.2
SFJD Kangerlussuaq 11.86 319 Pn Pn 09 30 12.3 -2.6

Code Station Name Az Az2 Phase ID Time Res ISC
BORG Borgarnes 6.89 34 ePn Pn 09 30 28.1 +1.2
SFJD Kangerlussuaq 11.86 319 Pn Pn 09 30 12.3 -2.6

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SPITS Spitsbergen Ar, ARCAO ARCESS Array B, ARCES, CLL Collim, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MOS, CSEM, BUI, ISCJB, NEIC, GCMT, etc.







Table with columns: Code, Station Name, Az, El, P, S, Res. Includes stations like BTMN Batman, ECAT Cat-ERZURUM, BNGB Bing'ol, etc.

NEIC 20 09:43:07.0:0.0,35:62N:97:19W,h2km,ML2.6(TUL), After TUL

Main table of station data for NEIC 20 09:43:07.0:0.0,35:62N:97:19W,h2km,ML2.6(TUL). Columns include Code, Station Name, Az, El, P, S, Res.

Table for Greenbrier Sit, WHAR Woolly Hollow, UALR University of S40A, etc. Columns: Code, Station Name, Az, El, P, S, Res.

IDC 20 09:48:36.0:1.4,60:94N:153:11W,h126km,1.4km,mb3.3/5, mb1 3.7/9,mb1mx3.2/47,mbtmp3.9/9, Error ellipse: s-maj=24.2km s-min=9.9km az=103.0

Main table of station data for IDC 20 09:48:36.0:1.4,60:94N:153:11W,h126km,1.4km,mb3.3/5. Columns include Code, Station Name, Az, El, P, S, Res.

CSEM 20 09:50:47.6:0.2,38:77N:43:18E,h10km,ML2.2, Error ellipse: s-maj=4.4km s-min=3.8km az=120.0

Table of station data for CSEM 20 09:50:47.6:0.2,38:77N:43:18E,h10km,ML2.2. Columns include Code, Station Name, Az, El, P, S, Res.

JMA 20 10:04:22.9,36:69N:140:64E,h9km,1km,M3.0, Near east coast of eastern Honshu

Table of station data for JMA 20 10:04:22.9,36:69N:140:64E,h9km,1km,M3.0. Columns include Code, Station Name, Az, El, P, S, Res.

IDC 20 10:15:40.5:3.1,31:43N:178:75W,h0km,mb3.7/2, mb1 4.0/3,mb1mx3.7/21,mbtmp3.7/3,ML2.8/1, Error ellipse: s-maj=67.0km s-min=36.3km az=106.0, Kermadec Islands region

Table of station data for IDC 20 10:15:40.5:3.1,31:43N:178:75W,h0km,mb3.7/2. Columns include Code, Station Name, Az, El, P, S, Res.

CSEM 20 10:15:58.4:0.4,38:67N:43:59E,h20km,ML2.4, Error ellipse: s-maj=8.9km s-min=5.0km az=123.0

Table of station data for CSEM 20 10:15:58.4:0.4,38:67N:43:59E,h20km,ML2.4. Columns include Code, Station Name, Az, El, P, S, Res.

ISCJ 20 10:15:59.2,38:67N:43:55E,h28km,ML2.4, Error ellipse: s-maj=7.7km s-min=3.9km az=28.3

Table of station data for ISCJ 20 10:15:59.2,38:67N:43:55E,h28km,ML2.4. Columns include Code, Station Name, Az, El, P, S, Res.

ISC 20 10:15:58.2:1.1,38:68N:0:04:43:58E:0.05,h25km,6km, n20,c064/39,Turkey

Table of station data for ISC 20 10:15:58.2:1.1,38:68N:0:04:43:58E:0.05,h25km,6km. Columns include Code, Station Name, Az, El, P, S, Res.

IDC 20 10:17:14.7:1.6,39:47N:143:51E,h0km,mb3.5/5, mb1 3.6/7,mb1mx3.5/53,mbtmp3.5/7,ML3.0/2, Error ellipse: s-maj=47.1km s-min=20.8km az=78.0

Table of station data for IDC 20 10:17:14.7:1.6,39:47N:143:51E,h0km,mb3.5/5. Columns include Code, Station Name, Az, El, P, S, Res.







comp=Z,69nm,18.5s,baz=356,slow=36

ISN 20 11:30:31.6,0.3,38.68N:43.98E,h0km,ML3.3  
ATA 20 11:30:31.0,2.9,38.40N:44.70E,h50km,268km,MD4.1,ML4.4,MW4.1  
DDA 20 11:30:41.1,38.86N:43.82E,h2km,ML3.3  
ISK 20 11:30:42.5,38.88N:43.63E,h5km,ML3.3  
CSEM 20 11:30:42.8,0.5,38.91N:43.75E,h2km,ML3.3,Error ellipse: s-maj=12.5km s-min=6.7km az=94.0

ISC 20 11:30:42.8,1.1,38.85N:0.02:43.80E:0.04,h12km,gkm,n57,c230/70,Turkey

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	ISC
CLDR	Caldiran	0.30 17	i P	Pg	11 30 47.6 -1.6
CLDR	Caldiran	0.30 17	i S	Pb	11 30 47.6 -1.6
VANB	Van	0.41 232	ePG	Pb	11 30 50.7 -1.5
VANB	Van	0.41 232	eP	Pb	11 30 50.7 -1.5
TVAN	Van	0.45 224	i P	Pg	11 30 50.4 -1.4
TVAN	Van	0.45 224	i S	Pb	11 30 50.4 -1.4
DYDN	Diyadin	0.70 353	eP	Pg	11 30 54.6 -1.9
DYDN	Diyadin	0.70 353	eS	Pb	11 31 16.9 +7.2
DYDN	Diyadin	0.70 353	i P	Pg	11 31 27.6
DYDN	Diyadin	0.70 353	i S	Pb	11 30 54.9 -1.5
DYDN	Diyadin	0.70 353	i S	Pb	11 31 06.3 +0.5
DYDN	Diyadin	0.70 353	i S	Pb	11 30 54.9 -1.5
GEVA	Gevas	0.79 228	eP	Pg	11 31 12.1 +0.2
GEVA	Gevas	0.79 228	eS	Pb	11 31 25.0
GEVA	Gevas	0.79 228	i P	Pg	11 30 57.1 -1.6
GEVA	Gevas	0.79 228	i S	Pb	11 30 57.1 -1.6
ADCV	BITLIS_Adilcev	0.84 267	i P	Pg	11 30 57.9 -1.3
ADCV	BITLIS_Adilcev	0.84 267	i S	Pb	11 31 12.0 -1.2
ADCV	BITLIS_Adilcev	0.84 267	i S	Pb	11 30 57.9 -1.3
TUTA	Tutak	0.95 306	eP	Pg	11 30 58.8 -2.3
TUTA	Tutak	0.95 306	eS	Pb	11 31 20.6
TUTA	Tutak	0.95 306	i P	Pg	11 31 24.2 +8.4
TUTA	Tutak	0.95 306	i S	Pb	11 30 59.1 -2.1
TUTA	Tutak	0.95 306	i S	Pb	11 30 59.1 -2.1
AGRB	Hanur-Agry	0.96 319	ePG	Pb	11 30 59.9 -2.0
AGRB	Hanur-Agry	0.96 319	eS	Pb	11 31 36.0 -1.3
AGRB	Hanur-Agry	0.96 319	eP	Pg	11 30 59.4 -2.0
AGRB	Hanur-Agry	0.96 319	eS	Pb	11 31 13.0 -1.3
HAKT	HAKKARI	1.29 183	i P	Pg	11 31 06.0 -1.7
EKAR	Karacoban	1.41 287	eP	Pg	11 31 08.9 -1.1
EKAR	Karacoban	1.41 287	eS	Pb	11 31 41.1 +1.3
EKAR	Karacoban	1.41 287	i P	Pg	11 31 08.9 -1.1
EKAR	Karacoban	1.41 287	i S	Pb	11 31 35.4 +7.0
EATA	Eleskirt	1.43 315	i P	Pg	11 31 07.6 -1.4
EATA	Eleskirt	1.43 315	i S	Pb	11 31 07.6 -1.4
EATA	Eleskirt	1.43 315	i P	Pg	11 31 07.6 -1.4
DIGO	Kars	1.60 348	eP	Pg	11 31 13.8 +0.1
CUKT	Cukurca	1.61 186	eP	Pg	11 31 13.8 +0.1
CUKT	Cukurca	1.61 186	eS	Pb	11 31 35.8 +1.2
CUKT	Cukurca	1.61 186	eP	Pg	11 31 35.8 +1.2
CUKT	Cukurca	1.61 186	eS	Pb	11 31 35.8 +1.2
SRTM	Siirt_Merkez	1.71 240	i P	Pg	11 31 14.4 -1.2
SRTM	Siirt_Merkez	1.71 240	i S	Pb	11 31 14.4 -1.2
EAK	Akyaka	1.84 355	eP	Pg	11 31 17.0 -1.1
EAK	Akyaka	1.84 355	eS	Pb	11 31 44.3
EAK	Akyaka	1.84 355	i P	Pg	11 31 47.7 +5.6
VRTB	Varto-Mus	1.85 280	eP	Pg	11 31 15.5 -1.3
VRTB	Varto-Mus	1.85 280	i P	Pg	11 31 15.5 -1.3
VRTB	Varto-Mus	1.85 280	i S	Pb	11 31 15.5 -1.3
VRTB	Varto-Mus	1.85 280	i S	Pb	11 31 15.5 -1.3
HOMI	Horasan	1.89 310	eP	Pg	11 31 15.9 -1.6
HOMI	Horasan	1.89 310	eS	Pb	11 31 45.8 +2.0
HOMI	Horasan	1.89 310	i P	Pg	11 31 15.9 -1.6
HOMI	Horasan	1.89 310	i S	Pb	11 31 45.8 +2.0
SENK	Senkaya-Erzuru	2.04 327	eP	Pg	11 31 18.8 -1.2
SENK	Senkaya-Erzuru	2.04 327	eS	Pb	11 31 18.8 -1.2
ENGL	BINGOL	2.07 274	eP	Pg	11 31 56.8 +7.3
ENGL	BINGOL	2.07 274	eS	Pb	11 32 06.7
ENGL	BINGOL	2.07 274	i P	Pg	11 31 20.6 -2.0
SVAN	Silvan-Diyarba	2.16 252	eP	Pg	11 31 20.3 -1.6
SVAN	Silvan-Diyarba	2.16 252	eS	Pb	11 31 20.3 -1.6
ERZM	Erzurum	2.16 300	eP	Pb	11 31 21.3 -0.8
BTM	Batman	2.21 245	i P	Pg	11 31 22.3 -0.5
BTM	Batman	2.21 245	i S	Pb	11 31 22.3 -0.5
ECAT	Cat-ERZURUM	2.32 290	eP	Pg	11 31 22.3 -2.6
ECAT	Cat-ERZURUM	2.32 290	eS	Pb	11 32 04.9 -1.7
ECAT	Cat-ERZURUM	2.32 290	i P	Pg	11 32 02.4
ECAT	Cat-ERZURUM	2.32 290	i S	Pb	11 32 02.4
BGD	Bogdanovna	2.42 356	P	Pg	11 31 27.2 -2.0
BNGB	Bingil	2.44 274	eP	Pg	11 31 23.0 +0.4
BINT	Bingol	2.59 272	eP	Pg	11 31 23.0 +1.7
KOPT	Kop Dagli	2.81 303	P	Pb	11 31 33.2 0.0
DIY	Diyarbakir	2.97 252	eP	Pg	11 31 31.9 -3.8
MAZI	Mazidag	2.99 243	eP	Pg	11 31 31.5 +1.3
MAZI	Mazidag	2.99 243	eP	Pg	11 31 31.5 +1.3
DYBB	Diyarbakir	3.02 254	eP	Pg	11 31 31.5 +1.3
PTK	Petek	3.44 272	eP	Pg	11 31 37.2 +0.5
PTK	Petek	3.44 272	eP	Pg	11 31 37.0 +0.5
ONI	Oni	3.75 356	P	Pg	11 31 50.9 -3.7

ISC 20 11:32:03.9,2.1,36.99S:179.58E,h0km,mb4.1/2,mb1.4/3,mb1mx3.8/22,mbtmp4.1/3,ML4.2/1,Error ellipse: s-maj=76.5km s-min=35.0km az=153.0

WEL 20 11:32:05.2,0.3,37.35S:179.94E,h30km,ML4.2/33,Error ellipse: s-maj=3.9km s-min=3.1km az=0.0

ISC 20 11:32:06.9,1.6,37.79S:0.06:179.97E:0.07,h33km,qkm,n53,c159/60,3C-3D,Off east coast of North Island

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	ISC
WMGZ	Waioamatatini S	1.09 268	i P	Pg	11 32 25.5 -0.7
WMGZ	Waioamatatini S	1.09 268	i S	Pb	11 32 42.1 +1.2
WMGZ	Waioamatatini S	1.09 268	i S	Pb	11 32 42.1 +1.2
MXZ	Matakaoa Point	1.20 281	i P	Pg	11 32 26.6 -0.7
MXZ	Matakaoa Point	1.20 281	i S	Pb	11 32 43.1 +0.7
MXZ	Matakaoa Point	1.20 281	i S	Pb	11 32 43.6
PUZ	Puketiti	1.24 257	i P	Pg	11 32 29.1 -0.8
PUZ	Puketiti	1.24 257	i S	Pb	11 32 46.9 +1.3
PUZ	Puketiti	1.24 257	i S	Pb	11 32 46.9 +1.3
PKGZ	Pakihiroa	1.36 265	i P	Pg	11 32 30.2 +0.6
PKGZ	Pakihiroa	1.36 265	i S	Pb	11 32 50.4
PKGZ	Pakihiroa	1.36 265	i S	Pb	11 32 54.4
CNGZ	Carnagh Statio	1.43 241	i P	Pg	11 32 33.4 +0.5
CNGZ	Carnagh Statio	1.43 241	i S	Pb	11 32 59.8
CNGZ	Carnagh Statio	1.43 241	i S	Pb	11 33 02.4
TWGZ	Tauwharepara	1.48 254	i P	Pg	11 32 33.0 -0.9
TWGZ	Tauwharepara	1.48 254	i S	Pb	11 32 53.8 +1.4
TWGZ	Tauwharepara	1.48 254	i S	Pb	11 33 01.6
HAZ	Te Kaha	1.59 271	i P	Pg	11 32 33.5 +0.8
HAZ	Te Kaha	1.59 271	i S	Pb	11 33 03.6
HAZ	Te Kaha	1.59 271	i S	Pb	11 33 03.6
TKGZ	Te Karaka	1.66 247	i P	Pg	11 32 35.9 -1.0
TKGZ	Te Karaka	1.66 247	i S	Pb	11 32 59.2
TKGZ	Te Karaka	1.66 247	i S	Pb	11 33 06.3
RUCZ	Raukumara Rang	1.68 263	i P	Pg	11 33 06.0 +1.0
RUCZ	Raukumara Rang	1.68 263	i S	Pb	11 33 27.7 -1.2
RUCZ	Raukumara Rang	1.68 263	i S	Pb	11 33 07.1 +1.2
RUCZ	Raukumara Rang	1.68 263	i S	Pb	11 33 05.7
MWZ	Matawai	1.87 252	i P	Pg	11 32 37.7 +1.2
MWZ	Matawai	1.87 252	i S	Pb	11 33 03.3
MWZ	Matawai	1.87 252	i S	Pb	11 33 03.3
PRGZ	Parituro Road	1.88 232	i P	Pg	11 32 39.3 -1.2
PRGZ	Parituro Road	1.88 232	i S	Pb	11 33 09.2
PRGZ	Parituro Road	1.88 232	i S	Pb	11 33 10.4
RAGZ	Rawiri	2.00 249	i P	Pg	11 32 40.3 +1.9
RAGZ	Rawiri	2.00 249	i S	Pb	11 33 01.4
RAGZ	Rawiri	2.00 249	i S	Pb	11 33 15.2
MHGZ	Mahia Peninsul	2.01 227	i P	Pg	11 32 41.1 -1.7
MHGZ	Mahia Peninsul	2.01 227	i S	Pb	11 33 10.3
MHGZ	Mahia Peninsul	2.01 227	i S	Pb	11 33 10.6
KNZ	Kokohu	2.07 233	i P	Pg	11 33 14.0 -2.3
KNZ	Kokohu	2.07 233	i S	Pb	11 33 14.0 -2.3
KNZ	Kokohu	2.07 233	i S	Pb	11 33 18.8
SNZ	Shannon Statio	2.17 242	i P	Pg	11 32 42.9 +2.3
SNZ	Shannon Statio	2.17 242	i S	Pb	11 33 16.7
SNZ	Shannon Statio	2.17 242	i S	Pb	11 33 17.6

URZ	Urewera	2.17 257	Pn	11 32 42.6 +2.0	
URZ	Urewera	2.17 257	Sn	11 33 06.7 +0.4	
URZ	Urewera	32m,0.3s,baz=174,slow=20,SNR=17	Pn	11 32 42.4 +1.8	
URZ	Urewera	2.17 257	Sn	11 33 10.3	
URZ	Urewera	2.17 257	Sn	11 33 18.1	
WHRZ	Whale Island	2.23 268	Pn	11 32 42.7 +1.2	
RTZ	Rautahuna	2.36 249	Pn	11 32 45.8 +2.4	
WHZ	Waihua	2.38 237	Pn	11 32 46.2 +2.6	
WHZ	Waihua	2.38 237	Pn	11 33 25.2	
MUGZ	Murupara	2.48 253	Pn	11 32 46.4 +1.5	
MTHZ	Maungataniwha	2.55 245	Pn	11 32 48.0 +2.1	
OPRZ	Opapepea	2.56 268	Pn	11 32 46.2 +2.1	
OPRZ	Opapepea	2.56 268	Pn	11 33 21.1	
OPRZ	Opapepea	2.56 268	Pn	11 33 59.6	
ARHZ	Arapoanu	2.64 235	Pn	11 32 49.8 +2.8	
ARHZ	Arapoanu	2.64 235	Pn	11 33 27.4	
ARHZ	Arapoanu	2.64 235	Pn	11 33 27.4	
PRRZ	Plateau Road	2.77 254	Pn	11 32 50.2 +1.3	
PRRZ	Plateau Road	2.77 254	Pn	11 33 32.6	
ALRZ	Allen Road	2.82 253	eP	Pn	11 32 51.5 +1.9
ALRZ	Allen Road	2.82 253	eP	Pn	11 33 31.1
ALRZ	Allen Road	2.82 253	eP	Pn	11 33 35.7
ALRZ	Allen Road	2.82 253	eP	Pn	11 32 51.7 +2.0
CKHZ	Cape Kidnapper	2.82 228	Pn	11 32 51.7 +2.0	
CKHZ	Cape Kidnapper	2.82 228	Pn	11 33 30.0	
CKHZ	Cape Kidnapper	2.82 228	Pn	11 33 30.0	
BKZ	Black Stump Fm	2.93 241	Pn	11 32 53.0 +1.8	
BKZ	Black Stump Fm	2.93 241	Pn	11 33 30.3	
BKZ	Black Stump Fm	2.93 241	Pn	11 33 31.3	
MCNZ	McNeill Hill	2.93 235	Pn	11 33 35.7 +2.2	
MCNZ	McNeill Hill	2.93 235	Pn	11 33 35.7	
MCHZ	McNeill Hill	2.93 235	Pn	11 33 35.7	
PXZ	Pawanui	3.19 225	Pn	11 32 55.5 +0.7	
PXZ	Pawanui	3.19 225	Pn	11 33 39.2	
PXZ	Pawanui	3.19 225	Pn	11 33 40.5	
KRHZ	Kereru	3.25 234	Pn	11 33 37.9 +1.5	
KRHZ	Kereru	3.25 234	Pn	11 33 37.5	
KRHZ	Kereru	3.25 234	Pn	11 33 37.7	
BHHZ	Black Hill Sta	3.37 239	Pn	11 32 59.3 +2.0	
BHHZ	Black Hill Sta	3.37 239	Pn	11 33 40.0	
BHHZ	Black Hill Sta	3.37 239	Pn	11 33 40.7	
KUHZ	Kuaotunu	3.41 287	i P	Pg	11 32 56.8 -0.9
PNHZ	Pukenui	3.51 232	Pn	11 33 00.2 +1.1	
PNHZ	Pukenui	3.51 232	Pn	11 33 44.4	
PNHZ	Pukenui	3.51 232	Pn	11 33 47.0	
MOVZ	Moawhango	3.55 242	Pn	11 33 01.0 +1.3	
MOVZ	Moawhango	3.55 242	Pn	11 33 42.3 +0.9	
TSZ	Takapari Road	3.75 232	Pn	11 33 48.3 +0.7	
TSZ	Takapari Road	3.75 232	Pn	11 33 51.9	
TSZ	Takapari Road	3.75 232	Pn	11 33 51.9	
MKAZ	Moumakai	3.75 279	Pn	11 33 01.9 -0.4	
DVHZ	Dunveikie	3.77 227	Pn	11 33 03.5 +0.8	
DVHZ	Dunveikie	3.77 227	Pn	11 33 49.7	
DVHZ	Dunveikie	3.77 227	Pn	11 33 49.7	
ETAZ	East Tamaki Re	3.96 281	Pn	11 33 05.3 0.0	
RVAZ	Riverhead Bore	4.28 282	Pn	11 33 09.6 0.0	
MRZ	Mangatoinoa K	4.35 227	Pn	11 33 11.1 +0.5	
MRZ	Mangatoinoa K	4.35 227	Pn	11 34 03.3	
MRZ	Mangatoinoa K	4.35 227	Pn	11 34 03.3	



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

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

CSEM 2013:28:30.9-0.3, 38.70N-43.59E, h10km, ML2.7, Error ellipse: s-maj=9.2km s-min=6.1km az=84.0

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

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

IDC 2013:38:12.1-7.7, 10.55N-93.56E, h136km, 69km, mb3.4/7, mb1 3.6/8, mb1mx3.2/42, mbtmp3.4/8, Error ellipse: s-maj=66.9km s-min=14.6km az=51.0, Andaman Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, Res. Includes stations like CMAR, H08S3, H08S2, etc.

ISCJB 2013:43:04.6-1.4, 32.2N, 0.2-141.8E, h26km, mb3.4/4, Error ellipse: s-maj=35.8km s-min=11.9km az=139.1

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

IDC 2013:57:50.2-5.6, 6.06S, 130.02E, h0km, mb3.6/1, mb1 3.7/4, mb1mx3.4/31, mbtmp3.5/4, ML3.7/3, Error ellipse: s-maj=116.7km s-min=28.3km az=76.0

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

IDC 2014:09:27.2-0.5, 23.13S, 175.25W, h0km, mb4.7/22, mb1 4.8/23, mb1mx4.8/35, mbtmp4.7/23, ML3.2/1, MS5.0/15, Ms1 4.9/15, mb1mx4.6/33, Error ellipse: s-maj=18.0km s-min=14.6km az=165.0

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

IDC 2014:09:32.4-0.3, 23.22S, 0.06E, 175.26W, 0.05, h34km, n686, e173/463, mb5.2/145, MS5.3/377, 46C-30, Tonga Islands region

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

Large table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, Res. Includes stations like OXZ, MQZ, RPZ, etc.



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WR9	comp=Z,2.0m,20.0s	LR	LR		
KKO	Keanakako'i	46.64	26	PFAKE	LR
BYO	comp=Z,2.0m,22.0s			LR	LR
KYL	Byron's Ledge	46.66	26	PFAKE	LR
BYL				LR	LR
WR7	comp=Z,3.0m,19.0s				
WR7	Warramunga Arr	46.67	264	PFAKE	LR
WR7				LR	LR
WR6	comp=Z,3.0m,20.0s				
WR6	Warramunga Arr	46.69	264	PFAKE	LR
WR6				LR	LR
JCUZ	comp=Z,3.0m,19.0s				
JCUZ	Jacuzzi	46.70	27	PFAKE	LR
JCUZ				LR	LR
WR5	comp=Z,2.0m,21.0s				
WR5	Warramunga Arr	46.71	264	PFAKE	LR
WR5				LR	LR
WR4	comp=Z,2.0m,20.0s				
WR4	Warramunga Arr	46.73	264	PFAKE	LR
WR4				LR	LR
WR3	comp=Z,2.0m,20.0s				
WR3	Warramunga Arr	46.75	264	PFAKE	LR
WR3				LR	LR
WC3	comp=Z,2.0m,20.0s				
WC3	Warramunga Arr	46.76	264	PFAKE	LR
WC3				LR	LR
WR2	comp=Z,2.0m,20.0s				
WR2	Warramunga Arr	46.77	264	PFAKE	LR
WR2				LR	LR
WC2	comp=Z,2.0m,19.0s				
WC2	Warramunga Arr	46.78	264	PFAKE	LR
WC2				LR	LR
WB2	comp=Z,3.0m,18.0s				
WB2	Warramunga Arr	46.79	264	eP	P
WB2	comp=Z,1.03nm,1.6s			LR	LR
WB2				LR	LR
WB3	comp=Z,3.0m,19.0s				
WB3	Warramunga Arr	46.79	264	PFAKE	LR
WB3				LR	LR
WB5	comp=Z,2.0m,19.0s				
WB5	Warramunga Arr	46.79	264	PFAKE	LR
WB5				LR	LR
WB0	comp=Z,2.0m,19.0s				
WB0	Warramunga Arr	46.79	264	PFAKE	LR
WB0				LR	LR
WB4	comp=Z,3.0m,18.0s				
WB4	Warramunga Arr	46.79	264	PFAKE	LR
WB4				LR	LR
WB8	comp=Z,2.0m,19.0s				
WB8	Warramunga Arr	46.79	264	PFAKE	LR
WB8				LR	LR
WRAB	comp=Z,2.0m,19.0s				
WRAB	Tennant Creek	46.79	264	eP	P
WRAB				pmax	pmax
WRAB	comp=Z,8.3nm,1.5s			MLR	MLR
WRAB				MLR	MLR
WRAB	comp=Z,3.0m,19.0s				
WRAB	Tennant Creek	46.79	264	eP	P
WRAB				LR	LR
WRAB	comp=Z,8.3nm,1.5s			MLR	MLR
WRAB				MLR	MLR
WRAB	comp=Z,3.0m,19.0s				
WRAB	Warramunga Arr	46.79	264	PFAKE	LR
WRAB				LR	LR
WB6	comp=Z,5.0m,20.0s				
WB6	Warramunga Arr	46.79	264	PFAKE	LR
WB6				LR	LR
WC4	comp=Z,2.0m,19.0s				
WC4	Warramunga Arr	46.79	264	PFAKE	LR
WC4				LR	LR
WR1	comp=Z,2.0m,20.0s				
WR1	Warramunga Arr	46.80	264	PFAKE	LR
WR1				LR	LR
WRA	comp=Z,2.0m,20.0s				
WRA	Warramunga Arr	46.80	264	P	P
WRA				LR	LR
WRA	comp=Z,1.5nm,0.6s,baz=5,slow=8.5,SNR=184			PcP	PcP
WRA				LR	LR
WRA	comp=Z,2.1nm,0.9s,baz=103,slow=3.2,SNR=2.4			S	S
WRA				LR	LR
WRA	comp=Z,2.5nm,1.0s,baz=101,slow=1.4,SNR=5.8			LR	LR
WRA				LR	LR
WC1	comp=Z,2.0m,18.5s,baz=100,slow=36			PFAKE	LR
WC1	Warramunga Arr	46.80	264	PFAKE	LR
WC1				LR	LR
FORT	comp=Z,2.0m,19.0s				
FORT	Forrest	50.61	249	eP	P
FORT				LR	LR
WRKA	comp=Z,3.0m,19.0s				
WRKA	Warakurna	51.22	256	P	P
WRKA				LR	LR
MTN	comp=Z,5.0m,20.0s				
MTN	Manton Dam	51.76	272	P	P
MTN				LR	LR
MTN	comp=Z,5.1nm,1.6s			LR	LR
MTN				LR	LR
KNRA	comp=Z,3.0m,19.0s				
KNRA	Kununurra	53.05	267	P	P
KNRA				LR	LR
FAKI	comp=Z,5.0m,20.0s				
FAKI	Fak Fak	54.60	284	PFAKE	LR
FAKI				LR	LR
FITZ	comp=Z,1.0m,20.0s				
FITZ	Fitzroy Crossi	55.22	264	P	P
FITZ				LR	LR
SBA	comp=Z,1.0m,19.0s				
SBA	Scott Base	55.35	185	eP	P
SBA				pmax	pmax
SBA	comp=Z,3.9nm,1.3s			MLR	MLR
SBA				MLR	MLR
SBA	comp=Z,1.0m,19.0s				
SBA	Scott Base	55.35	185	eP	P
SBA				LR	LR
SBA	comp=Z,4.0nm,1.3s			LR	LR
SBA				LR	LR
SBA	comp=Z,1.0m,19.0s				
SBA	Vanda	55.45	186	P	P
SBA				LR	LR
VNDA	comp=Z,1.5nm,1.1s,baz=4.8,slow=7.6,SNR=2.7			LR	LR
VNDA				LR	LR
VNDA	comp=Z,5.0nm,19.7s,baz=20,slow=33			eP	P
VNDA				pmax	pmax
VNDA				LR	LR
VNDA	comp=Z,2.9nm,1.5s			eP	P
VNDA				LR	LR
VNDA	comp=Z,2.9nm,1.5s			eP	P
VNDA				LR	LR
MSAI	comp=Z,2.9nm,1.5s			P	P
MSAI	Masohi	57.40	281	P	P
MSAI				LR	LR
AAI	comp=Z,2.9nm,1.5s			P	P
AAI	Ambon	57.92	281	P	P
AAI				LR	LR
NLAI	comp=Z,2.9nm,1.5s			P	P
NLAI	Narmlea	59.10	281	P	P
NLAI				LR	LR
SOEI	comp=Z,1.32nm,1.1s			eP	P
SOEI				LR	LR
SOEI	comp=Z,2.0m,20.0s			LR	LR
SOEI				LR	LR
KLBR	comp=Z,2.0m,20.0s			P	P
KLBR	Kellerberrin	59.25	246	P	P
KLBR				LR	LR
NWAO	comp=Z,1.0m,18.0s				
NWAO	Narrogin (SRO)	59.46	244	PFAKE	LR
NWAO				LR	LR
MEEK	comp=Z,1.0m,18.0s				
MEEK	Meekatharra	59.46	252	P	P
MEEK				LR	LR
MBWA	comp=Z,1.0m,18.0s				
MBWA	Marble Bar	59.77	258	eP	P
MBWA				LR	LR
MBWA	comp=Z,4.9nm,1.3s			LR	LR
MBWA				LR	LR
LBMI	comp=Z,2.0m,18.0s				
LBMI	Labuha	59.86	284	P	P
LBMI				LR	LR
BLDU	comp=Z,2.0m,18.0s				
BLDU	Balidu	60.31	247	P	P
BLDU				LR	LR
SANI	comp=Z,1.9nm,0.7s,baz=163,slow=6.4,SNR=6.4			P	P
SANI	Sanana	60.60	281	P	P
SANI				LR	LR
MORW	comp=Z,1.9nm,0.7s,baz=163,slow=6.4,SNR=6.4			P	P
MORW	Morawa	61.18	249	P	P
MORW				LR	LR
MMRI	comp=Z,6.2nm,2.2s				
MMRI	Maumere	61.41	273	PFAKE	LR
MMRI				LR	LR
CASY	comp=Z,6.00nm,18.0s				
CASY	Casey	62.62	206	PFAKE	LR
CASY				LR	LR
KAPI	comp=Z,9.00nm,18.0s				
KAPI	Kappang	65.07	275	PFAKE	LR
KAPI				LR	LR
MIR	comp=Z,8.00nm,22.0s				
MIR	Mirny	69.62	205	/P	P
MIR				pmax	pmax
MJAR	comp=Z,6.0nm,1.5s				
MJAR	Matsushiro Arr	73.91	323	P	P
MJAR				LR	LR
MAJO	comp=Z,1.9nm,0.7s,baz=163,slow=6.4,SNR=6.4				
MAJO	Matsushiro	73.91	323	eP	P
MAJO				pmax	pmax
KSM	comp=Z,6.2nm,2.2s				
KSM	Kuching	76.30	278	PFAKE	LR
KSM				LR	LR
ASAJ	comp=Z,4.00nm,19.0s				
ASAJ	Asahikawa	77.33	330	P	P
ASAJ				LR	LR

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ASAJ	comp=Z,1.7nm,0.9s,baz=233,slow=8.4,SNR=5.1				
ASAJ	Asahikawa	77.33	330	eP	P
ASAJ				LR	LR
SKR	comp=Z,2.5nm,1.0s				
SKR	Severo-Kuril's	77.81	342	eP	P
SKR				LR	LR
SAO	comp=Z,2.0m,18.0s				
SAO	San Andreas Ge	78.32	41	PFAKE	LR
SAO				LR	LR
PMPB	comp=Z,2.0m,18.0s				
PMPB	Monarch Peak	78.36	42	PFAKE	LR
PMPB				LR	LR
MCCM	comp=Z,1.0m,19.0s				
MCCM	Marconi Confer	78.37	40	PFAKE	LR
MCCM				LR	LR
PAGB	comp=Z,1.0m,19.0s				
PAGB	Antelo Grade	78.39	43	eP	P
PAGB				LR	LR
OSI	comp=Z,2.0m,19.0s				
OSI	Osito Audit: C	78.66	45	PFAKE	LR
OSI				LR	LR
HOPS	comp=Z,1.0m,19.0s				
HOPS	Hopland Field	78.83	39	PFAKE	LR
HOPS				LR	LR
MWC	comp=Z,2.0m,18.0s				
MWC	Mount Wilson	78.85	45	PFAKE	LR
MWC				LR	LR
GDXM	comp=Z,1.0m,20.0s				
GDXM	Geysers	78.86	39	PFAKE	LR
GDXM				LR	LR
SRIG	comp=Z,2.0m,21.0s				
SRIG	Santa Rosalia	78.91	54	PFAKE	LR
SRIG				LR	LR
VES	comp=Z,2.0m,18.0s				
VES	Vestal, Richgr	79.19	43	P	P
VES				LR	LR
EDW2	comp=Z,2.0m,18.0s				
EDW2	Edwards Air Fo	79.30	45	P	P
EDW2				LR	LR
YSS	comp=Z,2.0m,18.0s				
YSS	Yuzh-Sakhalins	79.47	332	eP	P
YSS				pmax	pmax
ISA	comp=Z,1.54nm,1.6s				
ISA	Isabela, Lake	79.47	44	PFAKE	LR
ISA				LR	LR
PFO	comp=Z,9.00nm,20.0s				
PFO	Pinyon Flats O	79.53	47	PFAKE	LR
PFO				LR	LR
XPFO	comp=Z,2.0m,19.0s				
XPFO	Pison Flat	79.54	47	PFAKE	LR
XPFO				LR	LR
PETK	comp=Z,2.0m,20.0s				
PETK	Petrovavlovsk-	79.56	344	P	P
PETK				LR	LR
PETK	comp=Z,7.6nm,0.7s,baz=121,slow=6.4,SNR=5.8			LR	LR
PETK				LR	LR
CMB	comp=Z,5.93nm,20.9s,baz=164,slow=31				
CMB	Columbia Cole	79.78	41	eP	P
CMB				pmax	pmax
CMB	comp=Z,10.0nm,1.1s			MLR	MLR
CMB				MLR	MLR
CMB	comp=Z,1.0m,18.0s				
CMB	Columbia Cole	79.78	41	eP	P
CMB				LR	LR
CMB	comp=Z,1.0nm,1.1s			LR	LR
CMB				LR	LR
MAW	comp=Z,1.0m,18.0s				
MAW	Mawson	79.86	199	P	P
MAW				LR	LR
MAW	comp=Z,8.0nm,0.8s,baz=141,slow=5.5,SNR=15			LR	LR
MAW				LR	LR
MAW	comp=Z,7.34nm,18.1s,baz=103,slow=36				
MAW	Mawson	79.86	199	P	P
MAW				LR	LR
AFDM	comp=Z,8.0nm,7.7				
AFDM	Forest Hills D	80.02	40	eP	P
AFDM				LR	LR
AFDM	comp=Z,3.5nm,1.9s			LR	LR
AFDM				LR	LR
ORV	comp=Z,1.0m,18.0s				
ORV	Oroville	80.11	39	eP	P
ORV				pmax	pmax
ORV					



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Table with columns: Station, Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like NANT Nan, SCIG Sabancuy, HIA Hialar, etc.

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Table with columns: Station, Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like LZH LZH, TUMC Tumaco, HHAR Hobbs, etc.

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Table with columns: Station, Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like ACSO Alum Creek Sta, SAML Samuel, AAM Ann Arbor, etc.

Table with columns: Station Name, Frequency, Mode, and other technical details. Includes stations like BRVK Borovoye, ARU Arti, and many others.

Table with columns: Station Name, Frequency, Mode, and other technical details. Includes stations like CLL Colim, PLOS Plostin, and many others.

Table with columns: Station Name, Frequency, Mode, and other technical details. Includes stations like KBA Koelnbreinsper, RETA Reutte, and many others.





WPRZ		AML	15 54 59.1	
KAHZ	Kahuranaki	Pn	15 54 17.4 +1.6	
KAHZ	Kahuranaki	Pn	15 54 17.4 +1.6	
KAHZ		AML	15 54 57.0	
KAHZ		AML	15 54 57.9	
KWHZ	Kaweka Forest	1.11 237	15 54 18.6 +1.9	
KWHZ		AML	15 55 00.0	
KWHZ		AML	15 55 00.8	
PXZ	Pawanui	Pn	15 54 19.0 +1.0	
PXZ	Pawanui	Pn	15 54 18.9 +0.8	
PXZ		AML	15 55 01.8	
PXZ		AML	15 55 01.8	
KRHZ	Kereru	Pn	15 54 20.2 +1.4	
KRHZ		AML	15 55 01.2	
KRHZ		AML	15 55 04.1	
RITZ	Rihia Road	3.31 247	15 54 21.4 +2.0	
RITZ	Rihia Road	Pn	15 54 20.9 +1.5	
RITZ		AML	15 55 01.0	
RITZ		AML	15 55 04.3	
RATZ	Rangitukua	3.34 249	15 54 21.0 +1.1	
RATZ	Rangitukua	Pn	15 54 21.2 +1.4	
RATZ		AML	15 55 10.3	
RATZ		AML	15 55 14.8	
BHHZ	Black Hill Sta	3.39 238	15 54 22.0 +1.6	
BHHZ	Black Hill Sta	Pn	15 54 22.0 +1.6	
BHHZ		AML	15 55 04.1	
BHHZ		AML	15 55 04.1	
TJZ	Tahuroa Road	3.39 269	15 54 20.7 +0.2	
TJZ	Tahuroa Road	Pn	15 54 20.5 0.0	
TOZ		AML	15 55 03.5	
KUZ	Kuaotunu	3.39 286	15 54 19.4 -1.0	
KUZ	Kuaotunu	Pn	15 54 19.4 -1.0	
WPHZ	Waipukurau	3.48 227	15 54 23.9 +1.2	
WPHZ	Waipukurau	Pn	15 54 23.9 +1.1	
WPHZ		AML	15 55 06.6	
WPHZ		AML	15 55 06.8	
KRVZ	Karewarewa	3.52 246	15 54 23.7 +1.4	
KRVZ	Karewarewa	Pn	15 54 23.6 +1.4	
KRVZ		AML	15 55 09.7	
KRVZ		AML	15 55 14.8	
PNHZ	Pukenui	3.53 231	15 54 23.8 +1.4	
PNHZ		AML	15 55 06.2	
PNHZ		AML	15 55 08.9	
WTVZ	West Tongariro	3.56 246	15 54 24.4 +1.5	
WTVZ	West Tongariro	Pn	15 54 24.7 +1.8	
WTVZ		AML	15 55 15.8	
WTVZ		AML	15 55 15.8	
MOVZ	Moawhango	3.56 241	15 54 24.1 +1.2	
MOVZ	Moawhango	Pn	15 54 24.1 +1.2	
MOVZ		AML	15 55 08.7	
MOVZ		AML	15 55 09.9	
ANWZ	Angora Road	3.73 223	15 54 26.1 +1.0	
ANWZ		AML	15 55 17.3	
ANWZ		AML	15 55 19.4	
MKAZ	Moumakai	3.73 279	15 54 24.9 -0.2	
MKAZ	Moumakai	Pn	15 54 24.9 -0.2	
MKAZ		AML	15 55 27.7	
TSZ	Takapari Road	3.76 231	15 54 26.4 +0.8	
TSZ	Takapari Road	Pn	15 54 26.4 +0.8	
TSZ		AML	15 55 13.5	
TSZ		AML	15 55 13.9	
GRZ	Great Barrier	3.77 292	15 54 25.9 -0.7	
GRZ		AML	15 55 25.2	
GRZ		AML	15 55 21.2	
ETAZ	East Tamaki Re	3.95 280	15 54 28.4 +0.3	
ETAZ	East Tamaki Re	Pn	15 54 28.0 -0.1	
ETAZ		AML	15 54 33.2 -0.1	
HIZ	Hauti	3.95 257	15 54 27.4 +0.3	
HIZ		AML	15 54 27.4 +0.3	
BFZ	Birch Farm	4.01 222	15 54 29.2 +0.3	
BFZ	Birch Farm	Pn	15 54 29.2 +0.3	
BFZ		AML	15 55 18.5	
BFZ		AML	15 55 19.0	
PRWZ	Pori Road	4.07 225	15 54 31.5 +1.7	
PRWZ	Pori Road	Pn	15 54 31.5 +1.7	
PRWZ		AML	15 55 21.7	
PRWZ		AML	15 55 22.0	
POWZ	Post Office Ro	4.08 229	15 55 23.5	
POWZ		AML	15 55 23.9	
AWAZ	Awhitu Peninsula	4.15 278	15 54 31.3 +0.5	
AWAZ	Vera Road	4.17 249	15 54 33.3 +2.1	
VRZ	Vera Road	4.17 249	15 54 33.3 +2.1	
VRZ		AML	15 55 22.2	
RVAZ	Riverhead Bore	4.26 282	15 54 33.1 +0.6	
RVAZ	Riverhead Bore	Pn	15 54 33.1 +0.6	
MRZ	Mangatainoka R	4.37 227	15 54 34.0 +0.1	
MRZ	Mangatainoka R	Pn	15 54 34.0 +0.1	
MRZ		AML	15 55 27.8	
MRZ		AML	15 55 28.7	
TMWZ	Te Maipa	4.50 221	15 54 35.5 -0.3	
TMWZ	Te Maipa	ePN	15 54 35.4 -0.4	
TMWZ		AML	15 55 30.6	
HOWZ	Holdsworth Sta	4.56 225	15 54 36.9 +0.3	
HOWZ	Holdsworth Sta	Pn	15 54 36.9 +0.3	
HOWZ		AML	15 55 31.3	
HOWZ		AML	15 55 31.9	
WCZ	Waipu Caves	4.72 291	15 54 38.4 -0.3	
WCZ	Waipu Caves	Pn	15 54 38.5 -0.3	
WCZ		AML	15 55 25.5	
WCZ		AML	15 55 27.2	
PLWZ	Palliser	5.17 221	15 54 44.1 -0.8	
PLWZ	Palliser	Pn	15 54 43.7 -1.2	
PLWZ		AML	15 55 44.8	
PLWZ		AML	15 55 44.8	
TCW	Tory Channel	5.48 229	15 54 49.4 +0.2	
TCW	Tory Channel	Pn	15 54 49.3 +0.1	
TCW		AML	15 55 53.5	
TCW		AML	15 55 54.0	
OUZ	Omahuta	5.59 295	15 54 50.2 -0.4	
OUZ	Omahuta	Pn	15 54 50.2 -0.4	
TUWZ	Tuamarina	5.81 229	15 54 53.5 -0.2	
TUWZ	Tuamarina	ePN	15 54 52.5 -1.2	
TUWZ		AML	15 56 02.6	
TUWZ		AML	15 56 04.3	
NNZ	Nelson	6.04 233	15 54 56.2 -0.6	
NNZ	Nelson	Pn	15 55 08.5 +4.4	
CTZ	Chatham Island	6.57 157	15 55 08.3 +4.2	
CTZ	Chatham Island	Pn	15 55 08.3 +4.2	
THZ	Tophouse	6.64 231	15 55 04.4 -0.8	
THZ	Tophouse	Pn	15 55 04.4 -0.8	
THZ		AML	15 56 23.2	
THZ		AML	15 56 26.3	
KHZ	Kahutara	6.67 224	15 55 04.1 -1.5	
KHZ	Kahutara	ePN	15 55 03.6 -2.0	
KHZ		AML	15 56 21.7	
KHZ		AML	15 56 22.0	
LTZ	Lake Taylor	7.62 226	15 55 18.3 -0.4	
LTZ	Lake Taylor	ePN	15 55 18.3 -0.4	
CRZL	Canterbury Las	7.96 221	15 55 22.8 -0.3	
CRZL	Canterbury Las	Pn	15 55 22.1 -0.9	
CRZL		AML	15 55 22.4 -1.8	
MOZ	McQueen's Vall	8.04 220	15 56 52.7	
MOZ		AML	15 56 52.7	
OXZ	Oxford	8.10 224	15 55 24.1 -1.1	
OXZ	Rata Peaks	8.90 225	15 55 35.9 -0.2	
RPZ		Sn	15 57 11.2 -5.2	
ODZ	Otauhu Downs	10.00 220	15 55 49.9 -1.3	
ODZ	Otauhu Downs	ePN	15 55 49.9 -1.3	
RRK	Rarotonga	24.16 53	15 57 09.0	
STAR	Stevens Creek	31.74 269	15 59 52.2 +0.6	
ASAR	Alice Springs	41.47 276	15 60 13.9 -0.8	
WRAB	Tennant Creek	43.12 281	15 60 26.7 -1.4	
WRA	Warramunga Arr	43.12 281	15 60 26.9 -1.3	
QSPA	South Pole Qui	52.37 180	15 60 45.5 +6.0	
CMAR	Chiang Mai Arr	94.13 290	15 60 47.2 +0.6	
ARCES	ARCES Array B	145.28 314	15 63 04.8 +0.5	
FINES	FINES Array B	151.13 334	15 63 20.7 +0.7	
BRTR	Keskin Array B	153.60 285	15 63 26.7 +0.3	
TORD	Tordi Ar. Bea	155.44 184	15 63 56.3 +9.3	

WEL 20 15:54:01.8±0.0,3,37.39;S:179.92E,h33km,ML4.7/56, Error ellipse: s-maj=4.1km s-min=2.8km az=0.0  
 IDC 20 15:54:02.9±1.8,36.86;S:179.10E,h0km,mb4.5/3, mb1 4.7/4,mb1mx4.1/27,mbtmp4.6/4,ML4.3/1,MS3.5/1, s-min=38.0km az=163.0  
 NEIC 20 15:54:03.9±1.3,36.90;S:179.13E,h10km,mb4.5/1, Error ellipse: s-maj=33.9km s-min=25.6km az=143.0  
 ISC 20 15:54:06.4±1.8,37.57;S:179.59E,h34km,5/5km, n7.1,ci1935/0,mb4.5/4,1C,Off east coast of North

Code	Station Name	A° AZ°	Phase ID	Time Res
			Op ISC	h m s ISC
WMGZ	Waionmatatini S	0.96 254	Pn	15 54 22.4 -1.1
WMGZ			SN	15 54 38.4 +1.2
WMGZ			AML	15 54 39.2
MXZ	Matakaoa Point	1.02 270	AML	15 54 06.6
MXZ			Pn	15 54 23.0 -1.2
MXZ			SN	15 54 38.7 0.0
PUZ	Puketiti	1.17 244	Pn	15 54 25.8 -0.5
PUZ			SN	15 54 43.0 0.0
PUZ			AML	15 54 46.7
PKGZ	Pakihiroa	1.24 255	AML	15 54 26.4 -1.0
PKGZ			Pn	15 54 45.7
PKGZ			AML	15 54 27.4 -2.2
PKGZ			AML	15 54 51.7
PKGZ			AML	15 54 56.0
CNGZ	Carnagh Statio	1.42 230	AML	15 54 33.6
CNGZ			AML	15 54 53.7
HUZ	Te Kaha	1.45 262	Pn	15 54 29.5 -0.5
HUZ			SN	15 54 50.4 -0.5
HUZ			AML	15 54 51.4
HUZ			AML	15 54 51.4
HUZ			AML	15 54 56.9
RAGZ	Raukumara Rang	1.57 255	Pn	15 54 32.0 +0.1
TKGZ	Te Karaka	1.63 237	SN	15 54 53.8 +1.5
TKGZ			AML	15 54 55.4
MWZ	Matawai	1.80 244	SN	15 54 57.4 +0.8
MWZ			AML	15 54 59.2
RIGZ	Rimuahu	1.83 231	ePN	15 55 45.9 +0.4
RIGZ			SN	15 55 49.8 +2.2
RIGZ			AML	15 55 50.2
PRGZ	Paritu Road	1.91 224	Pn	15 54 35.7 -0.7
PRGZ			SN	15 55 01.6 +2.3
PRGZ			AML	15 55 06.2
RAGZ	Rawiri	1.95 241	AML	15 55 02.5
RAGZ			AML	15 55 04.1
MHGZ	Mahia Peninsula	2.06 219	AML	15 55 16.4
MHGZ			AML	15 55 16.4
URZ	Urewera	2.08 250	Pn	15 54 38.0 -0.8
URZ			Sn	15 55 03.6 +0.2
URZ			Pn	15 54 38.9 +0.1
URZ			AML	15 55 06.2
URZ			AML	15 55 07.9
KNZ	Kokohu	2.09 225	Pn	15 54 37.0 -2.0
KNZ			AML	15 55 09.5
KNZ			AML	15 55 13.7
SNGZ	Shannon Statio	2.15 235	AML	15 55 13.6
SNGZ			AML	15 55 13.6
WHZ	Waihua	2.19 230	Pn	15 54 41.7 -1.3
WHZ			SN	15 55 12.4 +1.2
WHZ			AML	15 55 18.2
MUGZ	Murupara	2.40 247	Pn	15 54 42.9 -0.4
MUGZ	Ohinepanea	2.42 263	ePN	15 54 43.3 -0.2
MUGZ			AML	15 55 13.0
OPRZ			AML	15 55 14.6
MTHZ	Maungataniwha	2.52 238	Pn	15 54 44.1 -0.7
TARZ	Mount Tarawera	2.53 254	ePN	15 54 47.4 +2.3
TARZ			AML	15 55 18.9
TARZ			AML	15 55 19.1
ARHZ	Aropoanui	2.65 229	Pn	15 55 19.9 -0.8
ARHZ			AML	15 55 20.3
ARHZ			AML	15 55 24.0
NMHZ	Naumai	2.67 234	ePN	15 54 46.6 -0.4
NMHZ			AML	15 55 22.5
NMHZ			AML	15 55 27.9
KARZ	Kaharoa	2.69 259	Pn	15 54 45.9 -1.3
KARZ			AML	15 55 23.4
KARZ			AML	15 55 25.4
KARZ			AML	15 55 29.9
PRRZ	Plateau Road	2.69 249	AML	15 55 26.9
TARZ			AML	15 55 29.9
MRZ	Matea Rd	2.80 242	AML	15 55 25.0
MRZ			AML	15 55 25.0
CKHZ	Cape Kidnapper	2.87 223	Pn	15 54 46.5 -3.2
CKHZ			AML	15 55 27.9
CKHZ			AML	15 55 31.3
BKZ	Black Stump Fm	2.91 236	Pn	15 54 49.0 -1.3
BKZ			AML	15 55 26.0
BKZ			AML	15 55 26.0
MCHZ	McNeill Hill	2.94 230	Pn	15 54 49.4 -1.2
MCHZ			AML	15 55 27.1
MCHZ			AML	15 55 29.4
KAHZ	Kahuranaki	3.07 223	ePN	15 55 31.9 -2.6
KAHZ			AML	15 55 32.4
KAHZ			AML	15 55 33.9
KWHZ	Kaweka Forest	3.10 232	Pn	15 54 51.4 -1.5
KWHZ			AML	15 55 30.1
KWHZ			AML	15 55 31.9
KUZ	Kuaotunu	3.20 284	AML	15 55 22.6 -1.5
KUZ			AML	15 55 32.1
PXZ	Pawanui	3.25 220	Pn	15 54 52.2 -2.7
PXZ			AML	15 55 34.7
PXZ			AML	15 55 35.2
RITZ	Rihia Road	3.26 243	ePN	15 55 38.3
RITZ			AML	15 55 47.5
RITZ			AML	15 55 38.3
KRHZ	Kereru	3.26 230	AML	15 55 33.3
KRHZ			AML	15 55 33.5
RATZ	Rangitukua	3.27 245	Pn	15 54 55.0 -0.3
BHHZ	Black Hill Sta	3.37 234	Pn	15 54 48.9 -1.8
BHHZ			AML	15 55 35.8
BHHZ			AML	15 55 38.8
WPZH	Waipukurau	3.50 224	AML	15 55 41.6
WPZH			AML	15 55 41.9
MOVZ	Moawhango	3.53 237	AML	15 55 39.5
MOVZ			AML	15 55 41.4
PNHZ	Pukenui	3.54 227	AML	15 55 39.3
PNHZ			AML	15 55 42.9
MKAZ	Moumakai	3.56 276	AML	15 55 43.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ANTU, ROCH, PLCA, LVC, CPUP, etc.

WEL 20 15:56:56.4-0.1, 40.21N:175.89E, h27km, 1km, ML3.6/54, 11C-2D, Error ellipse: s-maj=1.1km s-min=0.7km az=90.0, North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TSZ, POWZ, DVHZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like OTVZ, Cape Kidnapper, Cannon Point, etc.

ISK 20 15:57:23.8, 38.84N:43.37E, h5km, MD3.0 CSEM 20 15:57:24.6-0.4, 38.83N:43.43E, h5km, MD3.0, Error ellipse: s-maj=10.6km s-min=6.5km az=89.0

DDA 20 15:57:24.2, 38.79N:43.39E, h7km, M12.5 ISC 20 15:57:25.0-0.9, 38.82N:0.03:43.41E, 0.04, h18km, 7km, n21, -0.18/37, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VMUR, VANS, VANB, etc.

JMA 20 16:09:00.0-0.1, 24.00N:122.27E, h19km, 3km, M2.3 ISCJB 20 16:09:01.7-0.8, 24.15N:122.30E:0.03, h25km, 6km, Error ellipse: s-maj=10.0km s-min=3.6km az=160.1

TAP 20 16:09:02.0, 24.24N:122.34E, h31km, 1km, ML3.0, D ISC 20 16:09:03.1, 24.14N:122.34E:0.02, h19km, 3km, n21, -0.078/37, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ENA, TWC, TWD, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HATJ, TYC, YUS, etc.

WEL 20 16:23:17.1-0.3, 37.49S:179.87E, h33km, ML3.8/20, 5C-2D, Error ellipse: s-maj=3.5km s-min=3.2km az=0.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WMGZ, MXGZ, PUZ, etc.

ISCJB 20 16:31:36.6-1.0, 2.99S:0.03:142.28E:0.03, h5km, 6km, mb5.0/113, MS5.0/126, Error ellipse: s-maj=5.1km s-min=4.3km az=147.2

IDC 20 16:31:37.9-0.4, 2.97S:142.23E, h0km, mb4.6/25, mb1.4/6/29, mb1mx4.6/39, mbtmp4.6/29, ML1.5/1, MS4.8/15, Ms1.4.8/15, ms1mx4.6/30, Error ellipse: s-maj=18.1km s-min=9.9km az=72.0

BUI 20 16:31:38.5, 3.12S:142.50E, h30km, mb5.1/65, mb5.6/71, Ms5.1/71, Ms7.4/77

GCMT 20 16:31:38.7, 0.1, 2.92S:142.25E, h12km, MW5.5/121, Moment Tensor Solution, s101, c147, s121, c242, Duration: 19.9 Moment tensor: Scale: 101/Nm; Mw1.44; 0.2; Mw0.53; 0.2; Mw0.91; 0.2; Mw0.83; 0.2; Mw1.19; 0.5; Best double couple: M1.9570000, NP1.335.00000, 865.00000, 1.103.00000, NP2.127.00000, 828.00000, 1.665.00000, Principal axes: T 1.9370, Plg67.0000, Azm269.0000, N 0.0430, Plg12.0000, Azm150.0000, P -1.9770, Plg19.0000, Azm56.0000, nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface/mantle waves, cutoff=50s

NEIC 20 16:31:38.7, 0.2, 2.95S:142.14E, h10km, mb5.2/51, MS5.1/89, MW5.7, Error ellipse: s-maj=5.6km s-min=4.7km az=81.0, Moment Tensor Solution, 20 Moment tensor: Scale: 101/Nm; Mw1.01; Mw0.61; Mw0.68; Mw0.17; Mw0.15; Mw3.92; Best double couple: M4.20000, 1017 NP1.1547.00000, 86.00000, 1.41.00000, NP2: 16.00000, 886.00000, 1.95.00000, Principal axes: T 4.1800, Plg49.0000, Azm291.0000, N -0.0700, Plg5.0000, Azm196.0000, P -4.1100, Plg41.0000, Azm102.0000

MOS 20 16:31:38.7, 0.1, 3.01S:142.16E, h25km, mb5.2/25, MS4.8/14, Error ellipse: s-maj=10.4km s-min=5.7km az=112.9

DJA 20 16:31:41.4, 1.8, 3.5S:141.2E, h13km, 10km, M5.3/27, mb5.1/27, mb5.8/20, MW(mb)5.3/20, MWp5.6/21, ISC 20 16:31:41.6, 0.8, 3.10S:104.142.19E:0.04, h27km, 5km, n416, c1994/381, mb5.1/113, MS5.1/128, 8C-18D, Near north coast of New Guinea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JAY, GENU, MPMI, etc.



20d 16h

Table with columns for station name, frequency, power, and other technical details. Includes stations like PMG Port Moresby, COEN Coen, and various others.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like DZM comp=Z,103nm,1.6s, HTT Hallett, and various others.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like GYA comp=Z,50nm,1.0s, GYA comp=Z,160nm,5.8s, and various others.



20d 17h

Table with columns: ARU, comp, 20d 17h, MLR, MLR, ARU, WHY, INK, INK, DLBC, SYO, SYO, BBB, KRMB, KRMB, PGC, PGC, BMW, BWMO, HUMO, GDXM, YBH, YBH, WDC, WDC, LLLB, LLLB, B06A, B06A, SAO, SAO, G06A, G06A, PMPB, PMPB, MOD, MOD, CMB, CMB, B08A, B08A, I07A, I07A, PNTR, PNTR, PAHR, PAHR, YERR, YERR, YKA, YKA, WVOR, WVOR, E09A, E09A, KIV, KIV, NEW, NEW, BMO, BMO, APA, APA, APA, APA, DAC, DAC, GSC, GSC, OBN, OBN, ARCES, ARCES, SNA, SNA, SNA, SNA, SNA, SNA, VNA3, VNA3, VNA1, VNA1, FINES, FINES, BKAS, BKAS, DPC, DPC, UVC, UVC, TREC, TREC, GPC, GPC, CONA, CONA, CLL, CLL, CLL, CLL, CLL, CLL, ARSA, ARSA, KHC, KHC, GERES, GERES, MOA, MOA, SOKA, SOKA, KBA, KBA, MOTA, MOTA, FETA, FETA, DAVA, DAVA

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Table with columns: PLCA, Paso Flores, IPO6, Yanceyville, TORD, Torodi, Torodi, TORD, TORD, TORD, ROSC, El Rosal, ROSC, El Rosal, CTAB, Cerrito Tablazo, VILC, Villavicencio, LPAZ, La Paz, LPAZ, La Paz, BARC, Barichara, RUSC, La Rusia, RUSC, La Rusia, KOWA, Kowa, PAOC, Pamplona, URIC, Uribia, CPUP, Villa Florida, CPUP, Villa Florida, PAOC, Pamplona, SDV, Santo Domingo, SDV, Santo Domingo, KIC, Kisan, DBIC, Dimbokro, TIC, Toumudi, LIC, Lamto, S.J.G, San Juan, S.J.G, San Juan, SAML, Samuel, WEL 20:16:50:10.9:0.1, 37.35x:179.91E, h33km, ML4.4/0, Error ellipse: s-maj=2.2km s-min=1.5km az=0.0, IDC 20:16:50:10.4:2.6, 36.94S:179.41E, h0km, mb3.9/2, mb1 4.2/3, mb1mx3.8/2.1, mbmtpa,0/3, ML4.3/1, MS4.1/1, MS1 4.1/1, ms1mx3.2/1.9, Error ellipse: s-maj=76.5km, ISC 20:17:00:8.2:2.2, 37.60S:0.08:179.93E, 0.07, h5km, 11km, n56, e131/56, 2C-1D, Off east coast of North Island, Code, Station Name, Az, Az, Phase ID, Time, Res, h, m, s, ISC, WMGZ, Waiomatatini S, WMGZ, Waiomatatini S, MXZ, Matakaoa Point, MXZ, Matakaoa Point, PUZ, Puketiti, PUZ, Puketiti, PKGZ, Pakihira, PKGZ, Pakihira, CNGZ, Carnagh Statio, CNGZ, Carnagh Statio, CNGZ, Carnagh Statio, TWGZ, Tauwharepara, TWGZ, Tauwharepara, HAZ, Te Kaha, HAZ, Te Kaha, RUGZ, Raikumara Rang, RUGZ, Raikumara Rang, TKGZ, Te Karaka, TKGZ, Te Karaka, MWZ, Matawai, MWZ, Matawai, RIGZ, Rimuhau, RIGZ, Rimuhau, RAGZ, Rawiri, RAGZ, Rawiri, MHGZ, Mahia Peninsula, MHGZ, Mahia Peninsula, KHZ, Kokohu, KHZ, Kokohu, URZ, Urewera, URZ, Urewera, URZ, Urewera, URZ, Urewera, WHRZ, Whale Island, WHRZ, Shannon Statio, SNGZ, Shannon Statio, SNGZ, Shannon Statio, RTZ, Ruatuhana, RTZ, Ruatuhana, WHZ, Waihua, WHZ, Waihua, MUZ, Murupara, MUZ, Murupara, OPRZ, Ohinepanea, OPRZ, Ohinepanea, ARHZ, Aropoanui, ARHZ, Aropoanui, PRRZ, Plateau Road, PRRZ, Plateau Road, MRHZ, Mataea Rd, MRHZ, Mataea Rd, KJKH, Cape Kidnapper, KJKH, Cape Kidnapper, BKZ, Black Stump Fm, BKZ, Black Stump Fm, KAHZ, Kahuranaki, KAHZ, Kahuranaki, KAHZ, Kahuranaki, KWHZ, Kaweka Forest, KWHZ, Kaweka Forest, PKXZ, Pawanui, PKXZ, Pawanui, KRHZ, Kereru, KRHZ, Kereru, KRHZ, Kereru, KUZ, Kuatounu, KUZ, Kuatounu, BHHZ, Black Hill Sta, BHHZ, Black Hill Sta, BHHZ, Black Hill Sta, PRHZ, Porangahau, PRHZ, Porangahau, PNHZ, Pukenui, PNHZ, Pukenui, PNHZ, Pukenui, MOVZ, Moawhango, MOVZ, Moawhango, MCRZ, Great Barrier, MCRZ, Great Barrier, GRZ, Mountakai, GRZ, Mountakai, TSZ, Takapari Road, TSZ, Takapari Road, BFZ, Birch Farm, BFZ, Birch Farm, MRZ, Mangatainoka, MRZ, Mangatainoka

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Table with columns: MRZ, MRZ, TMWZ, Te Maipa, TMWZ, Te Maipa, TMWZ, Te Maipa, HOWZ, Holdsworth Sta, HOWZ, Holdsworth Sta, HOWZ, Holdsworth Sta, OZU, Omahuta, OZU, Toru Channel, TUWZ, Tuamarina, TUWZ, Tuamarina, CTZ, Chatham Island, CTZ, Chatham Island, THZ, Topohue, THZ, Topohue, KHZ, Kahutara, KHZ, Kahutara, MQZ, McQueen's Vall, MQZ, McQueen's Vall, RPZ, Rata Peaks, RPZ, Rata Peaks, RPZ, Rata Peaks, RAR, Rarotonga, RAR, Rarotonga, ASAR, Alice Springs, ASAR, Alice Springs, WRA, Waramunga Arr, WRA, Waramunga Arr, ARCES, ARCES Array B, ARCES, ARCES Array B, FINES, FINES Array B, MAN 20:17:01:30, 10:30N:124.95E, h29km, mb4.3, ML3.2, MS3.0, IC, Leyte, Code, Station Name, Az, Az, Phase ID, Time, Res, h, m, s, ISC, MSLP, Maasin, MSLP, Maasin, SCPH, Surigao, SCPH, Surigao, OCLP, Ormoc, OCLP, Ormoc, PALP, Palo, PALP, Palo, BESP, Borongan, BESP, Borongan, CNP, Catarman, CNP, Catarman, MEX 20:17:12:12.8:0.4, 14:71N:94.05W, h15km, 38km, MD3.8, Off coast of Chiapas, Code, Station Name, Az, Az, Phase ID, Time, Res, h, m, s, ISC, PCIG, Maasin, PCIG, Maasin, TGIG, Ormoc, TGIG, Ormoc, CCGI, Comitan, CCGI, Comitan, WEL 20:17:20:14.5:0.6, 37.42S:179.87E, h33km, ML3.6/6, 1C-3D, Error ellipse: s-maj=6.0km s-min=5.0km az=0.0, Off east coast of North Island, Code, Station Name, Az, Az, Phase ID, Time, Res, h, m, s, ISC, WMGZ, Waiomatatini S, WMGZ, Waiomatatini S, MXZ, Matakaoa Point, MXZ, Matakaoa Point, PUZ, Puketiti, PUZ, Puketiti, PKGZ, Pakihira, PKGZ, Pakihira, CNGZ, Carnagh Statio, CNGZ, Carnagh Statio, HAZ, Te Kaha, HAZ, Te Kaha, RUGZ, Raikumara Rang, RUGZ, Raikumara Rang, MWZ, Matawai, MWZ, Matawai, MHZ, Mahia Peninsula, MHZ, Mahia Peninsula, URZ, Urewera, URZ, Urewera, URZ, Urewera, URZ, Urewera, ARHZ, Kokohu, ARHZ, Kokohu, MCHZ, McNeill Hill, MCHZ, McNeill Hill, PXZ, Pawanui, PXZ, Pawanui, NIED 20:17:25:00, 38:70N:144:20E, h5km, Mw3.8, Best double couple: M5.48000x1014, N1P1, s346.00000, s39.00000, 1-130.00000, NP2, s213.00000, s61.00000, 1-62.00000, IDC 20:17:25:11.8:0.8, 38:59N:144:34E, h0km, mb3.8/14, mb1 4.0/19, mb1mx3.9/4.2, mbmtpp3.9/19, ML3.9/4, MS3.1/1, MS1 3.1/1, ms1mx2.5/3.6, Error ellipse: s-maj=22.2km s-min=15.3km az=94.0, ISCJB 20:17:25:14.7:0.5, 38:73N:144:18E, 0.05, h29km, mb3.8/14, Error ellipse: s-maj=6.1km s-min=4.3km az=29.4, JMA 20:17:25:15.8:0.2, 38:73N:144:18E, h7km, M4.2, ISC 20:17:25:16.2:0.8, 38:58N:144:26E, 0.08, h29km, n38, e25/52, mb3.8/14, Off east coast of Honshu, Code, Station Name, Az, Az, Phase ID, Time, Res, h, m, s, ISC, OFUJ, Ofunato, OFUJ, Ofunato, MIYJ, Miyakonagasawa, MIYJ, Miyakonagasawa, JFT, Ichinoke, JFT, Ichinoke, JOM, Ohasama, JOM, Ohasama, JANG, Nango, JANG, Nango, JYK, Kaneyama, JYK, Kaneyama, JCH, Otama, JCH, Otama, JOT, Ohata, JOT, Ohata, JNBK, Urakawa-nobuka, JNBK, Urakawa-nobuka, JCH, Churui, JCH, Churui, JKB, Kayabe, JKB, Kayabe, NEMZ, Nemuro 2, NEMZ, Nemuro 2, JRY, Ryogami san, JRY, Ryogami san, MJAR, Matsushiro Arr, MJAR, Matsushiro Arr, MJAR, Matsushiro, MJAR, Matsushiro, MAT, Matsushiro, MAT, Matsushiro, JTKR, Abashiri-Toko, JTKR, Abashiro-Toko, JTKR, Abashiro-Toko, JODZ, Odawara 2, JODZ, Odawara 2, JHR, Hokuryu, JHR, Hokuryu, ASAJ, Asahikawa, ASAJ, Asahikawa, ASAJ, Asahikawa, ASAJ, Asahikawa, JHJ, Hachioji jima 2, JHJ, Hachioji jima 2, JHU, Hachioji jima 1, JHU, Hachioji jima 1, USRK, Utsuryok Ar, USRK, Utsuryok Ar

Table with columns: JNU, Nakatsue, 12.18 247 Pn, Pn, 17 28 06.8 -0.9, etc.

ISCJ 20 17:35:47.8.0.8, 10:51N-125:63E, h0km, mb3.8/8, mb1 4.0/8, mb1mx3.7/30, mbtmp3.8/8, Error ellipse: s-maj=46.6km s-min=17.6km az=66.0

MAN 20 17:35:49.10.41N-125:10E, h3km, mb5.0, ML3.9, MS4.1 ISCJ 20 17:35:50.3.0.9, 10:39N-102:125:11E:0.0/3, h11km, gkm, mb3.7/8, Error ellipse: s-maj=5.0km s-min=3.6km az=169.2

ISC 20 17:35:48.8.1.3, 10:40N-102:125:11E:0.0/3, h2km, gkm, n27, r1566/42, mb3.8/8, 4C-3D, Leyte

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

ISC 20 17:40:00.3.1.4, 6:03S-102:92E, h0km, mb3.8/8, mb1 4.0/8, mb1mx3.7/31, mbtmp3.8/8, Error ellipse: s-maj=65.3km s-min=16.3km az=51.0

ISCJ 20 17:40:09.6.1.6, 6:40S:0.10:102:7E:0.1, h107km, 13km, mb3.8/9, Error ellipse: s-maj=26.4km s-min=8.6km az=146.7

DJA 20 17:40:09.9.1.6, 6:5S:9.10:3E:1.1, h29km, 27km, M4.7/9, mb5.6/4, mb5.5/4, mb5.4/4, mb5.3/4, mb5.2/4, mb5.1/4, mb5.0/4, mb4.9/4, mb4.8/4, mb4.7/4, mb4.6/4, mb4.5/4, mb4.4/4, mb4.3/4, mb4.2/4, mb4.1/4, mb4.0/4, mb3.9/4, mb3.8/4, mb3.7/4, mb3.6/4, mb3.5/4, mb3.4/4, mb3.3/4, mb3.2/4, mb3.1/4, mb3.0/4, mb2.9/4, mb2.8/4, mb2.7/4, mb2.6/4, mb2.5/4, mb2.4/4, mb2.3/4, mb2.2/4, mb2.1/4, mb2.0/4, mb1.9/4, mb1.8/4, mb1.7/4, mb1.6/4, mb1.5/4, mb1.4/4, mb1.3/4, mb1.2/4, mb1.1/4, mb1.0/4, mb0.9/4, mb0.8/4, mb0.7/4, mb0.6/4, mb0.5/4, mb0.4/4, mb0.3/4, mb0.2/4, mb0.1/4, mb0.0/4

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

ISCJ 20 17:45:45.8.0.4, 22:88S:0:03:66:90W:0.0/4, h209km, 2km, mb4.2/11, Error ellipse: s-maj=6.3km s-min=5.1km az=8.2

NEIC 20 17:45:46.0.0.8, 22:94S:66:77W, h203km, 9km, mb4.6/4, Error ellipse: s-maj=12.1km s-min=10.6km az=82.0

SCB 20 17:45:46.2.0.5, 22:57S:66:99W, h198km, M3.9/2, Error ellipse: s-maj=12.1km s-min=5.1km az=36.0

DC 20 17:45:46.4.1.1, 22:91S:66:73W, h200km, 11km, mb3.9/9, mb1 3.9/16, mb1mx3.8/25, mbtmp4.4/16, Error ellipse: s-maj=13.7km s-min=12.4km az=30.0

GUC 20 17:45:48.4.0.9, 22:74S:67:70W, h268km, 11km, ML5.1 ISC 20 17:45:46.2.0.7, 22:39S:0:05:66:85W:0.0/5, h199km, gkm, n172, r1932/194, mb4.3/11, 14C, Jujuy Province

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

Table with columns: ABTX, Abilene, Hawle, 63.47 329 P, P, 17 55 55.6 +0.5, etc.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ARCES ARCES Array B, GERES GERES Array B, URVA University, etc.

KRSC 20 18:10:09.7±10.5, 54.93N, 165.49E, h30km, 10km, ML3.6, Komandorsky Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BKI Bering, KBTR Krutoberegovo, SMKR Semkarok, etc.

IDC 20 18:17:06.5±1.7, 3.22S, 143.02E, h0km, mb3.4/3, mb1.3/7.4, mb1mx3.1/43, mbtmp3.4/4, ML3.5/1, Error ellipse: s-maj=115.6km s-min=26.7km az=120.0, Near north coast of New Guinea

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

MEX 20 18:24:13.3±0.3, 16.30N, 94.14W, h109km, 5km, MD3.7, Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PCIG Matias Romero, CMIG Matias Romero, TGIG TGIG, etc.

ISCJB 20 18:25:15.3±1.5, 37.27N, 0.05±141.90E, 0.08, h26km, 7km, mb3.2/2, Error ellipse: s-maj=11.3km s-min=7.3km az=18.6

IDC 20 18:25:16.4±3.1, 36.54N, 141.91E, h0km, mb3.3/2, mb1.3/4.3, mb1mx3.1/43, mbtmp3.1/3, ML2.7/1, Error ellipse: s-maj=75.4km s-min=34.4km az=55.0

JMA 20 18:25:16.3±2.0, 37.28N, 141.86E, h36km, 3km, M3.6, ISC 20 18:25:12.8±2.0, 37.28N, 0.05±141.95E, 0.08, h10km, 10km, n14, c094/22, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like JFK Iwakuchi, ONAJ Kawamizuishiy, JMM Marumori, etc.

IDC 20 18:36:22.1±9.72, 0.2369N, 93.57W, h0km, Error ellipse: s-maj=479.0km s-min=178.2km az=19.0, Gulf of Mexico coast of North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like H0CA LAC DU BONNET, I51GB BERMUDA INFRA26.84, I56US NEWPORT INFRA30.82, etc.

WEL 20 18:40:57.3±0.5, 37.33S, 179.86E, h33km, ML3.5/6, Error ellipse: s-maj=4.4km s-min=4.3km az=0.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WMGZ Waiomatatini S, MXZ Matakaoa Point, PUZ Puketiti, etc.

Table with columns: PKGZ, HAZ, HAZ, HAZ, CNGZ, RUGZ, MWZ, MWZ, MWZ, URZ, MHGZ, KHZ, MKZ. Includes station names like Te Kaha, Carnagh Statio, Raukumara Rang, Matawai, Urewera, Mahia Peninsul, Kokohu, McNeill Hill.

WEL 20 18:46:04.5±0.4, 37.38S, 179.85E, h33km, ML3.9/15, 2C-2D, Error ellipse: s-maj=4.3km s-min=4.0km az=90.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WMGZ Waiomatatini S, WMGZ, MXZ Matakaoa Point, MXZ, PUZ Puketiti, PKGZ Pakihiroa, etc.

ISCJB 20 19:05:06.2±0.7, 0.99S, 0.08±126.85E, 0.05, h34km, mb3.3/2, MS2.5/1, Error ellipse: s-maj=11.7km s-min=6.3km az=158.4

DJA 20 19:05:06.3±1.6, 1.0±12.7E, 1.0±h25km, 26km, M3.8/5, mb4.7/1, mb4.5/1, MLv3.4/5, Mw(Mb)3.9/1

IDC 20 19:05:06.9±1.7, 1.45S, 127.24E, h0km, mb3.2/2, mb1.3/4.3, mb1mx3.2/28, mbtmp3.2/3, ML3.2/1, MS2.6/1, Ms1.2/6.1, ms1mx2.4/11, Error ellipse: s-maj=154.7km s-min=25.0km az=67.0

ISC 20 19:05:06.9±1.1, 1.04S, 0.08±126.90E, 0.06, h34km, n9, c079/10, Southern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LBMI Labuha, LBMI, SANI Sanana, SANI, NMAI Namia, LUWI Luwuk, APSI Ampana, WRA Warramunga Arr, ASAR Alice Springs, etc.

ISCJB 20 19:05:14.3±1.3, 9.5N, 0.2±125.4E, 0.4, h10km, mb3.2/5, MS3.5/1, Error ellipse: s-maj=59.2km s-min=17.7km az=152.7

IDC 20 19:05:14.6±1.4, 9.61N, 125.51E, h0km, mb3.4/5, mb1.3/6.5, mb1mx3.4/29, mbtmp3.4/5, MS3.5/1, Ms1.3/5.1, ms1mx2.6/22, Error ellipse: s-maj=65.5km s-min=20.9km az=64.0

ISC 20 19:05:16.1±1.4, 9.7N, 0.1±125.6E, 0.3, h10km, n6, c1933/6, mb3.4/5, 1D, Mindanao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like GSPH General Santos, CMAR Chiang Mai Arr, WRA Warramunga Arr, ASAR Alice Springs, SOMR Songoing Array, etc.

MAN 20 19:05:33, 15.90N, 119.83E, h29km, mb3.3, ML2.0, MS1.4, Luzon

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SCZP Santa Cruz, SCZP Bolinao, BOLP, ABRA Dolores, ABRA Cauayan, etc.

JMA 20 19:14:32.0±0.1, 23.63N, 121.60E, h35km, 3km, M4.0, TAP 20 19:14:33.4, 23.67N, 121.57E, h31km, ML4.3, B, ISC 20 19:14:32.8±0.8, 23.66N, 0.02±121.62E, 0.02, h32km, 5km, n93, c107/134, mb3.6/9, 18C-12D, Taiwan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TEGC Jichi Village, ESF Shilin, ESH Shoufeng Towns, EHY Hungye, HWA baz=242, TWD Chiawan, etc.

20d 20h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include TWM1 Shoushan, SGLT Jiouru, SCLT Jiali, SCLT Jiali, NWF Wu-fen Shan, TAI1 Yung-k'ang, JYNG Yonagunjimaku, TWS1 Kuangyinshin, TWS1 Anshuo, EAST Tawu, TAW1 Yonaguni jima, YOJ Yonaguni jima, YOJ Yonaguni jima, SCZT Fangliu, SCZT Chenhua, LAY Lan-yu, HEN Hengchun, WDG1 Tungji, WDG1 Hengchun, PNG Penghu, PNG Hateruma jima, HATJ Hatj, IRIF Iriomote-Funau, IRIF Kuro-shima, JKRS Kuro-shima, JIJ Ishigaki jima, JIJ Ishigaki jima, JISG Ishigakijimahi, JIJ Tarama, JIJ Kinmen, OZH Quanzhou, OZH Quanzhou, OZH Quanzhou, JIRB Irukajima, JIRB Irukajima, JIKM Mirakajima, JIMJ Mirakajima 2, KRSR Korea Array, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, SONM Songino Array, MKAR Makanchi Array, ZALV Zero-sum Beam, H11N1 WAKE ISLAND Hy, H11N2 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, H11S3 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, AAK Ala-Archa, WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, ILAR Eielson Array, GERES GERES Array B.

WEL 20 19:36:26.3±0.7, 36.025±177.91E, h33km, ML3.5/7, Error ellipse: s-maj=7.8km s-min=5.0km az=90.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MXZ Matakaoa Point, HAZ Te Kaha, HAZ Te Kaha, HAZ Te Kaha, WMGZ Waomatatini S, WMGZ Waomatatini S, WMGZ Pakihiroa, PKGZ Pakihiroa, PKGZ Pakihiroa, RUGZ Raukumara Rang, PUZ Puketiti, PUZ Puketiti, URZ Urewera, URZ Urewera, MWZ Matawai, KNZ Kokohu.

KRNET 20 19:38:51.3±0.1, 38.94N±70.03E, mb3.9 SOME 20 19:38:53.8, 39.03N±70.67E, h5km IDC 20 19:38:53.1±0.8, 38.78N±70.54E, h0km, mb3.7/14, mb1.4/0.22, mb1mx3.8/44, mbmp3.8/22, ML3.4/8, MS3.1/1, Ms1.3/0.1, ms1mx2.2/39, Error ellipse: s-maj=15.4km s-min=9.7km az=150.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include BTK Batken, BTK Batken, SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include SFK luzhnan, IUG luzhnan, IUG Chimkent, CHM Chimkent, CHM Manas, MNAS Manas, MNAS Manas, MNAS Manas, AML Almayashu, AML Almayashu, AML Almayashu, DZA Taraz, DZA Taraz, KK31 Karatay Array, KK31 Karatay Array, KK31 Karatay Array, MRKS Merke, MRKS Merke, EKS2 Erkin-Say, EKS2 Erkin-Say, EKS2 Erkin-Say, UCH Uchtor, UCH Uchtor, UCH Uchtor, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, FRU Bishkek, FRU Bishkek, FRU Bishkek, FRU Karagaybulak, KBK Karagaybulak, KBK Karagaybulak, CHMS Chumysh, CHMS Chumysh, CEP Cherat, CEP Cherat, ULHL Ulahol, ULHL Ulahol, TKM2 Tokmak 2, TKM2 Tokmak 2, CHCP Chirah Chowk, KST Kasteek, KST Kasteek, DGS Degeres, DGS Degeres, THW Thammie Wali, THW Thammie Wali, TNS5 Tian-Shan, TNS5 Tian-Shan, KNDC Almaty, KNDC Almaty, MDOK Medeo, MDOK Medeo, MDOK Medeo, ARXS Arhary, ARXS Arhary, PDGK Podgomoye, PDGK Podgomoye, PDGK Podgomoye, GEYT Alikeb, GEYT Alikeb, GEYT Alikeb, MK31 Makanchi Array, MK31 Makanchi Array, MK31 Makanchi Array, MKAR Makanchi Array, AB31 Akbulak array, AB31 Akbulak array, AB31 Akbulak array, AB31 Akbulak array, KURBB Kurchatov Arra, KURBB Kurchatov Arra, KURBB Kurchatov Arra, KURK Kurchatov, BVA0 Borovoye Array, BVA0 Borovoye Array, BVA0 Borovoye Array, BVA0 Borovoye Array, BRVK Borovoye, AKTO Aktyubinsk.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include AKTO Aktubinsk, AKTO Aktubinsk, PYUN Aktubinsk, KOLN Koldanda, KOLN Koldanda, GKN Gorkha, GKN Gorkha, DGZ Jazzator, DGZ Jazzator, KKN Kakan, KKN Kakan, DMN Daman, DMN Daman, PKIN Phulchoki, PKIN Phulchoki, PKI Pulchoki, PKI Pulchoki, GUN Gumba, GUN Gumba, JIRN Jiri, JIRN Jiri, ZALV Zalesovo Beam, ZALV Zalesovo Beam, RAMN Novosibirsk, RAMN Novosibirsk, NVS Novosibirsk, NVS Novosibirsk, TAPN Tapplejun, TAPN Tapplejun, ODAN Odare, ODAN Odare, ARU Arti, ARU Arti, ARU Arti, NCK Nalchik, NCK Nalchik, NCK Nalchik, KBZ Khabaz, KBZ Khabaz, KBZ Khabaz, NEY Neytrino, NEY Neytrino, NEY Neytrino, KVAR Kislovodsk Arr, KVAR Kislovodsk Arr, KIV Kislovodsk, KIV Kislovodsk, ANN Anapa, ANN Anapa, ANN Anapa, ULN Ulaanabatar, ULN Ulaanabatar, OBN Obninsk, OBN Obninsk, ASF Jabal al Asfar, ASF Jabal al Asfar, ASF Keskin Array B, AKASO Malin Array B, CMAR Chiang Mai Arr, FINES FINESS Array B, ARCES ARCES Array B, GERES GERES Array B, NOA NORRAR Array B, TIXI Tikisi, TIXI Tikisi, ESDC Soroca Array, ESDC Soroca Array, BILL Bilibino, BILL Bilibino, TORO Torodi Arr, TORO Torodi Arr, YKA Warramunga Arr, YKA Warramunga Arr, PLCA Paso Flores, PLCA Paso Flores.

MAN 20 19:54:42.674N±127.07E, h5km, mb4.5, ML3.4, MS3.3, 1D, Philippine Islands Array

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MATI Mati, MATI Mati, BUKP Musuan, BUKP Musuan, BUKP Musuan, CTBH Cotabato-PC H.

ISCJB 20 17:17.4±1.1, 19.50N±105.155°W±0.07, h8km±9km, mb3.7/3, Error ellipse: s-maj=11.4km s-min=6.6km az=150.5

NEIC 20 20:17.2±1.0, 0.0, 19.55N±155.62W, h12km, MD3.9(HVO), After [I] at Kealakekua; [II] at Captain Cook, Hakalau, Houliua, Honauanu, Kailua Kona, Mountain View, Pa'uailo, Papa'aloa, Papa'kou, Volcano and Waimea; [II] at Hilo, Honokaa and Pahoa.

IDC 20 20:17.2±1.0, 18.0, 20.08N±155.41W, h0km, mb3.6/3, mb1.4/1.3, mb1mx3.6/34, mbmp3.6/3, Error ellipse: s-maj=37.0km s-min=6.1km az=36.0

ISC 20 17:19.0±1.5, 19.52N±105.155°W±0.07, h9km±10km, n14, ±197/18, mb3.7/3, Hawaiian Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MLOA Mauna Loa Obse, POHA Pohakuloa, POHA Pohakuloa, HPO Honuapo, UWE Uwekahuna, UWE Uwekahuna, HLP Hilina Pali, HLP Hilina Pali, HPAH Hawaii Prepara, HPAH Hawaii Prepara, HLEK Halekaleka, HON Honolulu, KIP Kipapa, KIP Kipapa, OPANA Opana, KEKH Kekeha, PDAR Pinedale Array, ILAR Eielson Array, TXAR Lajitas Array.

ISK 20 20:18:09.7, 38.71N±43.56E, h5km, MD3.3 CSEM 20 20:18:10.6±0.3, 38.72N±43.64E, h2km, MD3.3, Error ellipse: s-maj=7.0km s-min=4.6km az=91.0 DDA 20 20:18:10.6, 38.70N±43.57E, h4km, MD3.1 ISC 20 20:18:11.0±1.0, 38.72N±102.435E±0.03, h8km±8km, n55, ±158/76, Turkey

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like VANB, TVAN, VMUR, ERV, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like TXAR, MEIG, PLIG, ARIG, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SET, ATAF, AKET, DFRA, etc.

ISCJB 20:22:28.0.0.8.2.0S:0.1:68.2E:0.1:h15km,mb3.9/13, MS3.7/18, Error ellipse: s-maj=20.3km s-min=16.7km az=147.4

ICD 20:22:28.0.0.9.2.12S:68.12E:h0km,mb3.9/11, mb1.3.9/11,mb1mx3.6/54,mbtmp3.9/11,MS3.7/18, Ms1.3.7/18,ms1mx3.4/41, Error ellipse: s-maj=24.2km s-min=22.5km az=151.0

NEIC 20:22:29.8.0.7.2.06S:68.14E:h10km,mb4.3/2, Error ellipse: s-maj=18.9km s-min=14.7km az=149.0

ISC 20:22:30.6.0.9.2.15S:68.2E:0.2:h18km,n31, r0.93/15,mb4.0/13,MS3.7/18, Carlsberg Ridge

ICD 20:20:36.5.2.5.5.53N:127.24E:h52km,mb3.8/18, mb1.3.9/18,mb1mx3.7/47,mbtmp4.1/18,MS3.4/7, Ms1.3.4/7,ms1mx3.0/37, Error ellipse: s-maj=29.2km s-min=12.2km az=71.0

MAN 20:36:21.5.72N:117.10E:h4km,mb5.2,ML4.1,MS4.3 ISC 20:36:21.5.72N:117.10E:h4km,mb5.2,ML4.1,MS4.3

ISC 20:36:21.5.72N:117.10E:h4km,mb5.2,ML4.1,MS4.3

ISC 20:36:21.5.72N:117.10E:h4km,mb5.2,ML4.1,MS4.3

ISC 20:36:21.5.72N:117.10E:h4km,mb5.2,ML4.1,MS4.3

ISC 20:36:21.5.72N:117.10E:h4km,mb5.2,ML4.1,MS4.3

ISC 20:36:21.5.72N:117.10E:h4km,mb5.2,ML4.1,MS4.3

ISC 20:36:21.5.72N:117.10E:h4km,mb5.2,ML4.1,MS4.3

ISC 20:36:21.5.72N:117.10E:h4km,mb5.2,ML4.1,MS4.3

ISC 20:36:21.5.72N:117.10E:h4km,mb5.2,ML4.1,MS4.3

ISC 20:36:21.5.72N:117.10E:h4km,mb5.2,ML4.1,MS4.3

ISC 20:36:21.5.72N:117.10E:h4km,mb5.2,ML4.1,MS4.3

ISC 20:36:21.5.72N:117.10E:h4km,mb5.2,ML4.1,MS4.3

ISC 20:36:21.5.72N:117.10E:h4km,mb5.2,ML4.1,MS4.3

ISC 20:36:21.5.72N:117.10E:h4km,mb5.2,ML4.1,MS4.3

ISC 20:36:21.5.72N:117.10E:h4km,mb5.2,ML4.1,MS4.3

ISC 20:36:21.5.72N:117.10E:h4km,mb5.2,ML4.1,MS4.3

ISC 20:36:21.5.72N:117.10E:h4km,mb5.2,ML4.1,MS4.3

ISC 20:36:21.5.72N:117.10E:h4km,mb5.2,ML4.1,MS4.3

ISC 20:36:21.5.72N:117.10E:h4km,mb5.2,ML4.1,MS4.3

ISC 20:36:21.5.72N:117.10E:h4km,mb5.2,ML4.1,MS4.3

ISC 20:36:21.5.72N:117.10E:h4km,mb5.2,ML4.1,MS4.3

ISC 20:36:21.5.72N:117.10E:h4km,mb5.2,ML4.1,MS4.3

ISC 20:36:21.5.72N:117.10E:h4km,mb5.2,ML4.1,MS4.3

ICD 20:20:42:10.4.6.3.5.57S:151.09E,h56km,mb3.3/3, mb1.3.7/4,mb1mx3.3/36,mbtmp3.7/4,ML2.1/1,MS2.7/1, Ms1.2.9/1,ms1mx2.5/10, Error ellipse: s-maj=111.0km s-min=35.4km az=127.0, New Britain region

ICD 20:20:42:10.4.6.3.5.57S:151.09E,h56km,mb3.3/3, mb1.3.7/4,mb1mx3.3/36,mbtmp3.7/4,ML2.1/1,MS2.7/1, Ms1.2.9/1,ms1mx2.5/10, Error ellipse: s-maj=111.0km s-min=35.4km az=127.0, New Britain region

ICD 20:20:42:10.4.6.3.5.57S:151.09E,h56km,mb3.3/3, mb1.3.7/4,mb1mx3.3/36,mbtmp3.7/4,ML2.1/1,MS2.7/1, Ms1.2.9/1,ms1mx2.5/10, Error ellipse: s-maj=111.0km s-min=35.4km az=127.0, New Britain region

ICD 20:20:42:10.4.6.3.5.57S:151.09E,h56km,mb3.3/3, mb1.3.7/4,mb1mx3.3/36,mbtmp3.7/4,ML2.1/1,MS2.7/1, Ms1.2.9/1,ms1mx2.5/10, Error ellipse: s-maj=111.0km s-min=35.4km az=127.0, New Britain region

ICD 20:20:42:10.4.6.3.5.57S:151.09E,h56km,mb3.3/3, mb1.3.7/4,mb1mx3.3/36,mbtmp3.7/4,ML2.1/1,MS2.7/1, Ms1.2.9/1,ms1mx2.5/10, Error ellipse: s-maj=111.0km s-min=35.4km az=127.0, New Britain region

ICD 20:20:42:10.4.6.3.5.57S:151.09E,h56km,mb3.3/3, mb1.3.7/4,mb1mx3.3/36,mbtmp3.7/4,ML2.1/1,MS2.7/1, Ms1.2.9/1,ms1mx2.5/10, Error ellipse: s-maj=111.0km s-min=35.4km az=127.0, New Britain region

ICD 20:20:42:10.4.6.3.5.57S:151.09E,h56km,mb3.3/3, mb1.3.7/4,mb1mx3.3/36,mbtmp3.7/4,ML2.1/1,MS2.7/1, Ms1.2.9/1,ms1mx2.5/10, Error ellipse: s-maj=111.0km s-min=35.4km az=127.0, New Britain region

ICD 20:20:42:10.4.6.3.5.57S:151.09E,h56km,mb3.3/3, mb1.3.7/4,mb1mx3.3/36,mbtmp3.7/4,ML2.1/1,MS2.7/1, Ms1.2.9/1,ms1mx2.5/10, Error ellipse: s-maj=111.0km s-min=35.4km az=127.0, New Britain region

ICD 20:20:42:10.4.6.3.5.57S:151.09E,h56km,mb3.3/3, mb1.3.7/4,mb1mx3.3/36,mbtmp3.7/4,ML2.1/1,MS2.7/1, Ms1.2.9/1,ms1mx2.5/10, Error ellipse: s-maj=111.0km s-min=35.4km az=127.0, New Britain region

ICD 20:20:42:10.4.6.3.5.57S:151.09E,h56km,mb3.3/3, mb1.3.7/4,mb1mx3.3/36,mbtmp3.7/4,ML2.1/1,MS2.7/1, Ms1.2.9/1,ms1mx2.5/10, Error ellipse: s-maj=111.0km s-min=35.4km az=127.0, New Britain region

ICD 20:20:42:10.4.6.3.5.57S:151.09E,h56km,mb3.3/3, mb1.3.7/4,mb1mx3.3/36,mbtmp3.7/4,ML2.1/1,MS2.7/1, Ms1.2.9/1,ms1mx2.5/10, Error ellipse: s-maj=111.0km s-min=35.4km az=127.0, New Britain region

ICD 20:20:42:10.4.6.3.5.57S:151.09E,h56km,mb3.3/3, mb1.3.7/4,mb1mx3.3/36,mbtmp3.7/4,ML2.1/1,MS2.7/1, Ms1.2.9/1,ms1mx2.5/10, Error ellipse: s-maj=111.0km s-min=35.4km az=127.0, New Britain region

ICD 20:20:42:10.4.6.3.5.57S:151.09E,h56km,mb3.3/3, mb1.3.7/4,mb1mx3.3/36,mbtmp3.7/4,ML2.1/1,MS2.7/1, Ms1.2.9/1,ms1mx2.5/10, Error ellipse: s-maj=111.0km s-min=35.4km az=127.0, New Britain region

ICD 20:20:42:10.4.6.3.5.57S:151.09E,h56km,mb3.3/3, mb1.3.7/4,mb1mx3.3/36,mbtmp3.7/4,ML2.1/1,MS2.7/1, Ms1.2.9/1,ms1mx2.5/10, Error ellipse: s-maj=111.0km s-min=35.4km az=127.0, New Britain region

ICD 20:20:42:10.4.6.3.5.57S:151.09E,h56km,mb3.3/3, mb1.3.7/4,mb1mx3.3/36,mbtmp3.7/4,ML2.1/1,MS2.7/1, Ms1.2.9/1,ms1mx2.5/10, Error ellipse: s-maj=111.0km s-min=35.4km az=127.0, New Britain region

ICD 20:20:42:10.4.6.3.5.57S:151.09E,h56km,mb3.3/3, mb1.3.7/4,mb1mx3.3/36,mbtmp3.7/4,ML2.1/1,MS2.7/1, Ms1.2.9/1,ms1mx2.5/10, Error ellipse: s-maj=111.0km s-min=35.4km az=127.0, New Britain region

ICD 20:20:42:10.4.6.3.5.57S:151.09E,h56km,mb3.3/3, mb1.3.7/4,mb1mx3.3/36,mbtmp3.7/4,ML2.1/1,MS2.7/1, Ms1.2.9/1,ms1mx2.5/10, Error ellipse: s-maj=111.0km s-min=35.4km az=127.0, New Britain region

ICD 20:20:42:10.4.6.3.5.57S:151.09E,h56km,mb3.3/3, mb1.3.7/4,mb1mx3.3/36,mbtmp3.7/4,ML2.1/1,MS2.7/1, Ms1.2.9/1,ms1mx2.5/10, Error ellipse: s-maj=111.0km s-min=35.4km az=127.0, New Britain region

ICD 20:20:42:10.4.6.3.5.57S:151.09E,h56km,mb3.3/3, mb1.3.7/4,mb1mx3.3/36,mbtmp3.7/4,ML2.1/1,MS2.7/1, Ms1.2.9/1,ms1mx2.5/10, Error ellipse: s-maj=111.0km s-min=35.4km az=127.0, New Britain region

ICD 20:20:42:10.4.6.3.5.57S:151.09E,h56km,mb3.3/3, mb1.3.7/4,mb1mx3.3/36,mbtmp3.7/4,ML2.1/1,MS2.7/1, Ms1.2.9/1,ms1mx2.5/10, Error ellipse: s-maj=111.0km s-min=35.4km az=127.0, New Britain region

ICD 20:20:42:10.4.6.3.5.57S:151.09E,h56km,mb3.3/3, mb1.3.7/4,mb1mx3.3/36,mbtmp3.7/4,ML2.1/1,MS2.7/1, Ms1.2.9/1,ms1mx2.5/10, Error ellipse: s-maj=111.0km s-min=35.4km az=127.0, New Britain region

ICD 20:20:42:10.4.6.3.5.57S:151.09E,h56km,mb3.3/3, mb1.3.7/4,mb1mx3.3/36,mbtmp3.7/4,ML2.1/1,MS2.7/1, Ms1.2.9/1,ms1mx2.5/10, Error ellipse: s-maj=111.0km s-min=35.4km az=127.0, New Britain region

ICD 20:20:42:10.4.6.3.5.57S:151.09E,h56km,mb3.3/3, mb1.3.7/4,mb1mx3.3/36,mbtmp3.7/4,ML2.1/1,MS2.7/1, Ms1.2.9/1,ms1mx2.5/10, Error ellipse: s-maj=111.0km s-min=35.4km az=127.0, New Britain region

ICD 20:20:42:10.4.6.3.5.57S:151.09E,h56km,mb3.3/3, mb1.3.7/4,mb1mx3.3/36,mbtmp3.7/4,ML2.1/1,MS2.7/1, Ms1.2.9/1,ms1mx2.5/10, Error ellipse: s-maj=111.0km s-min=35.4km az=127.0, New Britain region





Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual, and various flags. Includes stations like Labuha, Sanana, Namlea, Ampang, etc.

ISK 20 21:16:26.8, 38.71N, 43.46E, h0km, MD2.8, Error ellipse: s-maj=7.7km s-min=4.1km az=22.1

CSEM 20 21:16:27.4, 0.3, 38.71N, 43.51E, h10km, MD2.8, Error ellipse: s-maj=7.4km s-min=4.3km az=107.0

DDA 20 21:16:27.1, 1.1, 38.71N, 43.64E, h18km, 3km, n30, c#63/43, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual, and various flags. Includes stations like Van, Muradiye, Ercevan, etc.

KRNET 20 21:22:24.0, 0.1, 38.84N, 70.19E, mb4.1, Error ellipse: s-maj=4.0, 1km s-min=27.5km az=29.0

ISC 20 21:22:23.3, 2.2, 38.8N, 70.0E, 0.1, h10km, n8, c#308/12, 14C-2D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual, and various flags. Includes stations like Batken, Sufi-Kurgan, etc.

IDC 20 21:25:35.8, 2.3, 5.62N, 127.49E, h48km, 21km, mb4.1/20, Error ellipse: s-maj=8.1km s-min=4.6km az=69.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual, and various flags. Includes stations like Mati, Davao City, General Santos, etc.

ISC 20 21:16:26.8, 38.71N, 43.46E, h0km, MD2.8, Error ellipse: s-maj=7.7km s-min=4.1km az=22.1

CSEM 20 21:16:27.4, 0.3, 38.71N, 43.51E, h10km, MD2.8, Error ellipse: s-maj=7.4km s-min=4.3km az=107.0

DDA 20 21:16:27.1, 1.1, 38.71N, 43.64E, h18km, 3km, n30, c#63/43, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual, and various flags. Includes stations like Matig, Chengdu, Beijing, etc.

ISC 20 21:22:23.3, 2.2, 38.8N, 70.0E, 0.1, h10km, n8, c#308/12, 14C-2D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual, and various flags. Includes stations like Batken, Sufi-Kurgan, etc.

IDC 20 21:25:35.8, 2.3, 5.62N, 127.49E, h48km, 21km, mb4.1/20, Error ellipse: s-maj=8.1km s-min=4.6km az=69.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual, and various flags. Includes stations like Gaotai, Odare, Kufdur, etc.

ISC 20 21:16:26.8, 38.71N, 43.46E, h0km, MD2.8, Error ellipse: s-maj=7.7km s-min=4.1km az=22.1

CSEM 20 21:16:27.4, 0.3, 38.71N, 43.51E, h10km, MD2.8, Error ellipse: s-maj=7.4km s-min=4.3km az=107.0

DDA 20 21:16:27.1, 1.1, 38.71N, 43.64E, h18km, 3km, n30, c#63/43, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual, and various flags. Includes stations like Kufdur, Ramite, Gurn, etc.

ISC 20 21:22:23.3, 2.2, 38.8N, 70.0E, 0.1, h10km, n8, c#308/12, 14C-2D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual, and various flags. Includes stations like Batken, Sufi-Kurgan, etc.

IDC 20 21:25:35.8, 2.3, 5.62N, 127.49E, h48km, 21km, mb4.1/20, Error ellipse: s-maj=8.1km s-min=4.6km az=69.0

Table with columns: KECS, TOR, TOA1, Kecevo, Torodi Ar. Bea, Torodi Ar. Sit, 96.87 320 eP, 122.88 289 PKP, 122.88 289 ePKPdf, P, PKPdf, 21 39 06.3 +4.6, 21 44 27.4 +0.1, comp=Z,0.7nm,0.9s,baz=93,slo=1.2,SNR=5.0

ISCJB 20 21:31.21.7.0.6.38.59N.0.03:43.30E.0.05,h10km,6km, Error ellipse: s-maj=6.5km s-min=5.2km az=10.2 CSEM 20 21:31.21.4.0.3.38.60N.43.30E,h5km,MD2.7, Error ellipse: s-maj=6.6km s-min=5.6km az=79.0 DDA 20 21:31.21.0.38.61N.43.31E,h7km,MD2.6 ISK 20 21:31.21.5.38.60N.43.37E,h5km,MD2.7 ISC 20 21:31.21.7.0.9.38.62N.0.03:43.28E.0.03,h6km,6km,n24,r1920/37,Turkey

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h m s ISC. Includes stations like VANB Van, ERVC ERICIS-Van, ADCV BITLIS\_Adilcev, etc.

CSEM 20 21:39.12.0.38.73N.21.22E,h20km,ML1.1/5 ATH 20 21:39.12.0.38.73N.21.22E,h20km,3km,ML1.1/5, Error ellipse: s-maj=3.4km s-min=1.2km az=227.0, Greece

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h m s ISC. Includes stations like PDO Prodromos, PVO Paravola, DSL Palaion Diasel, etc.

CASC 20 21:45.02.2.2.3.16.08N.87.15W,h35km,ML4.1,North of Honduras

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h m s ISC. Includes stations like TGUH Tegucigalpa,Un, PACA Pacayal, VSM San Miguel, etc.

ISK 20 21:47.08.8.38.61N.43.10E,h6km,MD2.7 CSEM 20 21:47.10.0.4.38.62N.43.12E,h5km,MD2.7, Error ellipse: s-maj=8.5km s-min=4.9km az=28.0 DDA 20 21:47.10.2.38.62N.43.16E,h7km,MI2.7 ISCJB 20 21:47.11.1.0.6.38.66N.0.03:43.16E.0.04,h7km,9km, Error ellipse: s-maj=5.4km s-min=4.7km az=41.4 ISC 20 21:47.10.3.1.0.38.64N.0.03:43.13E.0.03,h10km,10km,n19,r060/34,Turkey

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h m s ISC. Includes stations like VANB Van, ERVC ERICIS-Van, ADCV BITLIS\_Adilcev, etc.

Table with columns: TVAN Van, GEVA Gevas, BITLIS\_Adilcev, etc. 0.24 116 P Pg, 0.33 190 I S, 0.36 298 S S, 0.36 298 P S, 0.49 44 I P, 0.49 44 S P, 0.80 50 ePG, 0.80 50 I S, 0.80 50 P S, 0.80 342 I S, 0.80 342 P S, 0.94 354 ePG, 0.94 354 S P, 1.04 307 I P, 1.32 338 I P, 1.32 338 P P

TRN 20 21:51.08.5.11.31N.62.05W,h124km,MD3.5,1C, Windward Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h m s ISC. Includes stations like GRGR Grenville, TRN Trinidad (W), TBH Brigand Hill, etc.

DDA 20 21:51.19.0.35.45N.27.19E,h11km,MD3.2 ATH 20 21:51.24.7.35.61N.27.33E,h29km,1km,ML2.6/2, Error ellipse: s-maj=5.6km s-min=2.2km az=139.0 ISCJB 20 21:51.25.1.0.7.35.67N.0.06:27.41E.0.06,h2km,5km, Error ellipse: s-maj=11.7km s-min=4.1km az=144.8 CSEM 20 21:51.25.0.3.35.58N.27.40E,h20km,ML2.6, Error ellipse: s-maj=9.9km s-min=4.1km az=145.0 ISK 20 21:51.25.2.35.67N.27.39E,h17km,MD3.1 ISC 20 21:51.24.3.1.2.35.55N.0.05:27.46E.0.03,h18km,4km,n42,r1509/66,Decadence Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h m s ISC. Includes stations like KARP Karpathos, ARG Arkangelos, ARG Arkangelos, etc.

ISCJB 20 22:04.21.0.0.3.59.39N.0.05:30.26W.0.07,h14km, mb4.2/43,MS3.5/27, Error ellipse: s-maj=7.6km

IDC 20 22:04.20.4.0.7.59.29N.30.27W,h0km,mb4.0/21, mb1.4/223,mb1mx3.9/69,mbtmp4.0/23,ML3.4/2,MS3.6/30, Ms1.3/630,ms1mx3.5/42, Error ellipse: s-maj=18.8km s-min=13.8km az=19.0

CSEM 20 22:04.21.5.0.2.59.29N.30.18W,h10km,mb4.6/14 NEIC 20 22:04.21.7.0.3.59.24N.30.22W,h10km,mb4.5/18, Error ellipse: s-maj=10.2km s-min=5.8km az=0.0

ISC 20 22:04.23.1.0.5.59.42N.0.07:30.27W.0.06,h14km,n158,r170/147,mb4.1/48,MS3.5/28,10C-4D,Reykjanes Ridge

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h m s ISC. Includes stations like BORG Borgarnes, SFJD Skafellmúir Ar, SUMG Summit, etc.

ISCJB 20 22:01.34.6.0.3.5.54N.0.03:127.57E.0.05,h53km, mb4.2/20,MS2.8/0, Error ellipse: s-maj=6.9km s-min=4.3km az=163.3

NEIC 20 22:01.36.2.1.1.5.64N.127.67E,h51km,10km,mb4.3/10, Error ellipse: s-maj=13.6km s-min=5.1km az=63.0

IDC 20 22:01.36.7.2.6.5.58N.127.51E,h52km,2km,mb3.8/12, mb1.3/913,ms1mx3.6/53,mbtmp4.0/12,MS2.9/3, Ms1.2/913,ms1mx2.6/24, Error ellipse: s-maj=47.8km s-min=12.7km az=73.0

MAN 20 22:01.40.5.96N.127.37E,h119km,mb5.0,ML4.0,MS4.1 DJA 20 22:01.49.0.0.6.5.15N.5.12E,h143km,6km,ML4.6/4, mb4.3/4,MLV4.8/1 ISC 20 22:01.36.5.0.5.59N.0.05:127.54E.0.08,h53km,n53,

1169/60,mb4.2/20,2D,Philippine Islands region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h m s ISC. Includes stations like MATI Mati, DAV Davao City (W), GSPH General Santos, etc.

WR1 Warramunga Arr 26.24 165 eP, 6.9nm,0.8s

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h m s ISC. Includes stations like WRA Warramunga Arr, WBE Warramunga Arr, AS31 Alice Springs, etc.

AS01 Alice Springs 29.74 168 eP, 3.3nm,0.8s

BB00 Batsulebo 39.04 169 eP, 7.7nm,1.8s

STKA Stephens Creek 39.59 161 P, 3.8nm,0.8s

ULN Ulanbatar 45.63 341 ePn, 3.3nm,0.8s

SONA0 Songoing Arr 45.82 340 eP, 0.4nm,0.9s,baz=163,slo=5.6,SNR=9.5

SONM Songoing Array 45.82 340 P, 0.4nm,0.9s,baz=163,slo=5.6,SNR=9.5

SONA1 Songoing Array 45.83 340 eP, 0.4nm,0.9s,baz=163,slo=5.6,SNR=9.5

MK01 Makanchi Array 56.49 324 eP, 6.3nm,0.9s

MK32 Makanchi Array 56.51 324 eP, 1.9nm,0.7s,baz=114,slo=7.3,SNR=19

MKAR Makanchi Array 56.51 324 eP, 1.9nm,0.7s,baz=114,slo=7.3,SNR=19

ZALV Zalesovo Beam 59.32 332 P, 0.6nm,0.3s,baz=123,slo=5.7,SNR=4.9

ZAA1 Zalesovo Array 59.32 332 eP, 4.9nm,0.6s

KURK Kurchof 60.63 327 eP, 1.31nm,1.7s

LITZ Lake Taylor 62.93 144 eP, 131nm,1.7s

TIXI Tikisi 65.99 0 P, 0.9nm,0.4s,baz=190,slo=3.9,SNR=2.5

BVAR Borovoye Array 66.22 326 P, 2.5nm,0.6s,baz=124,slo=7.3,SNR=15

ABKAR Akbulak array 71.24 320 eP, 0.3nm,0.5s,baz=234,slo=5.3,SNR=6.1

ILAR Eielson Array 83.09 25 P, 0.3nm,0.5s,baz=234,slo=5.3,SNR=6.1

ILB Eielson Array 83.09 25 eP, 0.3nm,0.5s,baz=234,slo=5.3,SNR=6.1

ARA0 ARCESS Array S 88.99 340 eP, 9.1nm,1.1s,baz=77,slo=7.8,SNR=3.0

ARCS ARCESS Array B 88.99 340 P, 9.1nm,1.1s,baz=77,slo=7.8,SNR=3.0

BR101 Keskin Array S 89.46 310 P, 0.7nm,0.7s,baz=119,slo=5.1,SNR=3.7

BRTR Keskin Array B 89.46 310 P, 0.7nm,0.7s,baz=119,slo=5.1,SNR=3.7

TORD Torodi Ar. Bea 123.08 290 PKP, 0.3nm,0.6s,baz=82,slo=2.0,SNR=5.8

TOA1 Torodi Ar. Sit 123.09 290 ePKPdf, 0.3nm,0.6s,baz=82,slo=2.0,SNR=5.8

ISCJB 20 22:04.21.0.0.3.59.39N.0.05:30.26W.0.07,h14km, mb4.2/43,MS3.5/27, Error ellipse: s-maj=7.6km

IDC 20 22:04.20.4.0.7.59.29N.30.27W,h0km,mb4.0/21, mb1.4/223,mb1mx3.9/69,mbtmp4.0/23,ML3.4/2,MS3.6/30, Ms1.3/630,ms1mx3.5/42, Error ellipse: s-maj=18.8km s-min=13.8km az=19.0

CSEM 20 22:04.21.5.0.2.59.29N.30.18W,h10km,mb4.6/14 NEIC 20 22:04.21.7.0.3.59.24N.30.22W,h10km,mb4.5/18, Error ellipse: s-maj=10.2km s-min=5.8km az=0.0

ISC 20 22:04.23.1.0.5.59.42N.0.07:30.27W.0.06,h14km,n158,r170/147,mb4.1/48,MS3.5/28,10C-4D,Reykjanes Ridge

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h m s ISC. Includes stations like BORG Borgarnes, SFJD Skafellmúir Ar, SUMG Summit, etc.

ARA0 ARCESS Array S 25.09 43 eP, comp=Z,0.9nm,0.8s,SNR=4.3





ISK 20 22:18:36.1, 38°65N-43°13E, h5km, MD2.7
ISCJB 20 22:18:37.6, 0.5, 38°66N-0°03:43.10E, 0.03, h8km, 5km,
Error ellipse: s-maj=4.6km s-min=4.1km az=40.4

CSEM 20 22:18:37.0, 0.2, 38°65N-43°10E, h10km, MD2.7, Error
ellipse: s-maj=4.2km s-min=3.8km az=144.0

DDA 20 22:18:37.2, 38°67N-43°13E, h7km, ML2.8
ISC 20 22:18:37.8-0.9, 38°64N-0°02:43.10E, 0.02, h10km, 9km,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VANB, TVAN, GEVA, ADCV, etc.

MAN 20 22:36:55, 7°25N-126°09E, h68km, mb4.9, ML3.8, MS3.8, 1C-1D, Mindanao
Code Station Name Az Phase ID Time Res

KRNET 20 22:45:20.9-0.1, 39°08N-70°18E, mb2.9
NNC 20 22:45:24.9-4.1, 38°93N-70°44E, h0km, mb3.6, mpv3.2,
Error ellipse: s-maj=32.6km s-min=23.0km az=25.0

ISC 20 22:45:25.9-1.9, 39°11N-0°17:40.02E, h0.17km, n15,
c2523/26, 17C-12D, Tajikistan
Code Station Name Az Phase ID Time Res

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BTk, SFK, ARK, TOKL, MNAS, etc.

ISN 20 22:47:51.5-1.3, 39°14N-43°23E, h0km, 94km, ML3.9
ISK 20 22:47:58.3, 38°69N-43°18E, h5km, ML3.9
CSEM 20 22:47:59.8-0.1, 38°68N-43°19E, h2km, ML3.9, Error
ellipse: s-maj=3.7km s-min=3.0km az=142.0

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

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

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

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

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RTB, SNR=3.0, etc.

ISK 20 22:59:24.8, 37°62N-26°85E, h2km, ML2.3
ISCJB 20 22:59:25.3-0.6, 37°68N-0°04:26:99E, 0.06, h10km, 5km,
Error ellipse: s-maj=9.4km s-min=3.7km az=145.1

CSEM 20 22:59:25.5-0.2, 37°69N-27°03E, h10km, ML2.5, Error
ellipse: s-maj=6.9km s-min=2.9km az=57.0

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

AZER 20 23:00:33.2-1.4, 38°36N-43°03E, h2km, Error ellipse:
s-maj=22.9km s-min=11.7km az=118.0

DDA 20 23:00:39.8, 38°85N-43°58E, h5km, ML3.3
ISK 20 23:00:40.3, 38°86N-43°55E, h4km, ML3.3
CSEM 20 23:00:41.2-0.2, 38°87N-43°59E, h2km, ML3.3, Error
ellipse: s-maj=4.7km s-min=4.0km az=147.0

ATA 20 23:00:41.4-3.5, 38°92N-43°57E, h16km, 23km, MD3.6,
ISC 20 23:00:41.2-1.0, 38°85N-0°01:43:56E, 0.02, h3km, 9km,

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

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

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

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

21d 1h

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

CSEM 20 23:04:43.6, 0.2, 38.79N:43.42E, h10km, MD2.8, Error ellipse: s-maj=4.3km s-min=3.1km az=106.0

DDA 20 23:04:43.2, 38.79N:43.41E, h7km, MD2.7 Error ellipse: s-maj=4.0km s-min=3.1km az=106.0

ISCJ 20 23:04:43.1, 38.79N:43.41E, h5km, MD2.8 Error ellipse: s-maj=6.0km s-min=3.4km az=10.5

ISC 20 23:04:44.1, 0.8, 38.79N:0.02:43.41E:0.03, h16km, 6km, n30, e090/53, Turkey

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

DDA 20 23:26:21.9, 1.1, 0.04N:126.30E, h0km, mb3.7, mb1 3.8/7, mb1mx3.5/38, mbmtpp3.7/7, ML3.3/1, Error ellipse: s-maj=97.8km s-min=17.0km az=69.0

DJA 20 23:26:26.9, 0.6, 0.0S:4.12E, h10km, MB4.1/6, mb4.6/1, mb4.6/1, MLV3.9/6, MW(mw)3.8/1

ISCJB 20 23:26:26.9, 0.6, 0.28S:0.06E:125.60E:0.04, h44km, mb3.6/6, Error ellipse: s-maj=8.9km s-min=5.6km az=21.2

2011 NOV

ISC 20 23:26:28.8, 0.8, 0.34S:0.06E:125.63E:0.05, h44km, n16, e112/20, mb3.7/6, Southern Molucca Sea

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

DDA 20 23:28:17.0, 3.8'69N:43'26E, h7km, ML2.6 Error ellipse: s-maj=7.8km s-min=4.5km az=0.5

ISCJ 20 23:28:16.3, 38.68N:0.03:43.27E:0.06, h15km, 5km, Error ellipse: s-maj=7.8km s-min=4.5km az=0.5

CSEM 20 23:28:17.0, 0.3, 38.67N:43.26E, h12km, MD2.5, Error ellipse: s-maj=6.6km s-min=4.2km az=84.0

ISC 20 23:28:17.2, 0.8, 38.68N:0.02:43.26E:0.03, h15km, 7km, n22, e097/38, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VANB, ERVC, etc.

CSEM 21 00:27:45.2, 67.83N:20.20E, h0km, ML2.1, Mining explosion.

UPP 21 00:27:45.2, 67.83N:20.20E, h0km, ML2.1, Mining explosion.

HEL 21 00:27:44.1, 67.84N:19.95E, h0km, ML1.4, Explosion, Sweden

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RATU, KUA, etc.

CSEM 21 00:27:49.8, 67.84N:20.27E, h0km, ML2.0, Mining explosion, Sweden

UPP 21 00:27:49.8, 67.84N:20.27E, h0km, ML2.0, Mining explosion, Sweden

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KUA, etc.

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ISK 21 00:42:57.5, 38.71N:43.32E, h5km, MD2.6 Error ellipse: s-maj=5.6km s-min=4.4km az=34.9

CSEM 21 00:42:58.4, 0.2, 38.73N:43.32E, h10km, MD2.6, Error ellipse: s-maj=4.7km s-min=3.7km az=89.0

DDA 21 00:42:58.2, 38.73N:43.32E, h7km, MD2.4 Error ellipse: s-maj=6.0km s-min=3.4km az=10.5

ISC 21 00:42:58.9, 0.9, 38.73N:0.02:43.32E:0.03, h11km, 7km, n25, e080/44, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VANB, ERVC, etc.

BUI 21 00:56:01.3, 30.51N:106.94E, h18km, ML3.1/7, Sichuan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like XAN, GYA, etc.

ISK 21 00:58:57.6, 38.67N:43.10E, h5km, MD2.8 Error ellipse: s-maj=4.9km s-min=4.4km az=163.8

ISCJ 21 00:58:59.7, 0.5, 38.70N:0.03:43.35E:0.04, h11km, 5km, Error ellipse: s-maj=5.2km s-min=4.2km az=79.0

CSEM 21 00:58:59.0, 0.2, 38.71N:43.16E, h10km, MD2.8, Error ellipse: s-maj=5.2km s-min=4.2km az=79.0

DDA 21 00:58:59.4, 38.70N:0.02:43.15E, h7km, MD2.7 Error ellipse: s-maj=5.2km s-min=4.2km az=79.0

ISC 21 00:58:59.7, 0.9, 38.70N:0.02:43.15E:0.03, h15km, 8km, n28, e081/46, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VANB, ERVC, etc.

NEIC 21 01:01:38.3, 0.0, 33.18N:115.61W, h2km, ML3.2(PAS), After PAS.

MEX 21 01:01:47.6, 0.6, 32.60N:115.86W, h16km, 7km, MD3.7 Error ellipse: s-maj=3.8km s-min=3.1km az=163.8

ISC 21 01:01:38.2, 0.9, 33.15N:0.02:115.63W:0.02, h12km, 8km, n47, e195/81, Southern California

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SWSC, BC3, IKP, etc.

IKP		S	Sg	01 02 00.0 +0.7		
GLA	baz=38	0.68	98	P	Pg	01 01 50.6 -0.8
GLA	baz=281, SNR=116		S	Sg	01 01 59.7 -0.6	
MONP2	Monument Peak	0.72	249	P	Pg	01 01 52.0 -0.2
MONP2	baz=67, SNR=49		S	Sg	01 02 02.0 +0.4	
MBIG	Mexical	0.83	154	eP	Pn	01 01 57.6 +2.0
MBIG	baz=67		i	S	Pg	01 02 04.6 -0.4
PFO	Pinyon Flats O	0.83	304	P	Sg	01 01 53.5 -0.9
PFO	baz=121, SNR=90		S	Sg	01 02 05.0 -0.3	
PFO	Pinyon Flats O	0.83	304	eP	Pg	01 01 53.4 -0.9
PFO	baz=121		eS	Pn	01 02 04.9 -0.4	
BELC	Belle Mtn. Jos	0.90	340	P	Pg	01 01 54.3 -1.3
BELC	baz=159, SNR=67		S	Sg	01 02 07.0 -0.5	
IRM	Iron Mountain	1.08	22	P	Pg	01 01 57.0 -2.1
IRM	baz=202, SNR=232		S	Sb	01 02 12.3 -0.6	
IRM			S	Sb	01 02 12.3 -0.6	
Y12C	Blythe	1.10	57	P	Pg	01 01 57.0 -2.4
Y12C	baz=238, SNR=147		S	Sb	01 02 13.0 -0.5	
TJIG	Tijuana	1.14	231	eP	Pb	01 01 58.9 -0.9
TJIG	baz=238		i	S	Pn	01 02 07.5 -7.0
CBX	Cerro Bola	1.21	227	eS	Sb	01 01 59.3 -1.6
CBX	baz=121		i	S	Pn	01 02 08.4 -8.4
CBX	Cerro Bola	1.21	227	eP	Pb	01 01 59.5 -1.6
CBX	baz=121		i	S	Pn	01 02 08.4 -8.4
109C	Camp Elliot, M	1.27	258	P	Pn	01 02 00.3 -1.4
109C	baz=77, SNR=28		S	Sb	01 02 17.9 -0.5	
MURC	Murrieta	1.39	289	P	Pn	01 02 02.1 -1.4
MURC	baz=107		Sb	Sb	01 02 22.0 +0.2	
BBRC	Big Bear Solar	1.54	316	Sb	Sn	01 02 26.1 +0.2
BBRC	baz=135		Sb	Sn	01 02 26.1 +0.2	
GMRC	Granite Mounta	1.63	359	P	Pn	01 02 04.7 -2.2
GMRC	baz=173, SNR=103		Sb	Sb	01 02 28.6 -0.3	
PDMCI	Parker Dam, Lak	1.69	47	Pb	Pn	01 02 08.1 +0.6
PDMCI	baz=228, SNR=143		Sb	Sb	01 02 30.3 -0.1	
HEC	Hector, Ludlow	1.77	341	Pg	Pb	01 02 11.2 +0.5
HEC	baz=160		Sg	Sb	01 02 35.3 -0.0	
BFSO	Mount Baldy Ra	2.01	303	Sb	Sb	01 02 39.9 +0.1
RRX	Edison Barstow	2.06	327	Sg	Sg	01 02 45.3 +0.8
RRX	baz=146		Pn	Pn	01 02 12.5 -1.1	
SPIG	San Pedro Mart	2.10	176	i	S	01 02 30.8 -9.1
SPIG	baz=115		i	S	01 02 12.5 -1.1	
SPIG	San Pedro Mart	2.10	176	eP	Pn	01 02 11.4 -2.2
SPIG	baz=115		i	S	01 02 30.2 -1.0	
SPX	Turquoise Moun	2.29	354	Pg	Pb	01 02 26.6 +0.0
TUQ	baz=173		Sg	Sg	01 02 51.6 -0.3	
CIS	Catalina Islan	2.35	277	Sb	Sb	01 02 50.5 +1.0
CIS	baz=95		Pg	Pg	01 02 22.1 -1.3	
GSC	Goldstone, Bar	2.36	336	Pg	Pg	01 02 19.1 +2.2
GSC	baz=155		eP	Pn	01 02 22.3 +1.5	
PASC	Pasadena Art C	2.36	296	eP	Pb	01 02 48.1 +2.3
PASC	baz=115		eS	Pn	01 02 55.3 +1.2	
DECC	Green Verdugo	2.51	297	Sb	Sb	01 02 18.5 -1.8
DECC	baz=115		Sb	Sb	01 02 59.2 +2.0	
EDW2	Edwards Air Fo	2.62	312	P	Pn	01 02 59.5 +1.0
EDW2	baz=130		Sb	Sb	01 02 59.5 +1.0	
214A	Organ Pipe Nat	2.66	116	Sb	Sb	01 02 20.3 -0.6
214A	baz=298		eP	Pn	01 02 53.4 +0.2	
214A	Organ Pipe Nat	2.66	116	eP	Pn	01 02 30.3 -1.4
SHOC	Shoshone, Tec	2.79	349	Pg	Pg	01 02 34.6 -0.4
SHOC	baz=168		Pg	Pg	01 02 38.9 -2.2	
OSI	Osito Audit. C	2.96	300	Pg	Pg	01 02 40.4 -1.2
OSI	baz=118		Pg	Pg	01 02 43.0 -1.1	
MPMC	Manual Prospec	3.28	333	Pg	Pg	01 02 31.2 -1.6
MPMC	baz=151		eP	Pn	01 02 43.3 -2.2	
ARVC	Arvin	3.31	307	Pg	Pg	01 02 27.5 -3.6
ARVC	baz=125		Pg	Pg	01 02 50.3 -1.1	
ISA	Isabella, Lake	3.44	318	Pg	Pg	01 02 31.2 -1.6
ISA	baz=135		eP	Pn	01 02 43.3 -2.2	
DAC	Darwin (Calif)	3.51	333	eP	Pg	01 02 27.5 -3.6
DAC	baz=135		eS	Pn	01 02 50.3 -1.1	
PPT	Topopah Spring	3.82	353	Pg	Pg	01 02 40.5 -1.3
PPT	baz=112		eP	Pn	01 02 56.4 -1.7	
TUC	Tucson	4.17	100	eP	Pn	01 03 49.3 -2.8
TUC	baz=112		eS	Pn	01 02 44.3 +1.5	
WUAZ	Wupatki	4.24	55	eP	Pn	01 02 56.3 -3.1
WUAZ	baz=112		eS	Pn	01 03 12.1 -3.0	
R11A	Troy Canyon, C	5.18	0	Pg	Pg	01 03 15.3 -2.2
R11A	baz=180		eP	Pn	01 02 59.2 +3.4	
R11A	Troy Canyon, C	5.18	0	eP	Pn	01 02 59.2 +3.4
R11A	baz=180		eS	Pn	01 02 59.2 +3.4	
MVCO	Mesa Verde	7.10	53	eP	Pn	01 03 25.6 +3.5
MVCO	6.1nm, 0.6s		eS	Pb	01 03 40.6 +4.4	
MVCO			eP	Pb	01 05 23.1 -3.1	
MVCO			eP	Pb	01 03 29.4 +2.1	
PV10	Paradox Valley	7.47	44	eP	Pn	01 03 53.6 +5.7
PV10	222nm, 0.7s		eS	Pn	01 05 36.9 -1.1	
PV10			eP	Pn	01 03 31.0 +2.1	
PV01	Paradox Valley	7.59	47	eP	Pn	01 03 56.2 +6.2
PV01	333nm, 0.6s		eS	Pb	01 05 26.4 +5.8	

IDC 21 01:39:07.0.4.23:07S:178:76W, h392km, 4km, mb4.2/21, mb1 4.3/24, mb1mx4.2/32, mbmp4.9/24, Error ellipse: s-maj=10.9km s-min=8.5km az=154.0  
 BUJ 21 01:39:07.9.23:10S:178:80W, h409km, mb4.8/29, mB5.1/14  
 GCMT 21 01:39:07.4.0.5.23:13S:178:61W, h389km, 3km, MV5.2/55, Moment Tensor Solution. s55,c68; Duration: 1s0 Moment tensor: Scale 1016Nm; Mr=3.95e-33; Mw=0.79e-64; Mww=3.16e-52; Mw=3.65e-55; Mw=0.23e-52; Mw=6.42e-41; Best double couple: Mb=17100e1016 Np=1.87e27, 0000.0, 8.78, 0000.0, 1.84, 0000.0; NP2: e=180.0000%; s1.4, 0.0000%; A=116.0000%; Principal axes: T 7.6170, P1g32.0000, Azm112.0000; N 1.1100, P1g6.0000, Azm205.0000; P -8.7260, P1g57.0000; Azm305.0000; nsta1 refers to body waves, cutoff=40s.  
 ISCJB 21 01:39:07.0.0.8.23:11S:0.04:178.87W:0.03, h392km, 7km, mb4.8/92 Error ellipse: s-maj=6.1km s-min=4.3km az=149.6  
 MOS 21 01:39:07.0.1.1.23:09S:178:77W, h396km, mb4.9/14, Error ellipse: s-maj=10.7km s-min=10.2km az=156.6  
 NEIC 21 01:39:07.4.0.2.23:10S:178:76W, mb4.9/44, Error ellipse: s-maj=6.7km s-min=4.4km az=121.0  
 ISC 21 01:39:07.5.0.3.23:08S:178:75W:0.05, h401km, 3km, h402km, P-P n354, r137/432, mb4.8/93, 34C-16D, South of Fiji Islands

Code	Station Name	A°	AZ°	Phase ID	Time	Res
					h m s	ISC
MSVF	Nonsavu	6.11	330	Op	01 40 42.3	-0.2
MSVF	Nonsavu	6.11	330	eP	01 41 58.4	-0.7
MSVF	Nonsavu	6.11	330	eP	01 40 42.3	-0.2
MSVF	Nonsavu	6.11	330	eS	01 41 58.4	-0.7
RAO	Raoul Island	6.19	173	P	01 40 40.9	-2.2
RAO	65nm, 0.3s, baz=41, slow=23, SNR=6.1					
RAO	159nm, 0.3s, baz=252, slow=22, SNR=5.6					
AFI	Afihamu	11.26	37	P	01 41 33.5	-6.7
AFI	3.3nm, 0.3s, baz=293, slow=22, SNR=5.6					
AFI	5.2nm, 0.3s, baz=211, slow=23, SNR=6.2					
AFI	Afihamu	11.26	37	eP	01 41 33.5	-6.7
AFI	Afihamu	11.26	37	eS	01 41 32.9	-1.6
DZM	Mont Dzumac	13.72	271	P	01 42 09.6	+2.5
DZM	7.4nm, 0.3s, baz=82, slow=18, SNR=55					
DZM	0.2nm, 0.3s, baz=18, slow=18, SNR=2.0					
DZM	Mont Dzumac	13.72	271	eP	01 42 09.4	+2.3
DZM	Mont Dzumac	13.72	271	eS	01 44 29.4	-5.6
MXZ	Matakaoa Point	14.65	189	eP	01 42 17.4	+0.5
URZ	Urewera	15.54	192	P	01 42 25.3	-1.2
URZ	5.9nm, 0.3s, baz=312, slow=4.5, SNR=14					
URZ	14nm, 0.3s, baz=260, slow=21, SNR=19					
BKZ	Black Stump Fm	16.54	193	eP	01 42 41.7	+4.4
RAR	Rarotonga	17.68	88	P	01 42 48.4	-1.1
RAR	0.4nm, 0.3s, baz=269, slow=9.5, SNR=3.6					
BFZ	Birch Farm	18.05	192	eP	01 42 52.8	-0.8
BFZ	72nm, 0.8s					
SNZO	South Karori	18.99	195	eS	01 45 58.7	-0.5
SNZO	555nm, 1.8s					
SNZO	Topohouse	19.90	199	eP	01 46 13.2	-2.4
THZ	72nm, 1.6s					
KHZ	Kahutara	20.33	197	eP	01 43 11.4	-0.3
KHZ	104nm, 1.5s					
LTZ	Lake Taylor	21.02	199	eP	01 43 20.8	-1.2
LTZ	164nm, 1.5s					
LHI	Lord Howe Isla	21.41	242	P	01 43 27.6	+2.0
LHI	baz=22, SNR=7.0					
LHI	Lord Howe Isla	21.41	242	eP	01 43 27.7	+2.0
LHI	140nm, 0.3s					
OXZ	Oxford	21.59	199	eP	01 43 27.6	+0.5
OXZ	113nm, 1.3s					
RPZ	Rata Peaks	22.24	200	P	01 43 31.7	-1.3
RPZ	11nm, 0.4s, baz=74, slow=4.9, SNR=3.3					
RPZ	Rata Peaks	22.24	200	eP	01 43 31.7	-1.3
RPZ	201nm, 1.9s					
WKZ	Wanaka	23.89	202	eP	01 43 45.4	-2.6
WKZ	98nm, 1.4s					
MLZ	Mavora Lakes	24.68	203	eP	01 43 54.3	-0.7
MLZ	83nm, 1.6s					
DCZ	Deep Cove	25.11	204	eP	01 43 58.2	-0.6
DCZ	67nm, 1.5s					
WHZ	Wharfedale Hill Ro	25.19	202	eP	01 44 57.9	-1.6
WHZ	67m, 1.5s					
TARA	Tararua	25.61	340	eP	01 44 02.5	-1.1
TARA	438nm, 1.4s					
ARMA	Armidale	27.39	248	P	01 44 20.8	+1.4
ARMA	baz=39, SNR=15					
ARMA	Armidale	27.39	248	eP	01 44 20.1	+0.7
ARMA	34nm, 0.9s					
EIDS	Eidsvold	27.58	259	P	01 44 21.2	+0.2
EIDS	baz=29, SNR=4.6					
EIDS	Eidsvold	27.58	259	eP	01 44 21.4	+0.4
EIDS	22nm, 1.1s					
PAP	Papeete	27.87	84	P	01 44 23.4	-0.3
PAP	21nm, 0.9s, baz=33, slow=3.6, SNR=5.2					
MGCD	Mangrove Creek	28.34	242	P	01 44 29.2	+1.6
MGCD	baz=28, SNR=26					
RMQ	Roma	29.66	257	P	01 44 40.1	+0.9
RMQ	baz=30, SNR=17					
CNB	Canberra Magne	30.26	239	P	01 44 46.1	+1.6
CNB	baz=39, SNR=19					
CAN	Canberra	30.55	239	eP	01 44 47.8	+0.8
CAN	comp=Z, 44nm, 0.7s					
CAN	Canberra	30.55	239	eP	01 44 47.8	+0.8
CAN	comp=Z, 44nm, 0.7s					
YNG	Young	30.79	241	P	01 44 50.2	+1.2
YNG	baz=31, SNR=14					
CMSA	Cobar Meteorol	32.59	247	P	01 45 05.0	+0.5
CMSA	baz=33, SNR=17					
CTA	Charters Tower	32.64	268	P	01 45 05.5	+0.4
CTA	comp=Z, 47nm, 0.5s, baz=98, slow=10, SNR=118					
CTA	Charters Tower	32.64	268	eP	01 49 52.1	+0.7
CTA	comp=Z, 2.5nm, 0.9s, baz=254, slow=18, SNR=3.6					
CTAO	Charters Tower	32.64	268	eP	01 45 05.5	+0.4
CTAO	comp=Z, 55nm, 0.6s					
CTAO	Charters Tower	32.64	268	eP	01 45 05.5	+0.4
CTAO	comp=Z, 55nm, 0.6s					
QLP	Quilpie	33.70	256	P	01 45 14.5	+0.3
QLP	baz=34, SNR=4.5					
TOO	Toolangi	33.86	236	P	01 45 16.2	+0.8
TAU	Tasmania Unive	34.33	227	eP	01 45 20.1	+0.9
TAU	comp=Z, 156nm, 1.7s					
TAU	Tasmania Unive	34.33	227	eP	01 45 20.1	+0.9
TAU	comp=Z, 156nm, 1.7s					
MTSU						



21d 1h

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Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MURC, VES, MONP2, EDW2, IKP, ISA, CMB, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like CHTO, S22A, HHC, HHC, REDW, COLA, SNOW, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like UZH, CRVS, CSS, NIE, NIE, NIE, KSP, DOPRA, MLR, etc.

Table with columns: Station Name, Frequency, Band, Power, Azimuth, Elevation, etc. Includes stations like Sonseca Array, TORD, etc.

ISN 21 01:56:40.7.0.9, 32.199N.60.02E, h0km, m52km, ML4.9
ISCJB 21 01:56:41.1.0.1, 32.20N.02.60.00E, 0.02, h10km,
mb4.7/126, MS4.3/50, Error ellipse: s-maj=2.4km

THR 21 01:56:41.8.0.4, 32.20N.59.92E, h14km, m8km, ML4.5
NEIC 21 01:56:41.8.0.0, 32.20N.59.92E, h14km, mb4.7/42,
ML4.8(THR), MN4.9(TEH), After THR.

GCMT 21 01:56:41.8.0.2, 32.05N.59.92E, h13km, 1km, MW5.0/71,
Moment Tensor Solution, s36,c43; s71,c11; Duration:
0 Moment tensor: Scale 10^19Nm; Mr2,22; 16;

DSN 21 01:56:43.4.5.2, 32.11N.60.28E, h15km, Ms3.9/7, Error
ellipse: s-maj=86.1km s-min=7.5km az=77.0
CSEM 21 01:56:43.1.0.1, 32.26N.59.98E, h10km, mb4.7/47, Ms3.9,
Error ellipse: s-maj=4.0km s-min=2.8km az=122.0

TEH 21 01:56:43.0, 32.19N.60.05E, h10km, ML4.9
MOS 21 01:56:44.2.1.2, 32.15N.59.96E, h35km, mb5.0/60,
MS4.3/24, Error ellipse: s-maj=5.9km s-min=4.0km
az=116.6

OMAN 21 01:56:46.0.99.0, 32.13N.60.13E, h22km, 3km, Error
ellipse: s-maj=10.5km s-min=2.3km az=343.0
IDC 21 01:56:45.0.3.6, 32.02N.60.00E, h33km, 28km, mb4.3/32,
mb1.4/40, mb1mx4.4/50, mbtmp4.5/40, ML3.8/7, MS4.2/35,
Ms1.4/2/35, ms1mx4.1/49, Error ellipse: s-maj=13.0km
s-min=9.4km az=168.0

ISC 21 01:56:42.6.0.3, 32.19N.0.03.5999E, 0.03, h10km, n561,
r=16000, mb4.7/135, MS4.3/50, 31C-11D, Northern and
central Iran

Main station list table with columns: Code, Station Name, Az, Phase, Time, Res, etc. Lists numerous stations like IDAH, SHRT, ZHSF, etc.

Main station list table with columns: Station Name, Frequency, Band, Power, Azimuth, Elevation, etc. Lists numerous stations like IRAM, IZEF, etc.

Main station list table with columns: Station Name, Frequency, Band, Power, Azimuth, Elevation, etc. Lists numerous stations like KSH, WHFO, etc.



Table with columns: Station, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like GPC, MOA, PRU, KMI, PRA, AQU, MYKA, SONM, SONM1, GEA0, GEC2, KBA, KHC, BRG, SUKH, ULN, ULN1, ULN2, ULN3, ULN4, ULN5, ULN6, ULN7, ULN8, ULN9, ULN10, ULN11, ULN12, ULN13, ULN14, ULN15, ULN16, ULN17, ULN18, ULN19, ULN20, ULN21, ULN22, ULN23, ULN24, ULN25, ULN26, ULN27, ULN28, ULN29, ULN30, ULN31, ULN32, ULN33, ULN34, ULN35, ULN36, ULN37, ULN38, ULN39, ULN40, ULN41, ULN42, ULN43, ULN44, ULN45, ULN46, ULN47, ULN48, ULN49, ULN50, ULN51, ULN52, ULN53, ULN54, ULN55, ULN56, ULN57, ULN58, ULN59, ULN60, ULN61, ULN62, ULN63, ULN64, ULN65, ULN66, ULN67, ULN68, ULN69, ULN70, ULN71, ULN72, ULN73, ULN74, ULN75, ULN76, ULN77, ULN78, ULN79, ULN80, ULN81, ULN82, ULN83, ULN84, ULN85, ULN86, ULN87, ULN88, ULN89, ULN90, ULN91, ULN92, ULN93, ULN94, ULN95, ULN96, ULN97, ULN98, ULN99, ULN100.

Table with columns: Station, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ARCES, SENIN, NB2, NOA, BNI, PANO, WLF, MEM, BCLA, DOU, SSB, SSB1, SSB2, SSB3, SSB4, SSB5, SSB6, SSB7, SSB8, SSB9, SSB10, SSB11, SSB12, SSB13, SSB14, SSB15, SSB16, SSB17, SSB18, SSB19, SSB20, SSB21, SSB22, SSB23, SSB24, SSB25, SSB26, SSB27, SSB28, SSB29, SSB30, SSB31, SSB32, SSB33, SSB34, SSB35, SSB36, SSB37, SSB38, SSB39, SSB40, SSB41, SSB42, SSB43, SSB44, SSB45, SSB46, SSB47, SSB48, SSB49, SSB50, SSB51, SSB52, SSB53, SSB54, SSB55, SSB56, SSB57, SSB58, SSB59, SSB60, SSB61, SSB62, SSB63, SSB64, SSB65, SSB66, SSB67, SSB68, SSB69, SSB70, SSB71, SSB72, SSB73, SSB74, SSB75, SSB76, SSB77, SSB78, SSB79, SSB80, SSB81, SSB82, SSB83, SSB84, SSB85, SSB86, SSB87, SSB88, SSB89, SSB90, SSB91, SSB92, SSB93, SSB94, SSB95, SSB96, SSB97, SSB98, SSB99, SSB100.

Table with columns: Station, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like KOWA, TYV, SUMG, SUMG1, SUMG2, SUMG3, SUMG4, SUMG5, SUMG6, SUMG7, SUMG8, SUMG9, SUMG10, SUMG11, SUMG12, SUMG13, SUMG14, SUMG15, SUMG16, SUMG17, SUMG18, SUMG19, SUMG20, SUMG21, SUMG22, SUMG23, SUMG24, SUMG25, SUMG26, SUMG27, SUMG28, SUMG29, SUMG30, SUMG31, SUMG32, SUMG33, SUMG34, SUMG35, SUMG36, SUMG37, SUMG38, SUMG39, SUMG40, SUMG41, SUMG42, SUMG43, SUMG44, SUMG45, SUMG46, SUMG47, SUMG48, SUMG49, SUMG50, SUMG51, SUMG52, SUMG53, SUMG54, SUMG55, SUMG56, SUMG57, SUMG58, SUMG59, SUMG60, SUMG61, SUMG62, SUMG63, SUMG64, SUMG65, SUMG66, SUMG67, SUMG68, SUMG69, SUMG70, SUMG71, SUMG72, SUMG73, SUMG74, SUMG75, SUMG76, SUMG77, SUMG78, SUMG79, SUMG80, SUMG81, SUMG82, SUMG83, SUMG84, SUMG85, SUMG86, SUMG87, SUMG88, SUMG89, SUMG90, SUMG91, SUMG92, SUMG93, SUMG94, SUMG95, SUMG96, SUMG97, SUMG98, SUMG99, SUMG100.

ISK 21 02:00:02.9, 37.89N-30.57E, h7km, MD3.0  
ISCJB 21 02:00:03.2, 0.5, 37.90N, 0.02-30.58E:0.03, h2km, 5km,  
Error ellipse: s-maj=3.9km s-min=3.5km az=31.4  
DDA 21 02:00:03.2, 37.97N-30.56E, h18km, M12.9  
CSEM 21 02:00:03.4, 0.1, 37.90N-30.56E, h8km, MD3.0, Error  
ellipse: s-maj=2.7km s-min=2.4km az=81.0  
ISC 21 02:00:03.7, 1.0, 37.89N, 0.02-30.58E:0.02, h10km, 9km,  
n55, c0:77575, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like BAGO, BCK, BCK1, BCK2, BCK3, BCK4, BCK5, BCK6, BCK7, BCK8, BCK9, BCK10, BCK11, BCK12, BCK13, BCK14, BCK15, BCK16, BCK17, BCK18, BCK19, BCK20, BCK21, BCK22, BCK23, BCK24, BCK25, BCK26, BCK27, BCK28, BCK29, BCK30, BCK31, BCK32, BCK33, BCK34, BCK35, BCK36, BCK37, BCK38, BCK39, BCK40, BCK41, BCK42, BCK43, BCK44, BCK45, BCK46, BCK47, BCK48, BCK49, BCK50, BCK51, BCK52, BCK53, BCK54, BCK55, BCK56, BCK57, BCK58, BCK59, BCK60, BCK61, BCK62, BCK63, BCK64, BCK65, BCK66, BCK67, BCK68, BCK69, BCK70, BCK71, BCK72, BCK73, BCK74, BCK75, BCK76, BCK77, BCK78, BCK79, BCK80, BCK81, BCK82, BCK83, BCK84, BCK85, BCK86, BCK87, BCK88, BCK89, BCK90, BCK91, BCK92, BCK93, BCK94, BCK95, BCK96, BCK97, BCK98, BCK99, BCK100.











21d 3h

Table with columns for station name, frequency, power, and other technical details. Includes stations like PSI Prapat, PALK Pallekele, and various others.

2011 NOV

Table with columns for station name, frequency, power, and other technical details. Includes stations like KBL Bishkek, CHMS Chumyush, and various others.

1182

Table with columns for station name, frequency, power, and other technical details. Includes stations like ZALV Zalesovo Beam, ZALV Chita, and various others.



21d 3h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BOLV, FURI, AKASG, etc.

2011 NOV

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SGRR, NIS1, SZH, SMG, WRA, etc.

1184

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like EREA, SOH, SOH, SOH, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like KIPourio, Rabaul, Ithom, DRO, PVO, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like UPC, HFS, BEHE, CONA, KOGS, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like GERES, GERS, GERES, etc.





21d 3h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like WMOK, WMOK, WVT, Waverly, etc.

2011 NOV

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like 339A, 340A, 341A, 341A, etc.

1188

Table with columns: Code, Station Name, Frequency, Power, Mode, and other details. Includes stations like LVC, LVC, LVC, LVC, etc.

GADA	Gvkgeada	0.20 154	P	Pb	03 47 47.6	-0.7
GADA			S	Sg	03 47 50.9	+0.3
SMTH	Samothraki Isl	0.21 297	S	Pg	03 47 47.6	-0.1
SMTH			S	Pg	03 47 50.0	-0.9
SMTH	comp=E,11280µm,0.2s		AML	AML	03 47 51.1	
SMTH	comp=N,13569µm,0.1s		AML	AML	03 47 51.2	
SMTH	Samothraki Isl	0.21 297	P	Pg	03 47 47.6	-0.1
SMTH			S	Sg	03 47 50.9	-0.1
SMTH	Samothraki Isl	0.21 297	S	Pg	03 47 47.6	-0.1
SMTH			S	Pg	03 47 50.9	-0.1
ENEZ	Enez	0.46 38	ePG	Pg	03 47 51.7	-0.3
ENEZ			eSG	Pg	03 47 58.3	-0.9
ENEZ	Enez	0.46 38	P	Pg	03 47 51.7	-0.3
ENEZ			S	Sg	03 47 58.3	-0.9
ENEZ	Enez	0.46 38	P	Pg	03 47 51.7	-0.3
ENEZ			S	Sg	03 47 58.3	-0.9
GELI	Tayfur-Gelibol	0.53 87	ePG	Pg	03 47 53.0	-0.3
GELI			eSG	Pg	03 47 59.8	-0.5
GELI	Tayfur-Gelibol	0.53 87	ePG	Pg	03 47 53.0	-0.3
GELI			eSG	Pg	03 47 59.8	-0.5
ERIK	Erikli-Kesan	0.63 62	ePG	Pg	03 47 54.4	-0.8
ERIK			eSG	Pg	03 48 03.1	-0.5
ERIK	Erikli-Kesan	0.63 62	ePG	Pg	03 47 54.4	-0.8
ERIK			eSG	Pg	03 48 03.1	-0.5
LIA	Limnos Island	0.66 224	P	Pg	03 48 03.1	-0.5
LIA			S	Sg	03 47 56.3	+0.2
LIA			S	Sg	03 48 03.3	+0.3
LIA	comp=N,1236µm,0.5s		AML	AML	03 48 07.7	
LIA	comp=E,1171µm,0.3s		AML	AML	03 48 07.8	
LIA	Limnos Island	0.66 224	P	Pg	03 47 55.7	0.0
LIA			S	Sg	03 48 05.0	-0.1
LIA	Limnos Island	0.66 224	P	Pg	03 47 55.7	0.0
LIA			S	Sg	03 48 05.0	-0.1
EZINE	Ezine	0.69 143	ePG	Pg	03 47 55.8	-0.4
EZINE			eSG	Pg	03 47 59.8	-0.5
EZINE	Ezine	0.69 143	ePG	Pg	03 47 55.8	-0.4
EZINE			eSG	Pg	03 47 59.8	-0.5
EZINE	Ezine	0.69 143	P	Pg	03 47 55.8	-0.4
EZINE			S	Sg	03 47 59.8	-0.5
LAPSEKI	Lapseki	0.75 90	ePG	Pg	03 47 56.5	-0.5
LAPSEKI			eSG	Pg	03 47 59.8	-0.5
RDK	Rodhopi	0.79 347	P	Pg	03 47 58.3	-0.4
RDK			S	Sg	03 48 08.7	-0.2
RDK	comp=E,845µm,0.3s		AML	AML	03 48 10.9	
RDK	comp=N,81µm,0.3s		AML	AML	03 48 11.5	
RDK	Rodhopi	0.79 347	P	Pg	03 47 57.8	-0.4
RDK			S	Sg	03 48 08.7	-0.2
RDK	Rodhopi	0.79 347	P	Pg	03 47 57.8	-0.4
RDK			S	Sg	03 48 08.7	-0.2
KESN	Edirne-Kesan	0.82 56	iPG	Pg	03 47 58.1	-0.7
KESN			iSG	Pg	03 48 09.0	-0.7
KESN	Edirne-Kesan	0.82 56	iPG	Pg	03 47 58.1	-0.7
KESN			iSG	Pg	03 48 09.0	-0.7
KESN	CANAKKALE_Bayr	0.86 137	iPG	Pg	03 47 59.0	-0.5
KESN			iSG	Pg	03 47 59.0	-0.5
KESN	CANAKKALE_Bayr	0.86 137	P	Pg	03 47 59.0	-0.5
KESN			S	Sg	03 48 10.8	-0.1
RKY	Sarkoy-Tekirda	1.11 73	ePG	Pg	03 48 03.3	-0.4
RKY			eSG	Pg	03 48 05.3	-0.3
KAVA	Kavala	1.15 303	P	Pg	03 48 18.7	+0.3
KAVA			S	Sg	03 48 22.0	
KAVA	comp=E,274µm,0.3s		AML	AML	03 48 23.1	
KAVA	comp=N,414µm,0.3s		AML	AML	03 48 23.1	
KAVA	Kavala	1.15 303	P	Pg	03 48 04.2	-0.2
KAVA			S	Sg	03 48 19.6	+0.5
KAVA	Kavala	1.15 303	P	Pg	03 48 04.2	-0.2
KAVA			S	Sg	03 48 19.6	+0.5
KRBG	Karabiga-Canak	1.16 89	ePG	Pg	03 48 03.8	-0.7
KRBG			eSG	Pg	03 48 03.8	-0.7
PRK	Paraskevi	1.19 161	P	Pg	03 48 05.6	-0.1
PRK			S	Sg	03 48 20.3	+0.1
PRK	comp=E,1256µm,0.5s		AML	AML	03 48 23.2	
PRK	comp=N,1704µm,0.6s		AML	AML	03 48 23.2	
PRK	Paraskevi	1.19 161	P	Pg	03 48 04.9	-0.1
PRK			S	Sg	03 48 20.6	+0.4
PRK	Paraskevi	1.19 161	P	Pg	03 48 04.9	-0.1
PRK			S	Sg	03 48 20.6	+0.4
KNL	Bar-Kesir	1.34 94	iPG	Pg	03 48 06.8	-0.2
KNL			iSG	Pg	03 48 25.3	-0.7
OUR	Ouranopolis	1.38 269	P	Pg	03 48 06.4	-1.1
OUR			S	Sg	03 48 27.6	+0.3
OUR	comp=N,341µm,0.3s		AML	AML	03 48 30.7	
OUR	comp=E,337µm,0.4s		AML	AML	03 48 31.5	
OUR	Ouranopolis	1.38 269	P	Pg	03 48 06.8	-0.7
OUR			S	Sg	03 48 27.7	0.0
OUR	Ouranopolis	1.38 269	P	Pg	03 48 06.8	-0.7
OUR			S	Sg	03 48 27.2	0.0
TKR	Tekirdag	1.47 65	ePN	Pg	03 48 10.0	+0.2
TKR			ePN	Pg	03 48 10.0	+0.2
GONE	Gonen-Balikesi	1.49 102	ePN	Pg	03 48 10.1	-0.2
GONE			ePN	Pg	03 48 10.1	-0.2
BALY	Balya	1.55 114	iPG	Pg	03 48 10.4	+0.5
BALY			iSG	Pg	03 48 31.1	+0.5
BALY	Balya	1.55 114	P	Pg	03 48 10.4	+0.5
BALY			S	Sg	03 48 31.1	+0.5
DKL	Dikili	1.56 146	ePN	Pg	03 48 10.6	+0.5
DKL			ePN	Pg	03 48 10.6	+0.5
EDC	Edincik	1.59 90	ePN	Pg	03 48 11.3	-0.6
EDC			ePN	Pg	03 48 11.3	-0.6
EDRB	Edirne	1.64 26	ePN	Pg	03 48 12.3	-0.5
EDRB			ePN	Pg	03 48 12.3	-0.5
CRLT	Corlu	1.66 62	ePN	Pg	03 48 12.6	-0.6
CRLT			ePN	Pg	03 48 12.6	-0.6
PAIG	Paliouri	1.67 255	P	Pn	03 48 10.2	-1.4
PAIG			P	Pn	03 48 10.9	-0.7
PAIG	Paliouri	1.67 255	P	Pn	03 48 10.2	-1.4
PAIG			P	Pn	03 48 10.9	-0.7
NVR	Nevrokopi	1.75 304	P	Pn	03 48 12.6	-0.1
NVR			S	Sn	03 48 35.9	+1.1
NVR	Nevrokopi	1.75 304	P	Pn	03 48 12.6	-0.1
NVR			S	Sn	03 48 35.9	+1.1
NVR	Baliksesir	1.77 114	ePN	Pg	03 48 13.1	+0.2
NVR			ePN	Pg	03 48 13.1	+0.2
PLG	Polygyros	1.79 271	P	Pn	03 48 14.2	+1.1
PLG			P	Pn	03 48 14.2	+1.1
STEP	BALIKESIR_Sava	1.79 123	iPG	Pg	03 48 12.5	-0.8
STEP			iSG	Pg	03 48 39.7	-0.8
STEP	BALIKESIR_Sava	1.79 123	P	Pg	03 48 12.5	-0.8
STEP			S	Sg	03 48 39.7	-0.8
SRS	Serrai	1.82 295	P	Pn	03 48 13.4	-0.2
SRS			S	Sn	03 48 37.6	+1.1
SRS	comp=E,196µm,0.3s		AML	AML	03 48 43.7	
SRS	comp=N,182µm,0.3s		AML	AML	03 48 43.7	
SRS	Serrai	1.82 295	P	Pn	03 48 13.8	+0.2
SRS			S	Sn	03 48 37.6	+1.1
SRS	Serrai	1.82 295	P	Pn	03 48 13.8	+0.2
SRS			S	Sn	03 48 37.6	+1.1
SOH	Sokhos	1.90 284	P	Pn	03 48 15.1	+0.3
SOH			S	Sb	03 48 40.5	-0.3
SOH	Chios island	2.00 174	ePN	Pn	03 48 17.5	+1.4
SOH			P	Pn	03 48 16.4	+0.3
SOH	Chios island	2.00 174	P	Pn	03 48 17.5	+1.4
SOH			S	Sb	03 48 40.5	-0.3
SOH	Chios island	2.00 174	P	Pn	03 48 17.5	+1.4
SOH			S	Sb	03 48 40.5	-0.3
SOH	comp=N,241µm,0.6s		AML	AML	03 48 51.7	
SOH	comp=E,342µm,0.6s		AML	AML	03 48 51.7	
SOH	Chios island	2.00 174	P	Pn	03 48 16.4	+0.3
SOH			ePN	Pn	03 48 17.5	+1.4
SOH	Chios island	2.00 174	P	Pn	03 48 16.4	+0.3
SOH			S	Sb	03 48 40.5	-0.3
SOH	Chios island	2.00 174	P	Pn	03 48 16.4	+0.3
SOH			S	Sb	03 48 40.5	-0.3
HORT	Hortiatias	2.06 277	ePN	Pg	03 48 21.4	-0.9
HORT			S	Sb	03 48 18.1	+1.2
HORT	Hortiatias	2.06 277	P	Pn	03 48 21.4	-0.9
HORT			S	Sb	03 48 18.1	+1.2

HORT	Hortiatias	2.06 277	P	Pn	03 48 18.1	+1.2
HORT			S	Sb	03 48 18.1	+1.2
HORT	Hortiatias	2.06 277	P	Pn	03 48 18.1	+1.2
HORT			S	Sb	03 48 18.1	+1.2
URLA	Izmir	2.11 162	iPG	Pg	03 48 18.0	+0.4
URLA			iSG	Pg	03 48 18.0	+0.4
URLA	Izmir	2.11 162	P	Pn	03 48 18.0	+0.4
URLA			S	Sb	03 48 18.0	+0.4
AKHS	Akhisar	2.17 133	iPG	Pg	03 48 17.8	-0.6
AKHS			iSG	Pg	03 48 50.1	+1.7
AKHS	Akhisar	2.17 133	P	Pn	03 48 17.8	-0.6
AKHS			S	Sb	03 48 50.1	+1.7
ZEY	zmir	2.21 165	iPG	Pg	03 48 18.7	-0.2
ZEY			iSG	Pg	03 48 18.7	-0.2
XOR	Xorichiti	2.23 244	P	Pn	03 48 18.9	-0.4
XOR			P	Pn	03 48 18.9	-0.4
XOR	Xorichiti	2.23 244	P	Pn	03 48 18.9	-0.4
XOR			P	Pn	03 48 18.9	-0.4
KNT	Kendrikon	2.33 291	P	Pn	03 48 20.9	+0.3
KNT			S	Sb	03 48 23.4	+0.8
KNT	comp=N,63µm,0.4s		AML	AML	03 48 58.1	
KNT	comp=E,87µm,0.4s		AML	AML	03 48 58.2	
KNT	Kendrikon	2.33 291	P	Pn	03 48 20.9	+0.3
KNT			S	Sb	03 48 23.4	+0.8
DGB	zmir	2.47 159	iPG	Pg	03 49 00.6	-1.6
DGB			iSG	Pg	03 49 00.6	-1.6
IGD	Bursa	2.62 91	iPG	Pg	03 49 03.0	+0.9
IGD			iSG	Pg	03 49 03.0	+0.9
GRG	Griva	2.64 284	ePN	Pn	03 48 26.4	+1.6
GRG			P	Pn	03 48 26.4	+1.6
GRG	Griva	2.64 284	P	Pn	03 48 26.4	+1.6
GRG			P	Pn	03 48 26.4	+1.6
SMG	Samos	2.79 163	P	Pn	03 48 26.7	-0.2
SMG			P	Pn	03 48 26.7	-0.2
SMG	Samos	2.79 163	P	Pn	03 48 26.7	-0.2
SMG			P	Pn	03 48 26.7	-0.2
MAIT	Manisa	2.86 116	iPG	Pg	03 49 06.9	-0.2
MAIT			iSG	Pg	03 49 06.9	-0.2
VTS	Vitosha	2.94 320	iPG	Pg	03 49 29.1	0.0
VTS			iSG	Pg	03 49 29.1	0.0
VTS	Vitosha	2.94 320	P	Pn	03 49 29.1	0.0
VTS			S	Sb	03 49 29.1	0.0
VTS	Vitosha	2.94 320	P	Pn	03 49 29.1	0.0
VTS			S	Sb	03 49 29.1	0.0
AGG	Agios Georgios	2.99 244	P	Pn	03 48 29.9	+0.2
AGG			P	Pn	03 48 29.9	+0.2
AGG	Agios Georgios	2.99 244	P	Pn	03 48 29.9	+0.2
AGG			P	Pn	03 48 29.9	+0.2
BARS	Barje	3.85 311	iPG	Pg	03 49 02.8	+0.8
BARS			iSG	Pg	03 49 02.8	+0.8
ICOR	Ion Corvin	4.03 211	iPG	Pg	03 48 46.0	+0.7
ICOR			iSG	Pg	03 48 46.0	+0.7
ICOR	Ion Corvin	4.03 211	P	Pn	03 48 46.0	+0.7
ICOR			P	Pn	03 48 46.0	









Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes call signs like TGIG, CMIG, OPAM, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes call signs like LTX, TXAR, VBMS, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes call signs like W40A, W41B, W39A, etc.

21d 5h

TKL	comp=Z,29nm,1.0s	22.74	20	eP	P				
TKL	Tuckaleechee C	22.74	20	eP	P	05	37	12.5	-0.4
T34A	McClellan Farm	22.74	352	P	P	05	37	11.9	-1.0
T44A	Benton	22.76	8	P	P	05	37	11.0	-2.0
SDV	Santo Domingo	22.79	102	P	P	05	37	13.3	-0.5
SDV	Santo Domingo	22.79	102	P	LR	05	46	56.6	
SDV	Santo Domingo	22.79	102	P	P	05	37	13.0	-0.8
S40A	Lebanon	23.05	1	P	P	05	37	15.4	-0.6
BNM	Barren Site	23.05	331	eP	P	05	37	17.9	+1.6
S41A	Jilco Farms	23.06	3	P	P	05	37	14.8	-1.4
S38A	Stockton	23.08	359	P	P	05	37	15.3	-1.0
S39A	Bolivar	23.13	360	P	P	05	37	15.7	-1.1
Y22D	IRIS PASCAL I	23.13	330	eP	P	05	37	19.7	+2.7
Y22D	IRIS PASCAL I	23.13	330	eP	P	05	37	19.7	+2.7
LPM	Los Pinos	23.19	331	eP	P	05	37	19.6	+1.9
KMSC	Kings Mountain	23.20	25	eP	P	05	37	17.0	-0.5
S37A	Fort Scott	23.24	357	P	P	05	37	16.8	-1.1
S36A	Lake Cedric, C	23.26	355	P	P	05	37	16.9	-1.2
S35A	Otter Creek Ra	23.29	354	P	P	05	37	16.7	-1.6
S42A	Caledonia	23.31	5	P	P	05	37	16.8	-1.8
S34A	Willow Spring	23.40	352	P	P	05	37	18.4	-1.0
S44A	Carbondale	23.40	8	P	P	05	37	17.7	-1.7
S45A	Carrier Mills	23.48	9	P	P	05	37	18.9	-1.2
LAZ	Ladron	23.50	330	eP	P	05	37	22.9	+2.2
CCM	Cathedral Cave	23.56	4	eP	pmax	05	37	19.0	-1.9
CCM	Cathedral Cave	23.56	4	eP	pmax	05	37	19.0	-1.9
ANMO	Albuquerque	23.63	332	eP	P	05	37	23.4	+1.6
ANMO	Albuquerque	23.63	332	eP	LR	05	47	57.8	
ANMO	Albuquerque	23.63	332	eP	P	05	37	23.2	+1.4
ANMO	Albuquerque	23.63	332	eP	pmax	05	37	23.2	+1.4
ANMO	Albuquerque	23.63	332	eP	pmax	05	37	23.4	+1.6
R38A	Fenwick Farm	23.63	359	P	P	05	37	20.9	-0.7
R40A	Maddies Station	23.74	2	P	P	05	37	21.3	-1.3
R39A	Chumby, Stover	23.75	0	P	P	05	37	21.4	-1.3
R41A	Rosebud	23.79	4	P	P	05	37	21.0	-2.1
R37A	Teagarden Farm	23.79	357	P	P	05	37	21.5	-1.6
R42A	Luebbering	23.81	5	P	P	05	37	21.7	-1.6
R36A	Gordon, Harris	23.85	356	P	P	05	37	22.1	-1.5
R43A	Red Bud	23.89	6	P	P	05	37	22.3	-1.7
R35A	Emporia Munci	23.91	354	P	P	05	37	23.6	-0.6
TUC	Tucson	23.93	321	P	P	05	37	26.3	+1.8
TUC	Tucson	23.93	321	eP	pmax	05	37	26.5	+2.0
TUC	Tucson	23.93	321	eP	pmax	05	37	26.5	+2.0
R44A	Waltonville	23.97	8	P	P	05	37	23.4	-1.2
R34A	Isabella, Hill	24.01	352	P	P	05	37	25.0	0.0
R45A	Skyler, Fairri	24.13	10	P	P	05	37	25.4	-0.7
SLM	Saint Louis	24.22	6	eP	pmax	05	37	26.5	-0.5
SLM	Saint Louis	24.22	6	eP	pmax	05	37	26.5	-0.5
Q37A	Longview Farm	24.34	358	P	P	05	37	27.6	-0.5
Q38A	Cooks Store, C	24.40	359	P	P	05	37	28.3	-0.4
Q35A	Mercer Eighty,	24.42	355	P	P	05	37	28.0	-0.9
WCI	Wyandotte Cave	24.45	13	eP	pmax	05	37	27.8	-1.3
WCI	Wyandotte Cave	24.45	13	eP	pmax	05	37	27.8	-1.3
Q40A	Laux Farm, Aux	24.45	2	P	P	05	37	27.7	-1.4
Q41A	Truxton	24.45	4	P	P	05	37	28.0	-1.1
Q42A	Golden Eagle	24.46	5	P	P	05	37	26.4	-2.8
Q36A	Arnold, C. Orve	24.48	356	P	P	05	37	27.1	-2.2
Q39A	Willow Grove F	24.48	0	P	P	05	37	27.5	-1.8
Q33A	New Douglas	24.57	7	P	P	05	37	28.7	-1.5
Q34A	Chapman	24.58	353	P	P	05	37	29.7	-0.5
OLIL	Olney	24.59	10	eP	P	05	37	30.3	0.0
T25A	Trinidad	24.69	338	P	P	05	37	34.0	+2.5
T25A	Trinidad	24.69	338	eP	P	05	37	33.8	+2.3
KSU1	Kansas State U	24.72	354	P	P	05	37	31.1	-0.5
KSU1	Kansas State U	24.72	354	eP	P	05	37	31.2	-0.3
CNCC	Cliffs of the	24.86	31	P	P	05	37	31.3	-1.5
CBKS	Cedar Bluff	24.93	348	P	P	05	37	32.7	-0.7
CBKS	Cedar Bluff	24.93	348	eP	pmax	05	37	33.9	+0.4
CBKS	Cedar Bluff	24.93	348	eP	pmax	05	37	33.9	+0.4
P39B	Salisbury	24.93	1	P	P	05	37	32.4	-1.0
214A	Organ Pipe Nat	24.98	318	P	P	05	37	35.4	+1.4
P40A	Paris	24.99	2	P	P	05	37	32.6	-1.3
P37A	Lathrop	25.04	358	P	P	05	37	33.9	-0.6
X18A	Snowflake	25.05	326	eP	P	05	37	37.2	+2.4
P38A	Dawn	25.06	359	P	P	05	37	34.0	-0.6
P35A	Duane Minner,	25.09	355	P	P	05	37	34.1	-0.8
Q47A	Bedord North L	25.10	13	P	P	05	37	33.5	-1.5
P42A	Winchester	25.15	5	P	P	05	37	34.4	-1.0
P41A	Barry, Barry	25.18	4	P	P	05	37	34.6	-1.1
P34A	Walnut Farm, R	25.18	353	P	P	05	37	35.9	+0.2
P43A	Skaggs, Pawnee	25.29	7	P	P	05	37	35.9	-0.8

2011 NOV

TKL	comp=Z,29nm,1.0s	25.28	327	P	P				
W18A	Petrified Fore	25.28	327	P	P	05	37	38.6	+0.8
W18A	Petrified Fore	25.28	327	eP	P	05	37	40.3	+2.5
O38A	Galt	25.56	360	P	P	05	37	38.4	-0.7
O40A	La Belle	25.56	2	P	P	05	37	38.1	-1.2
P46A	Rosedale	25.60	11	P	P	05	37	38.2	-1.3
O36A	Bolkow	25.61	357	P	P	05	37	38.9	-0.8
O37A	Wolven Farm, M	25.61	358	P	P	05	37	39.1	-0.6
SDCO	Great Sand Dun	25.62	337	P	P	05	37	41.9	+1.8
SDCO	Great Sand Dun	25.62	337	eP	P	05	37	41.9	+1.8
O41A	Passleys Farm,	25.63	4	P	P	05	37	38.1	-1.7
O39A	Kirksville	25.70	1	P	P	05	37	39.6	-0.8
O42A	Bath	25.78	6	P	P	05	37	40.3	-0.8
O33A	Hebron	25.80	352	P	P	05	37	40.9	-0.4
X16A	Lo Mia Camp, P	25.80	324	eP	P	05	37	44.3	+2.6
O35A	Humboldt	25.81	355	P	P	05	37	41.2	-0.2
KSCO	Kaye Shedlock'	25.82	343	P	P	05	37	42.2	+0.5
KSCO	Kaye Shedlock'	25.82	343	eP	P	05	37	43.1	+1.4
O44A	Mansfield	25.92	8	P	P	05	37	41.2	-1.2
O43A	Sugar Creek Fa	25.95	7	P	P	05	37	42.1	-0.6
ATAH	Atahualpa	26.01	145	LR	LR	05	46	26.3	
113A	Mohawk Valley,	26.12	318	eP	P	05	37	46.4	+2.1
S22A	4UR Ranch, Cre	26.15	335	P	P	05	37	46.9	+2.0
S22A	4UR Ranch, Cre	26.15	335	eP	P	05	37	47.3	+2.4
N37A	Lee Faris, Mou	26.21	358	P	P	05	37	44.0	-1.0
SJG	San Juan	26.21	78	LR	LR	05	47	52.9	
HDIL	Hopedale	26.21	7	P	P	05	37	43.6	-1.5
HDIL	Hopedale	26.21	7	eP	P	05	37	44.0	-1.1
N41A	Harden Midland	26.22	4	P	P	05	37	43.7	-1.5
N38A	Joes South For	26.23	360	P	P	05	37	44.5	-0.7
N36A	Muff Farm, Cla	26.29	357	P	P	05	37	46.0	+0.2
N40A	Mertquake, Sal	26.36	3	P	P	05	37	45.3	-1.1
SFIN	Lafayette	26.36	11	P	P	05	37	45.0	-1.4
N35A	Tabor	26.38	356	P	P	05	37	45.9	-0.7
Y14A	Wenonburg	26.40	321	eP	P	05	37	49.5	+2.5
MVCO	Mesa Verde	26.43	332	eP	P	05	37	49.5	+2.1
MVCO	Mesa Verde	26.43	332	eP	P	05	37	49.4	+2.1
N34A	Lincoln	26.43	354	P	P	05	37	46.1	-0.9
N33A	J Bar K, Exete	26.43	353	P	P	05	37	47.1	+0.1
WUAZ	Wupatki	26.46	325	P	P	05	37	47.6	-0.9
WUAZ	Wupatki	26.56	325	eP	P	05	37	51.4	+2.9
Q24A	Divide	26.58	339	P	P	05	37	48.5	-0.2
N43A	Stutzman Famil	26.61	7	P	P	05	37	47.2	-1.4
M37A	Trindle Farm,	26.65	359	P	P	05	37	49.8	-0.9
M38A	Pleasantville	26.65	0	P	P	05	37	49.5	-1.3
M40A	Post Highland	26.68	3	P	P	05	37	50.1	-1.0
M41A	Milan	26.91	4	P	P	05	37	50.3	-1.0
M36A	Felix, Anita	26.92	357	P	P	05	37	51.0	-0.4
M39A	Webster	26.93	2	P	P	05	37	50.7	-0.8
GLA	Glamis	26.99	317	P	P	05	37	53.6	+1.4
GLA	Glamis	26.99	317	eP	pmax	05	37	54.6	+2.4
GLA	Glamis	26.99	317	eP	pmax	05	37	54.6	+2.4
GLA	Glamis	26.99	317	eP	P	05			

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like F39A, F38A, F40A, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like CHMT, BMO, BMO, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like TIC, LIC, DBIC, etc.

WEL 21 05:34:41.1±0.4,37:645±179:78E,h12km,ML3.5/5.1D, Error ellipse: s-maj=4.0km s-min=3.1km az=0.0,Off east coast of North Island

IDC 21 06:09:01.2±9.5,12:185±166:81E,h290km,109km,mb3.3/4,mb1.3/5,mb1mx3.2/29,mbtm3.9/5, Error ellipse: s-maj=103.1km s-min=31.7km az=158.0,Santa Cruz Islands

MEX 21 06:11:27.4±0.4,15:39N-93:13W,h88km,4km,MD3.8, Near coast of Chiapas

AZER 21 06:26:43.7±1.3,38:78N-43:39E,h11km, Error ellipse: s-maj=13.5km s-min=9.1km az=140.0 DDA 21 06:26:45.5,38:99N-43:70E,h5km,ML3.4 ISK 21 06:26:45.4,38:99N-43:70E,h3km,ML3.4 CSEM 21 06:26:46.0±0.2,38:99N-43:70E,h2km,ML3.4, Error ellipse: s-maj=5.1km s-min=4.0km az=130.0 ATA 21 06:26:46.7±0.7,39:02N-43:70E,h15km,62km,MD4.0, ML3.9, MVV3.9 ISK 21 06:26:46.2±1.0,39:00N-02:43:70E,0.02,h4km,8km,



Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like KURBB Kurchatov Arra, PYUN Piuthan, KOLN Koldanda, etc.

ISC/JB 21 07:14:18.3:0.6:29.12N:0.05:138.9E:0.1, h423km, mb3.5/6, Error ellipse: s-maj=13.6km s-min=6.1km az=168.5

JMA 21 07:14:20.1:0.1:29.23N:139.61E, h448km, M3.8, IDC 21 07:14:21.1:0.1:29.21N:138.27E, h426km, 2.9km, mb3.2/6, mb1.3/3.9, mb1mx2.9/4.5, mbtmp4.0/9, Error ellipse: s-maj=58.0km s-min=14.5km az=76.0

ISC 21 07:14:19.0:0.8:29.16N:0.07:139.0E:0.1, h423km, n19, s=186/21, mb3.6/6, Southeast of Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like CBIJ Chichi jima, JHHJ Haha-jima-NKT, JHJ2 Mitsune, etc.

IDC 21 07:16:48.8:1.2:29.94S:179.32W, h330km, 12km, mb3.3/3, mb1.3/5.4, mb1mx3.2/2.8, mbtmp4.1/4, Error ellipse: s-maj=31.5km s-min=2.4km az=158.0, Kermadec Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like RAO Raoul Island, URZ Urewera, STKA Stephens Creek, etc.

IDC 21 07:20:24.9:1.7:5.15N:126.54E, h307km, mb3.9/7, mb1.3/9.7, mb1mx3.6/4.8, mbtmp3.9/7, Error ellipse: s-maj=185.2km s-min=17.7km az=65.0, Mindanao

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, etc.

ISC 21 07:23:09.0:38.69N:43.25E, h21km, ML2.4, ISC/JB 21 07:23:10.9:0.5:38.70N:0.03:43.21E:0.04, h1km, gkm, Error ellipse: s-maj=5.4km s-min=4.3km az=179.8

CSEM 21 07:23:10.4:0.2:38.70N:43.22E, h6km, ML2.6, Error ellipse: s-maj=5.0km s-min=4.2km az=104.0

DDA 21 07:23:10.7:38.70N:43.22E, h7km, ML2.6, IDC 21 07:23:10.6:1.0:38.70N:0.02:43.21E:0.03, h10km, gkm, n24, c971/40, Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like VANB Van, TVAN Van, TVAN Van, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like VMUR Van-Muradiye, CLDR Caldiran, TUTA Tutak, etc.

KRSC 21 08:03:31.3:10.0:52.68N:159.80E, h43km, 10km, ML3.7, Off east coast of Kamohatka Peninsula

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like SPN Mya Shipunski, NLC Nalytchevo, DALK Dalk, etc.

ISK 21 08:07:11.7:39.10N:27.60E, h2km, MD2.7, ISC/JB 21 08:07:12.2:0.7:39.10N:0.05:27.58E:0.05, h0km, Error ellipse: s-maj=7.6km s-min=5.1km az=33.2

CSEM 21 08:07:12.5:0.2:39.09N:0.06:27.59E, h2km, ML2.2, Error ellipse: s-maj=7.0km s-min=4.9km az=24.0, Suspected Mining explosion.

DDA 21 08:07:12.1:39.11N:27.59E, h7km, ML2.2, Suspected Mining explosion.

ISC 21 08:12:5.0:9.3907N:0.04:27.62E:0.03, h0km, n16, c115/24, Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like AKHS Akhisar, STEP BALKESIR\_Sava, MANT Manisa, etc.

NIED 21 08:09:00.38:90N:142.70E, h32km, Mw3.6, Best double couple: M3.14000:0.104 NP1:336.00000:0.830.00000:0.162.00000: NP2:190.10000:0.864.00000:0.105.00000:0.1

ISC/JB 21 08:09:23.7:1.5:38.86N:0.06:142.6E:0.2, h55km, 17km, mb3.6/3, Error ellipse: s-maj=22.1km s-min=6.7km az=20.0

JMA 21 08:09:23.2:0.1:38.87N:142.68E, h37km, 2km, M3.7, IDC 21 08:09:28.4:7.2:38.95N:142.28E, h88km, 84km, mb3.1/3, mb1.3/3.5, mb1mx3.1/3.0, mbtmp3.4/5, ML3.0/2, Error ellipse: s-maj=160.7km s-min=16.4km az=112.0

ISC 21 08:09:25.0:2.3:38.85N:0.06:142.6E:0.2, h47km, 27km, n15, c97/21, mb3.5/3, Near east coast of eastern

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like OFUJ Ofunato, MIYK Miyakonogasawa, JIO Ouri, etc.

IDC 21 08:23:21.1:5.6:10N:126.47E, h0km, mb3.5/5, mb1.3/7.5, mb1mx3.5/2.7, mbtmp3.5/5, Error ellipse: s-maj=110.9km s-min=23.8km az=68.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like MATI Mati, DMPH Davao City-Mi, BUKP Musuan, etc.

ATA 21 08:30:38.3:0.4:38.76N:43.59E, h6km, 22km, ML3.4, MW3.3

ISK 21 08:40:40.4:38.75N:43.48E, h8km, MD2.8, ML2.7, DDA 21 08:40:40.3:38.74N:43.55E, h7km, MD2.7, CSEM 21 08:40:40.2:38.75N:43.54E, h5km, MD2.8, Error ellipse: s-maj=5.5km s-min=4.1km az=96.0

ISC 21 08:40:41.0:0.8:38.75N:0.02:43.51E:0.02, h17km, 7km, n36, c106/65, Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like VANB Van, TVAN Van, VMUR Van-Muradiye, etc.

ISC 21 08:50:15.3:2.73S:99.43E, h23km, mb4.7/15, mb5.0/14, Ms4.7/6, Ms7.4/4.5

IDC 21 08:50:17.5:0.6:2.42S:99.38E, h0km, mb4.4/24, mb1.4/5.2, mb1mx3.6/4.2, mbtmp4.4/24, MS3.6/5, Ms1.3/7.5, mb1mx3.3/3.2, Error ellipse: s-maj=20.7km s-min=12.1km az=50.0

MOS 21 08:50:20.8:1.2:2.17S:99.35E, h33km, mb4.8/13, Error ellipse: s-maj=13.3km s-min=7.2km az=107.4

ISC/JB 21 08:50:20.6:0.3:2.25S:0.04:99.29E:0.04, h33km, mb4.6/46, MS3.8/7, Error ellipse: s-maj=6.9km s-min=3.7km az=136.9

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like TUTA Tutak, AGRB Hanur-Agry, AGRB Hanur-Agry, etc.

NEIC 21 08:50:22.8:0.3:2.25S:99.41E, h35km, mb4.7/13, Error ellipse: s-maj=9.0km s-min=4.8km az=53.0

DJA 21 08:50:23.6:0.7:2.3:9.9E, h29km, gkm, M4.6/11, mb5.2/24, M4.6/11, ML4.6/6, M4.6/6, Error ellipse: s-maj=11.1km s-min=6.0km az=107.4

ISC 21 08:50:21.2:1.5:2.25S:0.06:99.30E:0.07, h23km, 10km, n16, c139/120, mb4.6/46, MS3.7/7, 6C-2D, Southern Sumatra

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like OFUJ Ofunato, MIYK Miyakonogasawa, JIO Ouri, etc.



21d 9h

Table with columns: MYLDM, Lahad Datu, 20.56 69 eP, P, 08 54 58.7 +0.2, etc. Lists various stations and their coordinates.

2011 NOV

Table with columns: GEYT, Alibeck, 55.19 321 P, P, 08 59 52.0 -0.3, etc. Lists various stations and their coordinates.

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Table with columns: ARAO, baz=162,slow=18, Sn, Sn, 09 02 12.3 -3.3, etc. Lists various stations and their coordinates.

MEX 21 09:02:36.8:0.8, 16:99N x 100:10W, h5km, MD3.9, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like CAIG, El Cayaco, etc.

ISCJB 21 09:07:10.0:1.0, 32:20N:0:02:115:18W:0:03, h26km,3km, Error ellipse: s-maj=4.4km s-min=3.8km az=140.7

California border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like MBIG, Mexicali, etc.

HEL 21 08:59:56.3:0.1, 64:64N:30:61E, h0km, ML1.8, Explosion

BER 21 08:59:57.0:4.3, 64:72N:30:68E, h0km, ML2.2(NAO), Suspected explosion

ICD 21 08:59:58.0:3.2, 64:70N:30:95E, h0km, mb1 3.0/3, mb1mx2.9/35, mb1mp2 8/3, ML2.5/3, Error ellipse: s-maj=50.5km s-min=10.7km az=98.0

NAO 21 08:59:58.4:1.9, 64:71N:30:05E, ML2.2

ISC 21 08:59:54.3:1.2, 64:74N:0:03:31.04E:0:08, h0km, n26, e204/42, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like KU6, Riekki, etc.

CSEM 21 09:08:47.9:0.2, 38:64N:43:25E, h10km, ML2.6, Error ellipse: s-maj=6.8km s-min=4.1km az=56.0

DDA 21 09:08:47.4, 38:64N:43:20E, h7km, ML3.0

ISK 21 09:08:47.7, 38:66N:43:28E, h8km, ML2.6

ISCJB 21 09:08:48.0:0.5, 38:66N:0:04:43:23E:0.06, h10km,5km, Error ellipse: s-maj=9.3km s-min=4.2km az=148.9

ISC 21 09:08:48.3:0.8, 38:63N:0:03:43:22E:0.04, h15km,6km, n24, e081/36, 2D, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like VANB, Van, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TVAN, GEVA, ADCV, etc.

IDC 21 09:15:20.9:3.4, 19.615:67.11E, h0km, mb3.7/5, mb1 3.8/5, mb1mx3.5/37, mbtmp3.7/5, Error ellipse: s-maj=127.0km s-min=31.6km az=45.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like H0S1, H0S2, H0S3, etc.

IDC 21 09:18:21.0:1.3, 20.133:66.46E, h0km, mb3.8/7, mb1 3.9/7, mb1mx3.7/36, mbtmp3.8/7, MS3.9/26, Ms1 3.9/26, ms1mx3.8/53, Error ellipse: s-maj=52.6km s-min=22.8km az=29.0, Mauritius-Reunion region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like H0S1, H0S2, H0S3, etc.

MAN 21 09:30:36.8:50N-125.67E, h64km, mb4.5, ML3.4, MS3.3, 2C-4D, Mindanao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BUTP, BIPH, BIFP, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DMPH, KCP, MSLP, etc.

IDC 21 09:24:31.6:12.0, 32.10S-59.12E, h0km, mb3.6/2, mb1 3.8/2, mb1mx3.4/30, mbtmp3.6/2, Error ellipse: s-maj=813.5km s-min=53.4km az=31.0, Southwest Indian Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like H0W1, H0W3, H0W1, etc.

IDC 21 09:25:29.8:0.5, 14.60N:0.05-92.69W, 0.04, h78km, 6km, mb3.9/9, Error ellipse: s-maj=10.2km s-min=3.0km az=35.6

CASC 21 09:25:30.9:1.2, 14.77N:92.55W, h99km, 33km, ML4.3, IDC 21 09:25:30.0:2.4, 14.57N:92.58W, h63km, 24km, mb3.7/9, mb1 3.9/10, mb1mx3.6/35, mbtmp4.0/10, ML3.9/1, MS3.0/9, Ms1 3.1/9, ms1mx2.9/38, Error ellipse: s-maj=41.5km s-min=13.3km az=48.0

MEX 21 09:25:31.4:0.5, 14.54N:92.64W, h52km, 12km, MD4.2, NEIC 21 09:25:32.0:3.0, 14.59N:92.71W, h24km, MD4.2 (MEX), After MEX

IDC 21 09:25:30.4:1.1, 14.60N:0.07-92.70W, 0.06, h71km, 12km, n57, c1617/3, mb4.0/9, Near coast of Chiapas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PCIG, PCIG, CCIG, etc.

JMA 21 09:35:36.2:0.1, 38.72N:144.16E, h36km, M3.5, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like HUIG, HUIG, HUIG, etc.

ESTN Estel 6.32 103 eP Pn 09 27 02.1 +0.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like GUYC, GUYC, PAMC, etc.

TKL comp=Z,35nm,21.7s,baz=333,slo=36 09 30 23.3 -0.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LPAZ, LPAZ, SIV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ILAR, NORA, NMAA, etc.

ISCJB 21 09:31:19.6:0.8, 2.20S:0.08-99.37E, 0.10, h30km, mb4.3/10, MS3.7/2, Error ellipse: s-maj=17.3km s-min=5.6km az=143.9

IDC 21 09:31:22.0:1.1, 2.15S:99.56E, h28km, 3km, mb4.1/11, mb1 4.2/11, mb1mx3.9/38, mbtmp4.3/11, MS3.7/2, Ms1 3.7/2, ms1mx2.9/43, Error ellipse: s-maj=38.5km s-min=13.0km az=60.0

DJA 21 09:31:21.7:1.1, 2.57S:99.9E, h30km, 10km, M4.3/7, ML4.3/7

ISC 21 09:31:21.8:0.7, 2.08S:0.08-99.49E, 0.08, h30km, n26, c0959/28, mb4.3/10, Southern Sumatra

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SISI, PDSI, PPSI, etc.

JMA 21 09:35:36.2:0.1, 38.72N:144.16E, h36km, M3.5, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like OFUJ, MIYJ, JMK, etc.

ISCJB 21 09:37:56.3:0.3, 46.49N:0.02-143.43E, 0.02, h1km, 7km, Error ellipse: s-maj=2.8km s-min=2.5km az=11.7

VIE 21 09:37:56.3:0.2, 46.50N:14.44E, h9km, 3km, mb1.4/5, ML2.0/7, Error ellipse: s-maj=2.1km s-min=1.2km az=173.0

CSEM 21 09:37:56.7:0.1, 46.49N:14.43E, h2km, ML2.5/22, LJO 21 09:37:56.2:0.4, 46.51N:14.42E, h1km, Md2.3/3, MI1.8/3, RCU 21 09:37:56.9:0.4, 46.51N:14.42E, h1km, Md2.3/3, MI1.8/3, Error ellipse: s-maj=2km s-min=3.1km az=72.0

ISC 21 09:37:56.0:0.8, 46.49N:0.02-143.43E, 0.02, h12km, 6km, n48, c075/93, 2D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like OBKA, MOZS, MOZS, etc.

21d 9h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various data points for stations like BISS, CADS, GBSAS, MYKA, etc.

ISCJB 21 09:38:25.2, 1.0, 2.13S:0.07:99.29E:0.07, h30km, mb3.8/5, MS3.3/1, Error ellipse: s-maj=13.0km

ICD 21 09:38:26.9, 3.9, 2.16S:99.64E, h31km, 6km, mb3.7/5, mb1.3/7.5, mb1mx3.4/56, mbmtmp3.8/5, MS3.5/1, M51 3.5/1, ms1mx2.7/36, Error ellipse: s-maj=167.0km s-min=19.8km

DJA 21 09:38:27.7, 0.8, 2.5S:5.99E, h19km, 6km, M3.5/5, MLV3.5/5

ISC 21 09:38:26.1, 1.0, 2.01S:0.08:99.36E:0.08, h30km, n18, z=206/15, mb3.9/5, Southern Sumatara

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various data points for stations like SISI, PDSI, PBI, etc.

NEIC 21 09:39:03.4, 0.0, 38.54N:119.52W, h0km, MW3.5(BRK), After NCECD. NEIC Felt [III] at Coleville. Also felt at Arnold, Camino, Murphys, South Lake Tahoe and Vallecito.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various data points for stations like WAKR, YERR, PNR, etc.

CASC 21 09:39:27.6, 1.2, 12.66N:88.34W, h53km, 4.2km, MD3.8, ML3.7, Off coast of central America

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various data points for stations like LCY, VSM, CNCH, etc.

WAR 21 09:42:45.2, 51.44N:16.16E, h1km, Mw2.5

ISC 21 09:42:45.9, 1.8, 51.39N:0.08:16.17E:0.05, h0km, n13, z=673/26, Poland

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various data points for stations like KSP, UPIC, DPC, etc.

1200

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various data points for stations like CLL, OKC, NKC, etc.

NIED 21 09:48:00.37:80N:142.20E, h38km, Mw4.5 Best double couple: M7.17000:1015 NP1:~223.00000, 842.00000, -1.86.00000, NP2:~38.00000, 848.00000, -1.94.00000

ICD 21 09:48:20.6:0.5, 37.81N:142.23E, h0km, mb4.4/30, mb1.4.5/33, mb1mx4.4/51, mbtmp4.4/33, ML4.1/3, MS2.9/4, Ms1.2.9/4, ms1mx2.6/40, Error ellipse: s-maj=15.0km s-min=1.6km az=95.0

Bull 21 09:48:23.9, 37.58N:142.40E, h43km, mb4.7/46, mb5.0/28, Ms4.6/17, Ms7.4/3/17

JMA 21 09:48:24.6:0.2, 37.81N:142.16E, h37km, 3km, M4.4

ISCJB 21 09:48:24.8:0.5, 37.83N:0.03:142.21E:0.04, h36km, 4km, mb4.5/80, MS3.6/6, Error ellipse: s-maj=5.7km s-min=3.8km az=35.6

MOS 21 09:48:25.2:1.0, 37.87N:142.22E, h39km, mb4.7/47, Error ellipse: s-maj=8.2km s-min=5.8km az=102.4

NEIC 21 09:48:27.9:0.5, 37.82N:142.19E, h48km, 4km, mb4.7/35, Error ellipse: s-maj=4.8km s-min=3.5km az=124.0

NEIC Recorded [2 JMA] in Miyagi. ISC 21 09:48:26.4:0.4, 37.83N:0.04:142.23E:0.05, h35km, 2km, n204, z1540/224, mb4.5/80, MS3.8/6, 10C, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various data points for stations like JIO, JMM, JJK, etc.

ASAJ 34nm, 0.3s, baz=90, slow=20, SNR=2.7

ASAJ 6.6nm, 0.3s, baz=204, slow=17, SNR=36

ASAJ 3.6nm, 0.3s, baz=336, slow=20, SNR=2.8

ASAJ 3.6nm, 0.3s, baz=336, slow=20, SNR=2.8

ASAJ 6.29 2.2 ePn Sn 09 49 55.7 -0.8

ASAJ 6.29 2.2 ePn Sn 09 49 56.7 +0.2

ASAJ 6.29 2.2 ePn Sn 09 49 56.8 -0.2

ASAJ 6.29 2.2 ePn Sn 09 49 57.0 -1.0

ASAJ 6.29 2.2 ePn Sn 09 49 57.2 -0.1

ASAJ 6.29 2.2 ePn Sn 09 49 57.4 -1.0

ASAJ 6.29 2.2 ePn Sn 09 49 57.6 -0.8

ASAJ 6.29 2.2 ePn Sn 09 49 57.8 -0.8

ASAJ 6.29 2.2 ePn Sn 09 49 58.0 -0.9

ASAJ 6.29 2.2 ePn Sn 09 49 58.2 -0.8

ASAJ 6.29 2.2 ePn Sn 09 49 58.4 -0.9

ASAJ 6.29 2.2 ePn Sn 09 49 58.6 -0.8

ASAJ 6.29 2.2 ePn Sn 09 49 58.8 -0.9

ASAJ 6.29 2.2 ePn Sn 09 49 59.0 -0.8

ASAJ 6.29 2.2 ePn Sn 09 49 59.2 -0.9

ASAJ 6.29 2.2 ePn Sn 09 49 59.4 -0.8

ASAJ 6.29 2.2 ePn Sn 09 49 59.6 -0.9

ASAJ 6.29 2.2 ePn Sn 09 49 59.8 -0.8

ASAJ 6.29 2.2 ePn Sn 09 49 60.0 -0.9

ASAJ 6.29 2.2 ePn Sn 09 49 60.2 -0.8

1201

Table with columns for station name, frequency, power, and other technical details. Includes stations like YAK, SEY, SONA, H112, H113, ENH, H11S1, H11S3, LZH, CD2, GTA, BILL, TIXI, DGZ, WMQ, WMU, WMV, ZAAO, ZAA1, ZAA2, ZALV, ZALV, CMAR, LUWI, MK01, MK31, MK32, MKAR, KURK, KURK, KURK, TOLK, JIRN, RAMN, GUN, MDM, COLA, KKN, IL1, ILAR, ILB, PAX, PAX, KOLN, PYUN, BRVK, BRVK, KSH, KSH, KSH.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like KSH, AAK, MNAS, KK31, KKAR, INK, DZET, ARU, FITZ, AB31, WRAB, WRB2, WR1, WRA, WRA, AKTO, AKTO, AS01, ASAR, YKA, YKA, YKB5, ARAO, ARCS, GEYT, OBN, OBN, OBN, FIAO, FIAO, FINE, FINE, NEW, NEW, STKA, STKA, STKA, KIV, KIV, KBZ, J08A, GNI, GNI, HFS, NB2, NB200, NOA, NOA, AKASG, AKASG, AKBB, AKBB, AKBB, KIEV, KIEV, KIEV, H17A, IMW, FXWY, DUG, DUG, DUG.

21d 9h

Table with columns for station name, frequency, power, and other technical details. Includes stations like PD31, PDAR, PDAR, MPU, P17A, BUR08, BUR04, SRU, SRU, SRU, ULM, ULM, BR101, BR21, BR23, PV05, MORC, MORC, MORC, MORC, DPC, DPC, CLL, CLL, KHC, KHC, KHC, KHC, GERES, GERES, GEA0, GEA0, ANKO, ANKO, ANMO, ANMO, BFO, BFO, IDI, IDI, LTX, LTX, TX31, TX31, TOA1, TOA1, LPAZ, LPAZ.



1203

QZH	comp=Z,5µm,11.6s	LR	LR				
WHN	Wuhan	16.19 260	↑P	P	10 20 19.8	-0.9	
WHN			S	S	10 23 28.1	-1.8	
WHN	comp=Z,13µm,12.3s		LR	LR			
WHN	comp=Z,4µm,12.2s		LR	LR			
TIY	Taiyuan	16.75 286	eP	P	10 20 29.8	+2.9	
TIY	comp=Z,30nm,0.7s		pmax	pmax			
TIY	comp=Z,310nm,3.6s		LR	LR			
TIY	comp=Z,2µm,9.4s		LR	LR			
TIY	comp=Z,300nm,4.1s		LR	LR			
HIA	Hailar	17.36 330	eP	Pn	10 20 31.6	-0.7	
HIA	comp=Z,21nm,1.0s		pmax	pmax			
HIA	Hailar	17.36 330	ePn	Pn	10 20 32.6	+0.3	
HIA	comp=Z,34nm,1.0s						
TYV	Tymovskoe	17.50 21	eP	P	10 20 37.6	+2.6	
TYV	comp=Z,60nm,1.4s		pmax	pmax			
HHC	Hu-ho-hao-te	17.86 296	P	Pn	10 20 30.0	-8.6	
HHC			sP	S	10 21 00.8	+1.5	
HHC			S	S	10 23 37.9	-2.0	
HHC	comp=Z,680nm,4.1s		pmax	pmax			
HHC	comp=Z,26nm,0.8s						
BTO	Baotou	18.96 294	eP	Pn	10 20 53.8	+1.8	
XAN	Xi'an	19.79 275	eP	Pn	10 21 01.9	0.0	
XAN			sP	S	10 21 08.4	+2.0	
XAN			PP	Pn	10 21 23.1	+7.4	
XAN			S	S	10 24 46.4	+2.4	
XAN	comp=Z,49nm,1.5s		pmax	pmax			
XAN	comp=Z,280nm,7.8s		LR	LR			
XAN	comp=Z,1µm,10.4s		LR	LR			
XAN	comp=Z,1µm,10.3s		LR	LR			
ENH	Enshi	20.24 264	eP	Pn	10 21 06.5	-0.8	
ENH	comp=Z,56nm,0.9s		pmax	pmax			
CLNS	Chul'man	22.65 349	eP	P	10 21 29.2	-1.8	
CLNS	comp=N,14nm,1.2s		pmax	pmax			
CLNS	comp=Z,16nm,1.0s		pmax	pmax			
CLNS	comp=E,10.0nm,1.2s		MLR	MLR			
CLNS	comp=N,456nm,11.0s		MLR	MLR			
CLNS	comp=Z,719nm,14.0s		MLR	MLR			
SKR	Severo-Kuril's	23.11 40	eP	P	10 21 31.1	-4.7	
ULN	Ulanbaatar	23.22 312	eP	P	10 21 37.8	+0.6	
ULN	comp=Z,33nm,0.6s		pmax	pmax			
ULN	Ulanbaatar	23.22 312	eP	P	10 21 37.8	+0.6	
ULN	comp=Z,33nm,0.6s		pmax	pmax			
ULN	Tagaytay City	23.31 211	ePcP	PcP	10 25 24.2	-0.6	
ULN	comp=Z,370nm,22.0s		LR	LR	10 30 48.1		
SONAO	Songino Array	23.62 311	eP	P	10 21 40.2	-0.9	
SONA1	Songino Array	23.62 311	eP	P	10 21 40.5	-0.5	
SONM	Songino Array	23.62 311	eP	P	10 21 40.2	-0.9	
SONM	comp=Z,20nm,0.9s		baz=121,slow=9.1,SNR=44				
SONM	LR				10 30 31.1		
LZH	Lanzhou	23.66 281	eP	P	10 21 40.8	-0.8	
LZH			pP	P	10 21 45.0	-1.0	
LZH			sP	S	10 21 48.5	+0.6	
LZH			PP	Pn	10 22 12.1	+3.3	
LZH			S	S	10 25 54.0	-2.0	
LZH			sS	S	10 26 06.0	+2.6	
LZH	comp=Z,67nm,1.4s		pmax	pmax			
LZH	comp=Z,410nm,5.2s		LR	LR			
LZH	comp=Z,2µm,11.7s		LR	LR			
LZH	comp=Z,2µm,11.2s		LR	LR			
LZH	comp=Z,2µm,13.0s		LR	LR			
GUMO	Guam	23.78 150	LR	LR	10 27 49.1		
GUMO	comp=Z,448nm,21.8s		baz=306,slow=58				
GUA	Guiyang	24.02 257	↑P	P	10 21 44.5	-0.6	
GUA			PP	Pn	10 22 18.3	+4.5	
GUA			PcP	P	10 25 28.9	+2.1	
GUA			S	S	10 25 57.6	-4.2	
GUA	comp=Z,20nm,0.8s		pmax	pmax			
GUA	comp=Z,120nm,5.0s		LR	LR			
GUA	comp=Z,580nm,16.7s		LR	LR			
GUA	comp=Z,560nm,16.0s		LR	LR			
GUA	comp=Z,520nm,17.4s		LR	LR			
CD2	Chengdu	24.75 269	P	P	10 21 49.8	-1.8	
CD2	comp=Z,26nm,0.5s		pmax	pmax			
CD2	Chengdu	24.75 269	P	P	10 21 52.0	+0.4	
CD2			sP	S	10 21 56.9	-1.0	
CD2			eP	Pn	10 22 30.1	+6.5	
CD2			PcP	P	10 25 29.3	+1.1	
CD2			S	S	10 26 14.1	+0.8	
CD2			sS	S	10 26 19.6	-1.1	
CD2	comp=Z,80nm,1.4s		pmax	pmax			
CD2	comp=Z,290nm,5.3s		LR	LR			
CD2	comp=Z,5µm,12.6s		LR	LR			
CD2	comp=Z,3µm,14.4s		LR	LR			
PETK	Petropavlovsk	25.32 36	P	P	10 21 59.9	+3.4	
PETK	comp=Z,7.2nm,0.8s		baz=200,slow=12,SNR=3.5				
PETK	LR				10 32 42.2		
PEA1	Petropavlovsk	25.32 36	eP	P	10 21 59.9	+3.4	
QIZ	Qiongzhong	25.81 238	eP	P	10 22 01.8	+0.6	
QIZ			S	S	10 26 31.9	+1.6	
QIZ	comp=Z,42nm,1.4s		LR	LR			
QIZ	comp=Z,2µm,18.0s		LR	LR			
QIZ	comp=Z,2µm,15.9s		LR	LR			
QIZ	comp=Z,1µm,12.9s		LR	LR			
BOD	Bodaibo	26.24 337	eP	P	10 22 04.1	-0.7	
BOD	comp=Z,24nm,1.1s		pmax	pmax			
ZAK	Zakamensk	26.53 315	eP	P	10 22 06.1	-1.5	
ZAK	comp=Z,15nm,1.3s		pmax	pmax			
GTA	Gaotai	26.68 290	eP	P	10 22 11.3	+2.2	
GTA			pP	S	10 22 15.4	-0.1	
GTA			sP	P	10 22 18.3	+4.7	
GTA			S	S	10 26 48.3	+4.3	
GTA			sS	S	10 26 54.5	+3.1	
GTA	comp=Z,10.0nm,1.0s		pmax	pmax			
GTA	comp=Z,85nm,4.5s		LR	LR			
GTA	comp=Z,2µm,14.3s		LR	LR			
GTA	comp=Z,1µm,13.8s		LR	LR			

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TLY	comp=Z,2µm,12.8s						
Talya	26.89 318	P	P	10 22 11.0	+0.2		
Talya	comp=Z,3.5nm,0.5s	baz=120,slow=11,SNR=3.9					
TLY	Talya	26.89 318	eS	P	10 22 11.9	+1.1	
TLY			eS	P	10 26 49.7	+2.8	
TLY	comp=Z,12nm,0.7s		pmax	pmax			
TLY	comp=Z,599nm,12.0s		MLR	MLR			
YAK	Yakutsk	27.28 357	LR	LR	10 32 16.8		
YAK	comp=Z,472nm,19.4s	baz=108,slow=35					
YAK	Yakutsk	27.28 357	eP	P	10 22 12.5	-1.6	
YAK			e'PP	S	10 22 24.4	+4.0	
YAK			e	S	10 22 55.6		
YAK			e	S	10 26 35.4		
YAK			eS	S	10 26 47.3	-5.3	
YAK			e		10 33 02.2		
YAK	comp=E,7.0nm,1.4s		pmax	pmax			
YAK	comp=Z,24nm,1.3s		pmax	pmax			
YAK	comp=N,15nm,1.4s		pmax	pmax			
YAK	comp=Z,257nm,3.3s		pmax	pmax			
YAK	comp=E,239nm,3.0s		pmax	pmax			
YAK	comp=E,574nm,4.4s		smax	smax			
YAK	comp=N,235nm,3.3s		smax	smax			
YAK	comp=Z,286nm,17.0s		MLR	MLR			
YAK	comp=Z,270nm,15.0s		MLR	MLR			
MA2	Magadan	27.37 20	LR	LR	10 33 37.7		
MA2	comp=Z,345nm,19.3s	baz=283,slow=38					
KMI	Kumming	27.77 258	P	P	10 22 21.3	+2.1	
KMI			pP	S	10 22 29.9	+4.4	
KMI			S	S	10 27 08.8	+7.1	
KMI			pmax	pmax			
KMI	comp=E,13nm,1.0s		pmax	pmax			
KMI	comp=E,74nm,4.7s		LR	LR			
KMI	comp=E,3µm,14.5s		LR	LR			
KMI	comp=E,1µm,15.9s		LR	LR			
KMI	comp=E,3µm,12.6s		LR	LR			
SEY	Seymchan	30.62 17	P	P	10 22 42.6	-1.2	
SEY	comp=E,1.1nm,0.6s	baz=323,slow=15,SNR=2.4					
MYLDM	Lahad Datu	32.39 208	eP	P	10 23 00.1	+0.3	
MYLDM	comp=Z,60nm,1.3s		pmax	pmax			
CMAR	Chiang Mai Arr	34.26 250	P	P	10 23 16.6	+0.5	
CMAR	comp=E,1.4nm,0.3s	baz=40,slow=7.1,SNR=9.9					
CMAR	Chiang Mai Arr	34.26 250	P	P	10 23 16.6	+0.5	
CMAR	comp=Z,2.0nm,0.5s		pmax	pmax			
CMAR	comp=Z,510nm,18.9s		MLR	MLR			
WMQ	Urumqi	35.71 298	P	P	10 23 29.1	+0.5	
WMQ			pP	S	10 23 32.8	-2.1	
WMQ			sP	S	10 23 37.8	+4.7	
WMQ			S	S	10 29 01.8	-3.1	
WMQ			sS	S	10 29 18.5	+6.2	
WMQ			ScS	S	10 33 47.4	+0.4	
WMQ	comp=Z,29nm,0.9s		pmax	pmax			
WMQ	comp=Z,220nm,5.5s		pmax	pmax			
WMQ	comp=Z,2µm,15.5s		LR	LR			
WMQ	comp=Z,1µm,14.7s		LR	LR			
WMQ	comp=Z,1µm,14.7s		LR	LR			
DMZ	comp=Z,960nm,22.1s		LR	LR			
DGZ	Jazzart, Alta	36.18 308	eP	P	10 23 31.4	-1.2	
DGZ	comp=Z,4.0nm,1.4s		pmax	pmax			
TIXI	Tiksi	36.92 358	P	P	10 23 35.8	-2.6	
TIXI	comp=Z,8.6nm,1.1s	baz=146,slow=7.8,SNR=8.8					
TIXI	Tiksi	36.92 358	eP	P	10 23 36.7	-1.7	
TIXI			pmax	pmax			
TIXI	comp=Z,11nm,1.0s		pmax	pmax			
TIXI	Tiksi	36.92 358	eP	P	10 23 35.8	-2.6	
TIXI			eP	P			







21d 14h

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like GLHS Gihisar, FETY Fethiye, AKAS Gohisar, etc.

NIED 21 12:46:00.37,80N,144.00E,h5km,Mw3.9 Best double couple: M=8.940000,-104.00E,NP1.38,000000,820.000000,-1.92.000000,NP2.38,190.000000,870.000000,-1.89.000000

ICC 21 12:46:25.6,0.9,37.56N,144.28E,h0km,mb4.0/8, mb1 4.2/12,mb1mx3.9/51,mbtmp4.0/12,ML3.6/4,MS3.0/4, Ms1 3.1/4,ms1mx2.8/51,Error ellipse: s-maj=21.7km s-min=18.5km az=96.0

ISCJB 21 12:46:28.0,6.3,37.75N,144.08E,0.05,h33km, mb4.0/9,MS3.3/2,Error ellipse: s-maj=5.9km s-min=4.8km az=36.9

JMA 21 12:46:29.2,0.2,37.76N,144.05E,h48km,M4.0 NEIC 12:46:30.7,0.7,37.52N,144.19E,h35km,mb4.6/1,Error ellipse: s-maj=13.7km s-min=11.5km az=134.0

ISC 21 12:46:30.9,0.9,37.77N,144.12E,0.07,h35km,n29, s194/44,mb4.0/9,Off east coast of Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like JIO Ouri, OFUJ Ofunato, JMK Ichinoseki, etc.

MEX 21 12:48:51.9,0.6,14.36N,93.27W,h16km±11km,MD3.9, Near coast of Chiapas

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like PCIG Comitan, CCIG Comitan, TGIG Comitan, etc.

ISCJB 21 12:49:39.0,9.0,39.20N,102.66E,0.05,h8km,8km, Error ellipse: s-maj=6.6km s-min=4.3km az=24.7

CSEM 21 12:49:39.0,2.3,39.19N,126.64E,h8km,ML1.9,Error ellipse: s-maj=3.8km s-min=3.0km az=103.0

ATH 21 12:49:38.5,39.20N,102.66E,h20km,3km,ML1.9/2,Error ellipse: s-maj=5.1km s-min=1.2km az=280.0

DDA 21 12:49:38.4,39.18N,126.61E,h7km,Mi2.9

ISC 21 12:49:38.6,1.2,39.19N,102.66E,0.03,h9km±12km, n19,0.52/36,Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like PRK Paraskevi, etc.

2011 NOV

Table with columns: PRK, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like CANAKKALE\_Bayr, BALIKESIR\_Sava, CHIOS island, etc.

ICC 21 12:56:47.2,1.2,29.22S,176.11W,h0km,mb4.2/5, mb1 4.3/5,mb1mx4.0/23,mbtmp4.1/5,MS3.2/3,M51 3.2/3, ms1mx2.8/28,Error ellipse: s-maj=53.2km s-min=23.1km az=174.0

NEIC 21 12:56:52.1,1.0,29.60S,176.16W,h35km,mb4.1/1,Error ellipse: s-maj=22.4km s-min=20.2km az=155.0

ISC 21 12:56:51.3,1.2,29.55S,176.20W,0.1,h28km,n13, s192/12,mb4.2/6,Kermadec Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like RAO Raoul Island, URZ Urewera, DZM Mont Dzumac, etc.

MEX 21 13:05:55.7,0.4,14.49N,93.33W,h7km±30km,MD3.8, Near coast of Chiapas

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like PCIG Comitan, CCIG Comitan, TGIG Comitan, etc.

ICC 21 13:09:38.2,0.9,0.98S,126.88E,h0km,mb4.1/6, mb1 4.2/7,mb1mx3.8/42,mbtmp4.1/7,ML3.6/1,Error ellipse: s-maj=80.9km s-min=16.5km az=72.0

ISCJB 21 13:09:41.4,0.4,0.89S,126.82E,h20km,61km,mb4.3/2, mb4.2/6,Error ellipse: s-maj=6.3km s-min=6.0km az=33.9

NEIC 21 13:09:41.1,8.0,1.00S,126.82E,h20km,61km,mb4.3/2, Error ellipse: s-maj=30.4km s-min=10.3km az=53.0

DJA 21 13:09:41.3,0.3,1.1S,3.12E,h10km,M4.4/11,mb4.9/1, mb5.0/9,MLV4.2/11,MLM3.4/33

ISC 21 13:09:42.9,0.7,0.89S,126.90E,0.05,h34km,n24, s156/42,mb4.2/6,Southern Molucca Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like LBMJ Labuha, SANI Sanana, NLAJ Namlea, etc.

ISCJB 21 13:34:56.7,0.4,6.83N,102.73E,15W,0.04,h159km,3km, mb3.5/6,Error ellipse: s-maj=6.9km s-min=5.1km az=22.3

ICC 21 13:34:57.9,1.1,6.82N,102.73E,h167km,13km,mb3.3/6, mb1 3.7/8,mb1mx3.4/30,mbtmp3.8/8,Error ellipse: s-maj=22.6km s-min=13.0km az=115.0

RSNC 21 13:34:58.8,0.9,6.80N,73.15W,h148km,5km,ML3.7

ISC 21 13:34:57.2,0.7,6.82N,102.73E,13W,0.05,h156km±5km, n29,0.70/43,mb3.5/6,1D,Northern Colombia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like PCI Palu, FITZ Fitzroy Crossi, etc.

1206

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like BARC Barichara, BRRC Barranca, PAMC Pampiona, etc.

HELC Santa Helena, HELC Santa Helena, HELC Santa Helena

VILC Villavicencio, VILC Villavicencio, VILC Villavicencio

GUYC Guyana, Colombia, GUYC Guyana, Colombia

DBBC Dabeiba, CODC Abugen Codaz, CODC Abugen Codaz

SDV Santo Domingo, SDV Santo Domingo

SDV Santo Domingo, SDV Santo Domingo

PRAC Prado, PLMC San Jos del, PTGA Pitanga

LPAZ La Paz, LPAZ La Paz

TXAR Xarayes, TXAR Xarayes

ULM Lac du Bonnet, ULM Lac du Bonnet

PDAR Pinedale Array, YKA Yellowknife Arr

ILAR Eielson Array, ILAR Eielson Array

ASAR Alice Springs, ASAR Alice Springs

WRA Warramunga Arr, WRA Warramunga Arr

WRA Warramunga Arr, WRA Warramunga Arr

WRA Warramunga Arr, WRA Warramunga Arr

WRA Warramunga Arr, WRA Warramunga Arr

WRA Warramunga Arr, WRA Warramunga Arr

WRA Warramunga Arr, WRA Warramunga Arr

WRA Warramunga Arr, WRA Warramunga Arr

WRA Warramunga Arr, WRA Warramunga Arr

WRA Warramunga Arr, WRA Warramunga Arr

WRA Warramunga Arr, WRA Warramunga Arr

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WRA Warramunga Arr, WRA Warramunga Arr

WRA Warramunga Arr, WRA Warramunga Arr

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like SNAI Saunaki, BANJ Bandanaira, etc.



21d 16h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like TAVSANI, ARG, MDNY, etc.

IDC 21 15:27:01.7,3.0,31.165x177.16W,h0km,mb3.6/2, mb1.3/9.4,mb1mx3.7/23,mbtp3.7/4,ML3.7/2,MS2.7/1, Ms1.2/7.1,mb1mx2.2/24,Error ellipse: s-maj=62.2km s-min=25.8km az=97.0

ISCJB 21 15:27:04.2,3.8,31.335x0.08:177.3W,0.5,h33km, mb3.5/2,Error ellipse: s-maj=66.0km s-min=7.8km az=7.5

ISC 21 15:27:05.1,2.8,31.265x0.09:177.1W,0.4,h35km,n12, c1567/8,Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like RAO, URZ, HNR, ASAR, etc.

NAO 21 15:28:52.7,1.5,67.60N,33.79E,ML2.0 HEL 21 15:28:51.0,5.67,65N,33.98E,h0km,ML1.7, Explosion,Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like APZ9, APA0, VRF, etc.

JMA 21 15:31:01.5,0.1,24.28N,122.26E,h59km,2km,ML1.8 ISCJB 21 15:31:02.0,0.6,24.27N,122.29E,0.03, h51km,12km,Error ellipse: s-maj=8.5km s-min=3.1km az=163.6 TAP 21 15:31:02.2,4.30N,122.27E,h45km,1km,ML2.7,D

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ISC 21 15:31:02.4,1.4,24.29N,122.29E,0.03,h49km,19km,n24,c052/48,Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like TWC, ENA, JYNG, etc.

MEX 21 15:59:26.1,0.7,16.16N,98.29W,h5km,MD3.9,Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like PNIG, TLIG, VHO, etc.

ISCJB 21 16:23:33.7,0.5,36.16N,104.71E,0.07,h100km, mb3.6/8,Error ellipse: s-maj=9.4km s-min=4.3km az=153.0

IDC 21 16:23:34.0,3.6,36.23N,71.30E,h73km,32km,mb3.5/9, mb1.3/6.15,mb1mx3.4/47,mbtp3.9/15,Error ellipse: s-maj=20.7km s-min=2.8km az=16.0

NCC 21 16:23:40.4,5.3,36.77N,70.46E,h38km,183km,mb4.4, mpv4.1,Error ellipse: s-maj=58.3km s-min=29.2km az=162.0

ISC 21 16:23:35.8,0.8,36.29N,107.71E,0.09,h100km,n41, c202/45,mb3.7/8,6C-2D,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like SFK, AML, MNAS, etc.

1208

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like PYUN, MKAN, KOLN, etc.

IDC 21 16:53:40.9,3.6,227S,99.35E,h0km,mb3.5/5,mb1.3/7.5, mb1mx3.4/34,mbtp3.5/5,Error ellipse: s-maj=156.5km s-min=21.3km az=57.0,Southern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like CMAR, H08S2, H08S3, etc.

IASPEI 21 16:53:53.3,0.9,35.38N,102.92E,27W,0.02,h9km,7km, Error ellipse: s-maj=3.4km s-min=3.0km az=130.1,GT5 selection from ISC bulletin GT5 identified by Bond'jr and McLaughlin (2009) selection criteria Bond'jr and McLaughlin, A new ground truth data set for seismic studies, <I>Seism. Res. Let.</I>, <b>80</b>:465-472, 2009

ISCJB 21 16:53:53.0,0.4,35.38N,102.92E,27W,0.02,h33km,3km, s-maj=2.4km s-min=2.1km az=139.3

NEIC 21 16:53:53.0,0.0,35.37N,92.27W,h5km, MN2.9(CERI), After CERI

NEIC Felt at Benton and Little Rock. ISC 21 16:53:53.4,0.9,35.37N,102.92E,27W,0.02,h8km,9km, n62,c060/93,Arkansas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like WHAR, X301, W41B, etc.







21d 19h

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like KLRB Kellerberrin, FITZ Fitzroy Crossi, MUN Munding, etc.

2011 NOV

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like ARU Solikamsk, SOKR Solikamsk, DDFL Deoflitskaro, etc.

1212

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like AZER 21 19:42:54.4,0.0, 40:80N,48:41E, etc.





21d 20h

Table with columns for station name, frequency, and signal strength. Includes stations like BASK, BASKALE VAN, BASKALE VAN, etc.

2011 NOV

Table with columns for station name, frequency, and signal strength. Includes stations like NEY, NEYTRINO, NEYTRINO, etc.

1214

Table with columns for station name, frequency, and signal strength. Includes stations like DIVS, DIVIBARE, DIVIBARE, etc.

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.







1219

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like R35A Emporia Municip, R36A Gordon, Harris, T39A Clever, R37A Teagarden Farm, V40A Witts Springs, Y40A Okolona, U40A Yellville, Q35A Mercer Eighty, X40A Basin Creek Fa, R38A Fenwick Farm, S39A Bolivar, WHTX Lake Whitney, KSU1 Kansas State U, X301 Greenbrier Sit, W41B Gary Mavity, ABTX Abilene, Hawie, S40A Lebanon, P34A Walnut Farm, U41A Viola, AMTX Amarillo, R40A Maddies Statio, U42A Revennden, O33A Hebron, O35A Humboldt, MSTX Muleshoe, N35A Tabor, JCT Junction City.

IDC 21 21:51:42.7-2.0, 37.87N-142.28E, h0km, mb3.6/3, mb1 3.7/4, mb1mx3.3/37, mbtmp3.5/4, ML3.2/1, Error ellipse: s-maj=44.7km s-min=30.7km az=54.0
ISCJCB 21 21:51:51.3-1.1, 37.60N-0.05-141.8E-0.1, h62km, 10km, mb3.7/3, Error ellipse: s-maj=15.3km s-min=6.1km az=23.1
JMA 21 21:51:52.2, 37.60N-141.77E, h45km, 2km, M3.7
ISC 21 21:51:51.6-1.9, 37.59N-0.06-141.8E-0.1, h48km, 17km, n22, -0.86/26, mb3.6/3, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JFK Kawauchi, JFK JFK, JMM Marumori, JMM JMM, JIO Ori, JIO Ori, ONAJ Iwakimizuishiy, ONAJ ONAJ, JNT Otama, JNT JNT, JOU Okura, JOU JOU, JMK Ichinoseki, JMK JMK, JFY Shirataka, JFY Yanaizu, JFY JFY, JOM Ohasama, JOM JOM, JYA Atsumi, JYA JYA, MJAR Matsushiro Arr, MJAR MJAR, MJAR Matsushiro, MAT Matsushiro, MAT MAT, H11N2 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, H11S3 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, KURBB Kurchatov Arr, WRA Warramunga Arr, ASAR Alice Springs.

MAN 21 21:54:40, 10.15N-122.21E, h33km, mb4.0, ML2.8, MS2.5, 2C, Panay
Code Station Name Az Az' Phase ID Time Res ISC
GUIM Jordan 0.60 38 eP S 21 54 53.5 +1.3
GUIM Jordan 0.60 38 eP S 21 55 03.5 +2.6
SNPH Sibulan 1.29 128 iP P 21 55 02.7 +0.9
SNPH Sibulan 1.55 18.6 +0.6
RCP Roxas 1.50 211 eP P 21 55 10.7 +3.5
PAGZ Pagadian 2.56 153 eP S 21 55 21.8 +2.5
PAGZ Pagadian 2.15 53.9 +2.6
BUSB Coron 2.70 313 eP P 21 55 24.5 -3.2
ENPP El Nido 2.93 291 eP P 21 55 26.6 +2.3
ENPP El Nido 2.15 59.7 +1.4

MOS 21 22:21:24.4-0.8, 51.42N-155.72E, h442km, mb4.4/1, Error ellipse: s-maj=99.9km s-min=34.8km az=56.5
KRSC 21 22:21:15.9-10.0, 50.99N-155.22E, h489km, 10km, ML4.2, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KDTR Khodutka, RUS Russkaya, RUS Russkaya, RUS Russkaya, UGLR Uglovaya, UGLR Uglovaya, AVH Avacha, AVH Avacha, GNL Ganaly, GNL Ganaly, SDR Sedlovina, SDR Sedlovina, SPN Mys Shipunski, SPN Mys Shipunski, SPN Mys Shipunski.

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IDC 21 22:21:51.5-3.5, 39.76N-72.41E, h0km, mb3.9/1, mb1 3.5/4, mb1mx3.2/43, mbtmp3.5/4, ML3.0/3, MS3.1/1, Ms1 3.1/1, ms1mx2.4/43, Error ellipse: s-maj=59.9km s-min=24.4km az=148.0
KRNET 21 22:21:56.4-0.1, 40.50N-71.72E, h11km, mb3.4
SOME 21 22:21:58.8, 40.60N-71.83E, h5km
NMC 21 22:22:00.3-4.4, 40.61N-71.95E, h0km, mb3.3, mpv3.1, Error ellipse: s-maj=47.8km s-min=14.4km az=52.0
ISC 21 22:21:58.8-1.3, 40.36N-0.04-71.62E-0.03, h26km, 14km, n43, -0.96/71, 25C-16D, Tajikistan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BTk Batken, BTK Batken, ARK Arkit, ARK Arkit, SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan, TOKL Toktogul, TOKL Toktogul, IUG Iuzhny, IUG Iuzhny, MNAS Manas, MNAS Manas, MNAS Manas, MNAS Manas, AML Almayashu, AML Almayashu, AML Almayashu, CHM Chikment, CHM Chikment, ARLS Aral, ARLS Aral, MRKS Merke, MRKS Merke, EK2S Erkin-Say, EK2S Erkin-Say, EK2S Erkin-Say, KK31 Karantay Array, KK31 Karantay Array, UCH Uchtor, UCH Uchtor, UCH Uchtor, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, KBK Karagaybulak, KBK Karagaybulak, KBK Karagaybulak, NRN Narin, NRN Narin, NRN Narin, CHMS Chirchik, CHMS Chirchik, USP Oshpovka, USP Oshpovka, USP Oshpovka, USP Oshpovka, TKM2 Tokmak 2, TKM2 Tokmak 2, TKM2 Tokmak 2, ULHL Ulahol, ULHL Ulahol, ULHL Ulahol, KST Kastek, KST Kastek, DGS Degeres, DGS Degeres, TNSS Tian-Shan, TNSS Tian-Shan, TNSS Tian-Shan, MDOK Medkor, MDOK Medkor, MDOK Medkor, KOTS Kotrybulak, KOTS Kotrybulak, CHKK Chushkaly, CHKK Chushkaly, CHKK Chushkaly, SATY Saty, SATY Saty, ARXS Arharly, ARXS Arharly, MKAR Makanchi Array, MKAR Makanchi Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, FINES Finess Array B, FINES Finess Array B, KRSR Korea Array, KRSR Korea Array.

ISCJCB 21 22:24:32.6-0.5, 50.15N-10.04-18.98E-0.03, h0km, Error ellipse: s-maj=5.8km s-min=2.5km az=1.1
CSEM 21 22:24:33.6-0.3, 50.15N-19.03E, h2km, ML2.8/5, Error ellipse: s-maj=8.9km s-min=3.7km az=7.0

21d 22h

PRU 21 22:24:34.2, 50.15N-19.02E, h0km
WAR 21 22:24:34.7, 50.09N-19.15E, h1km, Mw2.2
ISC 21 22:24:33.0-0.8, 50.09N-0.04-19.03E-0.02, h0km, n34, -0.78/56, Poland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OJC Ojcow, OJC Ojcow, OJC Ojcow, OJC Ojcow, OKC Ostrava-Krasne, OKC Ostrava-Krasne, OKC Ostrava-Krasne, OKC Ostrava-Krasne, LANS Liptovska Anna, LANS Liptovska Anna, LANS Liptovska Anna, MORC Moravsky Berou, MORC Moravsky Berou, NIE Niedzica, NIE Niedzica, NIE Niedzica, KRLC Kraliky, KRLC Kraliky, KRLC Kraliky, STHS Stebnicka Huta, STHS Stebnicka Huta, STHS Stebnicka Huta, VYHS Vyhne, VYHS Vyhne, VYHS Vyhne, DPC Dobruska-Polom, DPC Dobruska-Polom, DPC Dobruska-Polom, VRAC Vranov, VRAC Vranov, KECS Kecov, KECS Kecov, SMOL Smolenice, SMOL Smolenice, CRVS Cervencia-Dubn, CRVS Cervencia-Dubn, GPC GPC Pecny, GPC GPC Pecny, PVCC Panska Ves, PVCC Panska Ves, PRU Pruhonice, PRU Pruhonice, BRG Berggiesshobel, BRG Berggiesshobel, KHC Kasperske Hory, KHC Kasperske Hory.

IDC 21 22:28:24.9-30.0, 11.50N-123.06E, h0km, mb3.6/3, mb1 3.8/3, mb1mx3.3/35, mbtmp3.6/3, Error ellipse: s-maj=53.8km s-min=289.5km az=147.0
MAN 21 22:28:39, 9.38N-121.96E, h5km, mb4.3, ML3.1, MS2.9
ISCJCB 21 22:28:41.5-0.7, 9.39N-0.06-121.93E-0.05, h37km, mb3.6/3, Error ellipse: s-maj=9.5km s-min=5.9km az=32.0
ISC 21 22:28:43.2-1.9, 9.42N-0.2-121.94E-0.05, h37km, n9, -2.51/14, mb3.6/3, 1C-1D, Sulu Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SNPH Sibulan, SNPH Sibulan, GUIM Jordan, GUIM Jordan, RCP Roxas, RCP Roxas, MSLP Maasin, MSLP Maasin, MSLP Maasin, ENPP El Nido, ENPP El Nido, BUSB Coron, BUSB Coron, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, STKA Stephens Creek, STKA Stephens Creek.

IDC 21 22:34:20.4-1.1, 0.79N-125.87E, h0km, mb3.9/5, mb1 4.0/6, mb1mx3.7/35, mbtmp3.9/6, ML3.4/1, Error ellipse: s-maj=96.7km s-min=17.8km az=70.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, STKA Stephens Creek, STKA Stephens Creek, SONM Songoing Array, SONM Songoing Array, MKAR Makanchi Array, MKAR Makanchi Array.

ISK 21 22:40:26.0, 36.91N-36.82E, h5km, MD3.2
CSEM 21 22:40:27.6-0.2, 36.96N-36.78E, h2km, ML3.0, Error ellipse: s-maj=4.2km s-min=3.3km az=157.0
DDA 21 22:40:27.2, 36.96N-36.78E, h9km, ML3.0
NSSC 21 22:40:30.1-1.5, 36.78N-36.87E, h10km, 7km, ML2.2
ISC 21 22:40:27.6-0.9, 36.94N-0.02-36.79E-0.02, h9km, 9km, n57, -0.88/86, Jordan-Syria region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KAMA Osmaniye, KAMA Osmaniye, KUZU Kuzuini, KUZU Kuzuini, KUZU Kuzuini, DRWC Darouich, DRWC Darouich, DRWC Darouich, DRWC Darouich, GAZ Gaziantep, GAZ Gaziantep, GAZ Gaziantep, HCB Kahramanmara, HCB Kahramanmara, DORT Dortyol-Hatay, DORT Dortyol-Hatay, DORT Dortyol-Hatay.

21d 23h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KMRS Kahramanmaras, ANDN Andirin, and various other locations with their respective coordinates and data.

21d NOV

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MAT Matsushiro, H11N2 WAKE ISLAND, and various other locations with their respective coordinates and data.

1220

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MLSI Meulaboh, LMSI Lhok Sumawe, and various other locations with their respective coordinates and data.





22d 1h

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1222

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SFK, SDNR, MNAS, AAK, KK31, PYUN, KOLN, KOLN, JIRN, MKAR, RAMN, KURBB, BVAR, AKTO, ZALV, TORD, JIRN, MKAR, RAMN, KURBB, BVAR, AKTO, ZALV, TORD.

IDC 22:00:19:56.4:1.8,2.81N:128.65E,h0km,mb3.5/4, mb1.3.8/4,mb1mx3.5/34,mbtmp3.6/4,MS3.8/2,Ms1.3.8/2, ms1mx2.9/22,Error ellipse: s-maj=111.6km s-min=19.32km,az=72.0,HaImahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like FITZ, WRA, ASAR, PALK, MKAR, KURBB, KDAD.

CSEM 22:00:26:25.7,67.84N:20.19E,h0km,ML1.8,Mining explosion.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KUA, RATU, NIKU, LANU, DUNU, PAJU.

HEL 22:00:26:28.4,67.82N:20.51E,h0km,Explosion CSEM 22:00:26:30.3,67.83N:20.22E,h0km,ML2.2,Mining explosion.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KUA, RATU, NIKU, LANU, DUNU, PAJU, AREO.

ISCBJ 22:00:39:00.7:0.6,36.57N:0.05:71.12E:0.09,h100km,mb3.5/4,Error ellipse: s-maj=10.3km s-min=6.5km az=159.4

IDC 22:00:39:00.1:4.1,36.53N:71.21E,h70km,39km,mb3.3/4, mb1.3.9/11,mb1mx3.2/50,mbtmp3.8/11,ML3.6/7,MS3.3/1, Ms1.3.3/1,ms1mx2.4/34,Error ellipse: s-maj=35.1km s-min=23.6km,az=174.0

NNC 22:00:39:05.2:5.4,37.20N:71.57E,h0km,mb4.1,mpv3.8, Error ellipse: s-maj=40.1km s-min=38.2km,az=115.0

ISC 22:00:39:02.1:0.8,36.67N:0.08:71.03E:0.07,h100km,n29, az195/30,mb3.4/4,4C-4D,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SFK, ANL, MNAS, UCH, EK2S, KK31.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KK31, AAK, CHMS, USP, TKM2, GEYT, MKAR, PYUN, KOLN, KOLN, JIRN, MKAR, RAMN, KURBB, BVAR, AKTO, ZALV, TORD, WRA, ASAR.

NIED 22:00:49:00.34:70N:142.60E,h5km,Mw3.7, Best double couple: M4.23000:1014 NP1:0.400000:0.8260000, lambda-73.00000: NP2:phi201.00000:0.6650000, lambda-98.00000:0

IDC 22:00:49:16.8:1.2,34.60N:142.86E,h0km,mb3.6/6, mb1.3.7/8,mb1mx3.5/42,mbtmp3.6/8,ML3.6/2,MS2.5/1, Ms1.2.5/1,ms1mx2.3/37,Error ellipse: s-maj=31.4km s-min=22.3km,az=78.0

JMA 22:00:49:20.4:0.3,34.69N:142.64E,h65km,M3.7, ISCBJ 22:00:49:23.6:0.9,34.66N:0.06:142.32E:0.08,h76km,mb3.6/6,Error ellipse: s-maj=10.3km s-min=7.6km az=156.1

ISC 22:00:49:26.6:1.1,34.65N:0.07:142.3E:0.1,h76km,n24, az219/21,mb3.6/6,Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BSO1, BS03, CHQJ, CHQJ, CHQJ, BS04, JIM2, JHUJ, JHUJ, JHUJ, MJAR, MJAR, MAT, KSR5, H1N2, H1N1, H1N3, H1S3, H1S1, H1S2, H1S3, SONM, ZALV, MKAR, ILAR, WRA, ASAR.

IDC 22:01:00:36.3:1.7,0.43S:146.90E,h0km,mb3.9/5, mb1.4/1.5,mb1mx3.7/38,mbtmp3.9/5,Error ellipse: s-maj=68.8km s-min=23.0km,az=110.0,Admiralty Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA, ASAR, FITZ, H1S3, H1S1, H1S2, H1S3, SONM, ZALV, MKAR, ILAR, WRA, ASAR.

IDC 22:01:02:17.8:2.0,41.69N:127.16W,h0km,mb3.7/7, mb1.3.9/9,mb1mx3.6/45,mbtmp3.6/9,ML3.6/2,MS3.2/8, Ms1.3.2/8,ms1mx2.9/50,Error ellipse: s-maj=47.4km s-min=17.2km,az=24.0

ISCBJ 22:01:02:21.0:2.7,42.20N:0.05:126.95W:0.08,h10km,mb3.9/9,MS3.1/2,Error ellipse: s-maj=9.3km s-min=6.3km az=158.6

NEIC 22:01:02:22.1:0.8,42.17N:127.08W,h10km,mb4.1/7,Error ellipse: s-maj=12.0km s-min=7.9km,az=53.0

ISC 22:01:02:22.4:0.9,42.05N:0.06:126.85W:0.09,h10km,n65, az215/53,mb3.9/9,Off coast of Oregon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KEBM, JCC, HUMO, KMRM, I03D, M02C, YBH, YBH, N02D, WDC, COR, H04A, ORV, TDH, SBA, E03A, AFDM, G06A, I07A, LON, PANH, PANH, PANH, BMRH, BMO, ELK, ELK, NEW, TPNV, SHPR, LRM, MSU, PFO, W13A, PD31, PDAR, PDAR, LAO, SDCO, LAZ, ANMO, B19A, B19A, MNTX, YKA, YKBS, ECD5, TX31, LTX, TXAR, TXAR, KDAD, KUA, ILAR, ILB, H1N5, H1N2, H1N1, H1S1, H1S2, H1S3, FIAO, FINES, SONA, SONM, CLL, AKAS, AKBB.

IDC 22:01:11:12.8:3.3,3.55S:152.17E,h0km,mb3.9/3, mb1.4/1.3,mb1mx3.6/28,mbtmp3.9/3,Error ellipse: s-maj=122.3km s-min=45.1km,az=121.0,New Ireland region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA, ASAR, FITZ, TORD.

MEX 22:01:11:35.9:0.5,17.01N:99.62W,h24km,13km,MD3.8, Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ACP2, CAIG, MEIG, TLIG, PLIG, ARIG, PNIG, ZIIG, YIAG, YIAG.

GUC 22:01:25:51.6:0.5,20.52S:68.90W,h101km,3km,ML3.5, 6C-4D,Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PB08, PB08, PB08, PB01, PB01, PB01.





Table with columns: TRWZ, P, AML, AML, 02 08 07.7, 02 08 08.2, 02 07 14.5 -1.9, etc.

ICC 22 02 08:12.3a.0.8, 29.93AS:176.00W, h0km, mb4.2/7, mb1 4.4/9, mb1mx4.1/37, mbmtpp4.2/9, ML4.2/2, MS3.7/12, Ms1 3.7/12, ms1mx3.4/28, Error ellipse: s-maj=28.3km s-min=17.7km az=161.0

ISCJB 22 02 08:15.1a.0.5, 29.93AS:0.05:176.09W:0.06, h28km, mb4.4/15, MS3.7/10, Error ellipse: s-maj=6.9km s-min=5.8km az=33.6

NEIC 22 02 08:17.0a.0.5, 29.87AS:176.18W, h35km, mb4.6/11, Error ellipse: s-maj=12.4km s-min=3.3km az=141.0

ISC 22 02 08:16.8a.0.6, 29.74AS:0.07:176.19W:0.07, h28km, n54, a220/50, mb4.4/15, MS3.7/10, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC, etc.

Table with columns: NOA, NORSAR Array B 148.31 353, PKPb, PKPbc, 02 27 58.9 -0.9, etc.

ISCJB 22 02:17:29.2a.0.9, 33.18N:0.06:140.1E:0.2, h107km, 5km, mb3.9/2, Error ellipse: s-maj=32.5km s-min=8.6km az=169.4

ICC 22 02:17:29.9a.3.3, 32.81N:139.17E, h66km, 66km, mb3.5/2, mb1 3.7/3, mb1mx3.2/32, mbmtpp3.7/3, ML3.2/1, Error ellipse: s-maj=106.9km s-min=34.3km az=53.0

JMA 22 02:17:30.5a.0.1, 33.20N:140.23E, h93km, 2km, M3.1, ISC 22 02:17:30.2a.1.3, 33.20N:0.07:140.1E:0.2, h101km, 8km, n17, a955/17, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC, etc.

ISCJB 22 02:18:03.9a.0.3, 16.73S:0.04:72.15W:0.06, h100km, mb4.8/28, Error ellipse: s-maj=8.6km s-min=3.3km az=148.4

ICC 22 02:18:05.2a.0.2, 16.68S:72.01W, h87km, 19km, mb4.3/8, mb1 4.3/12, mb1mx4.0/28, mbmtpp4.6/12, MS2.9/3, Ms1 2.9/3, ms1mx2.7/19, Error ellipse: s-maj=21.8km s-min=14.1km az=102.0

NEIC 22 02:18:06.5a.0.9, 16.54S:71.90W, h97km, 8km, mb5.0/20, Error ellipse: s-maj=14.5km s-min=8.8km az=75.0

NEIC Felt (III) at Mollendo and (II) at Arequipa. BUJ 22 02:18:06.0, 16.80S:72.00W, h105km, mb5.3/7, SCB 22 02:18:22.6a.0.7, 16.82S:70.72W, h12km, M3.6/1, Error ellipse: s-maj=19.1km s-min=7.6km az=115.0

ISC 22 02:18:05.6a.0.4, 16.72S:0.05:72.06W:0.06, h100km, n126, a1968/129, mb4.9/28, 6C-1D, Near coast of Peru

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC, etc.

Table with columns: SKI, Saint Kitts, 35.06 16 eP, P, 02 24 46.0 -3.2, etc.













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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like TVAN Van, VMUR Van-Muradiye, etc.

IDC 22 03:46:42.9.36.0.8.59N.125.45E, h0km, mb3.8/4, mb1 3.9/4, mb1mx3.5/29, mbtmp3.8/4, Error ellipse: s-maj=615.8km s-min=128.7km az=160.0

ISCJB 22 03:47:14.4.0.8.579N.0.07.126.37E.0.09, h66km, mb3.5/4, Error ellipse: s-maj=15.2km s-min=6.4km az=147.9

ISC 22 03:47:15.5.1.1.580N.0.08.126.3E.0.1, h66km, n9, c068/13, mb3.4/4, 1C-1D, Mindanao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like MATI Mati, GSPH General Santos, etc.

MEX 22 04:00:50.9.0.7.1825N.99.88W, h44km, 6km, MD3.7, Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like PLIG Platanillo, MEIG Mezcala, etc.

MEX 22 04:06:56.8.0.4.1671N.99.47W, h7km, 2km, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like ACP2 Acapulco, CAIG El Cayaco, etc.

PGC 22 04:16:48.2.0.0.4833N.128.60W, h10km, MLSn9.7, Mw3.5/7, 197km west of Tofino, Bc Vancouver Island, Canada Region, Vancouver Island region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like NCHR NEPTUNE Canada, KEMP NEPTUNE Canada, etc.

ISCJB 22 04:17:34.8.0.2.45.52N.0.02.26.33E.0.02, h140km, 2km, mb3.4/6, Error ellipse: s-maj=2.8km s-min=2.5km az=139.4

SIGM 22 04:17:35.5.0.1.45.56N.26.28E, h140km, mb3.3, CSEM 22 04:17:35.0.1.45.49N.26.32E, h140km, 1km, MD4.2, Error ellipse: s-maj=3.3km s-min=2.3km az=170.0

MOS 22 04:17:35.3.0.9.45.51N.26.38E, h134km, mb4.0/1, Error ellipse: s-maj=9.8km s-min=8.4km az=74.6

BEO 22 04:17:35.3.0.6.45.55N.26.62E, h90km, M3.4/1, BUC 22 04:17:35.3.0.6.45.52N.26.30E, h146km, 8km, MD4.2/9, Error ellipse: s-maj=6.1km s-min=4.7km az=336.0

IDC 22 04:17:36.2.0.6.45.48N.26.24E, h132km, 5km, mb3.2/6, mb1 3.1/9, mb1mx3.0/32, mbtmp3.5/9, M53.3/1, M51 3.3/1, ms1mx2.3/29, Error ellipse: s-maj=25.1km s-min=13.4km az=150.0

ISC 22 04:17:35.9.0.7.45.47N.0.02.26.31E.0.02, h146km, 4km, n22.0, r195/319, mb3.4/4, 61C-72D, Romania

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like MLR Muntele Rosu, MLR Muntele Rosu, etc.

2011 NOV

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like PLOR Plostina, PLOR Plostina, etc.

22d 4h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like MANR Mangalia, MANR Mangalia, etc.















22d 7h

TIGA	baz=170,SNR=7.8	66.83	349	eP	P	07 52 19.6	-0.3
448A	Bay Minette comp=Z,31nm,0.8s	67.12	345	P	P	07 52 23.0	+1.2
BBSR	BB Station baz=166	67.15	6	eP	P	07 52 22.6	+0.6
447A	Lucedale comp=Z,37nm,1.0s	67.17	344	P	P	07 52 23.0	+0.9
543A	St. Martinville baz=162	67.27	341	P	P	07 52 24.2	+1.4
TAOE	Nuku Hiva Isla comp=Z,477nm,27.3s	67.27	275	eT	LR	08 12 44.2	
TAOE	Nuku Hiva Isla comp=Z,26nm,0.2s	67.32	344	P	T	09 05 36.7	
446A	Poplarville baz=164	67.36	257	eLR	LR	08 12 52.3	
TBI	Tabusey comp=Z,960nm,29.2s	67.50	343	P	P	07 52 24.9	+0.7
445A	Amite baz=164	67.58	342	P	P	07 52 25.9	+1.2
444A	Pine Grove baz=163	67.60	345	P	P	07 52 25.5	+0.6
348A	Jackson baz=166	67.72	345	P	P	07 52 25.9	+0.2
347A	Saraland baz=163,SNR=6.6	67.82	352	eP	P	07 52 26.3	+0.1
RGRS	Roger Stewart comp=Z,434nm,0.5s	67.89	341	P	P	07 52 28.4	+1.7
443A	Delano Plantat baz=162	67.92	344	P	P	07 52 27.7	+0.6
346A	Big Creek Wild baz=164,SNR=13	67.97	343	P	P	07 52 27.5	+0.5
345A	Thompson Farm, baz=164	68.01	334	P	P	07 52 28.3	+0.8
833A	Chaparral WMA, baz=156,SNR=12	68.02	352	eP	P	07 52 27.5	+0.1
NHSC	New Hope comp=Z,114nm,1.1s	68.22	345	P	P	07 52 28.9	+0.1
241A	Dixon Mills baz=166,SNR=6.8	68.26	340	P	P	07 52 30.4	+1.4
448A	DeRidder baz=161	68.28	343	P	P	07 52 30.0	+0.8
344A	Westbrook Farm baz=163	68.37	345	P	P	07 52 30.3	+0.7
247A	Quitman baz=165,SNR=8.6	68.44	344	P	P	07 52 30.7	+0.5
246A	Jackson Lee, B baz=165	68.47	340	P	P	07 52 31.0	+0.7
440A	Kirbyville baz=161	68.62	341	P	P	07 52 32.3	+1.1
342A	Flagon Creek P baz=162,SNR=7.3	68.64	344	P	P	07 52 32.0	+0.7
245A	Little AP, Sta baz=164	68.74	350	eP	P	07 52 31.7	-0.3
GOGA	Godfrey comp=Z,20nm,0.7s	68.74	350	eP	pmx	07 52 31.7	-0.3
GOGA	Godfrey comp=Z,20nm,0.7s	68.76	339	P	P	07 52 33.1	+0.9
439A	Center Grove, baz=160	68.81	340	P	P	07 52 33.3	+0.8
341A	Kurthwood baz=161,SNR=7.4	68.83	343	P	P	07 52 33.3	+0.7
244A	Avery, Jackson baz=164,SNR=11	68.88	342	P	P	07 52 33.8	+0.9
243A	Waterproof baz=163	68.89	345	P	P	07 52 33.0	+0.1
147A	Livingston baz=166,SNR=5.9	68.93	338	P	P	07 52 34.2	+1.0
438A	Sam Houston St baz=159	68.96	343	P	P	07 52 34.1	+0.7
VBMS	Vicksburg baz=164,SNR=6.5	68.96	343	eP	P	07 52 34.2	+0.9
VBMS	Vicksburg comp=Z,44nm,0.8s	68.98	346	eP	P	07 52 33.2	-0.2
LRAL	Lakeview Retire comp=Z,16nm,0.8s	69.03	344	P	P	07 52 34.4	+0.6
146A	Union baz=165,SNR=8.4	69.09	340	P	P	07 52 34.9	+0.8
340A	Bronson baz=161	69.19	344	P	P	07 52 35.7	+0.9
145A	Houston Renfro baz=164	69.20	339	P	P	07 52 35.6	+0.8
339A	Huntington baz=163	69.22	342	P	P	07 52 36.1	+1.1
242A	Grayson baz=162,SNR=21	69.29	328	eP	P	07 52 36.5	+0.8
HPIG	comp=Z,28nm,1.2s	69.30	352	eP	pmx	07 52 35.1	-0.3
JSC	Jenkinsville comp=Z,26nm,1.0s	69.30	352	eP	pmx	07 52 35.1	-0.3
JSC	Jenkinsville comp=Z,26nm,1.0s	69.33	343	P	P	07 52 36.4	+0.8
144A	Alexander Plac baz=164	69.36	345	P	P	07 52 35.9	+0.1
247A	Carrollton baz=166,SNR=22	69.38	351	eP	P	07 52 35.8	-0.1
HODGE	Hodges comp=Z,16nm,0.8s	69.39	341	P	P	07 52 36.9	+0.9
241A	Mo Tay, Goldon baz=162,SNR=7.1	69.42	346	P	P	07 52 36.0	-0.2
248A	Northport baz=166,SNR=10	69.44	339	P	P	07 52 37.5	+1.2
338A	Crockett baz=160,SNR=5.8	69.54	345	P	P	07 52 37.9	+1.0
246A	Louisville baz=165,SNR=12	69.58	338	P	P	07 52 38.5	+1.3
337A	Jarrell baz=159	69.63	336	P	P	07 52 38.1	+0.5
NATX	Nacogdoches baz=160	69.63	339	P	P	07 52 38.2	+0.7
NATX	Nacogdoches comp=Z,31nm,0.7s	69.63	339	eP	P	07 52 38.7	+1.1
142A	Monroe baz=162,SNR=5.9	69.64	342	P	P	07 52 38.3	+0.8
143A	Socs Landing, baz=163,SNR=20	69.82	340	P	P	07 52 39.4	+0.8
239A	Gary baz=160	69.87	344	P	P	07 52 39.8	+0.8
245A	Winona baz=164	69.92	355	eP	P	07 52 39.1	-0.1
CNOC	Cliffs of the comp=Z,27nm,0.9s	69.94	341	P	P	07 52 40.1	+0.7
141A	Papa Simpson, baz=162	69.95	337	P	P	07 52 40.0	+0.5
336A	Riesel baz=158,SNR=9.9	69.95	343	P	P	07 52 40.2	+0.7
244A	Pea Ridge, Bel baz=164	69.99	339	P	P	07 52 40.6	+0.9
238A	Jacksonville baz=162	69.99	346	P	P	07 52 39.7	0.0
Y47A	JCPARC, Winfie baz=166,SNR=49	70.09	343	P	P	07 52 40.5	+0.2
243A	Armstrong Fami baz=163	70.11	334	P	P	07 52 40.9	+0.3
JCT	Junction City comp=Z,156,SNR=18	70.11	334	eP	pmx	07 52 41.2	+0.6
JCT	Junction City comp=Z,27nm,0.8s	70.11	334	eP	pmx	07 52 41.2	+0.6
JCT	Junction City comp=Z,27nm,0.8s	70.16	352	P	P	07 52 40.1	-0.6
KMSC	Kings Mountain baz=172,SNR=14	70.16	352	eP	P	07 52 40.5	-0.2
KMSC	Kings Mountain comp=Z,30nm,0.9s	70.18	262	eT	T	09 08 48.0	
TIAR	Tiarei comp=Z,6.5nm,0.3s	70.18	345	P	P	07 52 40.6	-0.3
Y46A	Houston baz=165,SNR=18	70.20	348	P	P	07 52 41.6	+0.6
237A	Washetta, Mont baz=159	70.22	350	eP	P	07 52 41.0	-0.1
BG3	Lake Jocassee comp=Z,39nm,0.9s	70.32	344	P	P	07 52 42.2	+0.5
Y45A	Yeager Farm, C baz=165,SNR=12	70.32	342	P	P	07 52 41.6	-0.1
242A	Norrel Spur, H baz=163	70.35	262	eS	S	08 01 58.8	+6.8
PP2T	Papeete2 comp=Z,148nm,28.8s	70.35	262	eLR	LR	08 14 08.0	
PP2T	Papeete2 comp=Z,820nm,27.8s	70.36	262	LR	LR	08 16 12.1	
PPT	Papeete comp=Z,200nm,18.2s	70.36	262	LR	LR	08 16 12.1	

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Z41A	Richland Creek baz=162	70.53	341	P	P	07 52 43.7	+0.7
TX31	Lajitas Ar. Si	70.55	331	eP	pp	07 52 43.9	+0.5
TX31	Lajitas Array	70.55	331	eP	pp	07 52 56.4	+0.1
TXAR	comp=Z,4.9nm,0.6s, baz=157,slow=8.6,SNR=94	70.55	331	pp	pp	07 52 43.9	+0.5
TXAR	comp=Z,7.5nm,0.6s, baz=153,slow=8.1,SNR=23	70.55	331	pp	pp	07 52 56.0	-0.3
TXAR	comp=Z,219nm,18.4s, baz=0.0,slow=32	70.55	331	LR	LR	08 19 32.7	
138A	Matatalent	70.60	339	P	P	07 52 44.2	+0.7
Y43A	Makayla and Ka baz=160	70.68	343	P	P	07 52 44.5	+0.6
Z40A	Long Farm, Mag baz=161	70.69	341	P	P	07 52 44.5	+0.6
WHTX	Lake Whitney, baz=158,SNR=7.9	70.70	337	P	P	07 52 44.3	+0.2
WHTX	Lake Whitney comp=Z,34nm,0.6s	70.70	337	eP	P	07 52 44.7	+0.6
WHTX	Heron Place, G baz=159,SNR=7.9	70.74	339	P	pp	07 52 57.3	+0.2
137A	Garrett, Star baz=163	70.82	342	P	P	07 52 45.1	+0.8
X45A	UM Field Stati baz=165,SNR=11	70.82	345	P	P	07 52 45.1	+0.4
136A	Emm baz=159,SNR=5.4	70.86	338	P	P	07 52 45.3	+0.3
Z39A	Irene McRaven, baz=161	70.89	340	P	P	07 52 45.5	+0.4
CPCT	Cooper Cave comp=Z,39nm,0.9s	70.90	349	eP	P	07 52 44.9	-0.4
OXF	Oxford	70.91	345	eP	pmx	07 52 44.9	-0.4
OXF	comp=Z,79nm,1.0s	70.91	345	eP	pmx	07 52 44.9	-0.4
OXF	Okolona baz=19nm,1.0s	70.91	348	eP	P	07 52 45.2	-0.1
SWET	Sewanee comp=Z,67nm,0.7s	70.99	350	eP	pmx	07 52 45.1	-0.7
TKL	Tuckaleechee C TKL comp=Z,31nm,0.9s	70.99	350	eP	pmx	07 52 45.1	-0.7
TKL	Tuckaleechee C comp=Z,31nm,0.9s	70.99	350	eP	pmx	07 52 45.1	-0.7
WLAR	White Oak Lake comp=Z,38nm,0.9s	71.02	341	eP	P	07 52 46.0	+0.1
X44A	Crenshaw baz=164	71.06	344	P	P	07 52 45.9	-0.3
Y41A	Eaglette Beard baz=162,SNR=8.8	71.07	342	P	P	07 52 46.7	+0.5
PLAL	Pickwick Lake comp=Z,36nm,0.6s	71.10	346	eP	P	07 52 46.1	-0.2
Z38A	Mt. Pleasant	71.13	340	P	P	07 52 47.0	+0.3
X43A	Marvell baz=164	71.25	343	P	P	07 52 47.6	+0.3
Z37A	Pogue Cattle C baz=160	71.26	339	P	P	07 52 48.0	+0.5
Y40A	Okolona baz=162,SNR=6.7	71.37	341	P	P	07 52 48.2	+0.1
X42A	Stuttgart baz=163	71.46	343	P	P	07 52 48.7	+0.1
W45A	Hickory Valley baz=161,SNR=5.8	71.48	345	P	P	07 52 48.4	-0.3
Y39A	Lockesburg baz=161,SNR=8.4	71.52	341	P	P	07 52 49.0	0.0
Z36A	Blue Ridge baz=159,SNR=30	71.57	338	P	P	07 52 49.7	+0.4
X41A	Kaden, Bauxite baz=162,SNR=9.0	71.62	342	P	P	07 52 49.4	-0.2
Y38A	Idabel baz=160	71.68	340	P	P	07 52 49.9	-0.1
X40A	Basin Creek Fa baz=162,SNR=7.7	71.70	342	P	P	07 52 49.7	-0.3
W43A	Forest City baz=164	71.75	344	P	P	07 52 50.1	-0.2
UALR	University of comp=Z,12nm,0.7s	71.85	342	eP	P	07 52 51.0	+0.1
MIAR	Mount Ida baz=161,SNR=12	71.95	341	P	P	07 52 51.4	-0.2
MIAR	Mount Ida comp=Z,12nm,0.7s	71.95	341	eP	pmx	07 52 51.5	-0.1
MIAR	Mount Ida comp=Z,12nm,0.7s	71.99	339	P	P	07 52 52.0	+0.2
Y37A	Humboldt baz=160,SNR=11	72.00	345	P	P	07 52 51.2	-0.6
V45A	Humboldt baz=165,SNR=5.8	72.01	335	P	P	07 52 52.0	0.0
ABTX	Abiene, Hawle baz=161,SNR=17	72.01	335	eP	P	07 52 52.0	0.0
ABTX	Abiene, Hawle comp=Z,32nm,0.8s	72.01	335	eP	P	07 52 52.0	0.0
X39A	Fountain Ranch baz=161,SNR=10	72.06	341	P	P	07 52 52.4	+0.2
VWCC	Virginia Weste Blacksburg	72.09	353	eP	P	07 52 52.2	-0.2
BLA	Blacksburg comp=Z,16nm,0.8s	72.10	353	eP	pmx	07 52 52.6	+0.1
BLA	Blacksburg comp=Z,16nm,0.8s	72.11	339	P	pmx	07 52 52.5	-0.1
Y36A	Durant baz=159,SNR=8.8	72.14	346	eP	pmx	07 52 52.6	-0.1



22d 7h

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like KNB Kanab, F46A Macnaw City, H39A Augusta, etc.

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Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like PKM McPherson Peak, DAC Darwin (Calif), DAC Darwin (Calif), etc.

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Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like YERR Yerington, REDW Red Top Meadow, SNOW Snow King Moun, etc.



22d 8h

Table with columns: Station Name, Code, Frequency, and other details. Includes stations like CLDR, AGRB, and VRTB.

IDC 22 08:24:04.9.2.1.39.04S:177.14E, h0km, mb3.9/2, mb1.4/1.3, mb1mx3.9/23, mbtmp3.9/3, ML3.3/1, Error ellipse: s-maj=46.3km s-min=17.6km az=106.0

ISCJBJ 22 08:24:09.4.0.3.38.99S:0.02:177.24E:0.04, h63km,4km, mb3.8/2, Error ellipse: s-maj=4.7km s-min=3.2km az=16.4

WEL 22 08:24:11.8.0.1.38.90S:177.15E, h33km, ML4.2/107, Mw4.0, Error ellipse: s-maj=0.7km s-min=0.6km az=90.0

NEIC 22 08:24:11.5.0.0.38.91S:177.17E, h40km, ML4.2(WEL), After WEL

ISC 22 08:24:09.8.9.3.38.99S:0.03:177.17E:0.04, h52km,6km, n229.01551/231,30C-25D, North Island

Main station list table with columns: Code, Station Name, Frequency, and other details. Includes stations like WHHZ, SNGZ, MAUW, etc.

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Main station list table with columns: Station Name, Code, Frequency, and other details. Includes stations like GALATOS, PAWANUI, MANAWAHE, etc.

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Main station list table with columns: Station Name, Code, Frequency, and other details. Includes stations like POWZ, TAHUROA, PORI, etc.

0.5nm,0.8s,baz=200,slow=3,SNR=3.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BART Pico Bartolome, PSMN Pico do Norte, PSMN Santa Maria, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ARCES ARCESS Array B, INK Inuvik, PDAR Pinedale Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like EAK Akyaka, BINT Bingol, ITBZ Tabriz, etc.

22d 10h

2011 NOV

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for ZAAO Zalesovo Array, KURK Kurchatov, etc.

BUI 22 09:55:55.5, 59:09S:26:77W, h10km, mB5.6/9, Ms5.4/7, Ms7.5/18

NEIC 22 09:55:56.8, 0.4, 59:50S:25:88W, h10km, mb4.8/12, Error ellipse: s-maj=14.4km s-min=8.8km az=216.0

ISCJB 22 09:55:57.8, 0.4, 59:65S:0:08.26, 1W:0.2, h35km, mb4.7/16, MS3.8/12, Error ellipse: s-maj=16.9km s-min=6.9km az=140.3

IDC 22 09:56:04.7, 0.5, 59:49S:26:06W, h75km, mb4.2/8, mb1.4/3.8, mb1mx4.0/19, mbtmp4.4/8, MS3.5/10, Ms1.3/10, ms1mx3.3/20, Error ellipse: s-maj=22.9km s-min=16.3km az=35.0

ISC 22 09:56:00.7, 0.4, 59.6S:01:26.24W, 0.09, h35km, n69, o1867/0, mb4.7/16, MS3.5/12, 1C, South Sandwich Islands region

Main table for 22d 10h section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for VNA1 Neumayer-Stat, VNA2 Neumayer-Watz, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for GYA Guiyang, ARAO ARCESS Array B, etc.

SOME 22 10:00:05.5, 40:23N:72:08E, h10km

KRNET 22 10:00:05.9, 0.1, 40:24N:71:99E, mb2.2

ISC 22 10:00:05.0, 1.8, 40:27N:0:07:72.04E, 0.05, h3km, 15km, n11, i196/20, 11C-7D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for BTk Batken, SFK Sufi-Kurgan, etc.

IDC 22 10:19:16.8, 1.1, 51:29N:178:28E, h0km, mb3.5/7, mb1.3/8.7, mb1mx3.5/49, mbtmp3.7/7, Error ellipse: s-maj=56.7km s-min=22.2km az=3.0

ISCJB 22 10:19:17.2, 1.1, 50:50N:0:2:178.1E:0.1, h33km, mb3.5/7, Error ellipse: s-maj=32.7km s-min=7.5km az=165.6

NEIC 22 10:19:19.5, 0.0, 50:07N:179:08E, h10km, ML3.4(AEIC), After AEIC.

ISC 22 10:19:19.4, 1.5, 50.6N:0:3:178.13E:0:09, h35km, n18, o1975/21, mb3.7/7, Rat Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for GALAA Gareloi Lava P, GAEA Gareloi East, etc.

ISCJB 22 10:20:08.3, 0.3, 13:63N:0:03:120:54E:0:05, h116km, 3km, mb4.1/14, Error ellipse: s-maj=7.5km s-min=4.5km az=174.3

IDC 22 10:20:08.9, 0.7, 13:67N:120:83E, h112km, 5km, mb3.8/10, mb1.3/8.10, mb1mx3.5/51, mbtmp4.1/10, Error ellipse: s-maj=30.4km s-min=14.2km az=64.0

MAN 22 10:20:09, 13:68N:120:55E, h92km, mb4.5, ML3.3, MS3.2

NEIC 22 10:20:10.3, 0.7, 13:79N:120:98E, h125km, 6km, mb4.7/3, Error ellipse: s-maj=14.0km s-min=7.7km az=78.0

ISC 22 10:20:09.2, 0.7, 13:63N:0:03:120:51E:0:05, h108km, 6km, n42, o1937/55, mb4.2/14, 2C-1D, Mindoro

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for LUBP Lubang, PUERTO GALERA, etc.

ISCJB 22 10:25:07.7, 0.9, 38:14N:0:04:43:58E:0:08, h9km, Error ellipse: s-maj=9.1km s-min=6.4km az=176.8

ISK 22 10:25:07.9, 38:10N:43:38E, h13km, MD2.3

CSEM 22 10:25:07.9, 0.7, 38:13N:43:54E, h10km, ML2.6, Error ellipse: s-maj=17.9km s-min=10.9km az=84.0

DDA 22 10:25:13.8, 8:38:52N:43:23E, h7km, M2.6

IDC 22 10:25:07.7, 1.0, 38:15N:0:04:43:02E:0:06, h9km, n20, o0912/7, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for GEVA Gevas, EVAN Van, etc.

ISCJB 22 10:33:41.8, 0.5, 39:26N:0:03:26:74E:0:03, h5km, 5km, Error ellipse: s-maj=4.7km s-min=3.8km az=138.3

DDA 22 10:33:41.2, 39:25N:26:68E, h7km, MD2.7

ISK 22 10:33:41.7, 39:25N:26:73E, h5km, MD2.6

CSEM 22 10:33:42.0, 0.2, 39:25N:26:73E, h5km, MD2.6, Error ellipse: s-maj=4.2km s-min=3.4km az=47.0

ISC 22 10:33:41.8, 0.9, 39:24N:0:02:26:73E:0:02, h10km, 8km, n44, o051/61, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for DKL Dikili, BAYC CANAKKALE Bayr, etc.

URLA	Izmir	0.89	187	P	Pg	10 33 58.0	-0.9
URLA				S	Sn	10 34 13.1	-0.1
AKHS	Akhisar	0.92	113	i P	Pg	10 33 59.3	-0.1
AKHS	Akhisar	0.92	113	P	Pg	10 33 59.3	-0.1
GONE	Gonen-Balikesi	1.09	42	ePN	Pn	10 34 03.3	+0.2
GONE	Gonen-Balikesi	1.09	42	ePn	Pn	10 34 03.3	+0.2
LPK	Lapseki	1.13		ePN	Pb	10 34 03.8	+0.3
LPK	Lapseki	1.13		ePn	Pb	10 34 03.8	+0.3
GADA	Gvigeada	1.15	326	ePN	Pb	10 34 03.9	+0.2
GADA	Gvigeada	1.15	326	ePn	Pb	10 34 03.9	+0.2
GELI	Tayfur-Gelibol	1.17	350	ePN	Pg	10 34 03.6	-0.7
GELI				eS	Pg	10 34 03.7	
GELI	Tayfur-Gelibol	1.17	350	ePn	Pg	10 34 03.6	-0.7
GELI				eSn	Pg	10 34 20.1	+0.7
DGB	zmir	1.19	174	i P	Pg	10 34 03.8	-1.0
KRBB	Karabiga-Canak	1.23	21	ePN	Pn	10 34 06.1	+1.1
KRBB	Karabiga-Canak	1.23	21	ePn	Pn	10 34 06.1	+1.1
EDC	Edincik	1.41	38	ePN	Pg	10 34 08.9	0.0
EDC	Edincik	1.41	38	ePn	Pg	10 34 08.9	0.0
ERIK	Erikli-Kesan	1.44	353	ePN	Pg	10 34 09.1	-0.3
ERIK	Erikli-Kesan	1.44	353	ePn	Pg	10 34 09.1	-0.3
RKY	Sarkoy-Tekirda	1.48	13	ePN	Pb	10 34 09.7	+0.2
RKY	Sarkoy-Tekirda	1.48	13	ePn	Pb	10 34 09.7	+0.2
SART	Tekirdag	1.49	13	i P	Pn	10 34 08.1	-0.5
SART	Tekirdag	1.49	13	P	Pn	10 34 08.1	-0.5
ENEZ	Enez	1.56	344	ePN	Pb	10 34 11.1	+0.4
ENEZ	Enez	1.56	344	ePn	Pb	10 34 11.1	+0.4
KCTX	Karacabay (Bur	1.62	50	ePN	Pb	10 34 11.4	+0.3
KCTX	Karacabay (Bur	1.62	50	ePn	Pb	10 34 11.4	+0.3
SBT3	Marmara-Eregli	1.90	30	ePN	Pb	10 34 15.6	-0.8
SBT3	Marmara-Eregli	1.90	30	ePn	Pb	10 34 15.6	-0.8

CNRM 22 10:35:09.6, 38°24'N, 9°7'2W, h6km, MD3.6  
 ISCJB 22 10:35:09.7, 0.5, 38°43'N, 0.02, 9°75'W, 0.04, h35km, Error

ellipse: s-maj=4.8km s-min=2.4km az=169.2  
 MDD 22 10:35:10.7, 0.8, 38°39'N, 9°34'W, h26km, 6km, mbLQ3.0/50,  
 Error ellipse: s-maj=7.3km s-min=3.3km az=88.0, PFXIMO

LDG 22 10:35:10.7, 0.2, 38°39'N, 9°37'W, h20km, ML3.5/3, Error  
 ellipse: s-maj=3.7km s-min=2.0km az=78.0

CSEM 22 10:35:10.3, 0.2, 38°38'N, 9°79'W, h30km, ML3.9/4, Error  
 ellipse: s-maj=4.9km s-min=2.5km az=80.0

INMG 22 10:35:11.8, 1.2, 38°40'N, 9°80'W, h45km, MD2.7,  
 ML3.1, Error ellipse: s-maj=4.1km s-min=1.7km az=87.0

IGIL 22 10:35:11.4, 38°40'N, 9°80'W, h28km, ML3.4,  
 ISC 22 10:35:09.3, 1.2, 38°39'N, 0.02, 9°81'W, 0.06, h35km, n172,

r169/304, 6C-8D, Portugal

Code	Station Name	Δ <sup>o</sup>	AZ <sup>o</sup>	Phase ID	ISC	Time	Res
						h	s
						ISC	
PMST	Lisbon-Monsan	0.60	55	i P	Pg	10 35 22.8	+1.5
PMST				eSg	A	10 35 31.4	+1.6
PMST	752nm, 0.2s				A	10 35 32.6	
PMST	Lisbon-Monsan	0.60	55	i P	Pg	10 35 22.8	+1.5
PMST				eSg	A	10 35 31.4	+1.6
LIS	Lisbon	0.61	58	eP	Pn	10 35 22.9	+1.4
LIS				eS	Sn	10 35 31.2	+1.1
LIS				AML	AML	10 35 32.8	
LIS	comp=N, 2jμm, 0.5s				A	10 35 31.4	+1.6
LIS	Lisbon	0.61	58	eP	Pn	10 35 23.1	+1.6
LIS				eSg	A	10 35 31.7	+1.6
LIS				A	A	10 35 32.6	
LIS	comp=N, 904nm, 0.3s				A	10 35 22.9	+1.4
LIS	Lisbon	0.61	58	P	Sn	10 35 31.2	+1.1
LIS				eSg	Sn	10 35 31.7	+1.6
LIS	comp=N, 2jμm, 0.5s				A	10 35 31.4	+1.6
LIS	Lisbon	0.61	58	eP	Pn	10 35 23.1	+1.6
LIS				eSg	Sn	10 35 31.7	+1.6
LIS	comp=N, 904nm, 0.3s				A	10 35 22.9	+1.4
INMG	Instituto de M	0.66	54	i P	Pg	10 35 24.0	+1.9
INMG				eSg	Pn	10 35 32.8	+1.5
INMG	Instituto de M	0.66	54	P	Pn	10 35 23.8	+1.6
INMG				S	Sn	10 35 32.8	+1.5
INMG	Instituto de M	0.66	54	i P	Pg	10 35 24.0	+1.9
INMG				S	Sn	10 35 32.8	+1.5
PMAFR	Maфра	0.70	36	i P	Pg	10 35 24.0	+1.3
PMAFR				eSg	A	10 35 35.5	+1.2
PMAFR	comp=N, 3jμm, 0.2s				A	10 35 24.1	+1.3
PMAFR	Maфра	0.70	36	i P	Pn	10 35 24.1	+1.3
PMAFR				S	Sn	10 35 33.5	+1.2
PMAFR	comp=N, 103nm, 0.1s, SNR=18				A	10 35 24.1	+1.3
PMAFR	Maфра	0.70	36	P	Pn	10 35 24.1	+1.3
PMAFR				S	Sn	10 35 33.5	+1.2
PMAFR	comp=N, 103nm, 0.1s, SNR=18				A	10 35 24.1	+1.3
PNCL	Nicolau / Gran	1.04	105	eP	Pn	10 35 28.8	+1.4
PNCL				eS	A	10 35 41.5	+0.7
PNCL				A	A	10 35 42.7	
PNCL	comp=N, 334nm, 0.1s				A	10 35 28.8	+1.4
PNCL	Nicolau / Gran	1.04	105	eP	Pn	10 35 28.8	+1.4
PNCL				eS	A	10 35 41.5	+0.7
PNCL				A	A	10 35 42.7	
PNCL	comp=N, 334nm, 0.1s				A	10 35 28.8	+1.4
PTEO	Sao Teotonio	1.20	134	i P	Pg	10 35 31.0	+1.4
PTEO				eS	Sn	10 35 45.5	+0.8
PTEO				A	A	10 35 46.4	
PTEO	comp=N, 210nm, 0.2s				A	10 35 31.0	+1.4
PTEO	Sao Teotonio	1.20	134	P	Pn	10 35 31.0	+1.4
PTEO				S	Sn	10 35 45.5	+0.8
PTEO	comp=N, 105nm, 0.2s				A	10 35 31.0	+1.4
PTEO	Sao Teotonio	1.20	134	i P	Pg	10 35 31.0	+1.4
PTEO				S	Sn	10 35 45.5	+0.8
PTEO	comp=N, 105nm, 0.2s				A	10 35 31.0	+1.4
ALMR	Almeirim	1.23	51	eP	Pn	10 35 31.3	+1.3
ALMR				eS	Sn	10 35 45.8	+0.5
ALMR				S	Pn	10 35 31.3	+1.3
ALMR				S	Pn	10 35 45.8	+0.5
ALMR	Almeirim	1.23	51	eP	Pn	10 35 31.3	+1.3
ALMR				eS	Sn	10 35 45.8	+0.5
ALMR				S	Pn	10 35 31.3	+1.3
ALMR				S	Pn	10 35 45.8	+0.5
MESJ	Messejana	1.37	113	eP	Pn	10 35 33.5	+1.6
MESJ				eS	Sn	10 35 49.3	+0.5
MESJ				S	Pn	10 35 33.5	+1.6
MESJ				S	Pn	10 35 49.3	+0.5
MESJ	Messejana	1.37	113	P	Pn	10 35 33.5	+1.6
MESJ				S	Pn	10 35 49.3	+0.5
MESJ				S	Pn	10 35 33.5	+1.6
MESJ				S	Pn	10 35 49.3	+0.5
PMTG	Montargil	1.41	61	i P	Pg	10 35 33.9	+1.4
PMTG				eS	Sn	10 35 50.6	+0.7
PMTG				A	A	10 36 03.7	
PMTG	comp=N, 95nm, 0.4s				A	10 35 33.9	+1.4
PMTG	Montargil	1.41	61	i P	Pg	10 35 33.9	+1.4
PMTG				eS	Sn	10 35 50.6	+0.7
PMTG				A	A	10 36 03.7	
PMTG	comp=N, 95nm, 0.4s				A	10 35 33.9	+1.4
MORF	Marneleite	1.42	139	eP	Pn	10 35 34.0	+1.4
MORF				eS	Sn	10 35 50.1	0.0
MORF				AML	AML	10 35 50.9	
MORF	comp=N, 315nm, 0.3s				A	10 35 34.0	+1.4
MORF	Marneleite	1.42	139	i P	Pg	10 35 34.0	+1.4
MORF				eS	A	10 35 50.1	0.0
MORF				A	A	10 35 51.5	
MORF	comp=N, 259nm, 0.1s				A	10 35 34.0	+1.4
MORF	Marneleite	1.42	139	P	Pn	10 35 34.0	+1.4
MORF				S	Sn	10 35 50.1	0.0
MORF	comp=N, 259nm, 0.1s				A	10 35 34.0	+1.4
MORF	Marneleite	1.42	139	i P	Pg	10 35 34.0	+1.4
MORF				eS	Sn	10 35 50.1	0.0
MORF				A	A	10 35 51.5	
MORF	comp=N, 259nm, 0.1s				A	10 35 34.0	+1.4
PVFI	Vila Bisbo	1.48	148	i P	Pg	10 35 34.7	+1.3
PVFI				eS	A	10 35 51.3	-0.2
PVFI				A	A	10 35 52.2	
PVFI	comp=N, 108nm, 0.3s				A	10 35 34.7	+1.3
PVFI	Vila Bisbo	1.48	148	i P	Pg	10 35 34.7	+1.3
PVFI				S	Sn	10 35 51.7	+0.2
PVFI	comp=N, 55nm, 0.3s, SNR=12				A	10 35 34.7	+1.3
PVFI	Vila Bisbo	1.48	148	P	Pn	10 35 34.7	+1.3
PVFI				S	Sn	10 35 51.7	+0.2
PVFI	comp=N, 62nm, 0.2s, SNR=18				A	10 35 34.7	+1.3
PVFI	Vila Bisbo	1.48	148	i P	Pg	10 35 34.7	+1.3
PVFI				S	Sn	10 35 51.7	+0.2
PVFI	comp=N, 55nm, 0.3s, SNR=12				A	10 35 34.7	+1.3
PVFI	Vila Bisbo	1.48	148	P	Pn	10 35 34.7	+1.3
PVFI				S	Sn	10 35 51.7	+0.2
PVFI	comp=N, 62nm, 0.2s, SNR=18				A	10 35 34.7	+1.3
PBEJ	Beja	1.57	103	eP	Pn	10 35 36.3	+1.6
PBEJ				eS	Sn	10 35 54.5	+0.7
PBEJ				A	A	10 35 59.3	
PBEJ	comp=N, 82nm, 0.4s				A	10 35 36.3	+1.6
PBEJ	Beja	1.57	103	P	Pn	10 35 36.3	+1.6
PBEJ				S	Sn	10 35 54.5	+0.7
PBEJ	comp=N, 41nm, 0.4s				A	10 35 36.3	+1.6
PBEJ	Beja	1.57	103	eP	Pn	10 35 36.3	+1.6
PBEJ				eS	Sn	10 35 54.5	+0.7
PBEJ				A	A	10 35 59.3	
PBEJ	comp=N, 82nm, 0.4s				A	10 35 36.3	+1.6
PBEJ	Beja	1.57	103	P	Pn	10 35 36.3	+1.6
PBEJ				S	Sn	10 35 54.5	+0.7
PBEJ	comp=N, 41nm, 0.4s				A	10 35 36.3	+1.6
PBEJ	Beja	1.57	103	eP	Pn	10 35 36.3	+1.6
PBEJ				eS	Sn	10 35 54.5	+0.7
PBEJ				A	A	10 35 59.3	
PBEJ	comp=N, 82nm, 0.4s				A	10 35 36.3	+1.6
PBEJ	Beja	1.57	103	P	Pn	10 35 36.3	+1.6
PBEJ				S	Sn	10 35 54.5	+0.7
PBEJ	comp=N, 41nm, 0.4s				A	10 35 36.3	+1.6

PCVE	Castro Verde	1.59	118	eP	Pn	10 35 36.5	+1.6
PCVE				eS	A	10 35 55.4	+1.1
PCVE				A	A	10 35 59.0	
PCVE	comp=N, 97nm, 0.3s				A	10 35 36.5	+1.6
PCVE	Castro Verde	1.59	118	P	Pn	10 35 36.5	+1.6
PCVE				S	Sn	10 35 55.4	+1.1
PCVE	comp=N, 97nm, 0.3s				A	10 35 36.5	+1.6
PCVE	Castro Verde	1.59	118	eP	Pn	10 35 36.5	+1.6
PCVE				eS	Sn	10 35 55.4	+1.1
PCVE				A	A	10 36 11.1	
PCVE	comp=N,						



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ETOR Torete, ETOR Torete, ETOR Tobarra, etc.

IDC 22 10:56:19.4, 1.9, 51.15N:178.28E, h0km, mb3.3/5, mb1 3.9/6, mb1mx3.9/47, mbtmp3.6/6, ML3.8/1, MS3.2/1, Ms1 2.2/1, ms1mx2.1/24, Error ellipse: s-maj=55.7km s-min=24.0km az=179.0

NEIC 22 10:56:20.7, 0.0, 50.09N:178.88E, h10km, ML3.5(AEIC), After AEIC.

ISC 22 10:56:23.0, 1.6, 50.8N:0.3:178.2E:0.1, h35km, n15, 1996/18, mb3.1/5, RA10 Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GALAA Gareloi Lava P, GAEA Gareloi East, TANO Tanaga North, etc.

IDC 22 10:57:38.0, 0.8, 51.00N:178.26E, h0km, mb3.8/15, mb1 4.0/16, mb1mx3.9/47, mbtmp3.8/16, ML4.2/1, MS3.0/3, Ms1 3.0/3, ms1mx2.6/40, Error ellipse: s-maj=24.3km s-min=15.2km az=161.0

ISCJB 22 10:57:41.9, 0.6, 51.1N:0.1:178.02E:0.7, h33km, mb3.8/16, MS3.2/2, Error ellipse: s-maj=19.5km s-min=6.0km az=171.9

NEIC 22 10:57:42.7, 0.0, 50.20N:179.10E, h10km, ML3.6(AEIC), After AEIC.

ISC 22 10:57:43.2, 0.9, 51.0N:0.2:178.15E:0.07, h33km, n27, 1934/29, mb3.9/16, RA10 Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GALAA Gareloi Lava P, GAEA Gareloi East, TANO Tanaga North, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like INK Inuvik, KLR Kuldur, TIXI Tikko, RES Resolute Bay, etc.

ISK 22 11:02:22.5, 38.67N:43.18E, h20km, MD2.5, ISCJB 22 11:02:23.7, 1.0, 38.66N:0.04:43.18E:0.05, h24km, 10km, Error ellipse: s-maj=6.9km s-min=6.2km az=140.3, CSEM 22 11:02:23.0, 0.2, 38.67N:43.18E, h19km, MD2.5, Error ellipse: s-maj=5.4km s-min=4.9km az=10.0, DDA 22 11:02:23.2, 38.66N:43.12E, h7km, MI2.8, ISC 22 11:02:23.1, 1.1, 38.67N:0.03:43.16E:0.03, h19km, 2km, n22, 1971/38, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like VANB Van, VANB Van, VANB Van, etc.

ISCJB 22 11:05:37.3, 0.5, 1.71S:0.04:81.81W:0.04, h10km, mb4.0/16, MS3.4/4, Error ellipse: s-maj=6.1km s-min=5.5km az=34.4

IDC 22 11:05:37.4, 0.9, 1.62S:81.63W, h0km, mb4.0/11, mb1 4.2/15, mb1mx4.1/36, mbtmp4.1/15, ML4.0/3, MS3.5/5, Ms1 3.5/5, ms1mx3.1/32, Error ellipse: s-maj=28.5km s-min=14.6km az=52.0

IGQ 22 11:05:40.5, 1.5, 2.2S:11.8W:1.1, h10km, M4.7/18, ML4.7/18

NEIC 22 11:05:42.8, 1.0, 1.64S:81.56W, h38km, 10km, mb4.2/7, Error ellipse: s-maj=10.0km s-min=5.9km az=78.0

ISC 22 11:05:39.3, 0.6, 1.65S:0.06:81.78W:0.07, h10km, n79, 1959/71, mb4.0/16, MS3.2/4, Error offset of Ecuador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MAGI Magdalena, ASDO Santo Domingo, BBIL Bula Tugurahu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SDV Santo Domingo, ESTN Estel, LPAZ La Paz, etc.

KRSC 22 11:10:11.2, 10.0, 53.49N:161.11E, h41km, 10km, ML3.6, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SPN Mys Shipunski, SDLR Sedlovina, UGLR Uglovaya, etc.

PGC 22 11:22:43.1, 3.0, 48.77N:129.28W, h10km, MLN32.9/6, Mw3.5/6, 249km west of Tofino, Bc Vancouver Island, Canada Region, Vancouver Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like NCHR NEPTUNE Canada, NCHR NEPTUNE Canada, KEMP NEPTUNE Canada, etc.

ISCJB 22 11:27:54.5, 1.2, 28.78S:0.05:70.78W:0.08, h82km, 8km, Error ellipse: s-maj=11.5km s-min=8.0km az=24.3

GUC 22 11:27:54.7, 0.4, 28.87S:70.90W, h82km, 2km, ML3.2, SJA 22 11:27:54.6, 1.2, 28.74S:70.68W, h71km, 13km, ML3.3, MW3.7

ISC 22 11:27:55.2, 2.4, 28.78S:0.08:70.84W:0.10, h74km, 12km, n18, 1979/34, 4C, Central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like VACH Vallenar, VACH Vallenar, VACH Vallenar, etc.



22d 13h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SKR Severo-Kuril's, JOM Okushiri-Mats, and various international and local stations.

2011 NOV

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like DGZ Jazzator, ZALV Zalesovo Beam, and various international and local stations.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like OBN Obninsk, WBU Warramunga Arr, and various international and local stations.



22d 15h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CALDIR, VAN, GEVAS, BITLIS, TUTAK, HANUR-AGRY, etc.

GEN 22 14:47:31.6, 44.19N, 11.03E, h17km, ML2.5
ISCJB 22 14:47:32.0, 3.44, 15N, 0.03, 10.98E, 0.03, h12km, 3km,
Error ellipse: s-maj=4.5km s-min=3.2km az=178.3

ROM 22 14:47:32.4, 0.1, 44.15N, 10.95E, h8km, 1km, MD2, 1/10,
M2, 5/8, Error ellipse: s-maj=1.7km s-min=1.6km az=147.0

CSEM 22 14:47:33.1, 0.2, 44.13N, 10.96E, h10km, ML2.6/1.3, Error
ellipse: s-maj=3.5km s-min=3.3km az=4.0

ISC 22 14:47:32.9, 8.44, 16N, 0.02, 10.96E, 0.02, h11km, 5km,
n51, c099/42, Turkey

Main table for 22d 15h with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FONTANA VIDOLA, ZCCA, SARO, VLC, MAIM, MTRZ, VMG, SFI, CSNT, PLMA, CRE, ABTA, FETA, MYKA, WTTA, MOTA, DAVA, etc.

2011 NOV

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RETA, KBA, MOA, etc.

ISK 22 14:48:24.4, 38.81N, 43.42E, h17km, MD2.4
CSEM 22 14:48:25.4, 0.2, 38.81N, 43.35E, h15km, MD2.4, Error
ellipse: s-maj=0.6km s-min=0.4km az=93.0

ISCJB 22 14:48:26.3, 0.5, 38.81N, 0.03, 43.31E, 0.04, h12km, 6km,
Error ellipse: s-maj=5.7km s-min=4.3km az=22.7

DDA 22 14:48:26.1, 38.80N, 43.30E, h7km, M3.0
ISC 22 14:48:25.8, 0.9, 38.81N, 0.02, 43.34E, 0.03, h17km, 7km,
n24, c099/42, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ERCV, VAN, VMUR, TVAN, BITLIS, GEVAS, CALDIR, TUTAK, etc.

CSEM 22 14:55:13.7, 0.2, 49.44N, 20.17E, h2km, ML2.7/6, Error
ellipse: s-maj=5.4km s-min=3.1km az=13.0
IPEC 22 14:55:13.7, 0.1, 49.45N, 20.27E, h0km, ML1.9/4, Error
ellipse: s-maj=1.0km s-min=0.6km az=36.0

PRU 22 14:55:14.6, 49.44N, 20.18E, h0km, Tectonic Event
ISC 22 14:55:14.0, 0.9, 49.43N, 0.03, 20.19E, 0.02, h7km, 7km,
n28, c099/40, Poland

Main table for 2011 NOV with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NIE, LAN, STHS, OJC, KECS, CRVS, VYHS, OKC, JAVC, MORC, KRCL, VRAC, KRUC, DPC, PRU, PRU, KHC, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AUSP, SJA, RTVC, ACCO, RTLL, AMOG, ROCH, etc.

ISC 22 15:01:58.9, 2.4, 23.08N, 66.28W, h203km, 26km, mb3.2/1,
mb1.3/3.4, mb1mx3.1/23, mbtmp3.8/4, Error ellipse:
s-maj=40.7km s-min=21.4km az=126.0, Jujuy Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LVC, LPAZ, SAV, SI, TOR, MKAR, etc.

ISK 22 15:17:17.1, 38.79N, 43.38E, h24km, MD2.6
DDA 22 15:17:18.5, 38.80N, 43.30E, h7km, M3.0
CSEM 22 15:17:18.4, 0.3, 38.82N, 43.32E, h10km, MD2.6, Error
ellipse: s-maj=6.1km s-min=5.1km az=92.0

ISC 22 15:17:15.1, 0.3877N, 0.03, 43.35E, 0.03, h33km, 2km,
n18, c058/34, Turkey

Main table for 1250 with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VAN, TVAN, VMUR, BITLIS, GEVAS, CALDIR, TUTAK, etc.

NIED 22 15:20:00, 39.00N, 142.40E, h32km, Mw3.6. Best double
couple: M=2.8400e+10, P=1.11e+11, 12.00000, 327.00000,
1.26.00000, NP2=226.00000, 878.00000,
1.115.00000.

ISCJB 22 15:20:14.6, 1.2, 39.00N, 0.04, 142.44E, 0.08, h21km, 7km,
mb3.4/4, Error ellipse: s-maj=10.2km s-min=5.9km
az=19.4

JMA 22 15:20:16.1, 0.1, 39.02N, 142.37E, h32km, 1km, M3.5
JDC 22 15:20:20.0, 0.3, 38.95N, 142.35E, h61km, 29km, mb3.1/4,
mb1.3/3.6, mb1mx3.1/41, mbtmp3.4/6, ML3.4/2, MS1.9/1,
Ms1.1/9.1, ms1mx1.7/17, Error ellipse: s-maj=33.6km
s-min=21.7km az=105.0

ISC 22 15:20:16.5, 1.8, 39.02N, 0.05, 142.29E, 0.08, h25km, 12km,
n17, c099/1126, mb3.5/4, Near east coast of eastern

Main table for 1250 with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like OFUJ, MINJ, JMK, JOM, JOU, JANG, etc.



Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.





22d 16h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like GTA, QIS, HHC, BJI, JNU, etc.

2011 NOV

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MAKZ, CN2, MAJO, MAJQ, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SEKA, NAX, GANJ, ZAKA, etc.





USP	comp=Z,42nm,0.8s	50.58 337	P	P	17 03 04.0 +1.2
MNAS	SNR=14	50.76 334	i P	Pmax	17 03 04.2 -0.1
MK01	comp=Z,24nm,1.0s	51.12 345	eP	P	17 03 07.2 +0.4
MK31	Makanchi Array	51.15 345	iP	Pmax	17 03 07.7 +0.7
MK31	comp=Z,36nm,0.8s	51.15 345	eP	P	17 03 07.4 +0.5
MK31	Makanchi Array	51.15 345	eP	P	17 03 07.9 +0.9
MKAR	comp=Z,22nm,0.7s,baz=158,slow=8.8,SNR=137	51.15 345	eP	P	17 03 07.9 +0.9
MKAR	Makanchi Array	51.15 345	eP	P	17 03 07.4 +0.5
MAK2	comp=Z,24nm,1.0s	51.24 345	iP	Pmax	17 03 08.1 +0.4
MAK2	Makanchi	51.24 345	eP	P	17 03 08.0 +0.4
CN2	comp=Z,18nm,0.9s	51.50 24	iP	P	17 03 08.9 -0.7
CN2	Changchun	51.50 24	eP	Pmax	17 03 17.8 -1.5
CN2	comp=Z,70nm,0.9s		Pmax	Pmax	
CN2	comp=Z,200nm,3.0s		LR	LR	
CN2	comp=Z,900nm,13.0s		LR	LR	
CN2	comp=Z,900nm,13.0s		LR	LR	
KK31	comp=Z,1um,15.0s	52.13 333	i P	Pmax	17 03 14.6 +0.2
KK31	Karatay Array	52.13 333	eP	Pmax	17 03 12.4 -2.0
KKAR	comp=Z,45nm,1.0s	52.13 333	eP	P	17 03 12.4 -2.0
KKAR	Karatay Array	52.13 333	eP	P	17 03 18.6 +1.9
CMSA	comp=Z,5nm,1.0s	52.41 129	P	P	17 03 15.6 -2.0
ZAK	Cobar Meteorol	52.57 3	eP	Pmax	17 03 20.4 +1.0
ZAK	Zakamensk	52.57 3	eP	Pmax	17 03 27.5 +0.6
DGZ	comp=Z,12nm,1.4s	52.80 350	eP	Pmax	17 03 19.3 -0.8
DGZ	Jazzator, Alta	52.80 350	eP	Pmax	17 03 18.6 -1.5
MAJO	comp=Z,31nm,1.0s	52.88 39j	eP	Pmax	17 03 18.6 -1.5
MAJO	Matsushiro	52.88 39	eP	P	17 03 18.6 -1.5
MAJO	comp=Z,20nm,1.1s	52.88 39	eP	P	17 03 18.6 -1.5
MAJO	Matsushiro	52.88 39	eP	P	17 03 18.6 -1.5
MAT	comp=Z,34nm,1.3s	52.88 39	eP	P	17 03 18.6 -1.5
MAT	Matsushiro	52.88 39	eP	P	17 03 18.6 -1.5
MJAR	comp=Z,1um,15.0s	52.88 39	eP	P	17 03 18.6 -1.5
MJAR	Matsushiro Arr	52.88 39	eP	P	17 03 23.1 +1.3
RMQ	comp=Z,18nm,1.0s,baz=519,slow=7.8	53.08 122	P	P	17 03 23.1 +1.3
RMQ	Roma	53.08 122	P	P	17 03 27.5 +0.6
VLA	baz=53,SNR=4.9	53.84 29deP	P	Pmax	17 03 28.1 +0.9
VLA	Vladivostok	53.84 29deP	P	Pmax	17 03 27.8 +0.3
TLY	comp=Z,74nm,1.4s	53.89 3i	eP	Pmax	17 03 34.1 -3.1
TLY	Talaya	53.89 3i	eP	Pmax	17 03 36.6 -4.4
TLY	comp=Z,22nm,1.1s		MLR	MLR	17 05 26.5 -2.6
MDJ	comp=Z,726nm,12.0s	53.92 26	P	P	17 11 01.1 +0.3
MDJ	Mudanjiang	53.92 26	P	P	17 14.46.1 +3.6
MDJ	comp=Z,1um,17.4s		LR	LR	
MDJ	comp=Z,1um,14.9s		LR	LR	
MDJ	comp=Z,1um,16.6s		LR	LR	
MDJ	Mudanjiang	53.92 26	P	P	17 03 27.0 -0.5
HIA	comp=Z,29nm,1.0s	54.29 16	eP	Pmax	17 03 29.4 -0.8
HIA	Hailar	54.29 16	eP	Pmax	17 03 29.4 -0.8
HIA	comp=Z,17nm,0.9s	54.29 16	eP	Pmax	17 03 29.4 -0.8
HIA	Hailar	54.29 16	eP	Pmax	17 03 29.4 -0.8
USRK	comp=Z,17nm,0.9s	54.70 28	P	P	17 03 33.6 +0.4
USRK	Ussuriysk Ar.	54.70 28	P	P	17 03 34.9 +1.0
EIDS	comp=Z,11nm,1.0s,baz=219,slow=5.7,SNR=42	54.74 120	P	P	17 03 37.8 +0.2
EIDS	Eidsvoll	54.74 120	P	P	17 03 39.4 +1.0
GEYT	comp=Z,3.6nm,0.8s,baz=174,slow=6.6,SNR=8.3	55.42 11	eP	Pmax	17 03 46.7
GEYT	Alibeck	55.42 11	eP	Pmax	17 03 41.7 +1.7
YNG	comp=Z,55nm,1.7s	55.61 131	P	P	17 03 39.7 -0.3
YNG	Young	55.61 131	P	P	17 03 40.8 +0.4
KURBB	comp=Z,5nm,1.0s	55.66 344	P	P	17 03 39.7 -0.3
KURBB	Kurchatov Arra	55.66 344	P	P	17 03 40.8 +0.4
KURK	comp=Z,11nm,0.9s,baz=162,slow=6.6,SNR=2.7	55.71 344c	iP	Pmax	17 03 40.8 +0.4
KURK	Kurchatov	55.71 344c	iP	Pmax	17 03 40.8 +0.4
KURK	comp=Z,114nm,1.0s	55.71 344	eP	P	17 03 40.1 -0.3
KURK	Kurchatov	55.71 344	eP	P	17 03 47.5 +1.2
CAN	comp=Z,30nm,1.0s	56.48 132	eP	Pmax	17 03 47.5 +1.2
CAN	Canberra	56.48 132	eP	Pmax	17 03 47.5 +1.2
CAN	comp=Z,77nm,1.4s	56.48 132	eP	P	17 03 47.5 +1.2
CAN	Canberra	56.48 132	eP	P	17 03 52.3 +0.4
ZALV	comp=Z,45nm,0.8s,baz=174,slow=5.7,SNR=134	57.34 350	P	P	17 11 46.8 +0.6
ZALV	Zalesovo Bean	57.34 350	P	P	17 03 59.8 +0.1
RAYN	comp=Z,0.4nm,0.4s,baz=156,slow=11.1,SNR=4.4	58.34 299	eP	P	17 03 60.0 +0.2
RAYN	Ar Rayn	58.34 299	eP	P	17 04 00.0 +0.2
KLR	comp=Z,2.5nm,1.0s	58.45 24	P	P	17 04 00.0 +0.2
KLR	Kul'dur	58.45 24	P	P	17 04 00.0 +0.2
KLR	comp=Z,3.7nm,0.9s,baz=244,slow=6.3,SNR=61	58.45 24	P	P	17 04 00.0 +0.2
KLR	Kul'dur	58.45 24	P	P	17 04 00.0 +0.2
NVS	comp=Z,4.0nm,0.9s	58.48 349j	iP	Pmax	17 04 00.4 +0.5
NVS	Novosibirsk	58.48 349j	iP	Pmax	17 04 12.0 +1.3
NVS	comp=Z,35nm,1.1s		Pmax	Pmax	
NVS	comp=N,22nm,1.2s		Pmax	Pmax	
NVS	comp=E,13nm,1.2s		smx	smx	
NVS	comp=E,17nm,1.9s		smx	smx	
ASAJ	comp=Z,17nm,1.2s	60.20 35	P	P	17 04 12.2 +0.2
ASAJ	Asahikawa	60.20 35	P	P	17 04 11.0 -1.2
BVA0	comp=Z,8.4nm,0.8s,baz=254,slow=5.8,SNR=9.0	60.25 340	P	Pmax	17 04 12.3 -0.3
BVA0	Borovoye Array	60.25 340	P	Pmax	17 04 12.3 -0.3
BRVK	comp=Z,22nm,1.2s	60.31 340c	iP	Pmax	17 04 12.3 -0.3
BRVK	Borovoye	60.31 340c	iP	Pmax	17 04 12.0 -0.6
BRVK	comp=Z,50nm,2.5s	60.31 340	eP	P	17 04 16.3 -1.3
BRVK	Borovoye	60.31 340	eP	P	17 04 21.2 -0.2
BOD	comp=Z,12nm,0.9s	61.06 9	eP	Pmax	17 04 21.2 -0.2
BOD	Bodaibo	61.06 9	eP	Pmax	17 04 21.2 -0.2
AB31	comp=Z,28nm,1.8s	61.60 332	i P	Pmax	17 04 21.0 -0.4
AB31	Akbulak array	61.60 332	i P	Pmax	17 04 24.2 -0.3
ABKAR	comp=Z,16nm,0.9s	61.60 332	eP	P	17 04 34.6
ABKAR	Akbulak array	61.60 332	eP	P	17 04 24.2 -0.3
YSS	comp=Z,96nm,0.8s	62.05 32j	eP	Pmax	17 04 24.2 -0.3
YSS	Yuzh-Sakhalinsk	62.05 32j	eP	Pmax	17 04 34.6
YSS	comp=Z,30nm,1.2s		MLR	MLR	
KMBO	comp=Z,500nm,15.0s	62.11 270	LR	LR	17 26 38.5
KMBO	Kilima Mbogo	62.11 270	LR	LR	17 26 38.5
CLNS	comp=Z,385nm,20.1s,baz=96,slow=31	62.45 15	eP	P	17 04 35.2 +8.2
CLNS	Chul'man	62.45 15	eP	P	17 04 35.2 +8.2

CLNS	comp=Z,17nm,1.0s		Pmax	Pmax	
CLNS	comp=N,13nm,1.1s		Pmax	Pmax	
AKTO	comp=E,14nm,0.9s	63.32 332	P	P	17 04 32.6 -0.2
AKTO	Aktuybinsk	63.32 332	P	P	17 04 32.6 -0.2
TYV	comp=E,5.2nm,0.9s,baz=138,slow=6.7,SNR=12	64.51 29	eP	Pmax	17 04 31.9 -8.8
TYV	Tymovskoe	64.51 29	eP	Pmax	17 04 31.9 -8.8
TYV	comp=Z,39nm,1.8s		Pmax	Pmax	
TYV	TYV		Pmax	Pmax	
SVE	comp=Z,2um,4.6s	66.72 338j	iP	Pmax	17 04 55.2 +0.4
SVE	Sverdlövsk	66.72 338j	iP	Pmax	17 04 55.2 +0.4
ZEI	comp=Z,31nm,1.2s	67.05 319	eP	P	17 04 58.1 +0.6
ZEI	Tsey	67.05 319	eP	P	17 04 58.1 +0.6
ARU	comp=Z,4.0nm,0.6s	67.23 337	P	P	17 04 58.0 -0.1
ARU	Arti	67.23 337	P	P	17 04 57.9 -0.2
ARU	comp=Z,2.6nm,0.4s,baz=111,slow=5.4,SNR=8.8	67.23 337c	iP	P	17 07 23.3
ARU	Arti	67.23 337c	iP	P	17 09 05.8
ARU	comp=Z,2.6nm,0.4s,baz=111,slow=5.4,SNR=8.8	67.23 337c	iP	P	17 13 52.9 +1.7
ARU	Arti	67.23 337c	iP	P	17 18 08.4 -2.2
ARU	comp=Z,26nm,1.7s	67.23 337	eP	P	17 04 56.9 -1.2
ARU	Arti	67.23 337	eP	P	17 05 01.0 +0.4
NCK	comp=Z,24nm,1.3s	67.57 319j	eP	Pmax	17 05 01.0 +0.4
NCK	Nalchik	67.57 319j	eP	Pmax	17 05 01.0 +0.4
NEY	comp=Z,8.0nm,0.8s	68.03 319j	eP	P	17 05 01.4 -2.3
NEY	Neyrino	68.03 319j	eP	P	17 05 05.2 +1.2
KBZ	comp=Z,3.7nm,0.8s,baz=114,slow=3.3,SNR=7.6	68.18 15	P	P	17 05 03.2 -0.7
KBZ	Khabaz	68.18 15	P	P	17 05 01.7 -2.2
YAK	comp=Z,8.9nm,0.4s,baz=342,slow=2.7,SNR=14	68.18 15	eP	P	17 05 01.7 -2.2
YAK	Yakutsk	68.18 15	eP	P	17 05 01.7 -2.2
YAK	comp=Z,29nm,1.0s		Pmax	Pmax	
YAK	Yakutsk		Pmax	Pmax	
YAK	comp=E,10.0nm,1.5s		Pmax	Pmax	
YAK	Yakutsk		Pmax	Pmax	
KIV	comp=N,14nm,1.5s	68.18 15	eP	P	17 05 02.3 -1.6
KIV	Yakutsk	68.18 15	eP	P	17 05 06.0 +0.4
KIV	Kislovodsk	68.18 15	eP	P	17 05 06.0 +0.4
KIV	comp=Z,10.0nm,1.0s	68.36 320	eP	Pmax	17 05 05.0 -0.6
KIV	Kislovodsk	68.36 320	eP	Pmax	17 05 05.0 -0.6
SOKR	comp=Z,27nm,1.3s	70.12 339	eP	Pmax	17 05 14.9 -1.1
SOKR	Solkamsk	70.12 339	eP	Pmax	17 05 14.9 -1.1
SOKR	comp=Z,12nm,1.2s		Pmax	Pmax	
SOKR	Solkamsk		Pmax	Pmax	
SKR	comp=Z,12nm,1.2s	71.45 34	eP	P	17 05 24.0 -0.3
SKR	Severo-Kuril's	71.45 34	eP	P	17 05 33.7 -0.8
BR13	comp=Z,14nm,1.5s	73.07 313	eP	P	17 05 34.4 -0.1
BR13	Berik Array S	73.07 313	eP	P	17 05 34.4 -0.1
BRTR	comp=Z,1.2nm,0.7s,baz=134,slow=8.8,SNR=7.5	73.45 32	P	P	17 05 35.6 -0.6
BRTR	Berik Array B	73.45 32	P	P	17 05 35.6 -0.6
PETK	comp=Z,4.7nm,1.0s,baz=232,slow=1.0,SNR=4.9	73.66 325	eP	Pmax	17 05 36.7 -0.8
PETK	Petropavlovsk-	73.66 325	eP	Pmax	17 05 45.0 -2.5
PETK	Storozhevo	73.66 325	eP	Pmax	17 05 45.0 -2.5
VSR	comp=Z,10.0nm,0.9s	73.73 313	eP	Pmax	17 05 34.6 -3.7
VSR	Vesensk	73.73 313	eP	Pmax	17 05 41.6 -0.1
VSR	comp=Z,27nm,1.3s	74.39 327	eP	P	17 05 49.9 -1.9
VSR	Vesensk	74.39 327	eP	P	17 05 49.9 -1.9
BR23	comp=Z,10.0nm,0.8s	74.98 241	P	P	17 05 47.8 +1.9
BR23	Berik MP Arra	74.98 241	P	P	17 05 47.8 +1.9
LPSR	comp=Z,1.8nm,0.8s,baz=149,slow=5.9,SNR=2.3	74.98 241	P	P	17 05 47.8 +1.9
LPSR	Galich ya Gora	74.98 241	P	P	17 05 47.8 +1.9
LPSR	comp=Z,587nm,19.0s,baz=44,slow=32		LR	LR	17 34 06.8
LPSR	Rata Peaks		LR	LR	17 38 04.1
SEY	comp=Z,846nm,21.9s,baz=260,slow=35	76.12 22	P	P	17 05 51.4 -0.1
SEY	Seymchan	76.12 22	P	P	17 05 51.4 -0.1
SEY	comp=Z,8.2nm,0.8s,baz=240,slow=4.9,SNR=13	76.12 22j	eP	P	17 05 50.6 -0.9
SEY	Seymchan	76.12 22j	eP	P	17 05 50.6 -0.9
TIXI	comp=Z,29nm,1.7s	76.24 9	eP	Pmax	17 05 50.8 -1.2
TIXI	Tiksi	76.24 9	eP	Pmax	17 05 50.8 -1.2
TIXI	comp=Z,29nm,1.7s	76.24 9	eP	Pmax	17 05 50.8 -1.2
TIXI	Tiksi	76.24 9	eP	Pmax	17 05 50.8 -1.2
MOS	comp=Z,63nm,1.8s	76.43 329	eP	P	17 05 52.4 -0.9
MOS	Moscow	76.43 329	eP	P	17 05 52.4 -0.9
MOS	comp=Z,36nm,0.6s	76.72 328	eP	P	17 05 52.4 -0.9
MOS	Moscow	76.72 328	eP	P	17 05 52.4 -0.9
MOS	comp=Z,16nm,1.1s	77.40 199j	eX	P	17 06 03.0
MOS	Moscow	77.40 199j	eX	P	17 06 03.0
MOS	comp=Z,36nm,0.6s	77.82 334	eP	Pmax	17 06 08.6
MOS	Moscow	77.82 334	eP	Pmax	17 06 08.6
OBN	comp=Z,16nm,1.1s	77.40 199j	eX	P	17 06 05.0
OBN	Oyova Base	77.40 199j	eX	P	17 06 05.0

22d 17h

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Mode, Power, and other technical details for various stations.

2011 NOV

Error ellipse: s-maj=3.2km s-min=1.8km az=95.0
VIE 22:16:56:51.1,0.9,46:17N:9:10E,h8km,mb1.7/1,ML1.7/3,
Error ellipse: s-maj=5.7km s-min=4.5km az=88.0
ZUR 22:16:56:50.5,46:19N:8:98E,h9km,2km,ML1.7/17,
13C-11D,Switzerland

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, Power, and other technical details for various stations.

ISC 22:16:57:30.1E.9,51:53N:0:08x16:06E:0:06,h0km,n11,
0:05:24,Poland

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, Power, and other technical details for various stations.

1258

ATH 22:17:20:29.3,97:98N:27:06E,h26km,3km,ML2.2/2,Error
ellipse: s-maj=6.2km s-min=1.3km az=243.0
ISCJB 22:17:20:30.6,0.5,38:01N:0:03:27:02E:0.5,h6km,5km,
Error ellipse: s-maj=6.5km s-min=3.7km az=155.6
CSEM 22:17:20:30.6,0.2,38:01N:27:00E,h5km,MD2.6,Error
ellipse: s-maj=5.6km s-min=3.3km az=61.0
DDA 22:17:20:30.4,38:01N:26:98E,h7km,M13.0
ISK 22:17:20:30.1,38:00N:27:01E,h4km,MD2.6
ISC 22:17:20:30.3,1.0,37:99N:0:02:27:00E:0:03,h13km,7km,
n33,0:41:47,Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, Power, and other technical details for various stations.

ISCJB 22:17:26:10.9,0.4,6:81S:0:04x126:60E:0:06,h450km,
mb3.4/3,Error ellipse: s-maj=8.4km s-min=5.4km az=13.7
DJA 22:17:26:11.4,0.6,7:53:12:7E, h439km,8km,MA,1/10,
mb4.4/1,mb3.8/2,MLV4.2/10,MW(mB)3.5/1
IDC 22:17:26:12.2,2.1,6:79S:126:64E,h442km,23km,mb3.1/3,
mb1.3/1.6,mb1mx2.8/43,mb1mp3.9/6,Error ellipse:
s-maj=7.4km s-min=1.1km az=67.0
ISC 22:17:26:11.8,0.7,6:84S:0:06x126:65E:0:07,h450km,n17,
0:175:27,mb3.3/3,Banda Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, Power, and other technical details for various stations.

MEX 22:17:28:06.0,0.7,16:10N:95:11W,h51km,24km,MD3.9,
Oaxaca

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, Power, and other technical details for various stations.

IDC 22:17:33:25.2,1.4,42:97S:41:87E,h0km,mb3.8/3,
mb1.4/0.3,mb1mx3.6/25,mb1mp3.8/3,Error ellipse:
s-maj=125.6km s-min=32.7km az=29.0,Prince Edward
Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, Power, and other technical details for various stations.

CSEM 22:16:56:49.7,0.2,46:16N:8:98E,h10km,ML2.0/6,Error
ellipse: s-maj=3.9km s-min=3.0km az=140.0
GEN 22:16:56:50.2,46:20N:8:92E,h10km,ML1.2
ROM 22:16:56:50.0,0.2,46:19N:8:97E,h10km,Md1.8/4,M1.5/3,





SVB	ePcP	PcP	18 56 21.3	0.0	SMRT	eScP	ScP	18 59 23.4	-1.8	HOPE	eScP	ScP	19 00 11.2	+1.5
SVB	eS	ScP	18 57 36.2	-2.6	SMRT	eScS	ScS	19 03 24.0	-3.7	HOPE	eScS	ScS	19 04 35.0	-0.9
SVB	eScP	ScP	18 59 09.9	0.0	SMRT St. Maarten	33.21 4 eP	ScS	18 54 06.7	-0.9	DWPF	eScP	ScP	19 05 50.2	+0.6
SVB	eScS	ScS	19 03 00.4	-4.6	SMRT St. Maarten	33.21 4 eP	ScS	18 58 41.2	-7.3	DWPF	eScP	ScP	19 00 14.7	0.0
SVB Belmont	28.66 8 eP	ScP	18 53 28.3	-0.5	SMRT San Juan	33.22 358 eP	ScS	18 54 08.2	+0.5	DWPF	eScP	ScP	19 01 49.8	-0.0
SVV Crater Summit	28.72 8 eP	P	18 53 41.0	+1.6	SMRT San Juan	comp=Z,1,1m,0.7s,baz=183,slow=5.0,SNR=308	ScS	18 58 47.3	-1.3	DWPF	eScP	ScP	19 00 14.7	0.0
PAYG Puerto Ayora	28.75 298 eP	P	18 53 31.9	+2.2	SJG	comp=Z,267nm,0.8s,baz=74,slow=18,SNR=21	ScS	19 03 26.0	-1.7	TLIG	ePcP	ScP	18 57 19.1	+2.4
comp=N,2,um,0.8s					SJG	comp=Z,122nm,0.8s,baz=319,slow=21,SNR=9.8	ScS	18 54 07.8	+0.1	TLIG	eScP	ScP	18 57 18.3	+1.3
PAYG Puerto Ayora	28.75 298 ePcP	PcP	18 56 23.3	+1.6	SJG	comp=Z,122nm,0.8s,baz=319,slow=21,SNR=9.8	ScS	18 54 08.0	+0.2	TLIG	eScP	ScP	19 02 01.2	+0.8
PAYG Gun Hill	28.81 11 eP	P	18 53 33.7	+3.7	SJG	comp=Z,122nm,0.8s,baz=319,slow=21,SNR=9.8	ScS	18 54 08.0	+0.2	LVIG	ePcP	PcP	18 55 53.8	+0.4
BBGH comp=N,5,um,1.3s					SJG	comp=Z,122nm,0.8s,baz=319,slow=21,SNR=9.8	ScS	18 58 43.2	-5.4	BBSR	ePcP	PcP	18 57 18.4	+1.7
BBGH Gun Hill	28.81 11 eP	ScP	18 59 12.2	+1.8	HJG	comp=Z,629nm,0.5s	ScS	18 59 23.5	-2.7	BBSR	ePcP	PcP	18 56 01.8	+1.3
BBGH MOLI Moutie a Chique	28.81 11 eP	P	18 53 33.7	+3.7	HUMP	comp=Z,629nm,0.5s	ScS	18 56 35.0	+1.3	UNM	eScP	ScP	19 00 21.5	+0.7
SLDE Delcer	29.13 8 eP	P	18 53 36.3	+2.8	HUMP	comp=Z,629nm,0.5s	ScS	18 58 47.8	-1.2	UNM	eScP	ScP	19 02 13.0	-0.9
SLB Belford	29.23 8 eP	P	18 53 36.3	+2.5	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
SLW Petit Monier	29.44 8 eP	P	18 53 38.5	+3.0	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
TBS2	29.56 323 eP	P	18 53 38.7	+1.9	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
TBS2	29.56 323 eP	P	18 53 38.7	+1.9	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
BRU2 Volcan	29.56 323 eP	P	18 53 38.7	+1.9	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
BRU2 Volcan	29.56 323 eP	P	18 53 38.7	+1.9	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
PTJ1 Puerto Jim~ne	29.74 322 eP	P	18 53 41.3	+3.2	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
BIM Bigot	29.91 8 eP	P	18 53 40.7	+1.1	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
ICCO Coco Island	30.00 312 eP	P	18 53 42.4	+2.1	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
ICCO Coco Island	30.00 312 eP	P	18 53 41.8	+1.4	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
ICCO Fort de France	30.11 8 eP	P	18 53 42.1	+2.2	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
PDF FDF	30.11 8 eS	S	18 58 01.0	-0.3	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
comp=Z,3,um,1.0s					HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
FDF Fort de France	30.11 8 eP	P	18 53 42.5	+1.2	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
FDF Fort de France	30.11 8 eP	P	18 53 42.5	+1.2	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
FDF Fort de France	30.11 8 eP	P	18 53 42.5	+1.2	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
FDF Fort de France	30.11 8 eP	P	18 53 42.5	+1.2	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
GBMF Grand Be	30.17 8 eP	P	18 55 15.4	+1.5	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
CXM Morne La Croix	30.19 8 eP	P	18 53 43.6	+1.5	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
RCBR Riachuelo	30.23 75 eP	P	18 53 44.9	+2.4	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
comp=Z,3,um,0.8s,baz=242,slow=8.8,SNR=1000					HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
RCBR comp=Z,188nm,0.7s,baz=236,slow=4.4,SNR=7.8					HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
RCBR comp=Z,45nm,1.0s,baz=46,slow=1.8,SNR=8.3					HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
RCBR Riachuelo	30.23 75 eP	P	18 53 44.8	+2.4	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
comp=Z,3,um,2.0s					HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
RCBR Scott's Head	30.56 7 eP	P	18 53 47.5	+2.4	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
RCBR Belle View Cho	30.62 7 eP	P	18 53 48.1	+2.5	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
RCBR Morne Staniel	30.67 7 eP	P	18 53 48.1	+2.1	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
DLPL La Plaine	30.69 7 eP	P	18 53 47.1	+0.9	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
DLPL La Plaine	30.69 7 eP	P	18 55 21.2	+2.8	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
DLPL La Plaine	30.69 7 eP	P	18 58 07.3	-2.9	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
BUS Buena Vista	30.82 322 eP	P	18 53 50.5	+2.7	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
BUS Buena Vista	30.82 322 eP	P	18 53 50.6	+2.7	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
BBL Barber's Block	30.85 7 eP	P	18 53 48.2	+0.5	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
MDMP Dominica, Moor	30.93 7 eP	P	18 53 49.9	+1.6	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
MDVC Dominica, Viel	30.95 7 eP	P	18 53 49.4	+0.9	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
QCR1 Quesos	30.96 321 eP	P	18 53 51.2	+2.6	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
URSC Urasca	31.05 322 eP	P	18 53 52.2	+2.6	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
URSC Urasca	31.05 322 eP	P	18 53 52.2	+2.6	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
LCR2 La Lucha 2	31.11 322 eP	P	18 53 52.4	+2.3	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
TBG Guadaloupe-3	31.16 7 eP	P	18 53 49.9	-0.3	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
CVTR Volcan Turrial	31.19 323 eP	P	18 53 54.1	+3.0	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
MGG Marie-Galante	31.26 7 eP	P	18 53 51.3	+0.3	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
SJS Escuela Geolog	31.30 322 eP	P	18 53 54.3	+2.5	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
HDC Heredia	31.39 322 eP	P	18 53 55.3	+2.9	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
comp=Z,2,um,0.9s					HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
HDC Morne Mazaueu	31.56 6 eP	P	18 59 19.8	+0.2	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
comp=Z,900nm,0.4s					HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
GDHS Cerro Gallo 2	31.60 322 eP	P	18 53 57.1	+2.8	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
GDHS Cerro Gallo 2	31.60 322 eP	P	18 53 57.1	+2.8	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
SR1A San Ram~n	31.67 322 eP	P	18 53 57.9	+3.1	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
DEG La Desirade	31.68 8 eP	P	18 53 54.5	-0.2	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
MLYT Lee's Yard	31.96 5 eP	P	18 53 56.5	-0.6	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
MLYT Lee's Yard	31.96 5 eP	P	18 53 56.5	-0.6	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
MLYT Lee's Yard	31.96 5 eP	P	18 53 56.5	-0.6	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
ARE1 Arenal 1	32.11 322 eP	P	18 54 01.0	+2.5	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
JTS JuntasAbangare	32.11 321 eP	P	18 54 01.0	+2.5	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
comp=Z,3,um,0.9s					HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
JTS JuntasAbangare	32.11 321 eP	P	18 54 01.0	+2.5	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
comp=Z,3,um,0.9s					HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
JTS JuntasAbangare	32.11 321 eP	P	18 54 01.0	+2.5	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
comp=Z,3,um,0.9s					HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
JTS Chiripa	32.21 321 eP	P	18 54 00.3	+1.9	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
CHPA Vista de Mar	32.40 320 eP	P	18 54 03.4	+2.4	HUMP	comp=Z,629nm,0.5s	ScS	18 54 09.1	+1.0	UNM	eScP	ScP	18 56 07.7	+2.1
VCR Vista de Mar	32.40 320 eP	P	18 54 03.4	+2.4	HUMP	comp=Z,629nm,0.5s	ScS							



22d 18h

Table with columns: ID, Name, Time, Distance, Direction, Status, Time, Distance, Direction, Status, Time, Distance, Direction, Status. Rows include Little AR, Mamou, Lake Jocassee, Vidalia, Union, Northport, Carrollton, Avery, Jackson, Vidor, Kingsville, Vicksburg, Houston Renfro, Flagon Creek P, Waterproof, Louisville, Alexander Plac, UCPARC, Winfie, Kirbyville, Kurthwood, Tuckaleechee C, Cooper Cave, Grayson, Winona, Hockley, University of, Houston, Soos Landing, Center Grove, Sewanee, Pea Ridge, Bronson, Monroe, J. Sargeant Re, Mo Tay, Goldon, Virginia Weste, Yeager Farm, C, Hopewell Churc, Blacksburg, Sam Houston St, Huntington, Armstrong Fami, Quail, Yanceyville, Cuckoo, Spring Road, M, Louisa, Centerville R, Spotsylvania F, Partlow Road, Corbin Frederi, Hunter Patters, Greensprings, Strider, Charl.

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Table with columns: ID, Name, Time, Distance, Direction, Status, Time, Distance, Direction, Status, Time, Distance, Direction, Status. Rows include Papa Simpson, Pickwick Lake, UM Field Stati, Chaparral WMA, Oxford, Norrel Spur, H, Nacogdoches, Nacogdoches, Crockett, Makayla and Ka, Gary, Cam and Jess, Crenshaw, Centerville, Richland Creek, Garnett, Star, Jacksonville, Hickory Valley, Caney Creek, Ebenezzer Churc, Marveth, Bankhouse Ranc, Long Farm, Mag, Shelby Farms P, Memphis-Engin, Jarrell, Washetta, Mont, Waverly, Waverly, Forest City, Eaglette Beard, Riesel, Soldier's Deli, White Oak Lake, WLAR, WLAR, Humboldt, Stuttgart, Matattall Enter, Irene McRaven, Forest City, Penn St. - Bra, PSUB, Katherine and, Halls, Okolona, Heron Place, G, Kaden, Bauxite, Blytheville, Millersville, Rockin P Farm, University of, Harrisburg, Mt. Pleasant, Basin, UALR, Glass, Gosnell, Bald Knob, Lockesburg, Ennis, Jonesboro, Burton Farm, H, Lake Whitney, Lake Whitney.

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Table with columns: Name, Time, Distance, Direction, Status, Name, Time, Distance, Direction, Status, Name, Time, Distance, Direction, Status. Rows include Pogge Cattle C, Mont Chateau, Basking Ridge, Gary Mavity, V, Central Park, Portageville, Junction City, Junction City, Mount Ida, Mount Ida, Greenbrier Sit, Babate, Palisades, Parma, Rector, Blue Knob St, Fountain Ranch, Fergusson Farm, Fergusson Farm, State Game Lan, Wyandotte Cave, Mountainview, Standing Stone, Hugo, Benton, Revenden, Poplar Bluff, Horse Pasture, University of, Magazine, Carrier Mills, Whitesboro, Wits Springs, Gibon Southern, Durant, Greenville, Bryant College, Viola.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like W39A Poteau, X37A Clayton, X37A Clayton, X37A Carbonade, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like S41A Jilco Farms, TRY Troy, TRY Troy, V37A Hulbert, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like N46A Monticello, R39A Chumby, U35A Pawnee, U35A Pawnee, U35A Pawnee, etc.



Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like M3C0 Mesa Verde, G34A Wrenshall, F33A Westby DABS, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like C34A RKJ Ranch, SWSC Sam W. Stewart, IKP In-Ko-Pah, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like SGU Sterling, MURC Murrieta, SNO Snow College, etc.

22d 18h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SNCC San Nicolas Is, LMCU Monte Cristo P, and many others.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like H17A Grant Village, H17A Grant Village, and many others.

1266

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like HLID, BSMM Soledad Missio, YERR, and many others.









22d 18h

Table with columns for station name, frequency, power, and other technical details. Includes stations like NB200 NORSAR Array S, NOA NORSAR Array B, MORC Moravsky Berou, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like LIT Litokhoron, PSZ Piszkesteto, LANS Liptovska Anna, etc.

1270

Table with columns for station name, frequency, power, and other technical details. Includes stations like STHS Stebnicka Huta, MMB Musomiste, CRVS Cervenia-Dubn, etc.







Table with columns: Station Name, Frequency, Band, Mode, and other technical details. Includes stations like Prapat, Xi'an, Dabo, Chengdu, Kota Bharu, Luwuk, Phuket, Kota Tinggi, Kulim, Nanjing, Kunigami, Sheshan, Trang, Muara Tewe, Enshi, Chiang Mai, Chiang Mai, Chiung Mai Arr, Kuching, Kaeng Krachan, Sukhothai, Pattaya, Guiyang, Davao City, Nakanayok, Sibul, Srakae, Chaiyaphum, Butuan, Cotabato-PC H, Khomkaen, Pagadian, Yeheng, Maasin, Ninganchiao, Lahad Datu, Sakolnakorn, Ormoc, Suanglung, Quanzhou, Lapu-Lapu, Yuli, Narkornpanom, Ta-pu, Pinlang, Kota Kinabalu, Khong Chiam, Roxas, Kalibo, Guangzhou, Boac.

Table with columns: Station Name, Frequency, Band, Mode, and other technical details. Includes stations like San Jose, Qiongzong, Tagaytay City, Nagara, Odawara 2, Boso 3, Ashikaga, Ryogami san, Shimo 3, Oshima, Boso 1, zushimoda, Katsushina, Matushiro Arr, Hachio jima 2, Korea Arr, Songino Array, Zalesovo Beam, Makanchi Array, Kurbatov, Borovoye Array, Keskin Array, Muntele Rosu, Fines, Arces Array, Revenden, University of Poteau, Mountainview, Marietta, Clayton, Clayton Magazine, Whitesboro, Cord, Ferguson Farm, Ferguson Farm, Lajitas, Lajitas Arr, Lajitas Arr, Gary Mavity, Fountin Ranch, Mount Ida, Junction City, Junction City, Tackleechee C, Pook Wick Lake, Cooper Cave, Sewanee, Strider, Charl, Kings Mountain, Kings Mountain, Lake Jocassee, Houston, Pea Ridge, Bel, UCPARC, Winfie, Louisville, Northport, Carrollton, Union, Jackson, Livingston, Wenzelook Farm, Linare, Limon Verde.

Table with columns: Station Name, Frequency, Band, Mode, and other technical details. Includes stations like Cape Leeuwin H, Warramunga Arr, Warramunga Arr, Allice Springs, Kunigami, Nakatsue, Wanjun Array, Wanjun Array, Korea Arr, Wanjun Array, Songino Array, Songino Array, Ulanbataar, Makanchi Array, Makanchi Array, Makanchi Array, Makanchi Array, Matushiro Arr, Ushuysk Arr, Kurchatov, Kurchatov, Zalesovo Beam, Zalesov Array, Kul'dur, Borovoye Array, Borovoye, Abkar Abkulak Array, YAK, Keskin Array, Keskin Array, Karp, Santorini, Akase, Muntele Rosu, Muntele Rosu, Bucovina A, Bucovina A, Fines, Arces Array, Arces Array, Revenden, University of Poteau, Mountainview, Marietta, Clayton, Clayton Magazine, Whitesboro, Cord, Ferguson Farm, Ferguson Farm, Lajitas, Lajitas Arr, Lajitas Arr, Gary Mavity, Fountin Ranch, Mount Ida, Junction City, Junction City, Tackleechee C, Pook Wick Lake, Cooper Cave, Sewanee, Strider, Charl, Kings Mountain, Kings Mountain, Lake Jocassee, Houston, Pea Ridge, Bel, UCPARC, Winfie, Louisville, Northport, Carrollton, Union, Jackson, Livingston, Wenzelook Farm, Linare, Limon Verde.



Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station identifiers. Includes stations like BALIKESIR, AKHISAR, BAIKESIR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station identifiers. Includes stations like WEL, WGMZ, WMLZ, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station identifiers. Includes stations like PDAR, ULM, SCHO, etc.

Table with columns: AZAP, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Zapla, Limon Verde, Santa Barbara, Yavi, IPOC Station P, LOMAS DE OLMED, IPOC Station P, Minye Minye, PUNTA DE LOS L.

WEL 22 21:49:45.5:0.8,37:47S-179:78E,h33km,ML3.5/10, 3C-2D, Error ellipse: s-maj=9.3km s-min=7.8km az=0.0, Off east coast of North Island

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Waiomatatini S, Matakaoa Point, Puketiti, Pakihiroa, Tauwhareparee, Carnagh Statio, Raukumara Rang, Matawai, Rimuhau, Maungataniwha, Aropanoani, Black Stump Fm, McNeill Hill, Kahurangi, Kaweka Forest, Kereru, Black Hill Sta, Porangahau.

WEL 22 22:04:37.0:0.8,36:63S-178:89W,h33km,ML3.7/6, Error ellipse: s-maj=7.6km s-min=7.4km az=0.0, East of North Island

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Matakaoa Point, Waiomatatini S, Puketiti, Pakihiroa, Te Kaha, Carnagh Statio, Matawai, Rimuhau, Mahia Peninsula, Urewera, Ruatahunu, McNeill Hill, Black Hill Sta.

CSEM 22 21:23:26.8:0.2,38:69N-43:20E,h2km,ML2.6, Error ellipse: s-maj=4.3km s-min=3.6km az=80.0 DDA 22 21:23:26.3:0.4,38:71N-43:23E,h7km,ML3.3 ISK 22 21:23:26.5:0.3,38:70N-43:21E,h5km,ML2.6 ISCJB 22 21:23:27.3:0.4,38:71N-43:21E:0.03,h11km,4km, Error ellipse: s-maj=4.5km s-min=3.6km az=166.6

ATA 22 22:01:58.1:1.3,38:91N-43:60E,h7km,34km,MD3.2, ML3.6, MW3.1 DDA 22 22:01:59.9,38:91N-43:53E,h9km,ML3.2 ISK 22 22:01:59.3,38:94N-43:55E,h5km,MD3.0 CSEM 22 22:02:00.3:0.2,38:93N-43:53E,h2km,ML3.2, Error ellipse: s-maj=5.6km s-min=4.3km az=108.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Maungataniwha, Aropanoani, Black Stump Fm, McNeill Hill, Kahurangi, Kaweka Forest, Kereru, Black Hill Sta, Porangahau.

NCC 22 22:19:52.0:6.6,37:54N-171:76E,h0km,mb3.8,mpv3.4, 1C-7D, Error ellipse: s-maj=58.7km s-min=20.1km az=162.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Dzerino, Sufti-Kurgan, Manas, Karatay Array, Black Hill Sta.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Van, Bitlis Adilcev, Gevas, Caldiran, Hanur-Agry, Karacoban, HAKT, HAKKARI, Siirt, SRTM, ESKIRT, EATA, TASBURUN-IGDIR, CUKT, HOMI, SVAN, BTMN, SENKAYA-ERZURU.

ISC 22 22:02:00.3:0.2,38:93N-43:53E:0.02,h9km,5km, n47, <057/59, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Van, Bitlis Adilcev, Gevas, Caldiran, Hanur-Agry, Karacoban, HAKT, HAKKARI, Siirt, SRTM, ESKIRT, EATA, TASBURUN-IGDIR, CUKT, HOMI, SVAN, BTMN, SENKAYA-ERZURU.

MEX 22 22:25:08.5:0.4,13:83N-92:33W,h22km,23km,MD3.9, Off coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Tanohata, Miyakonagasaki, Nango, Kuzumaki, Ohama, Ofunato, Tenmabayashi, Ichinoseki, Hinai, Ashikawa, Matsushiro, Matsushiro, Ofunato.

NIED 22 22:35:00.39:90N:142:30E,h44km,Mw3.8 Best double couple: M5.89000:1014 NP1:209.00000, &21.00000, &100.00000, NP2:18.00000, &70.00000, &86.00000, &100.00000, JMA 22 22:35:46.7:0.1,39:94N:142:32E,h43km,1km, M3.6 IDC 22 22:35:53.6:2.2,39:74N:141:99E,h103km,19km,mb3.4/5, mb1.3/4.8, mb1mx3.2/43, mbtmpp.3/7.8, MS2.7/2, Ms1.2/7.2, ms1.2x2.5/19, Error ellipse: s-maj=33.1km s-min=16.1km az=92.0

ISC 22 22:35:45.0:1.6,39:94N:142:43E:0.107,h29km,11km, n25, <1894/29,mb3.8/5, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Tanohata, Miyakonagasaki, Nango, Kuzumaki, Ohama, Ofunato, Tenmabayashi, Ichinoseki, Hinai, Ashikawa, Matsushiro, Matsushiro, Ofunato.

MEX 22 21:27:35.1:0.8,16:32N-99:42W,h16km,8km,MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Acapulco, El Cayaco, Pinig, Tlapa, Mezcala, Platanillo, Puente Sto Nin, Zihuatanejo.

ISC 22 21:44:28.7:38:74N-43:00E,h23km,MD2.5 ISCJB 22 21:44:30.2:1.1,38:69N:0:05:43:7E:0.1,h13km, Error ellipse: s-maj=12.7km s-min=5.8km az=16.3

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Acapulco, El Cayaco, Pinig, Tlapa, Mezcala, Platanillo, Puente Sto Nin, Zihuatanejo.

ISC 22 21:44:30.7:1.3,38:75N-43:03:43:57E:0.06,h13km,n18, <182/23, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Acapulco, El Cayaco, Pinig, Tlapa, Mezcala, Platanillo, Puente Sto Nin, Zihuatanejo.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Van, Bitlis Adilcev, Gevas, Caldiran, Hanur-Agry, Karacoban, HAKT, HAKKARI, Siirt, SRTM, ESKIRT, EATA, TASBURUN-IGDIR, CUKT, HOMI, SVAN, BTMN, SENKAYA-ERZURU.

ISC 22 22:02:00.3:0.2,38:93N-43:53E:0.02,h9km,5km, n47, <057/70, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Van, Bitlis Adilcev, Gevas, Caldiran, Hanur-Agry, Karacoban, HAKT, HAKKARI, Siirt, SRTM, ESKIRT, EATA, TASBURUN-IGDIR, CUKT, HOMI, SVAN, BTMN, SENKAYA-ERZURU.

ISCJB 22 22:40:20.7:0.5,23:74N:0:02:122:05E:0.03,h16km,6km, Error ellipse: s-maj=4.9km s-min=2.4km az=138.2 JMA 22 22:40:21.1:23:70N:121:95E,h36km,3km, M2.5 TAP 22 22:40:22.0:23:78N:121:97E,h34km,ML2.8 C ISK 22 22:40:21.5:1.0,23:77N:0:03:121:97E:0.03,h32km,10km, n29, <057/57, 3C-1D, Taiwan

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Hualien, Chiawan, Shilin, Hualien, Chiawan, Shilin, Hualien, Chiawan, Shilin.





Q44A Meyer Farm, Va baz=160	54.90 344	P	P	23 11 33.3 -0.8
R41A Rosebud	55.00 342	P	P	23 11 34.1 -0.8
S39A Bolivar	55.06 340	P	P	23 11 34.8 -0.6
T37A Cheneyville 18	55.11 338	P	P	23 11 35.5 -0.2
U35A Pawnee	55.12 336	P	P	23 11 35.4 -0.4
U35A Pawnee	55.12 336	eP	P	23 11 36.3 +0.5
P46A Roseale	55.13 346	P	P	23 11 34.8 -1.0
S38A Stockton	55.21 339	P	P	23 11 35.4 -1.0
R40A Maddies Statio	55.27 341	P	P	23 11 36.0 -0.8
Q42A Golden Eagle	55.32 343	P	P	23 11 36.7 -0.5
MNTX Cornudas Mount	55.35 326	P	P	23 11 36.9 +0.6
MNTX Cornudas Mount	55.35 326	eP	P	23 11 37.2 -0.4
T36A Boggs Farm, Ca	55.40 337	P	P	23 11 37.7 -0.1
T35A Sooner Cattle	55.52 337	P	P	23 11 38.5 -0.1
R39A Chumby, Stover	55.53 340	P	P	23 11 38.4 -0.3
Q41A Truxton	55.56 342	P	P	23 11 38.3 -0.6
S37A Fort Scott	55.64 339	P	P	23 11 39.1 -0.4
M54A Oil Creek Stat	55.68 354	P	P	23 11 39.9 +0.2
R38A Fenwick Farm,	55.71 340	P	P	23 11 39.4 -0.6
P43A Skaggs, Pawnee	55.73 344	P	P	23 11 39.9 -0.1
MSTX Muleshoe	55.78 330	P	P	23 11 40.1 -0.6
MSTX Muleshoe	55.78 330	eP	P	23 11 40.6 -0.1
Q40A Laux Farm, Aux	55.85 342	P	P	23 11 40.3 -0.7
T34A McClaskey Farm	55.87 336	P	P	23 11 41.0 -0.2
S36A Lake Cedric, C	55.88 338	P	P	23 11 41.1 -0.1
P42A Winchester	55.90 343	P	P	23 11 41.1 -0.1
AMTX Amarillo	56.00 331	P	P	23 11 41.5 -0.7
U32A Winter Ranch,	56.05 334	P	P	23 11 42.2 -0.3
S35A Otter Creek Ra	56.12 337	P	P	23 11 42.6 -0.3
R37A Teagarden Farm	56.14 339	P	P	23 11 42.6 -0.4
P41A Barry, Barry	56.18 343	P	P	23 11 42.5 -0.9
Q39A Willow Grove F	56.18 341	P	P	23 11 42.9 -0.4
Q38A Cooks Store, C	56.31 340	P	P	23 11 43.7 -0.5
P40A Paris	56.34 342	P	P	23 11 43.7 -0.7
R36A Gordon, Harris	56.38 338	P	P	23 11 44.4 -0.4
P39B Salisbury	56.52 341	P	P	23 11 45.0 -0.7
HDIL Hopedale	56.53 345	P	P	23 11 44.7 -1.0
O41A Passleys Farm,	56.54 343	P	P	23 11 44.7 -1.2
R35A Emporia Munici	56.64 338	P	P	23 11 46.4 -0.2
M44A Midewin, Midew	57.01 346	P	P	23 11 48.9 -0.2
R34A Isabella, Hill	57.01 337	P	P	23 11 49.0 -0.2
Q35A Mercer Eighty,	57.05 338	P	P	23 11 49.2 -0.3
P37A Lathrop	57.12 340	P	P	23 11 49.0 -0.9
121A Cookes Peak, D	57.31 325	P	P	23 11 51.9 +0.2
121A Cookes Peak, D	57.31 325	eP	P	23 11 52.1 +0.5
319A Douglas	57.32 323	eP	P	23 11 52.6 +0.9
BNN Barren Site	57.39 327	eP	P	23 11 56.6 +0.8
P34A Walnut Farm, R	57.95 338	P	P	23 11 55.6 -0.2
LPM Los Pinos Moun	58.02 327	eP	P	23 11 57.4 +0.8
LAZ Ladron	58.36 327	eP	P	23 12 00.0 +1.0
ANMO Albuquerque	58.41 327	P	P	23 11 59.4 0.0
ANMO Albuquerque	58.41 327	eP	P	23 11 59.7 +0.3
CBKs Cedar Bluff	58.43 335	P	P	23 11 59.6 +0.4
FRNY Flat Rock	58.62 359	eP	P	23 12 01.7 +1.3
K42A Prairie Point,	58.63 346	P	P	23 12 00.3 -0.2
O33A Hebron	58.69 338	P	P	23 12 00.6 -0.3
TUC Tucson	58.88 322	P	P	23 12 02.6 0.0
TUC Tucson	58.88 322	eP	P	23 12 03.0 +0.5
T25A Trinidad	59.12 331	P	P	23 12 04.3 +0.1
T25A Trinidad	59.12 331	eP	P	23 12 05.1 +0.8
I42A Oregon Farm,	59.58 346	P	P	23 12 08.4 +1.4
214A Organ Pipe Nat	59.86 321	P	P	23 12 09.7 +0.4
214A Organ Pipe Nat	59.86 321	eP	P	23 12 09.6 +0.3
X18A Snowflake	60.00 325	eP	P	23 12 11.4 +1.1
SDCO Great Sand Dun	60.12 330	P	P	23 12 11.5 +0.3
SDCO Great Sand Dun	60.12 330	eP	P	23 12 11.8 +0.6
W18A Petrified Fore	60.31 325	P	P	23 12 12.9 +0.4
W18A Petrified Fore	60.31 325	eP	P	23 12 13.5 +1.0
I38A Scanlan Farm,	60.58 344	P	P	23 12 13.4 -0.5
H40A Chili	60.62 345	P	P	23 12 13.3 -0.8
X16A Lo Mia Camp, P	60.77 323	eP	P	23 12 16.6 +1.0
S22A 4UR Ranch, Cre	60.77 329	P	P	23 12 15.3 -0.4
Q24A Divide	60.92 331	P	P	23 12 16.5 -0.2
Q24A Divide	60.92 331	eP	P	23 12 17.1 +0.4
113A Mohawk Valley,	61.01 321	eP	P	23 12 17.0 +0.1
MVCO Mesa Verde	61.21 328	P	P	23 12 18.8 +0.2
MVCO Mesa Verde	61.21 328	eP	P	23 12 19.2 +0.6
Y14A Wickenburg	61.35 322	eP	P	23 12 20.1 +0.7
F41A Three Lakes	61.38 347	P	P	23 12 19.0 -0.2
G39A Holcombe	61.44 345	P	P	23 12 19.2 -0.4
W38A Ridgeand	61.50 345	P	P	23 12 18.4 -1.7
GUAZ Wupatki	61.52 324	P	P	23 12 21.2 +0.6
WUAZ Wupatki	61.52 324	eP	P	23 12 21.8 +1.2
E43A Lone Tree Farm	61.55 349	P	P	23 12 19.7 -0.7
ECSD EROS Data Cent	61.59 340	P	P	23 12 20.3 -0.4
ECSD EROS Data Cent	61.59 340	eP	P	23 12 20.6 0.0

F40A 26nm,1.6s Park Falls	61.78 346	P	P	23 12 21.7 -0.2
E42A Champion	61.79 348	P	P	23 12 22.0 0.0
SPMN Marine on St.	61.81 344	P	P	23 12 21.3 -0.8
ISCO Idaho Springs	61.81 332	P	P	23 12 22.8 +0.2
ISCO Idaho Springs	61.81 332	eP	P	23 12 23.4 +0.8
GLA Glamis	61.85 320	P	P	23 12 21.7 -1.0
H35A Sunnyside Ranc	61.90 342	P	P	23 12 22.1 -0.7
PV01 Paradox Valley	61.95 328	eP	P	23 12 24.3 +0.8
SMCO Snowmass	61.96 330	eP	P	23 12 24.9 +1.1
Y12C Blythe	62.14 321	P	P	23 12 24.9 +0.3
Y12C Blythe	62.14 321	eP	P	23 12 25.8 +1.2
H34A Spellman Lake,	62.16 341	P	P	23 12 24.5 0.0
PV05 Paradox Valley	62.18 328	eP	P	23 12 25.5 +0.5
E40A Wakefield	62.23 347	P	P	23 12 25.1 +0.1
F38A Blythe - Schro	62.24 345	P	P	23 12 25.0 -0.1
E39A Mellen	62.31 346	P	P	23 12 25.2 -0.3
IKP In-Ko-Pah, Jac	62.39 319	P	P	23 12 27.1 +0.7
H33A Prehn Over Nor	62.47 341	P	P	23 12 26.3 -0.3
F36A Milaca	62.59 344	P	P	23 12 27.9 +0.6
BC3 Big Chuckawall	62.65 320	P	P	23 12 28.3 +0.2
W13A Hualapai Mount	62.67 322	eP	P	23 12 29.7 +1.3
U15A North Rim	62.69 325	eP	P	23 12 29.6 +1.1
E38A The Farm, Brul	62.77 345	P	P	23 12 28.5 0.0
IRM Iron Mountain	62.79 321	P	P	23 12 29.5 +0.5
F35A Swanville	62.88 343	P	P	23 12 28.8 -0.5
E36A McGregor	63.12 344	P	P	23 12 31.0 +0.1
BELC Belle Mtn. Jos	63.21 320	P	P	23 12 32.7 +0.8
PFO Pinyon Flats O	63.24 320	P	P	23 12 32.8 +0.7
O20A White River Ci	63.32 330	P	P	23 12 33.2 +0.6
O20A White River Ci	63.32 330	eP	P	23 12 32.8 +0.2
F33A 5 Mile Ranch,	63.37 342	P	P	23 12 32.5 -0.1
KNB Kanab	63.41 325	eP	P	23 12 34.8 +1.6
D37A Cotton	63.50 345	P	P	23 12 33.1 -0.2
GMRC Granite Mounta	63.53 321	P	P	23 12 33.8 -0.1
C39A Granite Marais	63.58 347	P	P	23 12 32.9 -1.0
LCMT Little Creek M	63.64 324	eP	P	23 12 35.9 +1.2
SRU San Rafael Swe	63.69 328	eP	P	23 12 35.8 +0.8
MTPU Mount Pierson	63.79 326	eP	P	23 12 36.9 +1.0
P18A Preston Nutter	63.93 328	eP	P	23 12 37.8 +1.1
SZCU Shurtz Canyon	63.97 325	eP	P	23 12 38.3 +1.4
C37A Embarrass	63.97 345	P	P	23 12 36.2 -0.2
EYMN Ely	64.01 346	P	P	23 12 36.3 -0.4
F31A Hecla	64.01 340	P	P	23 12 36.3 -0.4
RWWY Rawlins	64.04 332	eP	P	23 12 38.9 +1.5
P17A Butcher Ranch,	64.07 328	eP	P	23 12 38.4 +0.9
CCUT Cedar Cliff	64.09 325	eP	P	23 12 38.2 +0.5
MSU Marysville	64.12 326	eP	P	23 12 39.0 +1.0
C36A Pine Crest Far	64.16 345	P	P	23 12 37.3 -0.4
TMUT Trail Mountain	64.18 327	eP	P	23 12 39.3 +0.9
SHPR Sheep Range	64.39 323	eP	P	23 12 40.9 +1.3
K22A Casper	64.50 333	P	P	23 12 40.5 +0.3
GSC Goldstone, Bar	64.57 321	P	P	23 12 41.1 +0.3
GSC Goldstone, Bar	64.57 321	eP	P	23 12 42.1 +1.3
C34A RKJ Ranch, Bem	64.61 343	P	P	23 12 40.2 -0.5
RSSD Black Hills	64.64 335	P	P	23 12 41.4 +0.2
MPU Map Canyon	64.93 328	eP	P	23 12 44.2 +1.1
B35A Bob, Littlefor	64.94 345	P	P	23 12 42.3 -0.4
EDW2 Edwards Air Fo	65.03 320	P	P	23 12 44.1 +0.4
NLU North Lily Min	65.12 327	eP	P	23 12 45.5 +1.2
BLG Laguna Peak, P	65.22 318	P	P	23 12 45.0 +0.1
LRMC Laurel Mtn Rad	65.23 320	P	P	23 12 45.6 +0.5
JLU Jordanelle	65.27 328	eP	P	23 12 46.6 +1.2
B34A Aery, Baudette	65.30 344	P	P	23 12 44.9 -0.2
TPNV Topopah Spring	65.33 322	P	P	23 12 46.4 +0.6
TPNV Topopah Spring	65.33 322	eP	P	23 12 47.3 +1.5
FURC Furnace Creek,	65.38 322	P	P	23 12 46.5 +0.7
AGMN Agassiz Nation	65.47 343	P	P	23 12 46.0 -0.2
MPMC Manual Prospec	65.49 321	P	P	23 12 46.7 -0.1
C31A Landman Farms,	65.56 342	P	P	23 12 47.2 +0.4
TCUT Toone Canyon	65.63 329	eP	P	23 12 48.7 +1.0
DUG Dugway, Tooele	65.68 327	P	P	23 12 48.6 +0.7
DUG Dugway, Tooele	65.68 327	eP	P	23 12 49.2 +1.3
DAC Darwin (Calif)	65.69 321	eP	P	23 12 49.1 +1.0
B32A Astle, Strandq	65.75 343	P	P	23 12 48.0 +0.1
ISA Isabella, Lake	65.84 320	P	P	23 12 49.5 +0.6
R11A Troy Canyon, C	65.90 324	P	P	23 12 50.0 +0.6
R11A Troy Canyon, C	65.90 324	eP	P	23 12 50.6 +1.2
A33A Warroad	65.92 344	P	P	23 12 49.3 +0.3
BW06 Boulder Array	65.98 331	P	P	23 12 49.7 -0.1
BW06 Boulder Array	65.98 331	eP	P	23 12 50.0 +0.1
PDAR Pinedale Array	65.98 331	P	P	23 12 49.9 0.0
HWUT Hardwre Ranch	66.08 329	eP	P	23 12 50.5 +0.1
CWC Cottonwood Cre	66.10 321	P	P	23 12 51.0 +0.3
PKM Mchpenson Peak	66.19 319	P	P	23 12 51.5 +0.2
MDND Maddock	66.20 340	P	P	23 12 52.3 +1.5

MDND Maddock	66.20 340	eP	P	23 12 51.6 +0.7
SPUT South Promonto	66.30 328	eP	P	23 12 52.6 +0.7
BGU Big Grassy Mou	66.32 327	eP	P	23 12 52.7 +0.7
VES Vestal, Richgr	66.33 320	P	P	23 12 52.5 +0.5
HVU Hansa Valley	66.81 328	eP	P	23 12 55.4 +0.2
REDW Red Top Meadow	67.04 331	eP	P	23 12 57.9 +0.9
TPAW Teton Pass	67.19 331	eP	P	23 12 58.4 +0.8
ULM Lac du Bonnet	67.24 344	P	P	23 12 56.6 -0.8
MOOY Moose Ponds	67.28 331	eP	P	23 12 59.4 +1.3
FXWV Fox Creek	67.33 331	eP	P	23 12 59.2 +0.7
IMW Indian Meadow	67.49 331	eP	P	23 13 00.4 +0.9
LAO LASA Array	67.62 336	P	P	23 13 00.7 +0.7
RLMT Red Lodge	67.66 333	P	P	23 13 01.0 +0.5
YMR Madison River	68.09 331	eP	P	23 13 05.0 +1.8
YHH Holme Hill	68.12 332	eP	P	23 13 05.2 +1.7
WAKR Walker	68.26 322	eP	P	23 13 06.5 +2.2
DGMT Dagmar	68.32 338	eP	P	23 13 05.3 +1.0
YERR Yerington	68.45 322	eP	P	23 13 07.1 +1.5
PNTR Pine Nut	68.73 322	eP	P	23 13 04.3 -3.0
SCHO Schefferville	68.80 4 P	P	P	23 13 07.6 +0.5
HLID Hailey	68.94 329	P	P	23 13 09.1 +0.6
HLID Hailey	68.94 329	eP	P	23 13 09.8 +1.3
PAHR Pah Rah Range	69.00 323	eP	P	23 13 10.5 +1.6
MCMT McKenzie Canyo	69.09 330	eP	P	23 13 10.9 +1.4
BOZ Bozeman (W)	69.10 332	eP	P	23 13 08.4 -1.0
DLMT Dillon	69.37 331	eP	P	23 13 12.7 +1.7
MFID Camas Ranch	69.56 328	eP	P	23 13 13.1 +0.9
EGMT Eagleton	70.14 334	P	P	23 13 16.2 +0.5
ORV Oroville	70.16 322	eP	P	23 13 17.0 +1.2
SNAW Snaae	70.39 162	P	P	23 13 18.1 +1.3
SNAW Snaae	70.39 162	eP	P	23 13 17.9 +1.1
MOD Modoc Plateau	70.96 324	eP	P	23 13 22.1 +1.2
MSO Missoula	71.09 331	P	P	23 13 22.2 +0.8
MSO Missoula	71.09 331	eP	P	23 13 22.9 +1.5
F10A Beach Ranch, E	72.06 329	eP	P	23 1



Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like GSC Goldstone, EDW Edwards Air Force, BOS Boshof, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like H11S3 WAKE ISLAND, H11N3 WAKE ISLAND, H11N1 WAKE ISLAND, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like GTA comp=E,110nm,5.2s, GTA comp=E,120nm,20.9s, etc.





Table with columns: Station Name, Frequency, Power, and other parameters. Includes stations like MOS, BZS, KWP, ARU, etc.

Table with columns: Station Name, Frequency, Power, and other parameters. Includes stations like MOTA, FINES, KSH, FETA, etc.

Table with columns: Station Name, Frequency, Power, and other parameters. Includes stations like SJA, GUC, Code, Station Name, etc.





SENK Senkaya-Erzuru 2.02 341 ePn Pn 00 48 50.3 -0.6
BINI Bingol 2.15 277 ePn Pn 00 48 49.8 0.0

TAP 23 01:21:09.0,23:88N:121:58E,h38km,1km,ML2.6,D,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like HWA Hwalien, ESL Shiin, TWD Chiawan, etc.

IDC 23 01:23:34.8:2.1,0.75SS:127.74E,h0km,mb3.0/3,
mb1 3.3/3,mb1mx3.2/22,mbtmp3.1/3,Error ellipse:
s-maj=172.8km s-min=25.5km az=67.0, Halmahera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

CSEM 23 01:33:38.3,38:70N:43:43E,h7km,MD2.3
DDA 23 01:33:38.3,38:70N:43:43E,h7km,MD2.3,Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like TVAN Van, VMUR Van-Muradiye, CLDR Caldiran, etc.

CSEM 23 01:34:19.5,41:36N:44:10E,h0km,ML1.4
TIF 23 01:34:20.2,41:42N:44:07E,h1km,Western Caucasus

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like BGD Bogdanovka, AKH Akhalkalaki, DUS Dusheti, etc.

s-min=10.2km az=72.0
GUC 23 01:43:47.0:0.6,22:82S:68:41W,h152km,7km,ML5.5
NEIC 23 01:43:47.0:0.6,22:82S:68:41W,h152km,mb5.1/242,
After [I]I]C.

NEIC Felt [I]I] at Tocopilla and [I]I] at Oficina Maria Elena. Also
felt at Calama.

BUJ 23 01:43:47.4,22:80S:68:00W,h141km,mb5.2/20
MOS 23 01:43:48.8:1.1,22:56S:68:03W,h156km,mb5.1/42,
Error ellipse: s-maj=14.0km s-min=6.3km az=111.9

ISC 23 01:43:46.8:0.4,22:89S:0:03:68:10W,0.04,h140km,3km,
h140km,pp-P,mb10.3,0.19:29/1067,mb5.2/252,25C-11D,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like LVC Limon Verde, PB06 IPOC Station P, PB07 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like GRGR Grenville, RCBR Riachuelo, RPN Rapa Nui, etc.



23d 1h

319A	Douglas	66.84	322	eP	P	01 54 25.1	+1.3
M43A	Waltham Townsh	66.86	343	P	P	01 54 22.4	-1.1
121A	Cookes Pond D	66.89	324	P	P	01 54 25.6	+1.4
LBNH	Lisbon	66.89	357	eP	P	01 54 24.7	+1.0
LBNH	Lisbon	66.89	357	eP	P	01 54 24.7	+1.0
O38A	Galt	67.00	339	P	P	01 54 23.9	-0.5
VT1	Waterbury	67.02	356	eP	P	01 54 25.4	+0.9
N40A	Mertquake, Sal	67.10	341	P	P	01 54 24.2	-0.9
WVL	Waterville	67.14	359	eP	P	01 54 26.2	+1.0
P36A	Good Intent, A	67.14	338	P	P	01 54 24.6	-0.8
Q34A	Chapman	67.16	336	P	P	01 54 25.0	-0.5
KSU1	Kansas State U	67.19	336	eP	P	01 54 25.1	-0.6
KSU1	Kansas State U	67.19	336	eP	P	01 54 25.3	-0.4
M41A	Milan	67.24	342	P	P	01 54 24.8	-1.1
O37A	Wolven Farm, M	67.26	339	P	P	01 54 25.6	-0.5
EMMW	East Machias	67.27	0	eP	P	01 54 26.8	+0.8
L44A	Lake County Fo	67.28	344	P	P	01 54 24.8	-1.4
QSPA	South Pole Qui	67.31	180	eP	P	01 54 27.7	+1.4
P35A	Duane Minner,	67.35	337	P	P	01 54 26.0	-0.7
N39A	Derby Farms, D	67.37	340	eP	P	01 54 26.0	-0.9
LONV	Lake Ozonia	67.44	355	eP	P	01 54 27.6	+0.4
L43A	Garden Prairie	67.50	344	P	P	01 54 26.8	-0.8
O36A	Golckow	67.51	338	P	P	01 54 26.9	-0.9
BNN	Barren Site	67.53	326	eP	P	01 54 29.3	+1.1
N38A	Joess South For	67.53	340	eP	P	01 54 27.0	-0.8
M40A	Post Highland	67.55	341	P	P	01 54 27.1	-0.9
FRNY	Flat Rock	67.58	356	eP	P	01 54 28.6	+0.6
L42A	Oliver, Polo	67.58	343	P	P	01 54 27.0	-1.1
LPM	Los Pinos Moun	67.56	326	eP	P	01 54 30.0	+1.0
P34A	Walnut Farm, R	67.56	336	P	P	01 54 28.6	-0.1
GGN	Saint George	67.62	1	eP	P	01 54 29.5	+0.9
N37A	Lee Faris, Mou	67.62	339	P	P	01 54 29.2	-0.4
M39A	Webster	67.62	341	P	P	01 54 28.6	-1.0
PKME	Peaks-Kenny Ph	67.63	359	eP	P	01 54 30.1	+0.6
L41A	Preston	67.68	342	P	P	01 54 28.9	-1.1
K43A	Burlington	67.68	344	P	P	01 54 29.2	-0.8
LAZ	Ladron	67.69	326	eP	P	01 54 32.3	+1.2
LIC	Lamto	68.06	73	eP	P	01 54 31.0	-0.7
ANMO	Albuquerque	68.06	327	eP	P	01 54 32.5	+0.9
ANMO	Albuquerque	68.06	327	eP	P	01 54 32.1	+0.5
ANMO	Albuquerque	68.06	327	eP	P	01 55 07.0	+1.5
ANMO	Albuquerque	68.06	327	eP	P	01 54 32.4	+0.9
L40A	Anamos	68.07	342	P	P	01 54 30.3	-0.9
M38A	Pleasantville	68.08	340	P	P	01 54 30.5	-0.7
PLVO	Plevn	68.09	353	eP	P	01 54 31.8	+0.6
N36A	Muff Farm, Cla	68.12	338	P	P	01 54 31.2	-0.3
CBKS	Cedar Bluff	68.16	334	P	P	01 54 32.3	+0.5
CBKS	Cedar Bluff	68.16	334	eP	P	01 54 32.4	+0.5
CBKS	Cedar Bluff	68.16	334	eP	P	01 54 32.4	+0.5
CBKS	Cedar Bluff	68.16	334	eP	P	01 54 32.4	+0.5
O34A	Beatrice	68.17	337	P	P	01 54 31.4	-0.5
K42A	Prairie Point,	68.21	343	P	P	01 54 31.4	-0.6
TIC	Toumudi	68.26	72	eP	P	01 54 32.3	-0.7
K41A	Shullsburg	68.31	343	P	P	01 54 32.1	-0.6
M37A	Trindle Farm,	68.35	339	P	P	01 54 32.8	-0.1
L39A	Vinton	68.36	341	P	P	01 54 32.1	-0.8
KIC	Kosan Boka	68.38	73	eP	P	01 54 33.3	-0.4
TUC	Tucson	68.39	322	P	P	01 54 34.5	+1.1
TUC	Tucson	68.39	322	eP	P	01 54 34.6	+1.1
TUC	Tucson	68.39	322	eP	P	01 54 34.6	+1.1
TUC	Tucson	68.39	322	eP	P	01 54 34.6	+1.1
N35A	Tabor	68.40	338	P	P	01 54 32.6	-0.6
O33A	Hebron	68.41	336	P	P	01 54 33.2	-0.2
DBIC	Dimbokro	68.42	73	eP	P	01 54 33.6	-0.4
DBIC	Dimbokro	68.42	73	eP	P	01 54 33.7	-0.2
LMN	Caledonia Moun	68.47	2	eP	P	01 54 33.8	+0.2
SCIA	State Center	68.53	340	eP	P	01 54 33.6	-0.4
J43A	Natural Harves	68.54	344	P	P	01 54 33.5	-0.6
JFWS	Jewell Farm	68.58	343	eP	P	01 54 33.8	-0.5
JFWS	Jewell Farm	68.58	343	eP	P	01 54 33.8	-0.5
JFWS	Jewell Farm	68.58	343	eP	P	01 54 33.8	-0.5
K40A	Colesburg	68.63	342	P	P	01 54 33.9	-0.8
M36A	Felix, Anita	68.64	339	P	P	01 54 34.2	-0.6
J42A	Columbus	68.66	344	P	P	01 54 34.2	-0.6
L38A	Oak Wood Farm,	68.66	340	P	P	01 54 34.0	-0.9
N34A	Lincoln	68.68	337	P	P	01 54 34.4	-0.6
T25A	Trinidad	68.81	329	P	P	01 54 37.0	+0.9
T25A	Trinidad	68.81	329	eP	P	01 54 37.1	+0.9
K39A	Oelwein	68.86	341	P	P	01 54 35.1	-0.9
L37A	Phoenix Point,	68.90	340	P	P	01 54 35.6	-0.7
N33A	J Bar K, Exete	68.94	336	P	P	01 54 36.4	-0.2
J41A	Loganville	68.94	343	P	P	01 54 36.0	-0.5
MHTCO	State Highway	68.94	329	eP	P	01 54 38.0	+1.1
I43A	Langeland Bro	68.94	345	P	P	01 54 35.9	-0.7
M35A	Neola	68.95	338	P	P	01 54 36.1	-0.6
TRQ	Mont Tremblant	69.03	355	eP	P	01 54 37.1	0.0
K38A	Parkersburg	69.07	341	P	P	01 54 36.6	-0.7
I42A	Draeger Farm,	69.14	344	P	P	01 54 37.3	-0.4

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J40A	Soldiers Grove	69.17	343	P	P	01 54 37.2	-0.7
L36A	Harm Buss Farm	69.17	339	P	P	01 54 37.5	-0.5
M34A	Asp Farms, Fr	69.29	337	P	P	01 54 38.4	-0.4
214A	Organ Pipe Nat	69.30	320	P	P	01 54 40.6	+1.5
J39A	Decorah	69.38	342	P	P	01 54 38.5	-0.8
H43A	Windswept, Lx	69.40	345	P	P	01 54 38.7	-0.7
K37A	Belmond	69.44	340	P	P	01 54 38.7	-0.9
L35A	Bielow Farm, R	69.47	339	P	P	01 54 39.4	-0.5
I41A	Arkdale	69.54	343	P	P	01 54 39.6	-0.7
KSCO	Kay Shedlock	69.54	332	P	P	01 54 41.4	+0.8
KSCO	Kaye Shedlock	69.54	332	eP	P	01 54 41.4	+0.8
M33A	Taylor Creek F	69.57	337	P	P	01 54 39.9	-0.6
X18A	Snowflake	69.58	324	eP	P	01 54 42.4	+1.5
K36A	Gilmore City	69.58	340	P	P	01 54 40.1	-0.4
I40A	Norwalk	69.59	343	P	P	01 54 39.9	-0.7
J38A	Wedel Dairy, R	69.59	341	P	P	01 54 39.7	-0.9
H42A	Shiocton	69.62	345	P	P	01 54 40.2	-0.5
L34A	Svendsen Farm,	69.63	338	P	P	01 54 40.2	-0.5
BGNE	Belgrade	69.78	336	eP	P	01 54 41.9	+0.1
BGNE	Belgrade	69.78	336	eP	P	01 54 42.0	+0.1
I39A	Hotchkiss	69.81	342	P	P	01 54 41.3	-0.6
SDCO	Great Sand Dun	69.82	329	P	P	01 54 43.5	+1.0
SDCO	Great Sand Dun	69.82	329	eP	P	01 54 43.5	+1.0
W18A	Petrified Fore	69.91	325	P	P	01 54 44.2	+1.2
W18A	Petrified Fore	69.91	325	eP	P	01 54 44.1	+1.2
J37A	Redenius Farm,	69.91	340	P	P	01 54 41.9	-0.7
K35A	Storm Lake	69.92	339	P	P	01 54 42.1	-0.4
H41A	Junction City	70.01	344	P	P	01 54 42.4	-0.6
F45A	CMU Biological	70.06	347	P	P	01 54 42.7	-0.6
L33A	Hotchkiss	70.12	337	P	P	01 54 43.2	-0.6
G43A	Wallace	70.13	345	P	P	01 54 43.0	-0.8
J36A	Seneca, I, Swea	70.17	340	P	P	01 54 43.5	-0.6
K34A	Le Mars	70.17	338	P	P	01 54 43.6	-0.6
H40A	Chil	70.20	343	P	P	01 54 43.7	-0.6
I38A	Scanlan Farm,	70.21	342	P	P	01 54 43.7	-0.6
L32A	Elgin	70.25	337	P	P	01 54 44.2	-0.4
G42A	Mountain	70.29	345	P	P	01 54 44.1	-0.6
X16A	Lo Mia Camp, P	70.31	323	eP	P	01 54 47.0	+1.6
K33A	Harmon	70.41	338	P	P	01 54 45.5	-0.1
G41A	Antigo	70.44	344	P	P	01 54 45.2	-0.5
113A	Mohawk Valley,	70.45	320	eP	P	01 54 47.4	+1.4
S22A	4UR Ranch, Cre	70.45	328	P	P	01 54 47.2	+0.8
S22A	4UR Ranch, Cre	70.45	328	eP	P	01 54 47.3	+1.0
J35A	Milford	70.48	339	P	P	01 54 45.2	-0.8
H39A	Augusta	70.50	343	P	P	01 54 45.2	-0.8
I37A	Le Mond, Waseca	70.50	341	P	P	01 54 45.6	-0.5
F44A	Big Bay de Noc	70.52	347	P	P	01 54 45.6	-0.6
F43A	Flat Rock, Esc	70.55	346	P	P	01 54 45.6	-0.7
E45A	Wooded Hills,	70.63	348	P	P	01 54 46.4	-0.4
Q24A	Divide	70.63	330	P	P	01 54 48.3	+0.9
Q24A	Divide	70.63	330	eP	P	01 54 48.2	+0.9
J34A	George	70.66	339	P	P	01 54 46.6	-0.5
I36A	Fitzsimmons Fa	70.69	340	P	P	01 54 46.6	-0.6
F42A	Maple Grove Fa	70.70	345	P	P	01 54 46.7	-0.7
G40A	Rib Lake	70.76	344	P	P	01 54 47.1	-0.5
H38A	Maiden Rock	70.78	342	P	P	01 54 47.2	-0.6
K32A	Verdgre	70.80	337	P	P	01 54 47.2	-0.8
Y14A	Wickenburg	70.84	322	eP	P	01 54 49.9	+1.4
I35A	Creeview Farm	70.85	340	P	P	01 54 47.7	-0.5
MVCO	Mesa Verde	70.86	327	P	P	01 54 49.8	+1.1
MVCO	Mesa Verde	70.86	327	eP	P	01 54 49.8	+1.1
H37A	Dierke Farm, C	70.87					





ISCJB 23 02:15:26.9.0.5, 24.38N, 0103.122.07E, 0.02, h5km, 4km, Error ellipse: s-maj=4.4km s-min=2.9km az=158.4

TAP 23 02:15:26.7.24.04N, 122.04E, h7km, ML3.1, D JMA 23 02:15:27.0.0.2, 24.31N, 121.94E, h43km, 4km, M2.2

ISC 23 02:15:26.1.1.1, 24.35N, 102.122.09E, 0.03, h9km, 9km, n29, c075/52, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their parameters.

NNC 23 02:19:50.6.6.2, 44.12N, 83.84E, h23km, 25km, mb2.9, mpv2.5, Error ellipse: s-maj=50.7km s-min=23.1km az=125.0

SOME 23 02:19:54.7.4, 44.25N, 83.83E, h20km ISC 23 02:19:49.9.3.1, 43.93N, 01.84E, 0.1, h25km, n7, c204/11, 4C-20, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for the NNC and SOME events.

ISCJB 23 02:19:54.1.1.1, 110S, 0.08, 126.96E, 0.09, h10km, mb3.1/1, Error ellipse: s-maj=16.3km s-min=6.1km az=39.8

DJA 23 02:19:54.3.0.5, 1'S, 4.12' E, h10km, M3.2/5, MLv3.2/5 ICA 23 02:20:08.4.2.1, 2.52S, 127.56E, h0km, mb3.1/2, mb1 3.4/3, mb1mx3.3/25, mbtmp3.2/3, ML3.1/1, Error ellipse: s-maj=176.0km s-min=25.8km az=67.0

ISC 23 02:19:52.9.1.6, 1.05S, 0.1, 126.9E, 0.1, h10km, n6, c1906/9, Southern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for the DJA, ICA, and Southern Molucca Sea events.

Table with columns: NLAI, Namlea, 2.25 174 P, Pn, 02 20 31.0 +0.8, LAST, Lasithi, 1.66 83 P, Pn, 02 58 49.9 +2.7, etc.

NIED 23 02:54:00.39.10N, 142.50E, h29km, Mw3.6 Best double couple: M=2.62000e+10, N1=337.00000, S2=4.00000, lambda=102.00000, NP2=170.00000, delta=666.00000, phi=0.00000

ISCJB 23 02:54:20.6.1.1, 39.05N, 0104.142.53E, 0.07, h23km, 7km, mb3.6/7, Error ellipse: s-maj=9.6km s-min=6.3km az=4.6

JMA 23 02:54:22.5.0.1, 39.09N, 142.43E, h29km, 1km, M3.8 JMA Felli I, J1

ISC 23 02:54:25.1.2.9, 39.06N, 142.49E, h48km, 28km, mb3.4/7, mb1 3.5/9, mb1mx3.3/51, mbtmp3.6/9, ML3.1/2, MS2.6/3, Ms1 2.6/3, ms1mx2.5/22, Error ellipse: s-maj=30.3km s-min=19.4km az=90.0

ISC 23 02:54:20.7.2.0, 39.08N, 0104.142.49E, 0.07, h9km, 11km, n27, c189/30, mb3.7/7, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for the Honshu event.

ISCJB 23 02:58:19.5.0.8, 34.93N, 0106.23.39E, 0.05, h66km, 5km, mb3.6/6, Error ellipse: s-maj=11.3km s-min=5.6km az=30.2

THE 23 02:58:21.3.3, 34.95N, 23.42E, h19km, 1km, ML3.4/6, Error ellipse: s-maj=1.9km s-min=0.8km az=12.0

CSEM 23 02:58:21.9.0.5, 35.03N, 23.49E, h30km, ML3.2, Error ellipse: s-maj=11.4km s-min=4.3km az=35.0

ATH 23 02:58:21.8.35, 07N, 23.44E, h43km, 1km, ML3.2/4, Error ellipse: s-maj=3.4km s-min=1.3km az=47.0

ISC 23 02:58:21.2.2.1, 34.99N, 23.40E, h61km, 19km, mb3.5/6, mb1 3.5/11, mb1mx3.3/52, mbtmp3.6/11, MS2.9/1, Ms1 2.9/1, ms1mx2.2/38, Error ellipse: s-maj=24.2km s-min=19.2km az=161.0

ISC 23 02:58:20.4.1.0, 34.97N, 0105.23.47E, 0.05, h50km, 9km, n83, c1963/99, mb3.7/6, Crete

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for the Crete event.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for the 23d 3h period.

ISC 23 03:32:40.9.1.5, 36.63N, 2.85E, h0km, mb3.5/2, mb1 3.5/5, mb1mx3.2/52, mbtmp3.4/5, ML3.4/3, Error ellipse: s-maj=32.9km s-min=20.0km az=162.0

CRAAG 23 03:32:41.8, 36.66N, 2.95E, M3.6 CSEM 23 03:32:42.2.0.1, 36.69N, 2.90E, h10km, mb3.6, Error ellipse: s-maj=3.3km s-min=2.8km az=168.0

NEIC 23 03:32:42.3.2.0, 36.68N, 2.92E, h16km, 9km, ML3.4 (ALG), NEIC Felli III] at Algiers

MDD 23 03:32:42.9.0.6, 36.71N, 2.91E, h4km, 8km, mb3.6/3/7, Error ellipse: s-maj=7.7km s-min=4.3km az=108.0, PRXIMO

LDG 23 03:32:44.6.0.2, 36.64N, 3.02E, h20km, M3.0/10, Error ellipse: s-maj=3.0km s-min=3.0km az=172.0

ISC 23 03:32:42.3.1.1, 36.73N, 0103.2.92E, 0.03, h17km, 7km, n161, c1952/19, Northern Algeria

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for the Northern Algeria event.



Table with columns: MKAR, LR, LR, 04 05 41.9, etc. Includes stations like Makanchi Array, Kurchatov, Podgornoye, etc.

Table with columns: NB2, NRORSAR, NB20A, NOA, etc. Includes stations like NORSAR Array S, Kurchatov, etc.

Table with columns: SPSI, Sidrap Palu, 7.76 247, P, Pn, etc. Includes stations like JMA 23 03:49:01.5, etc.











Table with columns: ZLN, Zelenaya, 1.31 343 eP, Pn, 08 04 26.0 +1.2, etc.

MEX 23 08:19:54.7-0.5, 17.07N-101.46W, h17km, 17km, MD3.8,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 23 08:20:49.2-11.0, 11.28S-166.42E, h157km, 120km,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

ISK 23 08:25:58.1, 38.82N-43.11E, h6km, MD2.4

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 23 08:35:28.0-0.7, 2.93S-142.34E, h0km, mb4.2/9,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

Table with columns: PMG, Port Moresby, 8.05 143 Pn, 08 37 28.0 +0.2, etc.

H11S WAKE ISLAND Hy 32.09 48 T

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 23 09:00:24.0-1.6, 15.47S-172.75W, h0km, mb4.0/4,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

Table with columns: FSA, comp=Z, 1.0nm, 0.4s, 08 41 12.2, etc.

MEX 23 09:19:13.9-0.3, 32.26N-115.18W, h15km, 29km, MD3.7,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

EMSC East Mesa, 0.56 202 iP, Pn, 09 19 23.4 -0.7,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

ASAR Alice Springs 18.14 148 Pn 09 23 46.5 +2.7
ASAR Makanchi Array 66.06 30 P 09 27 04.9 +5.9
MKAR Makanchi Array 66.06 30 P 09 27 04.9 +2.9

MEX 23 09:29:59.0-0.8, 18.06Nm\*101.37W, h62km, 10km, MD3.9, Guerrero
Code Station Name A° AZ° Phase ID Time Res
ZIIG Zihuatanejo 0.46 192 eP 09 30 09.0 -1.8

NIED 23 09:37:00.32:90N, 140:20E, h2km, Mw3.8 Best double couple: M5.19000, 1014 NP1, 250 00000, 887 00000, 1.80, 00000, NP2, 346 00000, 890 00000, 1.3 00000, 0.8

HJCJ Hachiojimakas 0.41 308 P 09 37 43.1 +0.4
HJJC Mitsune 0.42 314 P 09 37 43.2 +0.4
HJH Hachiojima 2 0.45 312 P 09 37 43.3 +0.4

JMY Miyakejima3 1.37 336 S 09 38 11.4 +0.1
JKO Kozu shima 1.62 328 S 09 37 53.8 +0.4
BSO1 Boso 1 1.95 20 P 09 38 16.5 +0.4

TK02 Tokai 2 2.32 300 P 09 38 02.4 +0.9
TK04 Tokai 4 2.48 310 P 09 38 07.4 +1.1
JOD2 Odawara 2 2.60 340 P 09 38 05.8 +0.5

SHZ3 Shizuoka 3 2.78 324 P 09 38 08.5 +0.9
TT02 TONANKAI O.B.S. 2.80 290 P 09 38 07.8 +0.3
JYN Shimob 3.00 334 P 09 38 11.4 +1.0

WAKE ISLAND Hy 27.19 112 T 10 11 58.4
WAKE ISLAND Hy 27.19 112 T 10 11 57.9
WAKE ISLAND Hy 27.20 112 T 10 11 57.9

WAKE ISLAND Hy 27.73 114 T 10 12 27.5
WAKE ISLAND Hy 27.73 114 T 10 12 26.3
WAKE ISLAND Hy 27.74 114 T 10 12 26.3

WAKE ISLAND Hy 27.74 114 T 10 12 26.3
WAKE ISLAND Hy 27.74 114 T 10 12 26.3
WAKE ISLAND Hy 27.74 114 T 10 12 26.3

WAKE ISLAND Hy 27.74 114 T 10 12 26.3
WAKE ISLAND Hy 27.74 114 T 10 12 26.3
WAKE ISLAND Hy 27.74 114 T 10 12 26.3

WAKE ISLAND Hy 27.74 114 T 10 12 26.3
WAKE ISLAND Hy 27.74 114 T 10 12 26.3
WAKE ISLAND Hy 27.74 114 T 10 12 26.3

WAKE ISLAND Hy 27.74 114 T 10 12 26.3
WAKE ISLAND Hy 27.74 114 T 10 12 26.3
WAKE ISLAND Hy 27.74 114 T 10 12 26.3

KRALC Kraliky 1.45 167 Sg 09 39 40.1 -0.1
BRG Berggiesshubel 1.59 248 PG Pn 09 39 22.7 +0.4
BRG 09 39 42.8 -0.7

ATA 23 09:44:35.7:1.5, 38:61N, 43:38E, h12km, 20km, MD3.3, ML3.5, MW3.3
ISK 23 09:44:37.7:38:73N, 43:26E, h5km, MD2.9
DDA 23 09:44:38.8:38:69N, 43:21E, h7km, ML3.3

VANB Van 0.16 129 ePG 09 44 43.5 -0.1
VANB 0.16 129 eSG 09 44 47.7 +1.3
VANB 0.16 129 ePG 09 44 43.5 -0.1

GEVA Gevas 0.41 200 eP 09 44 51.9 -1.9
GEVA 0.41 200 eS 09 44 52.5
GEVA 0.41 200 eS 09 44 52.5

BITLIS Adilcev 0.41 286 iP 09 44 53.6 +0.2
BITLIS Adilcev 0.41 286 iS 09 44 53.6 +0.2
BITLIS Adilcev 0.41 286 iS 09 44 53.6 +0.2

TUT Tutak 0.78 335 iP 09 44 52.9 -1.9
TUT Tutak 0.78 335 iP 09 44 52.9 -1.9
TUT Tutak 0.78 335 iP 09 44 52.9 -1.9

WAKE ISLAND Hy 29.28 124 T 10 43 39.5
WAKE ISLAND Hy 29.28 124 T 10 43 36.8
WAKE ISLAND Hy 29.29 124 T 10 43 40.2

WAKE ISLAND Hy 30.05 126 T 10 44 34.8
WAKE ISLAND Hy 30.05 126 T 10 44 36.5
WAKE ISLAND Hy 30.06 126 T 10 44 36.0

WAKE ISLAND Hy 30.06 126 T 10 44 36.5
WAKE ISLAND Hy 30.06 126 T 10 44 36.0
WAKE ISLAND Hy 30.06 126 T 10 44 36.0

WAKE ISLAND Hy 30.06 126 T 10 44 36.0
WAKE ISLAND Hy 30.06 126 T 10 44 36.0
WAKE ISLAND Hy 30.06 126 T 10 44 36.0

LPAZ La Paz 146.95 60 PKPbc 09 10 07.10 -0.2
ISCJB 23 10:04:57.8:1.8, 19:05:02:169:4E:0.3, h240km, mb3.8/7, Error ellipse: s-maj=46.4km s-min=13.3km az=32.4

Mont Dzumac 4.09 222 P 10 06 03.2 -0.5
Charters Tower 21.83 263 P 10 09 30.3 +0.4
WARR Warramunga Arr 33.03 263 P 10 11 10.9 -1.4

WARR Warramunga Arr 33.03 263 P 10 11 10.9 -1.4
Alice Springs 33.32 256 P 10 11 14.7 -0.2
Fitz Fitzroy Crossi 41.41 264 P 10 12 22.6 0.0

WARR Warramunga Arr 33.03 263 P 10 11 10.9 -1.4
Alice Springs 33.32 256 P 10 11 14.7 -0.2
Fitz Fitzroy Crossi 41.41 264 P 10 12 22.6 0.0

WARR Warramunga Arr 33.03 263 P 10 11 10.9 -1.4
Alice Springs 33.32 256 P 10 11 14.7 -0.2
Fitz Fitzroy Crossi 41.41 264 P 10 12 22.6 0.0

WARR Warramunga Arr 33.03 263 P 10 11 10.9 -1.4
Alice Springs 33.32 256 P 10 11 14.7 -0.2
Fitz Fitzroy Crossi 41.41 264 P 10 12 22.6 0.0

WARR Warramunga Arr 33.03 263 P 10 11 10.9 -1.4
Alice Springs 33.32 256 P 10 11 14.7 -0.2
Fitz Fitzroy Crossi 41.41 264 P 10 12 22.6 0.0

WARR Warramunga Arr 33.03 263 P 10 11 10.9 -1.4
Alice Springs 33.32 256 P 10 11 14.7 -0.2
Fitz Fitzroy Crossi 41.41 264 P 10 12 22.6 0.0

WARR Warramunga Arr 33.03 263 P 10 11 10.9 -1.4
Alice Springs 33.32 256 P 10 11 14.7 -0.2
Fitz Fitzroy Crossi 41.41 264 P 10 12 22.6 0.0

WARR Warramunga Arr 33.03 263 P 10 11 10.9 -1.4
Alice Springs 33.32 256 P 10 11 14.7 -0.2
Fitz Fitzroy Crossi 41.41 264 P 10 12 22.6 0.0



Table with columns: SURC, SANLIURFA\_SURC, 1.39 67, P, Pn, 11 51 15.0 -0.2, Sg, 11 51 34.9 +0.7, S, 11 51 15.5 -0.5, S, 11 51 34.0 -1.1, S, 11 51 39.7, AML, 11 51 42.1, AML, 11 51 22.6 +0.6, eP, 11 51 45.9 -0.1, eS, 11 51 50.4, AML, 11 51 52.0, AML

ICD 22:13:33.8, 1.4, 21.32N:121.78E, h0km, mb3.5/6, mb1 3.7/6, mb1mx3.5/6, mbtmp3.6/6, Error ellipse: s-maj=54.8km s-min=22.0km az=63.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, HNR Honiara, 14.44 115, Op, LR, 12 24 35.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, WRA Warramunga Arr, 20.32 215, P, 12 20 54.1 +0.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, ASAR Alice Springs, 23.57 219, P, 12 21 28.4 +0.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, ASAR Alice Springs, 23.57 219, P, 12 21 28.4 +0.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, FITZ Fitzroy Crossi, 25.23 233, P, 12 21 43.3 -0.4

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, FITZ Fitzroy Crossi, 25.23 233, P, 12 21 43.3 -0.4

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, ILAR Eielson Arr, 83.30 231, P, 12 28 44.4 0.0

BUI 23:12:17:46.8, 34.20N:24.75E, h10km, mb5.3/7.1, mb5.4/5.8, MS5.3/5.9, Ms7 4.9/4.9

HLW 23:12:17:47.9, 34.55N:25.08E, h2km, 1.3km, Md4.1, ISCBJ 23:12:17:48.4, 0.4, 34.23N:0.01:25.07E, 0.01, h3km, 2km, mb5.3/1.87, MS5.0/1.70, Error ellipse: s-maj=2.0km s-min=1.5km az=12.6

ICD 23:12:17:48.9, 0.3, 34.34N:25.12E, h0km, mb5.2/4.1, mb1 5.2/5.3, mb1mx5.2/5.7, mbtmp5.2/5.3, ML4.5/1.0, MS4.9/5.0, Ms1 4.9/3.0, ms1mx4.7/5.3, Error ellipse: s-maj=8.2km s-min=7.3km az=116.0

ATH 23:12:17:48.3, 34.12N:25.03E, h10km, 1km, ML5.1/1.7, Error ellipse: s-maj=1.9km s-min=0.9km az=352.0

SFS 23:12:17:50.8, 0.1, 34.19N:25.08E, h10km, ML5.5, CSEM 23:12:17:50.8, 0.1, 34.28N:25.07E, h10km, mb5.5/7.9, Ms5.1, Mw5.5, Error ellipse: s-maj=3.1km s-min=2.1km az=11.0

NSSC 23:12:17:50.8, 1.6, 33.99N:25.56E, h0km, 176km, ML4.2, PDG 23:12:17:51.7, 0.2, 34.23N:24.49E, h13km, 2km, ML5.3/3.0, Error ellipse: s-maj=7.9km s-min=4.4km az=90.0

GCMT 23:12:17:51.3, 0.1, 34.17N:25.07E, h15km, MW5.5/1.27, Moment Tensor Solution, s116c187, s127c244, Duration: 1s3 Moment tensor: Scale: 1017Nm; Mw=1.53±0.3; Mww0.49±0.2; Mww1.04±0.2; Mw0.18±0.4; Mw0.97±0.2; Mww-0.89±0.5; Best double couple: M=1.90000x1017 Np1±16.00000°, δ59.00000°, λ-115.00000°, NP2±238.00000°, δ39.00000°, λ-55.00000°. Principal axes: T 1.8930, Plg111.0000°, Azm124.0000°; N 0.0180, Plg21.0000°, Azm30.0000°; P -1.9070, Plg66.0000°, Azm239.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 23:12:17:51.3, 0.1, 34.29N:25.08E, h10km, mb5.4/6.2, MS5.1/1.26, ML5.2(THF) Error ellipse: s-maj=2.9km s-min=2.4km az=183.0

NEIC Felt [III] at Irakleion. Also felt at Agios Nikolaos, Ayia Galini, Ierapetra and Sparta.

MOS 23:12:17:52.4, 1.1, 34.33N:25.04E, h33km, mb5.4/7.7, MS4.9/7.2, Error ellipse: s-maj=4.6km s-min=2.5km az=85.9

THE 23:12:17:54.1, 34.47N:25.10E, h9km, 2km, ML5.2/7, Error ellipse: s-maj=2.5km s-min=1.0km az=357.0

NIC 23:12:17:55.8, 0.2, 33.93N:25.58E, h20km, mb5.3, ML4.9, DDA 23:12:18:07.4, 35.41N:25.93E, h7km, ML4.9, ISC 23:12:17:51.0, 0.4, 34.28N:0.02:25.08E, 0.02, h11km, 2km, n2084, c1602244, mb5.4/204, MS5.0/173, 70C-33D, Crete

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H1S12 WAKE ISLAND Hy, 42.63 85, T, 13 06 59.5

ICD 23:12:16:15.9, 1.9, 3.48S:146.69E, h0km, mb3.6/4, mb1 3.9/4, mb1mx3.6/29, mbtmp3.7/4, MS3.1/3, Ms1 3.1/3, ms1mx2.7/31, Error ellipse: s-maj=139.6km s-min=28.5km az=122.0, Bismarck

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, HNR Honiara, 14.44 115, Op, LR, 12 24 35.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, WRA Warramunga Arr, 20.32 215, P, 12 20 54.1 +0.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, ASAR Alice Springs, 23.57 219, P, 12 21 28.4 +0.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, ASAR Alice Springs, 23.57 219, P, 12 21 28.4 +0.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, FITZ Fitzroy Crossi, 25.23 233, P, 12 21 43.3 -0.4

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, FITZ Fitzroy Crossi, 25.23 233, P, 12 21 43.3 -0.4

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, ILAR Eielson Arr, 83.30 231, P, 12 28 44.4 0.0

BUI 23:12:17:46.8, 34.20N:24.75E, h10km, mb5.3/7.1, mb5.4/5.8, MS5.3/5.9, Ms7 4.9/4.9

HLW 23:12:17:47.9, 34.55N:25.08E, h2km, 1.3km, Md4.1, ISCBJ 23:12:17:48.4, 0.4, 34.23N:0.01:25.07E, 0.01, h3km, 2km, mb5.3/1.87, MS5.0/1.70, Error ellipse: s-maj=2.0km s-min=1.5km az=12.6

ICD 23:12:17:48.9, 0.3, 34.34N:25.12E, h0km, mb5.2/4.1, mb1 5.2/5.3, mb1mx5.2/5.7, mbtmp5.2/5.3, ML4.5/1.0, MS4.9/5.0, Ms1 4.9/3.0, ms1mx4.7/5.3, Error ellipse: s-maj=8.2km s-min=7.3km az=116.0

ATH 23:12:17:48.3, 34.12N:25.03E, h10km, 1km, ML5.1/1.7, Error ellipse: s-maj=1.9km s-min=0.9km az=352.0

SFS 23:12:17:50.8, 0.1, 34.19N:25.08E, h10km, ML5.5, CSEM 23:12:17:50.8, 0.1, 34.28N:25.07E, h10km, mb5.5/7.9, Ms5.1, Mw5.5, Error ellipse: s-maj=3.1km s-min=2.1km az=11.0

NSSC 23:12:17:50.8, 1.6, 33.99N:25.56E, h0km, 176km, ML4.2, PDG 23:12:17:51.7, 0.2, 34.23N:24.49E, h13km, 2km, ML5.3/3.0, Error ellipse: s-maj=7.9km s-min=4.4km az=90.0

GCMT 23:12:17:51.3, 0.1, 34.17N:25.07E, h15km, MW5.5/1.27, Moment Tensor Solution, s116c187, s127c244, Duration: 1s3 Moment tensor: Scale: 1017Nm; Mw=1.53±0.3; Mww0.49±0.2; Mww1.04±0.2; Mw0.18±0.4; Mw0.97±0.2; Mww-0.89±0.5; Best double couple: M=1.90000x1017 Np1±16.00000°, δ59.00000°, λ-115.00000°, NP2±238.00000°, δ39.00000°, λ-55.00000°. Principal axes: T 1.8930, Plg111.0000°, Azm124.0000°; N 0.0180, Plg21.0000°, Azm30.0000°; P -1.9070, Plg66.0000°, Azm239.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 23:12:17:51.3, 0.1, 34.29N:25.08E, h10km, mb5.4/6.2, MS5.1/1.26, ML5.2(THF) Error ellipse: s-maj=2.9km s-min=2.4km az=183.0

NEIC Felt [III] at Irakleion. Also felt at Agios Nikolaos, Ayia Galini, Ierapetra and Sparta.

MOS 23:12:17:52.4, 1.1, 34.33N:25.04E, h33km, mb5.4/7.7, MS4.9/7.2, Error ellipse: s-maj=4.6km s-min=2.5km az=85.9

THE 23:12:17:54.1, 34.47N:25.10E, h9km, 2km, ML5.2/7, Error ellipse: s-maj=2.5km s-min=1.0km az=357.0

NIC 23:12:17:55.8, 0.2, 33.93N:25.58E, h20km, mb5.3, ML4.9, DDA 23:12:18:07.4, 35.41N:25.93E, h7km, ML4.9, ISC 23:12:17:51.0, 0.4, 34.28N:0.02:25.08E, 0.02, h11km, 2km, n2084, c1602244, mb5.4/204, MS5.0/173, 70C-33D, Crete

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, SIVA Sivas, 0.77 343, P, 12 18 06.1 -0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, VAM Vamos, 1.33 327, P, 12 18 34.2 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, VAM Vamos, 1.33 327, P, 12 18 34.2 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, VAM Vamos, 1.33 327, P, 12 18 34.2 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, VAM Vamos, 1.33 327, P, 12 18 34.2 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, VAM Vamos, 1.33 327, P, 12 18 34.2 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, VAM Vamos, 1.33 327, P, 12 18 34.2 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, VAM Vamos, 1.33 327, P, 12 18 34.2 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, VAM Vamos, 1.33 327, P, 12 18 34.2 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, VAM Vamos, 1.33 327, P, 12 18 34.2 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, VAM Vamos, 1.33 327, P, 12 18 34.2 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, VAM Vamos, 1.33 327, P, 12 18 34.2 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, VAM Vamos, 1.33 327, P, 12 18 34.2 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, VAM Vamos, 1.33 327, P, 12 18 34.2 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, VAM Vamos, 1.33 327, P, 12 18 34.2 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, VAM Vamos, 1.33 327, P, 12 18 34.2 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, VAM Vamos, 1.33 327, P, 12 18 34.2 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, VAM Vamos, 1.33 327, P, 12 18 34.2 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, VAM Vamos, 1.33 327, P, 12 18 34.2 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, VAM Vamos, 1.33 327, P, 12 18 34.2 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, VAM Vamos, 1.33 327, P, 12 18 34.2 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, VAM Vamos, 1.33 327, P, 12 18 34.2 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, VAM Vamos, 1.33 327, P, 12 18 34.2 +0.2



Table with columns for name, coordinates, and status. Includes entries like LOUT Loutraki, VILLIA Villia, EREA Eretria, etc.

Table with columns for name, coordinates, and status. Includes entries like DSAL Palaion Diasel, BALY Balya, GAGO Gavidra - ISPA, etc.

Table with columns for name, coordinates, and status. Includes entries like KAND Kocaeli-Kandir, KULU Kulu, KKUL Konya-Kulu, etc.



23d 12h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like AKET, GOF, PRU, MAHO, etc.

2011 NOV

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CLL, SSB, SSB, SSB, etc.

1304

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like IDID, IIGN, IIGN, IIGN, etc.

1305

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like WOL, PUL, SWN1, etc.

2011 NOV

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like PGAV, PCAS, PNCL, etc.

23d 12h

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like AKTK, AKTO, AKTO, etc.



Table with columns: Station, Name, Frequency, Class, Power, and Offset. Includes stations like LBTB Lobatse, IMP Impfal, SONM Songino Array, etc.

Table with columns: Station, Name, Frequency, Class, Power, and Offset. Includes stations like XAN, HIA Hailar, SUKH Sukhothai, etc.

Table with columns: Station, Name, Frequency, Class, Power, and Offset. Includes stations like KULM Kulim, QIZ Qiongzong, NJZ Nanjing, etc.

23d 12h

Table with columns for station ID, name, frequency, and signal quality. Includes stations like H43A Windswept, Lux, BLA Blacksburg, HUMP Col San Antoni, etc.

2011 NOV

Table with columns for station ID, name, frequency, and signal quality. Includes stations like SFIN Lafayette, SPMN Marine on St., SPMN Marie on St., etc.

1308

Table with columns for station ID, name, frequency, and signal quality. Includes stations like RC01 Rabbit Creek A, N41A Harden Midland, R45A Skyfar, Fairri, etc.

1309

K33A	Hardington	86.93 321	P	P	12 30 35.8 -0.3
T43A	Greenville	86.96 314	P	P	12 30 36.2 -0.1
PLAL	Pickwick Lake	86.98 311	eP	P	12 30 36.2 -0.2
STKI	Sintang	86.98 92	P	P	12 30 39.2 +2.5
GTBY	Guantanamo Bay	87.01 292	PFAKE	LR	12 30 50.0 +1.3
V45A	Humboldt	87.04 312	P	P	12 30 36.6 0.0
M35A	Neola	87.05 320	P	P	12 30 36.3 -0.3
L34A	Svendsen Farm,	87.06 320	P	P	12 30 36.2 -0.5
N36A	Muff Farm, Cia	87.11 319	P	P	12 30 36.8 -0.2
O37A	Wolven Farm, M	87.11 318	P	P	12 30 36.8 -0.1
P38A	Dawn	87.14 317	P	P	12 30 37.2 +0.2
Q39A	Willow Grove F	87.22 317	P	P	12 30 37.8 +0.3
PBMO	Poplar Bluff	87.25 313	eP	P	12 30 38.4 +0.8
R40A	Maddies Statio	87.32 316	P	P	12 30 38.2 +0.2
L32A	Hoskins	87.39 321	P	P	12 30 38.0 -0.3
K33A	Vedigre	87.39 322	P	P	12 30 38.2 -0.1
N35A	Tabor	87.44 319	P	P	12 30 38.5 +0.1
S41A	Jilico Farms,	87.49 315	P	P	12 30 39.3 +0.4
M34A	Aspy Farms, Fr	87.50 320	P	P	12 30 38.9 +0.1
U43A	Rector	87.51 313	P	P	12 30 38.9 0.0
Y47A	UCPARC, Winfie	87.53 310	P	P	12 30 39.0 -0.1
LRAL	Lakeview Retre	87.55 309	eP	P	12 30 39.0 -0.2
W45A	Hickory Valley	87.56 312	P	P	12 30 38.9 -0.3
KKM	Kota Kinabalu	87.58 84	PFAKE	LR	12 30 50.0 +1.0
O36A	Bolkow	87.58 318	P	P	12 30 39.3 +0.1
P37A	Lathrop	87.62 318	P	P	12 30 39.8 +0.4
Q38A	Cooks Store, C	87.64 317	P	P	12 30 39.9 +0.4
Z48A	Northport	87.69 309	P	P	12 30 39.8 0.0
R39A	Chumby, Stover	87.75 316	P	P	12 30 40.5 +0.4
M33A	Taylor Creek F	87.77 321	P	P	12 30 40.0 -0.1
K31A	O'Neill	87.82 322	P	P	12 30 40.6 +0.3
T41A	Mountain View	87.87 314	P	P	12 30 41.5 +0.9
L32A	Elgin	87.89 321	P	P	12 30 40.8 +0.1
N34A	Lincoln	87.92 320	P	P	12 30 40.7 -0.2
S40A	Lebanon	87.93 315	P	P	12 30 41.3 +0.4
U42A	Revenen	88.02 314	P	P	12 30 41.8 +0.4
P36A	Good Intent, A	88.07 318	P	P	12 30 41.9 +0.3
OXF	Oxford	88.12 311	eP	P	12 30 43.6 +1.7
OXF	Oxford	88.12 311	eP	P	12 30 43.6 +1.7
Z47A	Carrollton	88.13 310	P	P	12 30 41.8 -0.2
Q37A	Longview Farm,	88.17 317	P	P	12 30 41.7 -0.4
Y46A	Houston	88.19 310	P	P	12 30 41.9 -0.2
T40A	Mansfield	88.24 315	P	P	12 30 42.3 -0.1
CISI	Cisonet, Garu	88.25 100	eP	P	12 30 44.7 +1.9
CISO	Cisompot, Garu	88.25 100	eP	P	12 30 42.5 -0.3
LAI	LASA Array	88.25 329	P	P	12 30 42.3 -0.1
LAO	LASA Array	88.25 329	eP	LR	12 30 43.0 +0.7
KDAK	Kodiak Island	88.27 359	iP	P	12 30 42.7 +0.6
KDAK	Kodiak Island	88.27 359	PFAKE	LR	12 30 50.0 +7.9
R38A	Fenwick Farm,	88.34 316	P	P	12 30 42.8 0.0
S39A	Bolivar	88.34 316	P	P	12 30 42.9 0.0
BGNE	Belgrade	88.39 321	P	P	12 30 43.1 0.0
BGNE	Belgrade	88.39 321	eP	P	12 30 43.2 +0.2
U41A	Viola	88.43 314	P	P	12 30 43.9 +0.5
O34A	Beatrice	88.49 319	P	P	12 30 43.7 +0.2
N33A	J Bar K, Exete	88.50 320	P	P	12 30 43.7 +0.1
P35A	Duane Minner,	88.59 319	P	P	12 30 44.2 +0.2
147A	Livingston	88.60 309	P	P	12 30 43.9 -0.2
Y45A	Yeager Farm, C	88.63 311	P	P	12 30 43.9 -0.4
EGMT	Eagleton	88.64 332	eP	LR	12 30 44.3 0.0
Q36A	Arnold C. Orve	88.68 318	P	P	12 30 44.0 -0.5
Z46A	Louisville	88.69 310	P	P	12 30 44.7 -0.2
S38A	Stockton	88.72 316	P	P	12 30 44.6 0.0
BRAL	Brewton	88.77 307	PFAKE	LR	12 31 00.0 +1.5
BRAL	Teagarden Farm	88.77 317	P	P	12 30 44.6 -0.3
T39A	Cleaver	88.83 315	P	P	12 30 45.3 +0.1
OHAK	Old Harbor	88.84 359	eP	P	12 30 45.7 +0.9
V41A	Mountainview	88.95 314	P	P	12 30 45.2 -0.6
U40A	Yellville	88.98 314	P	P	12 30 45.4 -0.5
P34A	Walnut Farm, R	89.01 319	P	P	12 30 45.9 -0.1
O33A	Hebron	89.05 320	P	P	12 30 45.9 -0.3
Z45A	Winona	89.05 311	P	P	12 30 45.8 -0.5
Q35A	Mercer Eighty,	89.07 318	P	P	12 30 46.1 -0.2
146A	Union	89.12 310	P	P	12 30 46.8 +0.2
R36A	Gordon, Harris	89.15 317	P	P	12 30 47.0 +0.3
S37A	Fort Scott	89.16 317	P	P	12 30 47.0 +0.3
348A	Jackson	89.17 308	P	P	12 30 47.4 +0.5
KSU1	Kansas State U	89.21 319	P	P	12 30 47.3 +0.3
KSU1	Kansas State U	89.21 319	eP	LR	12 30 47.3 +0.3
247A	Quitman	89.22 309	P	P	12 30 47.6 +0.5
RSSD	Black Hills	89.27 326	P	P	12 30 47.5 +0.1
RSSD	Black Hills	89.27 326	eP	P	12 30 48.1 +0.7
RSSD	Black Hills	89.27 326	eP	P	12 30 48.1 +0.7
U39A	Green Forest	89.33 315	P	P	12 30 47.9 +0.4
V40A	Witts Springs	89.34 314	P	P	12 30 47.9 +0.3
T38A	Diamond	89.35 316	P	P	12 30 48.4 +0.8

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WHAR	Woolly Hollow	89.36 313	eP	P	12 30 48.3 +0.5
W41B	Gary Mavity, V	89.42 313	P	P	12 30 48.2 +0.2
Y43A	Makylia and Ka	89.46 312	P	P	12 30 47.7 -0.5
Q34A	Chapman	89.52 319	P	P	12 30 48.3 -0.1
R35A	Emporia Munici	89.53 318	P	P	12 30 48.6 +0.1
Z44A	Pea Ridge, Bel	89.57 311	P	P	12 30 48.9 +0.2
S36A	Lake Cedric, C	89.62 317	P	P	12 30 48.9 0.0
HHAR	Holtz, SNR=7.8	89.67 315	eP	P	12 30 51.2 +2.0
145A	Houston Renfro	89.70 310	P	P	12 30 50.4 +1.0
SPB	Sao Paulo	89.70 241	PFAKE	LR	12 31 00.0 +1.1
SDV	Santo Domingo	89.73 280	P	P	12 30 50.1 +0.1
SDV	Santo Domingo	89.73 280	eP	LR	12 30 50.5 +0.5
V39A	Pettigrew	89.80 315	P	P	12 30 50.4 +0.5
U38A	Gravette	89.82 315	P	P	12 30 50.6 +0.8
MTDJ	Mount Denham	89.86 292	PFAKE	LR	12 31 00.0 +1.0
W40A	Ferguson Farm,	89.90 314	P	P	12 30 51.0 +0.8
144A	Alexander Plac	90.00 310	P	P	12 30 50.9 +0.2
S35A	Otter Creek Ra	90.06 317	P	P	12 30 50.8 -0.1
245A	Little AP, Sta	90.06 310	P	P	12 30 51.7 +0.7
Z43A	Armstrong Fami	90.12 311	P	P	12 30 51.5 +0.2
R34A	Isabella, Hill	90.13 318	P	P	12 30 51.5 +0.2
V38A	Canehill	90.23 315	P	P	12 30 51.9 +0.1
X40A	Basin Creek Fa	90.24 313	P	P	12 30 52.0 +0.1
T36A	Boggs Farm, C	90.24 317	P	P	12 30 51.6 -0.2
U37A	Salina	90.27 316	P	P	12 30 52.0 +0.1
W39A	Magazine	90.32 314	P	P	12 30 52.3 +0.1
VBMS	Vicksburg	90.33 310	P	P	12 30 52.4 +0.2
YBMT	Yellow Bay	90.39 334	eP	P	12 30 51.9 -0.6
GCMT	Greycliff	90.42 330	eP	P	12 30 54.0 +1.4
S34A	Willow Spring	90.48 318	P	P	12 30 52.5 -0.4
Y41A	Egglett Beard	90.51 313	P	P	12 30 53.4 +0.3
244A	Avery, Jackson	90.55 310	P	P	12 30 53.0 -0.3
143A	Socs Landing,	90.56 311	P	P	12 30 53.5 +0.2
JTMT	Jette	90.59 334	eP	P	12 30 54.6 +1.2
U36A	Oologah	90.63 316	P	P	12 30 53.9 +0.3
V37A	Hulbert	90.64 315	P	P	12 30 54.1 +0.4
MIAR	Mount Ida	90.64 314	P	P	12 30 53.7 -0.1
MIAR	Mount Ida	90.64 314	eP	MLR	12 30 54.9 +1.2
MIAR	Mount Ida	90.64 314	eP	LR	12 30 54.9 +1.2
SWMT	Swartz Lake	90.69 334	eP	P	12 30 54.8 +1.0
T35A	Sooner Cattle	90.70 317	P	P	12 30 53.7 -0.3
OGNE	Ogallala	90.71 323	P	P	12 30 54.1 +0.1
OGNE	Ogallala	90.71 323	PFAKE	LR	12 31 10.0 +1.6
RLMT	Red Lodge	90.79 330	P	P	12 30 55.1 +0.6
RLMT	Red Lodge	90.79 330	PFAKE	LR	12 31 10.0 +1.6
Y40A	Okolona	90.83 313	P	P	12 30 55.6 +1.0
W38A	Poteau	90.84 314	P	P	12 30 55.6 +1.0
344A	Westbrook Farm	90.97 310	P	P	12 30 56.3 +0.0
X39A	Fountain Ranch	90.99 314	P	P	12 30 56.5 +1.1
TUL1	Leonard	91.00 316	P	P	12 30 56.6 +1.3
T34A	McClaskey Farm	91.01 317	P	P	12 30 56.0 +0.6
Z41A	Richland Creek	91.06 312	P	P	12 30 56.3 +0.7
CBKS	Cedar Bluff	91.11 320	P	P	12 30 56.4 +0.5
CBKS	Cedar Bluff	91.11 320	PFAKE	LR	12 31 10.0 +1.4
NEW	Newport	91.15 336	P	P	12 30 56.1 +0.3
NEW	Newport	91.15 336	PFAKE	LR	12 31 10.0 +1.4
243A	Waterproof	91.16 310	P	P	12 30 56.5 +0.3
V36A	Jenks	91.18 316	P	P	12 30 56.6 +0.4
U35A	Pawnee	91.22 317	P	P	12 30 56.9 +0.6
MSO	Missoula	91.24 333	P	P	12 30 57.1 +0.7
MSO	Missoula	91.24 333	eP	P	12 30 56.5 +0.2
X38A	Whitesboro	91.31 314	P	P	12 30 57.7 +0.9
W37B	Quinton	91.33 315	P	P	12 30 56.7 -0.3
BOZ	Bozeman (W)	91.37 331	P	P	12 30 57.7 +0.6
BOZ	Bozeman (W)	91.37 331	eP	MLR	12 31 00.1 +3.0
BOZ	Bozeman (W)	91.37 331	eP	LR	12 31 00.1 +3.0
Z40A	Long Farm, Mag	91.42 313	P	P	12 30 57.5 +0.1
242A	Grayson	91.46 311	P	P	12 30 58.9 +1.3
K22A	Casper	91.55 327	P	P	12 30 57.8 -0.2
K22A	Casper	91.55 327	eP	P	12 30 57.6 -0.5
141A	Papa Simpson,	91.56 312	P	P	12 30 58.3 +0.3
X37A	Clayton	91.68 315	P	P	12 30 58.1 -0.4
V35A	Meyer Ranch, C	91.71 316	P	P	12 30 58.7 +0.1
LKWY	Lake	91.71 330	PFAKE	LR	12 31 10.0 +1.1
YHH	Holmes Hill	91.72 330	eP	P	12 31 00.3 +1.4
Y38A	Idabel	91.76 314	P	P	12 30 59.4 +0.4
YMR	Madison River	91.86 330	eP	P	12 31 01.3 +1.8
OK020	Madison Road, Me	91.89 316	eP	P	12 31 02.3 +2.9
YHB	Horse Butte	91.89 330	eP	P	12 31 01.3 +1.7
Z39A	Irene McRaven,	91.91 313	P	P	12 31 00.2 +0.6
H17A	Grant Village	91.92 330	P	P	12 31 00.5 +0.7
C09A	Chrisman Ranch	91.94 336	eP	P	12 31 00.4 +0.9
DLMT	Dillon	91.95 332	eP	P	12 31 02.0 +2.2
PHWY	Pilot Hill	92.11			









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VLY	Voula,Athens	3.77 344	P	Pn	13 51 03.0 +1.7
VLY	comp=N,874µm,0.7s		AML	AML	13 52 16.6
VLY	comp=E,1108µm,0.9s		AML	AML	13 52 25.6
VLY	Voula,Athens	3.77 344	P	Pn	13 51 03.0 +1.7
VLX	Vlachokerasia	3.83 326	P	Pn	13 51 03.9 +1.6
VLX	comp=N,1839µm,0.9s		AML	AML	13 52 11.3
VLX	comp=N,1144µm,1.1s		AML	AML	13 52 26.9
VLX	Vlachokerasia	3.83 326	P	Pn	13 51 03.9 +1.6
ATH	Athens Observa	3.90 344	P	Pn	13 51 05.1 +1.9
ATH	comp=N,938µm,1.2s		AML	AML	13 52 11.6
ATH	comp=E,889µm,1.1s		AML	AML	13 52 27.2
ATH	Athens Observa	3.90 344	P	Pn	13 51 05.1 +1.9
DALY	Dalyan (Mu'la	3.90 47	P	Pn	13 51 04.4 +1.2
DALY	Dalyan (Mu'la	3.90 47	P	Pn	13 51 05.8 +2.6
DALY	comp=N,1144µm,1.1s		AML	AML	13 52 26.9
DALY	Dalyan (Mu'la	3.90 47	P	Pn	13 51 05.8 +2.6
TURN	Turunc	3.91 46	P	Pn	13 51 02.4 -0.8
TURN	comp=N,938µm,1.2s		AML	AML	13 52 11.6
TURN	Turunc	3.91 46	P	Pn	13 51 02.4 -0.8
PTL	Penteli	3.94 346	P	Pn	13 51 03.4 +0.1
PTL	comp=N,662µm,0.9s		AML	AML	13 51 57.8
PTL	comp=E,869µm,1.1s		AML	AML	13 52 06.3
PTL	Penteli	3.94 346	P	Pn	13 51 03.9 +0.1
PTL	Penteli	3.94 346	ePn	Pn	13 51 03.9 +0.1
PTL	Penteli	3.94 346	P	Pn	13 51 03.9 +0.1
FETHY	Fethiye	4.07 53	eP	Pn	13 51 07.2 +1.8
FETHY	Fethiye	4.07 53	eP	Pn	13 51 08.2 +2.8
DALY	Dalyan (Mu'la	4.09 20	P	Pn	13 51 02.4 -0.8
AYDN	Tasoluk	4.12 33	iP	Pn	13 51 08.3 +2.1
AYDN	Tasoluk	4.12 33	P	Pn	13 51 08.3 +2.1
LOUT	Loutraki	4.12 336	P	Pn	13 51 08.7 +2.5
LOUT	Loutraki	4.12 336	P	Pn	13 51 08.7 +2.5
LTK	Loutraki	4.16 336	P	Pn	13 51 07.1 +0.4
LTK	comp=N,1157µm,1.3s		AML	AML	13 52 34.2
LTK	comp=E,1528µm,1.6s		AML	AML	13 52 43.2
LTK	Loutraki	4.16 336	P	Pn	13 51 07.1 +0.4
AKAS	Kas	4.22 60	eP	Pn	13 51 09.5 +1.9
AKAS	Kas	4.22 60	iP	Pn	13 51 09.5 +1.9
AKAS	Kas	4.22 60	S	Pn	13 52 00.2 +3.6
AKAS	Kas	4.22 60	ePn	Pn	13 51 08.8 +1.2
AKAS	Kas	4.22 60	P	Pn	13 51 09.5 +1.9
AKAS	Kas	4.22 60	S	Pn	13 52 00.2 +3.6
AKAS	Kas	4.22 60	S	Pn	13 51 08.8 +1.2
CHOS	Chios island	4.23 11	eP	Pn	13 51 10.8 +3.0
CHOS	Chios island	4.23 11	eP	Pn	13 51 09.6 +1.8
CHOS	Chios island	4.23 11	P	Pn	13 51 09.6 +1.8
URLA	Izmir	4.31 16	P	Pn	13 51 10.8 +2.9
GUR	Goura	4.32 330	P	Pn	13 52 29.6
GUR	comp=E,1326µm,1.1s		AML	AML	13 52 29.7
GUR	comp=N,2018µm,0.7s		AML	AML	13 51 08.9 -0.1
GUR	Goura	4.32 330	P	Pn	13 51 08.9 -0.1
GUR	Goura	4.32 330	ePn	Pn	13 51 08.9 -0.1
KLV	Kalavryta, Ach	4.49 329	P	Pn	13 51 13.6 +2.3
KLV	comp=N,761µm,1.3s		AML	AML	13 52 34.7
KLV	comp=E,679µm,1.0s		AML	AML	13 52 42.2
KLV	Kalavryta, Ach	4.49 329	P	Pn	13 51 13.6 +2.3
TAVA	DENIZLI Tavass	4.50 43	iP	Pn	13 51 15.1 +3.7
TAVA	DENIZLI Tavass	4.50 43	iP	Pn	13 52 05.4 +2.0
TAVA	DENIZLI Tavass	4.50 43	P	Pn	13 51 15.1 +3.7
DRO	Drossia	4.61 325	P	Pn	13 51 15.8 +2.8
DRO	comp=N,1408µm,1.2s		AML	AML	13 52 49.9
DRO	comp=E,1564µm,1.4s		AML	AML	13 52 50.0
DRO	Drossia	4.61 325	P	Pn	13 51 15.8 +2.8
GLHS	Gilhisar (BURDU	4.64 50	eP	Pn	13 51 15.2 +1.8
GLHS	Desfina	4.66 335	P	Pn	13 51 13.5 -1.2
DSF	Desfina	4.66 335	P	Pn	13 51 13.5 -1.2
ELL	Elmalı	4.68 56	eP	Pn	13 51 15.8 +1.8
LKR	Lokris	4.73 340	P	Pn	13 51 16.4 +1.9
LKR	comp=N,708µm,1.4s		AML	AML	13 52 13.2
LKR	comp=E,538µm,0.8s		AML	AML	13 52 15.4
LKR	Lokris	4.73 340	P	Pn	13 51 16.4 +1.9
DNZL	Cakirogluk	4.73 42	P	Pn	13 51 13.5 -1.2
DNZL	Cakirogluk	4.73 42	P	Pn	13 51 13.5 -1.2
GOLH	Golhisar	4.73 49	iP	Pn	13 51 17.6 +3.0
GOLH	Golhisar	4.73 49	S	Pn	13 52 13.1 +4.0
GOLH	Golhisar	4.73 49	P	Pn	13 51 17.6 +3.0
GOLH	Golhisar	4.73 49	S	Pn	13 52 13.1 +4.0
EFPA	Epalio	4.92 330	P	Pn	13 51 19.1 +2.0
EFPA	Epalio	4.92 330	P	Pn	13 51 19.1 +2.0
SWA2	comp=N,708µm,1.4s		AML	AML	13 51 17.3 -0.6
SWA2	Ano Chora	5.05 331	P	Pn	13 51 21.1 +2.1
ANX	ANX	5.05 331	S	Pn	13 52 16.6 -0.4
ANX	comp=N,920µm,0.9s		AML	AML	13 52 34.3
ANX	comp=E,989µm,1.1s		AML	AML	13 52 42.5
ANX	Ano Chora	5.05 331	P	Pn	13 51 21.1 +2.1
ANX	Ano Chora	5.05 331	S	Pn	13 52 16.6 -0.4
MANT	Manisa	5.11 32	iP	Pn	13 51 22.6 +2.7
MANT	Manisa	5.11 32	ePn	Pn	13 51 21.5 +1.6
MANT	Manisa	5.11 32	P	Pn	13 51 22.6 +2.7
MANT	Manisa	5.11 32	P	Pn	13 51 21.5 +1.6
KORT	Korkueli	5.12 56	eP	Pn	13 51 22.0 +2.0
KORT	Korkueli	5.12 56	iP	Pn	13 51 23.9 +3.9
KORT	Korkueli	5.12 56	P	Pn	13 51 23.9 +3.9
KORT	Korkueli	5.12 56	P	Pn	13 51 23.9 +3.9
AKHS	Akhisar	5.14 25	P	Pn	13 51 22.6 +2.3
AKHS	Akhisar	5.14 25	P	Pn	13 51 22.6 +2.3
KULA	Kula-Manisa	5.17 33	eP	Pn	13 51 19.1 +2.0
PVO	Paravola	5.24 328	P	Pn	13 51 24.1 +2.6
PVO	comp=N,440µm,0.9s		AML	AML	13 52 50.5
PVO	comp=E,706µm,1.5s		AML	AML	13 53 00.6
PVO	Paravola	5.24 328	P	Pn	13 51 24.1 +2.6
AGG	Agios Georgios	5.28 336	eP	Pn	13 51 22.8 +0.7
AGG	Agios Georgios	5.28 336	P	Pn	13 51 23.3 +1.3
AGG	comp=N,1020µm,2.0s		AML	AML	13 53 08.4
AGG	comp=E,1457µm,2.0s		AML	AML	13 53 34.6
AGG	Agios Georgios	5.28 336	ePn	Pn	13 51 22.8 +0.7
AGG	Agios Georgios	5.28 336	ePn	Pn	13 51 22.8 +0.7
NEO	Neokhori	5.29 344	P	Pn	13 51 23.1 +1.2
NEO	Neokhori	5.29 344	P	Pn	13 51 23.5 +1.2
BRDR	BURDUR-Merkez	5.33 48	iP	Pn	13 51 26.6 +3.8
BRDR	BURDUR-Merkez	5.33 48	P	Pn	13 51 26.6 +3.8
XOR	Xorichiti	5.35 344	P	Pn	13 51 24.4 +1.3
XOR	comp=E,266µm,2.5s		AML	AML	13 53 07.8
XOR	comp=N,406µm,2.4s		AML	AML	13 53 18.5
XOR	Xorichiti	5.35 344	P	Pn	13 51 24.4 +1.3
VLS	Valsamata	5.36 319	P	Pn	13 51 24.5 +1.3
VLS	comp=N,186µm,0.3s		AML	AML	13 52 35.8
VLS	comp=N,310µm,0.6s		AML	AML	13 52 36.2
VLS	Valsamata	5.36 319	P	Pn	13 51 24.5 +1.3
KHAL	Karahalli	5.47 39	iP	Pn	13 51 26.5 +1.7
DEMI	Demirci	5.63 30	P	Pn	13 51 30.4 +3.3
ISP	Isparta	5.69 49	eP	Pn	13 51 30.1 +2.2
ISP	comp=N,177µm,1.7s		AML	AML	13 53 14.1
BAGO	Egridir - ISPA	5.96 49	iP	Pn	13 51 34.2 +2.7

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GDZ	Geziz	6.01 35	iP	Pn	13 51 32.9 +0.6
TVSB	Tavsanli	6.29 33	eP	Pn	13 51 38.4 +2.2
KPRO	Kipourio	6.45 334	P	Pn	13 51 42.9 +4.7
KPRO	Kipourio	6.45 334	S	Pn	13 52 53.3 +2.0
KPRO	comp=E,346µm,0.8s		AML	AML	13 53 14.0
KPRO	comp=N,335µm,1.4s		AML	AML	13 53 38.6
HORT	Horiatis	6.56 347	eP	Pn	13 51 43.2 +3.5
HMVD	Hayidein	6.57 131	P	Pn	13 51 39.5 -0.3
PENT	Pentalofos	6.74 333	P	Pn	13 51 44.7 +2.5
ERMK	Ermenek	6.84 67	iP	Pn	13 51 47.2 +3.5
CSS	Mathiatis	6.85 81	ePn	Pn	13 51 44.9 +1.2
CSS	Mathiatis	6.85 81	ePn	Pn	13 51 43.3 -0.4
CSS	Mathiatis	6.85 81	ePn	Pn	13 51 45.1 +1.3
TEKE	Tekeli-Tatoy	6.86 71	eP	Pn	13 51 45.0 +1.3
KONT	Konya-Tatoy	6.97 56	eP	Pn	13 51 47.1 +1.7
KONT	Konya-Tatoy	6.97 56	iP	Pn	13 51 48.5 +3.1
LFK	Lefkose	7.04 79	eP	Pn	13 51 47.5 +1.2
GRG	Griva	7.05 343	P	Pn	13 51 49.4 +2.9
KNT	Kendrikon	7.14 347	eP	Pn	13 51 51.2 +3.5
KOT	Kottamia	7.15 125	P	Pn	13 51 48.1 +0.2
KOT	baz=125		S	Sn	13 53 05.0 -3.7
FNA	Florida	7.19 337	eP	Pn	13 51 52.0 +3.8
TEVE	Tevkalti-Mers	7.19 70	eP	Pn	13 51 50.8 +2.4
AKKU	Akkuyu-Mersin	7.21 72	eP	Pn	13 51 50.1 +1.5
IKL	Isikli	7.33 72	eP	Pn	13 51 51.9 +1.7
YAV	Yalvandou	7.36 345	ePn	Pn	13 51 57.4 +6.8
KEB	Keben-Mersin	7.40 70	eP	Pn	13 51 52.8 +1.3
KDZ	Kurdzhali	7.42 2	eP	Pn	13 51 52.8 +1.3
MMB	Musumistei	7.43 352	eP	Pn	13 51 53.9 +2.2
RNZ	Rozhen	7.46 358	eP	Pn	13 51 52.3 +0.1
OHR	Ohrid	7.67 335	ePn	Pn	13 51 54.6 -0.3
NBNS	Bani Suef	7.71 135	P	Pn	13 51 55.8 +0.3
KIZK	Mersin	7.75 71	eP	Pn	13 51 57.2 +1.2
KRUS	Krusevo	7.75 338	ePn	Pn	13 51 57.1 +1.0
KKB	Krupnik	7.79 349	eP	Pn	13 52 05.7 +9.1
MEB	Mersin	8.14 58	eP	Pn	13 52 03.2 +1.7
KNK	Zemena	8.21 124	P	Pn	13 52 02.7 +0.4
ZNO	Skojpe	8.25 341	ePn	Pn	13 52 04.1 +1.2
PGB	Panagyurishte	8.35 355	eP	Pn	13 52 13.3 +9.1
ANTO	Ankara	8.36 45	eP	Pn	13 52 05.3 +0.9
ANTO	Ankara	8.36 45	ePn	Pn	13 52 05.9 +0.9
ANTO	Ankara	8.36 45	eP	Pn	13 52 07.5 +3.1
ANTO	Ankara	8.36 45	pPn	Pn	13 52 07.5 +3.1
ANTO	SNR=6.6				
ANTO	Ankara	8.36 45	ePn	Pn	13 52 04.7 -0.8
CEL	Celeste	8.44 301	ePn	Pn	13 52 04.7 -0.8
CEL	Celeste	8.44 301	ePn	Pn	13 52 04.7 -0.8
VTS	Vitosha	8.48 351	iP	Pn	13 52 13.9 +7.7
VTS	Vitosha	8.48 351	iP	Pn	13 52 13.9 +7.7
VTS	Vitosha	8.48 351	eP	Pn	13 52 06.2 0.0
VTS	Vitosha	8.48 351</			





23d 15h

Table of astronomical observations for 23d 15h, listing stations (e.g., BBLs, BBLs, BBLs), station names, coordinates, and observation times.

2011 NOV

Main table of astronomical observations for 2011 NOV, listing station names, coordinates, observation times, and source names (e.g., KURBB Kurchatov Arra, KURK Kurchatov).

1316

Table of astronomical observations for 1316, listing station names, coordinates, observation times, and source names (e.g., KURBB Kurchatov Arra, KURK Kurchatov).

Table with columns: SRTM, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Siirt Merkez, Tasburun-Igdir, Eata, etc.

THE 23 15:11:25.7, 34.25N, 25.09E, h0km, 1km, ML3.3/4, Error ellipse: s-maj=3.5km s-min=0.9km az=162.0

ATH 23 15:11:25.7, 34.21N, 25.05E, h9km, 31km, ML2.9/5, Error ellipse: s-maj=31.6km s-min=1.8km az=0.0

IDC 23 15:11:25.2, 1.8, 34.06N, 25.24E, h0km, mb3.6/2, mb1 3.7/3, mb1mx3.4/34, mbtmt3.5/3, ML3.7/1, Error ellipse: s-maj=61.5km s-min=31.8km az=141.0

CSEM 23 15:11:28.3, 1.2, 34.33N, 25.03E, h2km, ML3.3 ISC 23 15:11:25.7, 1.8, 34.23N, 25.06E, 0.03, h4km, 11km, n37, c0566/57, Crete

Main station list for 1317, including Sivas, Lasithi, Gavidhos, Anoyia, Neapolis, Zakros, Varnos, Iera Moni Meta, Thira Island, etc.

NEIC 23 15:46:10.4, 0.0, 18.91N, 67.19W, h37km, MD3.5(RSPR), After RSPR

RSPR 23 15:46:10.4, 18.91N, 67.19W, h37km, 8km, MD3.5/4, 10C-4D, Mona Passage

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Isla Desecho, Arecibo Observ, Cabo Rojo, etc.

ISK 23 16:01:08.1, 38.63N, 43.14E, h5km, MD2.9

ISCJB 23 16:01:10.0, 0.4, 38.64N, 0.02, 43.14E, 0.03, h5km, 4km, Error ellipse: s-maj=3.8km s-min=3.2km az=149.7

CSEM 23 16:01:09.5, 0.2, 38.63N, 43.14E, h2km, MD2.9, Error ellipse: s-maj=3.4km s-min=3.3km az=85.0

DDA 23 16:01:09.7, 38.68N, 43.14E, h5km, ML3.0

ATA 23 16:01:09.4, 2.1, 38.59N, 43.10E, h25km, 10km, ML3.7, MW3.4

ISC 23 16:01:09.7, 1.0, 38.64N, 0.02, 43.12E, 0.02, h4km, 9km, n70, c1520/115, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Van, Hatay, etc.

Main station list for 2011 NOV, including Van, Gevas, Bitlis, Adilcevaz, Muradiye, Tutak, etc.

ISCJB 23 16:33:58.8, 0.6, 35.04N, 0.04, 139.99E, 0.05, h71km, 5km, mb3.2/2, Error ellipse: s-maj=8.5km s-min=5.8km az=42.8

JMA 23 16:33:59.1, 0.2, 35.10N, 139.99E, h69km, 2km, M2.6

IDC 23 16:34:02.4, 2.4, 34.87N, 139.47E, h74km, 12km, mb3.0/2, mb1 3.2/2, mb1mx2.3/36, mbtmt3.7/2, Error ellipse: s-maj=83.9km s-min=5.2km az=70.0

ISC 23 16:33:59.7, 1.1, 35.05N, 0.05, 139.98E, 0.05, h65km, 8km, n22, c0522/4, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Tatyema 2, Katsura, Boso, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like MJAR, Matushiro, H11N2, etc.

ISCJB 23 16:35:36.1, 0.6, 51.47N, 0.03, 16.09E, 0.03, h0km, Error ellipse: s-maj=4.1km s-min=2.8km az=11.9

CSEM 23 16:35:37.6, 0.3, 51.48N, 16.08E, h2km, ML3.2/10

WAR 23 16:35:38.1, 61.48N, 16.11E, h1km, Mw2.5

PRU 23 16:35:39.3, 51.44N, 16.05E, h0km

VIE 23 16:35:40.2, 1.2, 51.25N, 16.30E, h0km, mb2.5/3, ML2.6/5, Error ellipse: s-maj=12.3km s-min=6.5km az=150.0

ISC 23 16:35:37.8, 1.0, 51.49N, 0.04, 16.09E, 0.02, h0km, n43, c0997/78, Poland

Main station list for 2011 NOV, including Ksiaz, Utrice, Dobruska-Polom, Panska Ves, etc.

PRU 23 16:36:01.6, 51.48N, 16.14E, h0km

CSEM 23 16:36:03.5, 0.7, 51.40N, 16.11E, h1km, ML3.2/9, Error ellipse: s-maj=8.4km s-min=3.9km az=7.0

WAR 23 16:36:02.5, 51.48N, 16.11E, h1km, Mw2.5, Poland

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Ksiaz, Kasperke Hory, etc.

PRU 23 16:36:01.6, 51.48N, 16.14E, h0km

CSEM 23 16:36:03.5, 0.7, 51.40N, 16.11E, h1km, ML3.2/9, Error ellipse: s-maj=8.4km s-min=3.9km az=7.0

WAR 23 16:36:02.5, 51.48N, 16.11E, h1km, Mw2.5, Poland

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Ksiaz, Kasperke Hory, etc.



23d 18h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KRLC Kraliky, BRG Bergglieshubel, GOPC GO Pecny, etc.

WEL 23 17:14:45.9:0.4, 37.295x177.58E, h108km, ML4.0/42, 12C-3D, Error ellipse: s-maj=2.2km s-min=1.3km az=0.0, Off east coast of North Island

Main table for 23d 18h with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists numerous stations including HAZ, MXZ, RUGZ, etc.

2011 NOV

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TIWZ, CPWZ, OGWZ, etc.

IDC 23 17:15:35.7:14.0, 5.765x128.64E, h425km, 200km, mb2.6/1, mbl1x2.6/3, mblmx2.5/25, mbtmp3.3/3, Error ellipse: s-maj=141.8km s-min=77.3km az=76.0, Banda Sea

Main table for 2011 NOV with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists numerous stations including WRA, ASAR, MKAR, etc.

1318

s-maj=13.8km s-min=5.9km az=111.0, NAO 23 18:03:14.7:0.8, 67.14N:20.95E, ML2.5, CSEM 23 18:03:14.1:0.2, 67.07N:20.94E, h1km, ML1.7, Error ellipse: s-maj=5.9km s-min=4.3km az=100.0, Mining explosion, UPP 23 18:03:14.0:0.67, 09N:20.97E, h0km, ML1.9, Mining explosion, HEL 23 18:03:14.7:0.0, 67.09N:20.94E, h0km, ML1.9(UPP), Explosion, BER 23 18:03:17.6:3.6, 67.09N:21.01E, h0km, ML1.7, ML2.5(NAO), Suspected explosion, ISC 23 18:03:19.0:0.7, 67.07N:0.0:0.3, 20.98E:0.0:0.3, h0km, n46, c090/68, Sweden

Main table for 1318 with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists numerous stations including DUNU, PAJU, HARU, etc.

WEL 23 18:35:45.6:0.4, 37.59S:179.71E, h12km, ML3.9/21, Error ellipse: s-maj=3.7km s-min=3.6km az=0.0, NEIC 23 18:35:45.0:0.0, 37.50S:179.87E, h59km, ML4.1 (WEL), After WEL, IDC 23 18:35:52.4:0.2, 36.84S:178.19E, h0km, mb3.6/2, mb1.3/8.2, mbl1mx3.5/24, mbtmp3.6/2, Error ellipse: s-maj=80.0km s-min=29.1km az=97.0, ISC 23 18:35:40.9:2.8, 37.64S:0.0:0.1, 179.93W:0.1, h26km, n14km, n50, c1967/60, East of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WMGZ, HARU, etc.



23d 19h

Table with columns for station code, frequency, power, and other technical details. Includes stations like YSS, JNU, YSU, etc.

2011 NOV

Table with columns for station code, frequency, power, and other technical details. Includes stations like HIA, Hailar, HIA, etc.

1320

Table with columns for station code, frequency, power, and other technical details. Includes stations like YAK, YAK, YAK, etc.

GYA	comp=Z,16um,20.0s	LR	LR		
GYA	comp=Z,24um,23.0s	LR	LR		
GYA	comp=Z,35um,22.1s	LR	LR		
BUSP	Coron	31.65 223	eP	P	19 30 49.8 -1.7
BUTP	Butusan	31.71 211	eP	P	19 30 49.3 -2.7
CD2	Chengdu	31.71 270	eP	P	19 30 51.4 -0.6
CD2			sP	P	19 31 07.1 -1.0
CD2			PP	P	19 32 03.4 -0.7
CD2			PcP	P	19 33 42.3 -0.6
CD2			S	P	19 35 53.0 -5.9
CD2			sS	P	19 36 17.3 -0.9
CD2	comp=Z,320nm,0.8s		pmax		
CD2	comp=Z,3um,9.3s		pmax		
CD2	comp=Z,27um,18.0s		LR	LR	
CD2	comp=Z,34um,18.0s		LR	LR	
MOY	Monday	31.75 310	eP	P	19 30 52.6 +0.4
MOY			pmax		
SNPH	Sibulan	32.41 215	eP	P	19 30 58.4 +0.2
GTA	Gaotai	32.50 287	eP	P	19 30 58.8 -0.2
GTA			pP	P	19 31 11.4 +0.9
GTA			sP	P	19 31 17.0 +1.4
GTA			PP	P	19 32 09.3 +2.2
GTA			PcP	P	19 33 45.8 +0.8
GTA			S	P	19 36 13.0 +1.9
GTA			sS	P	19 36 33.4 +2.9
GTA	comp=Z,38nm,0.9s		pmax		
GTA	comp=Z,2um,6.0s		pmax		
GTA	comp=Z,16um,18.5s		LR	LR	
GTA	comp=Z,17um,22.0s		LR	LR	
GTA	comp=Z,25um,21.9s		LR	LR	
ADK	Adak	32.63 50	PFAKE	LR	19 31 10.0 +1.0
ADK			LR	LR	
ENPP	El Nido	32.73 223	eP	P	19 30 59.0 -2.0
BUKP	Musuan	32.92 211	eP	P	19 31 05.1 -1.2
QIZ	Qiongzhong	33.11 245	eP	P	19 31 06.0 +1.7
QIZ			sP	P	19 31 20.4 +0.5
QIZ			PP	P	19 32 20.3 +0.7
QIZ			S	P	19 36 25.0 +4.4
QIZ			sS	P	19 36 36.1 -3.8
QIZ			pmax		
QIZ	comp=Z,90nm,1.1s		pmax		
QIZ	comp=Z,2um,11.6s		pmax		
QIZ	comp=Z,12um,20.5s		LR	LR	
QIZ	comp=Z,9um,23.1s		LR	LR	
QIZ	comp=Z,14um,16.0s		LR	LR	
QIZ	comp=Z,25nm,1.1s		pmax		
QIZ	comp=Z,89nm,1.0s		pmax		
DAV	Davao City (W)	33.45 210	eP	P	19 31 05.6 -1.6
DAV	Davao City (W)	33.45 210	PFAKE	LR	19 31 20.0 +1.3
DAV			LR	LR	
PAGZ	Pagadian	33.67 214	eP	P	19 31 07.7 -1.4
BILL	Bilibino	33.69 17 d	iP	P	19 31 08.7 -0.1
BILL			e	S	19 32 22.6
BILL			S	P	19 36 26.5 -2.1
BILL			pmax		
BILL	comp=Z,107nm,1.2s		MLR	MLR	
BILL	comp=Z,7um,17.0s		MLR	MLR	
CTBH	Cotabato-PC H	33.85 212	iP	P	19 31 10.8 0.0
TIXI	Tiksi	34.95 353	eP	P	19 31 19.2 -0.5
TIXI			LR	LR	19 46 49.4
TIXI			LR	LR	
TIXI	comp=Z,17um,19.0s,baz=162,slow=38		pmax		19 31 19.2 -0.5
TIXI	comp=Z,40nm,0.8s		pmax		
TIXI	comp=Z,4um,18.0s		MLR	MLR	
KMI	Kumming	35.05 261	P	P	19 31 20.9 -0.5
KMI			PP	P	19 32 39.4 0.0
KMI			PnSn	P	19 36 45.3 -5.7
KMI			S	P	19 37 12.5 +2.0
KMI			sS	P	19 39 10.1 +0.6
KMI			SS	P	
KMI			pmax		
KMI	comp=Z,450nm,0.9s		pmax		
KMI	comp=Z,1um,4.8s		LR	LR	
KMI	comp=Z,13um,23.2s		LR	LR	
KMI	comp=Z,22um,23.5s		LR	LR	
KMI	comp=Z,38um,20.8s		LR	LR	
BATP	Batarani	35.61 223	eP	P	19 31 27.1 +1.2
KDM	Kudat	37.70 223	iP	P	19 31 44.2 +0.5
PANO	Nakornpanom	38.13 248	eP	P	19 31 49.1 +1.7
MYLDM	Lahad Datu	38.30 219	eP	P	19 31 50.3 +1.6
MYLDM			comp=Z,25nm,1.1s		
MYLDM	Lahad Datu	38.30 219	iP	P	19 31 50.4 +1.6
SDKM	Sandakan	38.58 221	iP	P	19 31 52.1 +0.9
NONG	Nongkai	38.66 251	eP	P	19 31 49.3 -2.5
NONG			comp=Z,316nm,0.8s,comp=Z,7um		
SKNT	Sakolnakorn	38.71 249	eP	P	19 31 53.0 +0.8
SKNT			comp=Z,187nm,1.2s,comp=Z,4um		
UBPT	Khong Chiam	38.71 245	eP	P	19 31 53.5 +1.3
UBPT			comp=Z,266nm,0.9s,comp=Z,5um		
KKM	Kota Kinabalu	38.76 223	eP	P	19 31 53.2 +0.4
KKM			comp=Z,212nm,1.4s		
KKM			LR	LR	
KKM	comp=Z,7um,22.0s		LR	LR	
KKM	Kota Kinabalu	38.76 223	iP	P	19 31 53.5 +0.7
SRPI	Serui, Papua	39.35 188	P	P	19 32 00.0 +2.5
TSM	Tawau	39.38 219	iP	P	19 31 58.8 +1.0
JAY	Jayapura	39.70 181	P	P	19 32 04.3 +3.8
GENI	Genyem	39.78 182	P	P	19 32 03.4 +2.2
GENI			comp=Z,189nm,1.2s,comp=Z,6um		
KHON	N Khomkaen	39.97 249	eP	P	19 32 03.3 +0.6
KHON			comp=Z,74nm,0.8s,comp=Z,767nm		
LBMI	Labuha	39.97 202	P	P	19 32 04.1 +1.4
MGZ	Cibinong	40.02 208	P	P	19 32 03.8 +0.7
DSZ	Jazator, Alta	40.22 306	eP	P	19 32 06.0 +1.3
DSZ			pmax		
WMQ	Urumqi	40.72 296	P	P	19 32 10.3 +1.5
WMQ			pP	P	19 32 18.8 -1.8
WMQ			sP	P	19 32 24.8 -0.8
WMQ			PP	P	19 33 49.3 +2.0
WMQ			PcP	P	19 34 08.8 -0.8
WMQ			S	P	19 38 16.3 +0.1
WMQ			sS	P	19 38 40.1 +4.3
WMQ			SS	P	19 41 18.3 +0.6
WMQ			pmax		
WMQ	comp=Z,290nm,1.3s		pmax		
WMQ	comp=Z,5um,6.5s		pmax		
WMQ	comp=Z,13um,21.7s		LR	LR	
WMQ	comp=Z,8um,24.1s		LR	LR	
WMQ	comp=Z,17um,27.7s		LR	LR	
CHAI	Chaiyaphum	40.86 249	P	P	19 32 10.3 +0.1
CHAI			comp=Z,49nm,0.9s,comp=Z,401nm		
MRSI	Marisa	40.91 211	P	P	19 32 10.6 +0.2
FAKI	Fak Fak	41.00 194	P	P	19 32 09.9 -1.3
FAKI	Fak Fak	41.00 194	eP	P	19 32 10.8 -0.4
FAKI			comp=Z,100nm,0.9s		
CHTO	Chiang Mai	41.41 255	eP	P	19 32 14.8 +0.1
CHTO	Chiang Mai	41.41 255	eP	P	19 32 14.6 -0.1
CHTO			pmax		
CHTO	comp=Z,61nm,1.1s		MLR	MLR	
CHTO	comp=Z,17um,20.0s		MLR	MLR	
CHTO	Chiang Mai	41.41 255	eP	P	19 32 14.6 -0.1

CHTO	comp=Z,62nm,1.1s	LR	LR		
CHTO	comp=Z,16um,20.0s	LR	LR		
CHTO	Chiang Mai	41.41 255	P	P	19 32 15.0 +0.3
CHTO	Chiang Mai	41.41 255	P	P	19 32 15.0 +0.3
CHTO	SNR=13		P	P	19 32 15.0 +0.3
CHTO	SNR=13		P	P	19 32 15.0 +0.3
CHTO	SNR=13		P	P	19 32 15.0 +0.3
CM31	Chiang Mai Arr	41.62 255	eP	P	19 32 17.1 +0.7
CMAR	Chiang Mai Arr	41.62 255	eP	P	19 32 16.9 +0.5
CMAR	comp=Z,40nm,0.9s,baz=46,slow=5.9,SNR=20.5		PcP	PcP	19 34 13.8 +0.9
CMAR	comp=Z,1.6nm,1.0s,baz=8.9,slow=3.6,SNR=5.6		ScP	ScP	19 37 58.2 -1.3
CMAR	comp=Z,4.3nm,0.9s,baz=30,slow=2.6,SNR=5.3		S	S	19 38 25.1 -4.8
CMAR	comp=Z,0.6nm,0.3s,baz=320,slow=26,SNR=4.8		LR	LR	19 51 34.9
CMAR	comp=Z,14um,18.1s,baz=66,slow=39		LR	LR	19 52 16.6 +0.2
CM01	Sukhothai	41.63 255	eP	P	19 32 17.4 +0.6
SUKH	Sukhothai	41.63 255	eP	P	19 32 17.4 +0.6
SUKH	comp=Z,45nm,0.9s,comp=Z,314nm		P	P	19 32 16.5 -0.2
ZAAO	Zalesovo Array	41.71 312	eP	P	19 32 16.5 -0.2
ZAAO	comp=Z,379nm,1.0s		P	P	19 32 17.2 +0.5
ZAA1	Zalesovo Array	41.71 312	eP	P	19 32 17.2 +0.5
ZAA1			ePcP	PcP	19 34 12.3 -0.2
ZAA1			eS	S	19 38 23.8 -6.7
ZALV	Zalesovo Beam	41.71 312	P	P	19 32 17.2 +0.5
ZALV	comp=Z,191nm,0.7s,baz=90,slow=6.4,SNR=422		PcP	PcP	19 34 12.3 -0.2
ZALV	comp=Z,30nm,0.8s,baz=96,slow=4.5,SNR=3.1		S	S	19 38 23.8 -6.7
ZALV	comp=Z,6.3nm,1.0s,baz=118,slow=5.2,SNR=3.0		LR	LR	19 50 32.7
ZALV	comp=Z,25um,18.7s,baz=92,slow=37		LR	LR	19 32 17.2 +0.5
ZALV	Zalesovo Beam	41.71 312	P	P	19 32 17.2 +0.5
ZALV			S	S	19 34 12.3
ZALV			S	S	19 38 23.8 -6.7
ZALV	comp=Z,193nm,0.7s		pmax	pmax	
ZALV	comp=Z,30nm,0.8s		smax	smax	
ZALV	comp=Z,6.0nm,1.0s		MLR	MLR	
ZALV	comp=Z,25um,18.7s		MLR	MLR	
SANI	Sanana	41.77 204	P	P	19 32 16.7 -0.9
MPSI	Mapaga	41.89 213	P	P	19 32 18.4 -0.2
MPSI	comp=Z,95nm,1.1s,comp=Z,3um		P	P	19 32 17.8 -1.3
LUWI	Luwuk	41.96 209	P	P	19 32 17.8 -1.3
LUWI	Luwuk	41.96 209	eP	P	19 32 17.8 -1.3
LUWI			comp=Z,245nm,1.0s		
SRAK	Srakaw	42.03 247	P	P	19 32 17.0 -2.7
SRAK	comp=Z,175nm,0.9s,comp=Z,4um		P	P	19 32 20.0 -0.8
IMP	Imphal	42.16 267	eS	S	19 38 40.0 +2.1
IMP			eS	S	19 32 21.5 +0.8
MSAI	Masohi	42.16 199	eP	P	19 32 22.7 +1.0
LSA	Lhasa	42.22 275	eP	P	19 32 22.7 +1.0
LSA	comp=Z,130nm,0.9s		MLR	MLR	
LSA	comp=Z,14um,22.0s		LR	LR	
LSA	comp=Z,127nm,0.8s		LR	LR	
LSA	comp=Z,14um,22.0s		LR	LR	
APSI	Ampana	42.28 210	P	P	19 32 21.4 -0.3
NLAI	Namlea	42.56 201	P	P	19 32 27.9 +4.0
NLAI	comp=Z,195nm,1.8s,comp=Z,4um		P	P	19 32 25.0 +0.8
NVS	Novosibirsk	42.63 313	iP	P	19 38 50.4 +6.4
NVS			pmax	pmax	
NVS	comp=Z,301nm,1.0s		pmax	pmax	
NVS	comp=N,28nm,0.9s		pmax	pmax	
NVS	comp=E,152nm,1.0s		smax	smax	
NVS	comp=N,11nm,1.2s		smax	smax	
NVS	comp=E,27nm,0.9s		smax	smax	
AAI	Abno	42.68 200	P	P	19 32 25.6 +0.7
AAI	comp=E,393nm,2.0s,comp=E,8um				



1323

Table with columns: POO, comp-Z, AMB, 1934, 45.2, MBWA Marble Bar, LVZ Lovozero, etc.

2011 NOV

Table with columns: KULLO, OBN, OBN, OBN, OBN, OBN, etc.

23d 19h

Table with columns: E09A Wood Farm, Sts, GANJ Ganja, GUDC Gudauri, etc.











23d 19h

Table with columns: ID, Name, baz, SNR, P, M, L, R, and other values. Includes entries like VLDQ Val d'Or, R36A Gordon, Harris, GLMI Graylin, etc.

2011 NOV

Table with columns: ID, Name, baz, SNR, P, M, L, R, and other values. Includes entries like V36A Jenks, M45A Bollemakers S, R40A Maddies Statio, etc.

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Table with columns: ID, Name, baz, SNR, P, M, L, R, and other values. Includes entries like V40A Witts Springs, S43A Fulton Ridge, U41A Viola, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like Crenshaw, Makyla and Ka, Hockley, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like Vnda, Jts, Jts, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like Mes3, Mes3, Mes3, etc.

CSEM 23:19:36.48.1±0.4.37.27N.21.73E, h20km, ML1.0, Error ellipse: s-maj=30.7km s-min=7.6km az=92.0

ATH 23:19:36.49.0, 37.23N.21.55E, h18km, ML1.0, Error ellipse: s-maj=2.93km s-min=1.1km az=84.0, Southern Greece

















Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like TRIZ, SERG, PVO, KALE, etc.

ISCJB 24 00:38:28.0-0.9, 17.8S:0.3:178.5W:0.2, h579km, mb3.8/9, Error ellipse: s-maj=43.7km s-min=10.4km az=155.1

IDC 24 00:38:28.7-2.0, 17.86S:178.52W, h574km, 2.2km, mb3.4/9, mb1.3.7/10, mb1.mxs.4/24, mbtmp4.3/10, Error ellipse: s-maj=44.5km s-min=14.2km az=150.0

ISC 24 00:38:28.6-1.0, 17.9S:0.3:178.4W:0.2, h579km, n19, e097/22, mb3.8/9, Fiji Islands region

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like AFI, AF1, STKA, WRA, etc.

NSSC 24 00:47:30.6-2.0, 40.61N:45.56E, h0km, 392km, ML4.4

ISSN 24 00:47:56.7-1.1, 39.22N:43.06E, h0km, 55km, ML4.1

BUI 24 00:48:05.9, 38.27N:42.64E, h25km, mb4.6/27, mb5.0/16, Ms4.5/5, Ms7.4/34

IDC 24 00:48:06.9-0.7, 38.43N:43.04E, h0km, mb4.1/20, mb1.4.2/27, mb1mx4.1/41, mbtmp4.1/27, ML3.3/6, MS3.5/17, Ms1.3.5/17, ms1mx2.2/46, Error ellipse: s-maj=12.5km s-min=9.1km az=156.0

AZER 24 00:48:07.0-0.4, 38.62N:43.01E, h9km, 10km, Error ellipse: s-maj=11.3km s-min=2.8km az=63.0

ATA 24 00:48:07.3-0.9, 38.64N:43.06E, h12km, 7km, MD4.3, ML5.1, MW4.6

MOS 24 00:48:07.1-1.4, 38.43N:43.13E, h10km, mb4.5/23, Error ellipse: s-maj=6.2km s-min=4.4km az=92.1

NEIC 24 00:48:07.6-0.0, 38.63N:43.04E, h5km, mb4.4/15, ML4.5(IK), After ISK

ISK 24 00:48:07.2, 38.63N:43.02E, h5km, ML4.4

DDA 24 00:48:07.6, 38.63N:43.03E, h11km, ML4.5

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like GEVA, GEVAS, ERV, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like BNGL, SVAN, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like DIGO, ERZ, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like EAK, YEDI, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like EUMZ, EUZM, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like SURC, ATAB, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Sonseca Array, PKI Pulchoki, GUN Gumba, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TVAN Van, TVAN Van, TVAN Van, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KOLN Koldanda, PYUN Pluthan, AAK Ala-Archa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DBIC Dimboko, GYA Guiyang, CN2 Changchun, etc.

NIED 24 01:16:00.36:00N:140:50E, h59km, Mw4.3 Best double couple: M3.25000x1015 NP1.39x136.00000, 844.00000, 1.16.00000. NP2.36x34.00000, 879.00000, 1.133.00000. ISCJB 24 01:16:04.1+0.4.35.92N:0.04:140:65E:0.05, h50km, mb4.3/24, MS3.1/3, Error ellipse: s-maj=5.7km s-min=5.4km az=23.3. JMA 24 01:16:06.9d.1.1.35.92N:140:44E, h53km, Mw3.5 Broadband fault plane solution: P waves: NP1.39x136.00000, 844.00000, 1.16.00000. NP2.36x34.00000, 879.00000, 1.133.00000. Principal axes: T: Plg57.00000, Azm293.00000; N: Plg10.00000, Azm39.00000; P: Plg31.00000, Azm135.00000. JMA Felt J1. NEIC 24 01:16:08.7+0.9.35.93N:140:39E, h74km, Mw4.6, mb4.7/5 Error ellipse: s-maj=10.2km s-min=6.9km az=140.0. NEIC Recorded (1 JMA) in Chiba, Ibaraki and Tochigi. IDC 24 01:16:09.1+1.4.35.92N:0.04:140:35E, h78km, mb3.8/19, mb1.4/0.22, mb1mx3.9/36, mbtmp4.2/22, MS3.0/5, Ms1.3/0.5, ms1mx2.7/31, Error ellipse: s-maj=15.9km s-min=7.7km az=67.0. ISC 24 01:16:05.93.5.35:33N:0.05:140:61E:0.06, h50km, m59, s155/60, mb4.3/24, MS3.1/3, 4D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ISK 24 01:30:14.9, 38:57N-43:17E, h6km, MD2.7, ISK 24 01:30:15.9, 38:61N:0.03:43:19E:0.06, h10km, 7km, Error ellipse: s-maj=7.8km s-min=4.6km az=18.3, CSEM 24 01:30:15.5+0.2.38:60N:43:17E, h5km, MD2.7, Error ellipse: s-maj=4.7km s-min=3.8km az=126.0, DDA 24 01:30:15.3, 38:62N:43:18E, h7km, ML2.6, ISC 24 01:30:15.6+0.9.38:60N:0.03:43:16E:0.03, h9km, 9km, n28, c065/42, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TRN 24 00:53:00.9, 12:18N-59:09W, h87km, MD3.9, Windward Islands, BBSP Saint Philip, BBGH Gun Hill, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JYT Yasato, JHG Hitachi, JAG Ashikaga, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VANB Van, VANB Van, VANB Van, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IDC 24 00:55:41.1+2.1.54:75S-153:48E, h0km, mb3.5/2, mb1.3/2, mb1mx3.4/31, mbtmp3.5/2, MS3.3/1, Ms1.3/3.1, ms1mx2.7/15, Error ellipse: s-maj=16.0km s-min=43.5km az=129.0, New Ireland region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MJAR Matushiro Arr, MAJO Matushiro, MAJO Matushiro, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TVAN Van, TVAN Van, TVAN Van, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CSEM 24 01:02:51.7+0.2.38:75N-43:53E, h10km, MD2.9, Error ellipse: s-maj=5.5km s-min=3.4km az=100.0, DDA 24 01:02:51.7, 38:73N-43:50E, h7km, ML2.6, ISK 24 01:02:51.5, 38:77N-43:48E, h8km, MD2.9, ISCJB 24 01:02:52.4+0.4.38:75N:0.02:43:50E:0.05, h13km, 3km, Error ellipse: s-maj=6.9km s-min=3.5km az=15.1, ISC 24 01:02:52.5+0.9.38:74N:0.02:43:52E:0.03, h18km, 4km, n40, c116/56, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KLR Kuldur, PETK Petropavlovsk, ENH Enshi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IDC 24 01:39:09.8+9.36:09N:142:21E, h0km, mb3.7/2, mb1.3/3, mb1mx3.3/35, mbtmp3.3/3, ML3.3/1, MS3.0/1, Ms1.3/2.1, ms1mx2.4/29, Error ellipse: s-maj=145.7km s-min=57.7km az=168.0, JMA 24 01:39:11.7+0.2.36:27N:142:15E, h68km, 5km, M3.2, ISC 24 01:39:13.3+2.0.36:28N:0.1:142:1E:0.1, h19km, n12, c181/10, Off east coast of Honshu







Table of astronomical observations for 24d 3h, listing station names, coordinates, and observation details.

Table of astronomical observations for 2011 NOV, listing station names, coordinates, and observation details.

Table of astronomical observations for 1342, listing station names, coordinates, and observation details.



24d 4h

Table with columns: Call Sign, Frequency, Power, Mode, and other details for stations 24d and 4h.

2011 NOV

Main table listing station call signs, frequencies, and other parameters for various stations.

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Table listing station call signs, frequencies, and other parameters for stations 1344, including CSEM and other identifiers.



NEIC 24 04:15:38.3-0.0, 19.03N-155.67W, h40km, MD3.5(HVO), After HVO, Hawaiian Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MWH, ML0A, WRMH, RIM, UWE, etc.

ISK 24 04:33:17.6, 38.70N-43.14E, h5km, MD2.8

ISCJB 24 04:33:18.0, 0.5, 38.74N-0.03, 43.26E, 0.06, h21km, 7km, Error ellipse: s-maj=7.9km s-min=5.3km az=19.4

CSEM 24 04:33:18.2, 0.2, 38.72N-43.06E, h5km, ML2.6, Error ellipse: s-maj=5.6km s-min=4.5km az=119.0

DDA 24 04:33:18.1, 38.69N-43.25E, h7km, ML2.6

ISC 24 04:33:19.1, 1.0, 38.72N-0.02, 43.23E, 0.03, h18km, 4km, n30, c18/140, Turkey

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like VANB, TVAN, ERVC, etc.

SCB 24 04:36:02.9-0.0, 14.35S-77.41W, h41km, ML3.9/1, Error ellipse: s-maj=29.1km s-min=15.5km az=178.0

IDC 24 04:36:19.5-1.4, 14.56S-76.30W, h0km, mb4.0/6, mb1 4.3/9, mb1mx4.0/10, mbmtmp4.2/9, ML3.9, MS3.4/10, Ms1 3.4/10, ms1mx3.2/31, Error ellipse: s-maj=38.4km s-min=17.9km az=50.0

ISCJB 24 04:36:20.6-0.7, 14.92S-0.07, 76.45W-0.10, h33km, mb4.2/9, MS3.3/6, Error ellipse: s-maj=16.3km s-min=4.4km az=143.7

NEIC 24 04:36:22.2-2.2, 14.28S-76.02W, h40km, 16km, mb4.5/7, Error ellipse: s-maj=23.6km s-min=11.5km az=220.0

ISC 24 04:36:22.2-0.8, 14.85S-0.07, 76.3W-0.1, h35km, n61, c268/59, mb4.5/9, MS3.3/6, CC, Near coast of Peru

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like NNA, BBOD, PB11, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CPUP, PTGA, PTGA, ZARC, etc.

MEX 24 04:39:18.4-0.4, 15.75N-96.75W, h16km, 999km, MD3.8, Near coast of Oaxaca

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like HUIG, VHO, VHO, etc.

DJA 24 04:42:06.3-0.5, 1.5S-120E, h12km, 6km, M3.5/7, ML3.5/7, Sulawesi

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PCI, MPST, APST, etc.

KRSC 24 04:55:01.1-10.0, 54.35N-164.09E, h80km, 10km, ML4.8

IDC 24 04:55:02.6-1.2, 55.90N-163.71W, h0km, mb3.7/6, mb1 4.0/7, mb1mx3.6/31, mbmtmp3.8/7, ML3.4/1, MS2.4/2, Ms1 2.4/2, ms1mx2.2/38, Error ellipse: s-maj=54.3km s-min=18.0km az=151.0

MOS 24 04:55:03.9-0.6, 54.41N-163.95E, h42km, mb4.0/5, Error ellipse: s-maj=6.9km s-min=5.6km az=104.9

ISC 24 04:55:00.3-1.9, 54.36N-163.03E, h40km, 12km, n96, c206/156, mb3.8/8, Komandorski Islands region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BKI, KBTR, KBTR, etc.

IDC 24 05:15:02.5-2.0, 30.06S-138.68E, h0km, mb1 2.9/3, mb1mx2.9/3, mbmtmp2.7/3, ML2.6/3, Error ellipse: s-maj=86.1km s-min=15.6km az=45.0, South Australia

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like STKA, STKA, STKA, etc.

ISCJB 24 05:16:21.5-0.5, 4.48S-0.06, 143.41E-0.08, h103km, mb4.0/10, Error ellipse: s-maj=13.0km s-min=6.4km az=152.1

DJA 24 05:16:22.0-0.8, 4.5S-104.3E, h11km, 19km, MS.0/4, MB4.9/2, mb4.9/4, MLV.0/3, MW(B)4.2/2

IDC 24 05:16:22.4-3.4, 4.46S-143.45E, h97km, 36km, mb3.9/10, mb1 4.0/12, mb1mx3.8/38, mbmtmp4.3/12, MS3.0/2, Ms1 3.0/2, ms1mx2.6/23, Error ellipse: s-maj=24.8km s-min=20.0km az=93.0

NEIC 24 05:16:26.3-2.0, 4.68S-143.71E, h153km, 24km, mb4.2/11, Error ellipse: s-maj=20.9km s-min=9.9km az=135.0

ISC 24 05:16:22.6-0.6, 4.41S-0.08, 143.48E-0.09, h103km, n35, c190/35, mb4.2/10, New Guinea

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like STKA, STKA, STKA, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KPT, KPT, KPT, etc.

ESO Esso

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PET, PET, PET, etc.

PETK 20m, 0.3s, baz=77, slow=40, SNR=9.2

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MTRV, MTRV, MTRV, etc.

SKR Severo-Kuril's 6.07 236 pmax pmax

SKR Severo-Kuril's 6.07 236 eS Sn

MJAR Matsushiro Arr 25.18 236 P Sn

ILAR Eielson Array 26.25 47 P Sn

INK Inuvik 31.42 39 P Sn

H1N2 WAKE ISLAND Hy 34.63 175 T T

H1N3 WAKE ISLAND Hy 34.65 175 T T

H1N1 WAKE ISLAND Hy 34.65 175 T T

YKA Yellowknife Ar 40.63 45 P Sn

MKAR Makanchi Array 49.69 297 P Sn

TXAR Lajitas Array 68.00 70 P Sn

WRA Warramunga Arr 78.26 208 pP Sn

ASAR Alice Springs 81.92 208 pP Sn

RPZ Rata Peaks 97.88 175 LR Sn

IDC 24 05:16:22.4-3.4, 4.46S-143.45E, h97km, 36km, mb3.9/10, mb1 4.0/12, mb1mx3.8/38, mbmtmp4.3/12, MS3.0/2, Ms1 3.0/2, ms1mx2.6/23, Error ellipse: s-maj=24.8km s-min=20.0km az=93.0

NEIC 24 05:16:26.3-2.0, 4.68S-143.71E, h153km, 24km, mb4.2/11, Error ellipse: s-maj=20.9km s-min=9.9km az=135.0

ISC 24 05:16:22.6-0.6, 4.41S-0.08, 143.48E-0.09, h103km, n35, c190/35, mb4.2/10, New Guinea

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like STKA, STKA, STKA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GENI, PMG, WRAB, SOEI, ASAR, FITZ, STKA, etc.

ISK 24 05:19:25.6, 38.29N, 143.65E, h17km, MD2.6
ISCBJ 24 05:19:29.0, 38.48N, 143.55E, 0.1, h16km, 9km,
Error ellipse: s-maj=16.8km s-min=8.8km az=20.7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TVAN, VANB, GEVA, CLDR, etc.

JMA 24 05:21:39.0, 37.79N, 140.03E, h8km, 1km, M2.5, Eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JFT, JFY, JVI, JMM, etc.

MOS 24 05:23:14.5, 1.4, 49.10N, 156.15E, h81km, mb4.2/1, Error ellipse: s-maj=97.9km s-min=8.9km az=77.5

KRSC 24 05:23:14.4, 10.0, 49.10N, 156.16E, h81km, 10km, ML4.1, Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SKR, ASAK, MTRV, RUS, etc.

NNC 24 05:32:00.4, 4.4, 36.50N, 70.39E, h0km, mb3.7, mpv3.3, 4C-3D, Error ellipse: s-maj=48.3km s-min=31.8km az=127.0, Hindu Kush region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SFK, MNAS, KK31, AAK, etc.

MEX 24 06:25:18.6, 0.7, 18.31N, 101.10W, h48km, 14km, MD3.9, Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARIG, ZIIG, MOIG, MEIG, etc.

SOME 24 06:28:44.8, 46.32N, 79.10E, h0km, NNC 24 06:28:54.3, 2.6, 46.31N, 79.07E, h0km, mb2.7, mpv2.6, Error ellipse: s-maj=26.0km s-min=12.4km az=122.0

ISC 24 06:25:43.1, 6.46, 37N, 105.79E, 0.05, h11km, 15km, n11, 1982/22, 2C-4D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KAPS, MAKZ, MK31, DJR, ARXS, etc.

IDC 24 06:35:13.0, 3.2, 16.31S, 174.78W, h207km, 46km, mb3.1/3, mb1 3.4/4, mb1mx3.2/28, mbtmsp3.7/4, Error ellipse: s-maj=275.1km s-min=27.1km az=141.0, Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AFI, WRA, ASAR, ILAR, etc.

GUC 24 07:34:56.7, 0.7, 29.05S, 67.66W, h137km, 7km, ML5.1 NEIC 24 07:34:56.0, 0.0, 29.16S, 67.55W, h140km, mb4.7/36, MD4.8(SJA), After SJA.

NEIC Fel (I) in the Chileco area. Also felt at La Rioja. ISCBJ 24 07:34:56.0, 3.2, 29.13S, 0.02, 67.57W, 0.04, h127km, 2km, mb4.6/43, Error ellipse: s-maj=5.1km s-min=4.0km az=3.5

SJA 24 07:34:56.2, 0.6, 29.16S, 67.55W, h140km, 3km, ML4.8, MW4.8

BUI 24 07:34:57.7, 29.10S, 67.50W, h109km, mb5.3/4 IDC 24 07:34:59.3, 0.7, 29.10S, 67.59W, h137km, 5km, mb4.2/14, mb1 3.4/15, mb1mx4.1/25, mbtmsp4.6/15, MS2.9/4, Ms1 2.9/4, ms1mx2.8/18, Error ellipse: s-maj=20.0km s-min=11.0km az=84.0

ISC 24 07:34:57.6, 0.5, 29.11S, 0.04, 67.58W, 0.04, h128km, 4km, h129km, pP, n123, 1973/154, mb4.6/42, 4C-1D, La Rioja

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ACLA, VCCA, VCA, APPL, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like G003, RTCV, AHML, AUSP, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LVC, LVC, LVC, LVC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CPUP, CPUP, CPUP, CPUP, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TRQA, TRQA, TRQA, TRQA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SAML, BDFB, BDFB, BDFB, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like USHA, PTGA, PTGA, PTGA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CHIC, GUYC, RUSC, RUSC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HELC, HELC, HELC, HELC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MOTA, PCRV, SJCC, CELP, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VNA3, VNA1, VNA2, VNA2, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like QSPA, LTXA, LTXA, LTXA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WWT, PARMO, PBMO, X35A, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SYO, W37B, V36A, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DBIC, DBIC, DBIC, DBIC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FVM, CCM, MHTC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KOWA, X16A, Q24A, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MVCO, MAW, MAW, MAW, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TSMU, SMCO, PV10, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BOSA, TOA0, TOA1, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TORO, TORO, TORO, TORO, etc.







24d 10h

Table with columns for station name, coordinates, and other parameters. Includes stations like MGCD Mangrove Creek, PPT Papeete, RMT Roma, CNB Canberra, etc.

2011 NOV

Table with columns for station name, coordinates, and other parameters. Includes stations like CN2, GMRC Granite Mounta, IRM Iron Mountain, GRAC Grapevine Rang, etc.

1350

Table with columns for station name, coordinates, and other parameters. Includes stations like JMA 24 10:25:33.7, NEIC 24 10:25:34.0, NEIC 24 10:25:34.0, etc.

1351

Table with columns for station call letters, frequency, and signal strength. Includes stations like YSS, UGL, MDJ, KSR, etc.

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Table with columns for station call letters, frequency, and signal strength. Includes stations like DL2, HIA, MA2, CLNS, etc.

24d 10h

Table with columns for station call letters, frequency, and signal strength. Includes stations like TIY, YOH, YOJ, etc.

24d 10h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like H1N3 WAKE ISLAND, WAKE Wake Island, TIXI Tiksi, etc.

2011 NOV

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like DAV Davao City, CTBH Cotabato-PC, CTBZ Cotabato, etc.

1352

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like CNPM comp=Z,100nm,0.8s, LAMP Lampang, SUA Suitina One, etc.

SCM	Sheep Creek Mo	44.97	39	eP	P	10 33 45.9 +0.9
SCM	comp-Z,534nm,1.8s				LR	LR
NAYO	comp-Z,10um,20.0s	45.11	245	P	P	10 33 47.0 +0.4
GLI	Nakonayok	45.21	40	eP	P	10 33 48.0 +1.1
GLI	comp-Z,106nm,1.3s				LR	LR
GLI	Glacier Island	45.21	40	eP	P	10 33 48.0 +1.1
GLI	comp-Z,88nm,0.8s				LR	LR
FYU	Fort Yukon	45.40	32	eP	P	10 33 49.2 +0.9
FYU	comp-Z,8um,20.0s				LR	LR
FYU	comp-Z,1um,1.9s				LR	LR
UMPA	Umpang Tak	45.49	249	P	P	10 33 51.5 +1.9
UMPA	comp-Z,54nm,1.2s,comp-Z,898nm					
UTHA	Uthaitani	45.52	248	P	P	10 33 50.8 +0.9
UTHA	comp-Z,42nm,1.2s					
FID	Port Fidalgo	45.53	41	eP	P	10 33 49.7 +0.3
FID	comp-Z,353nm,1.5s				LR	LR
PDGK	Podgornoye	45.61	294	iP	P	10 33 49.8 -0.6
PDGK	comp-Z,14um,22.0s				pmax	pmax
FAKI	Fak Fak	45.62	195	P	P	10 33 50.2 -0.3
FAKI	comp-Z,254nm,1.3s					
FAKI	Fak Fak	45.62	195	eP	P	10 33 50.0 -0.6
FAKI	comp-Z,369nm,1.1s,comp-Z,6um					
FAKI	comp-Z,532nm,1.2s				LR	LR
PAX	Paxson	45.68	37	eP	P	10 33 52.2 +1.5
PAX	comp-Z,16um,22.0s				pmax	pmax
PAX	Paxson	45.68	37	eP	P	10 33 52.2 +1.5
PAX	comp-Z,220nm,1.8s				LR	LR
PAX	Paxson	45.68	37	eP	P	10 33 52.2 +1.5
PAX	comp-Z,215nm,1.8s				LR	LR
KLU	Klutina	45.68	39	eP	P	10 33 51.4 +0.7
KLU	comp-Z,11um,22.0s				LR	LR
KLU	comp-Z,169nm,1.0s				LR	LR
SHLS	Shalkode	45.69	294	iP	P	10 33 46.4 -4.6
SHLS	comp-Z,1um,0.8s				eS	S
SHLS	Shalkode	45.69	294	iP	P	10 33 46.4 -4.6
SHLS	comp-Z,1um,0.8s				eS	S
DIV	Divide	45.81	40	eP	P	10 33 52.8 +1.1
DIV	comp-Z,18um,17.6s				LR	LR
DIV	Divide	45.81	40	eP	P	10 33 52.8 +1.1
DIV	comp-Z,260nm,1.1s				LR	LR
HARP	HAARP	45.90	38	eP	P	10 33 53.6 +1.2
HARP	comp-Z,12um,22.0s				LR	LR
HARP	HAARP	45.90	38	eP	P	10 33 53.6 +1.2
HARP	comp-Z,281nm,1.0s				LR	LR
EYAK	Cordova Ski Ar	45.92	41	eP	P	10 33 53.7 +1.3
EYAK	comp-Z,9um,22.0s				LR	LR
EYAK	Cordova Ski Ar	45.92	41	eP	P	10 33 53.7 +1.3
EYAK	comp-Z,88nm,0.8s				LR	LR
UZZB	Uzynbulak	45.99	294	iP	P	10 33 51.1 -2.4
UZZB	comp-Z,15um,22.0s					
KPKS	Kokpek	46.10	295	iP	P	10 33 51.9 -2.3
KPKS	comp-Z,687nm,0.5s				eS	S
KPKS	Kokpek	46.10	295	iP	P	10 33 51.9 -2.3
KPKS	comp-Z,2um,1.1s				eS	S
DOT	Dot Lake	46.22	36	eP	P	10 33 54.5 -0.3
DOT	comp-Z,4um,14.5s					
DOT	Dot Lake	46.22	36	eP	P	10 33 54.5 -0.3
DOT	comp-Z,125nm,0.7s				LR	LR
SANI	Sanana	46.32	204	P	P	10 33 55.0 -1.0
SANI	comp-Z,29um,20.0s					
ZHN	Zhinishe	46.38	294	iP	P	10 33 53.1 -3.4
ZHN	comp-Z,306nm,1.1s,comp-Z,7um					
BMRM	Bremner River	46.40	40	eP	P	10 33 57.1 +0.8
BMRM	comp-Z,1um,1.1s					
BMRM	Bremner River	46.40	40	eP	P	10 33 57.1 +0.8
BMRM	comp-Z,179nm,1.0s				LR	LR
PATY	Pattaya	46.42	244	P	P	10 33 58.4 +1.5
PATY	comp-Z,11um,21.0s					
LUWI	Luwuk	46.42	208	eP	P	10 33 55.1 -1.7
LUWI	comp-Z,34nm,1.2s					
LUWI	Luwuk	46.42	208	eP	P	10 33 55.1 -1.7
LUWI	comp-Z,521nm,1.2s					
RAGM	Ragged Mountai	46.47	41	eP	P	10 33 57.8 +0.9
RAGM	comp-Z,249nm,1.3s				LR	LR
RAGM	Ragged Mountai	46.47	41	eP	P	10 33 57.8 +0.9
RAGM	comp-Z,19um,20.0s				LR	LR
MENT	Mentasta	46.48	37	eP	P	10 33 57.9 +1.0
MENT	comp-Z,84nm,1.0s				LR	LR
SRDT	SRDT	46.59	247	P	P	10 33 59.5 +1.3
SRDT	comp-Z,12um,21.0s					
RABL	Rabaul	46.65	167	eP	P	10 33 59.8 +1.1
RABL	comp-Z,806nm,2.1s,comp-Z,9um					
RABL	Rabaul	46.65	167	eP	P	10 33 59.8 +1.1
RABL	comp-Z,1um,1.5s				LR	LR
APSI	Ampana	46.70	210	P	P	10 33 58.4 -0.7
APSI	comp-Z,5um,21.0s					
MSAI	Masoli	46.76	199	eP	P	10 34 03.4 +3.9
MSAI	comp-Z,470nm,1.4s,comp-Z,8um,comp-Z,8um					
TAPN	Tapeljung	46.84	270	eP	P	10 34 00.6 +0.2
TAPN	comp-Z,16nm,0.9s,comp-Z,608nm					
NLAI	Namlea	47.13	202	P	P	10 34 04.0 +1.6
NLAI	comp-Z,1um,1.0s					
PHET	Kaeng Krachan	47.26	245	P	P	10 34 04.5 +1.0
PHET	comp-Z,129nm,1.4s,comp-Z,3um					
AAI	Ambon	47.27	200	P	P	10 34 04.3 +0.8
AAI	comp-Z,16nm,0.9s,comp-Z,608nm					
EGAK	Eagle	47.30	34	eP	P	10 34 03.0 -0.2
EGAK	comp-Z,255nm,0.8s,comp-Z,5um					
EGAK	Eagle	47.30	34	eP	P	10 34 03.0 -0.2
EGAK	comp-Z,230nm,1.3s				LR	LR
MDOK	Medeo	47.33	295	iP	P	10 34 01.6 -2.3
MDOK	comp-Z,12um,22.0s					
MDOK	Medeo	47.33	295	iP	P	10 34 01.6 -2.3
MDOK	comp-Z,1um,1.0s				eS	S
MDOK	Medeo	47.33	295	iP	P	10 34 01.6 -2.3
MDOK	comp-Z,1um,1.0s				eS	S
ODAN	Odare	47.34	270	eP	P	10 34 04.1 -0.2
ODAN	comp-Z,5um,21.0s					
PCI	Palu	47.39	212	P	P	10 34 04.8 +0.3
PCI	comp-Z,1um,1.2s					
AAA	Alma-Ata	47.40	295	eP	P	10 34 04.8 +0.4
AAA	comp-Z,275nm,1.3s,comp-Z,5um					
AAA	Alma-Ata	47.40	295	eP	P	10 34 04.8 +0.4
AAA	comp-Z,2um,1.1s				eS	S
AAA	Alma-Ata	47.40	295	eP	P	10 34 04.8 +0.4
AAA	comp-Z,4um,10.3s				pmax	pmax
AAA	Alma-Ata	47.40	295	eP	P	10 34 04.8 +0.4
AAA	comp-E,8um,10.2s				smax	smax
AAA	Alma-Ata	47.40	295	eP	P	10 34 04.8 +0.4
AAA	comp-Z,16um,16.0s				MLR	MLR
BALM	Baldy	47.47	40	eP	P	10 34 05.5 +0.8
BALM	comp-Z,2um,0.9s				pmax	pmax
BALM	Baldy	47.47	40	eP	P	10 34 05.5 +0.8
BALM	comp-Z,99nm,0.9s					
BALM	Baldy	47.47	40	eP	P	10 34 05.5 +0.8
BALM	comp-Z,99nm,0.9s				LR	LR
BNDI	Bandanaira	47.66	198	P	P	10 34 08.6 +2.1
BNDI	comp-Z,8um,21.0s					
JOHN	Johnston Islan	47.77	107	eP	P	10 34 08.1 +0.6
JOHN	comp-Z,478nm,1.4s,comp-Z,9um					
JOHN	Johnston Islan	47.77	107	eP	P	10 34 08.1 +0.6
JOHN	comp-Z,2um,1.0s				eP	P
BRZS	Berezniaki	47.78	305	iP	P	10 34 05.0 -2.2
BRZS	comp-Z,23um,22.0s					
BRZS	Berezniaki	47.78	305	iP	P	10 34 05.0 -2.2
BRZS	comp-Z,283nm,0.3s				iS	S
JIRN	Jiri	47.80	272	eP	P	10 34 08.1 0.0
JIRN	comp-Z,219nm,15.3s					
RAMN	Ramite	47.80	270	eP	P	10 34 08.5 0.0
RAMN	comp-Z,2um,1.0s					
SBUM	Sibu	47.90	223	eP	P	10 34 08.0 -0.4
SBUM	comp-Z,2um,1.0s					
SBUM	Sibu	47.90	223	eP	P	10 34 08.0 -0.4
SBUM	comp-Z,122nm,1.2s				LR	LR
SBUM	Sibu	47.90	223	eP	P	10 34 08.0 -0.4
SBUM	comp-Z,9um,20.0s					
GUN	Gumba	47.90	272	eP	P	10 34 09.1 +0.8
GUN	comp-Z,2um,1.0s					
GUN	Gumba	47.90	272	eP	P	10 34 09.1 +0.8
GUN	comp-Z,2um,0.8s					
DAWY	Dawson	48.18	35	eP	P	10 34 10.4 +0.3
DAWY	comp-Z,32nm,1.4s					
DAWY	Dawson	48.18	35	eP	P	10 34 10.4 +0.3
DAWY	comp-Z,32nm,1.4s				LR	LR
BVAO	Borovoye Array	48.20	309	P	P	10 34 10.6 +0.2
BVAO	comp-Z,16um,21.0s				pmax	pmax
BVAO	Borovoye Array	48.20	309	P	P	10 34 10.6 +0.2
BVAO	comp-Z,137nm,0.9s					

BVAR	Borovoye Array	48.20	309	P	P	10 34 10.4 0.0
BVAR	comp-Z,80nm,0.4s,baz=76,slow=8.8,SNR=309				PcP	PcP
BVAR	Borovoye Array	48.20	309	P	P	10 35 37.5 +0.6
BVAR	comp-Z,34nm,0.7s,baz=64,slow=3.4,SNR=2.1				LR	LR
BVAR	Borovoye Array	48.20	309	P	P	10 34 10.4 0.0
BVAR	comp-Z,27um,21.4s,baz=81,slow=3.7					
BVAR	Borovoye Array	48.20	309	P	P	10 35 37.5
BVAR	comp-Z,82nm,0.4s				pmax	pmax
BRVK	Borovoye	48.26	310	eP	P	10 34 10.9 +0.1
BRVK	comp-Z,27um,21.4s				MLR	MLR
BRVK	Borovoye	48.26	310	eP	P	10 34 10.9 +0.1
BRVK	comp-Z,340nm,1.1s					
BRVK	Borovoye	48.26	310	eP	P	10 34 10.9 +0.1
BRVK	comp-Z,342nm,1.1s				LR	LR
BRVK	Borovoye	48.26	310	eP	P	10 34 10.9 +0.1
BRVK	comp-Z,29um,21.0s					
BRVK	Borovoye	48.26	310	eP	P	10 34 11.2 +0.5
BRVK	comp-Z,29um,21.0s					
BRVK	Borovoye	48.26	310	eP	P	10 34 11.2 +0.5
BRVK	SNR=62					
BRVK	Borovoye	48.26	310	eP	P	10 34 11.2 +0.5
BRVK	SNR=62					
BRVK	Borovoye	48.26	310	eP	P	10 34 11.2 +0.5
BRVK	SNR=62					
TKM2	Tokmak 2	48.40	295	iP	P	10 34 12.6 +0.3
TKM2	comp-Z,531nm,0.9s				pmax	pmax
TKM2	Tokmak 2	48.40	295	iP	P	10 34 12.6 +0.3
TKM2	comp-Z,531nm,0.9s					
KKN	Kakani	48.41	272	eP	P	10 34 12.8 +0.2
KKN	comp-Z,1um,0.9s					
PKI	Pulchoki	48.43	272	eP	P	10 34 12.8 -0.1
PKI	comp-Z,1um,0.9s					
PKIN	Phulchoki	48.44	272	eP	P	10 34 13.1 +0.2
PKIN	comp-Z,1um,0.9s					
TARA	Tarawa	48.61	138	P	P	10 34 30.0 +1.6
TARA	comp-Z,10um,21.0s				LR	LR
BTL5	Baital	48.62	298	iP	P	10 34 11.3 -2.4
BTL5	comp-Z,839nm,1.2s					
DMN	Daman	48.64	272	eP	P	10 34 14.6 +0.2
DMN	comp-Z,810nm,1.0s					
PCA	Pinnacle	48.68	41	eP	P	10 34 14.8 +0.8
PCA	comp-Z,80nm,1.0s				LR	LR
PCA	Pinnacle	48.68	41	eP	P	10 34 14.8 +0.8
PCA	comp-Z,8um,19.0s					
GKN	Gorkha	48.78	273	eP	P	10 34 15.4 +0.1
GKN	comp-Z,573nm,1.3s,comp-Z,13um					
BKB	Balikpapan	48.93	215	P	P	10 34 16.9 +0.6
BKB	comp-Z,573nm,1.3s,comp-Z,13um					
CHMS	Chumysh	48.94				







1357

Table with columns for call sign, name, frequency, mode, and other details. Includes entries like GKP, Gorka Klasztor, BFSC, Mount Baldy Ra, IAS, SHPR, Sheep Range, etc.

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Table with columns for call sign, name, frequency, mode, and other details. Includes entries like PETR, Petresti, Stebnicka Huta, STHS, etc.

24d 10h

Table with columns for call sign, name, frequency, mode, and other details. Includes entries like N23A, Red Feather La, N23A, Red Feather La, etc.



24d 10h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CLL, SMCO, KAC, LOT, Y14A, etc.

2011 NOV

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like S22A, HERR, FKX, Q24A, W18A, etc.

1358

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like F37A, HPK, RDO, BEHE, RAYN, etc.

1359

BCLA	Clavier	80.84 334	P	P	10 37 43.0	0.0
J36A	Seneca 1, Swea	80.80 384	P	P	10 37 43.0	-0.6
STU	Stuttgart	80.90 331	eP	P	10 37 44.4	+0.7
STU	comp-Z, 160nm, 0.4s	80.90 331	eP	P	10 37 44.4	+0.7
STU	comp-Z, 159nm, 0.4s			LR		
L34A	Svendsen Farm, Svendsen	80.92 40	P	P	10 37 44.1	+0.1
MYKA	Terra Mystica	80.96 327	iP	P	10 37 44.2	0.0
BLY	Banja Luka	80.97 324	eP	P	10 37 44.7	+0.5
BLY	comp-Z, 194nm, 1.7s			LR		
WPM1	Penmaenmawr	80.97 340	eP	P	10 37 44.3	+0.3
Y22D	IRIS PASCAL I	81.02 52	PFAKE	LR	10 38 00.0	+15
LPM	Los Pinos Moun	81.02 52	eP	P	10 37 46.0	+1.1
SIGR	SIGRI	81.02 315	eP	P	10 37 44.1	-0.4
SIGR	SIGRI	81.02 315	eP	P	10 37 44.1	-0.4
KNT	Kendrikon	81.07 319	P	P	10 37 43.8	-1.0
KNT	Kendrikon	81.07 319	P	P	10 37 43.8	-1.0
KNT	Kendrikon	81.07 319	P	P	10 37 43.8	-1.0
AYDN	Tasoluk	81.08 313	iP	P	10 37 46.0	+1.0
PLE	Pjeljija	81.09 322	iP	P	10 37 45.6	+0.6
SNF	Seneffe	81.09 335	P	P	10 37 44.8	+0.1
SOH	Sokhos	81.10 318	eP	P	10 37 44.4	-0.6
SOH	Sokhos	81.10 318	eP	P	10 37 44.4	-0.6
SOH	Sokhos	81.10 318	eP	P	10 37 44.4	-0.6
VAY	Valandovo	81.11 319	iP	P	10 37 45.5	+0.5
VAY	Valandovo	81.11 319	iP	P	10 37 45.3	+0.3
VAY	Valandovo	81.11 319	eP	P	10 37 45.3	+0.3
VAY	Valandovo	81.11 319	eP	P	10 37 45.3	+0.3
FOEL	Foel Wyifa	81.13 340	eP	Iamb	10 37 45.0	+0.1
FOEL	comp-Z, 194nm, 1.0s			IAMS_20	11 15 38.5	
BNM	Barren Site	81.13 52	eP	P	10 37 46.6	+1.1
VISS	Vinsje	81.13 326	iP	P	10 37 45.0	0.0
OUR	Ouranopolis	81.15 317	eP	P	10 37 45.1	-0.1
OUR	Ouranopolis	81.15 317	eP	P	10 37 45.1	-0.1
OUR	Ouranopolis	81.15 317	eP	P	10 37 45.1	-0.1
AKAS	Kas	81.16 311	iP	P	10 37 44.7	-0.8
AKAS	Kas	81.16 311	iP	P	10 37 45.2	-0.3
FETY	Fethiye	81.16 312	eP	P	10 37 44.4	-1.0
FETY	Fethiye	81.16 312	eP	P	10 37 44.4	-1.0
G40A	Rib Lake	81.16 35	P	P	10 37 45.1	-0.2
H39A	Augusta	81.16 36	P	P	10 37 44.9	-0.3
M34A	Aspy Farms, Fr	81.17 41	P	P	10 37 45.3	-0.1
SKO	Skopje	81.17 320	iP	P	10 37 46.0	+0.7
SKO	Skopje	81.17 320	eP	P	10 37 46.0	+0.7
SKO	Skopje	81.17 320	eP	P	10 37 46.0	+0.7
SKO	Skopje	81.17 320	eP	P	10 37 46.0	+0.7
WATA	Walderalm	81.20 329	iP	P	10 37 46.1	+0.6
I38A	Scanlan Farm, Scania	81.20 37	P	P	10 37 44.8	-0.6
BOJS	Bojanci	81.20 326	iP	P	10 37 45.4	0.0
WLF	Walferdange	81.20 333	PFAKE	LR	10 38 00.0	+15
WLF	Walferdange	81.20 333	PFAKE	LR	10 38 00.0	+15
IWA	Berane	81.21 321	iP	P	10 37 46.1	+0.5
J37A	Redenius Farm, Redenius	81.22 38	P	P	10 37 45.0	-0.6
LANF	Langenberg	81.22 332	eP	P	10 37 45.5	0.0
KSL	Kastellorizon	81.23 311	eP	P	10 37 45.0	-0.7
KSL	Kastellorizon	81.23 311	eP	P	10 37 45.0	-0.7
WTTA	Wattenberg	81.23 329	iP	P	10 37 46.3	+0.5
F41A	Three Lakes	81.24 34	P	P	10 37 45.7	+0.1
TURN	Turunc	81.25 312	iP	P	10 37 48.0	+2.2
DALY	Dalyan (Mu'a)	81.27 312	iP	P	10 37 46.4	+0.5
LLW	Llanuwchllyn	81.29 340	eP	P	10 37 45.6	0.0
ABTA	Alfalfersbach	81.31 328	iP	P	10 37 45.4	-0.7
K36A	Gilmore City	81.32 39	P	P	10 37 45.7	-0.4
DOU	Dourbes	81.35 334	P	P	10 37 45.8	-0.3
MOTA	Moosalm	81.37 329	iP	P	10 37 47.0	+0.5
JAVS	Javornik	81.38 327	iP	P	10 37 45.9	-0.6
RETA	Reutte	81.39 329	iP	P	10 37 47.1	+0.6
HLM1	Long Mynd	81.39 340	eP	P	10 37 47.6	+1.3
HLM1	comp-Z, 144nm, 1.7s			Iamb	10 37 48.6	
HLM1	comp-Z, 144nm, 1.7s			IAMS_20	11 15 45.3	
PVY	Plav	81.39 321	eP	P	10 37 46.6	-0.1
HORT	Horliatis	81.40 318	P	P	10 37 46.0	-0.7
HORT	Horliatis	81.40 318	P	P	10 37 46.0	-0.7
KOME	Kolasin	81.40 322	iP	P	10 37 46.7	0.0
UPM	Unac-Piva	81.41 322	iP	P	10 37 46.4	-0.4
THE	Theasaltoniki	81.44 318	eP	P	10 37 46.0	-0.7
THE	Theasaltoniki	81.44 318	eP	P	10 37 46.0	-0.7
THE	Theasaltoniki	81.44 318	eP	P	10 37 46.0	-0.7
GRG	Griva	81.47 319	eP	P	10 37 46.0	-1.0
GRG	Griva	81.47 319	eP	P	10 37 46.0	-1.0
319A	Douglas	81.48 55	eP	P	10 37 48.4	+1.1
319A	comp-Z, 186nm, 1.2s			LR		
CHOS	Chios island	81.53 315	P	P	10 37 47.0	-0.4
CHOS	Chios island	81.53 315	P	P	10 37 47.0	-0.4
BFO	Black Forest	81.58 331	eP	P	10 37 47.7	+0.3
BFO	Black Forest	81.58 331	eP	P	10 37 47.7	+0.3
BFO	Black Forest	81.58 331	eP	P	10 37 47.7	+0.3
BFO	Black Forest	81.58 331	eP	P	10 37 47.7	+0.3
DSB	Dublin	81.58 342	eP	LR	10 37 47.9	+0.6
DSB	comp-Z, 60nm, 0.9s			LR		
121A	Cookes Peak, D	81.58 54	P	P	10 37 48.9	+1.0
CBKS	Cedar Bluff	81.59 44	P	P	10 37 47.2	-0.4
CBKS	Cedar Bluff	81.59 44	eP	P	10 37 47.3	-0.4
CBKS	Cedar Bluff	81.59 44	eP	P	10 37 47.3	-0.4
CBKS	Cedar Bluff	81.59 44	eP	P	10 37 47.3	-0.4
CBKS	Cedar Bluff	81.59 44	eP	P	10 37 47.3	-0.4
H40A	Chili	81.59 35	P	P	10 37 47.5	0.0
K37A	Belmond	81.60 38	P	P	10 37 47.4	-0.2
SMG	Samos	81.61 314	P	P	10 37 46.5	-1.2
SMG	Samos	81.61 314	P	P	10 37 46.5	-1.2
PAIG	Paliouri	81.61 317	eP	P	10 37 47.1	-0.6
PAIG	Paliouri	81.61 317	eP	P	10 37 47.1	-0.6
PAIG	Paliouri	81.61 317	eP	P	10 37 47.1	-0.6
F42A	Maple Grove Fa	81.63 33	P	P	10 37 47.3	-0.3
M35A	Neola	81.63 40	P	P	10 37 48.1	+0.4
G41A	Antigo	81.64 34	P	P	10 37 47.7	0.0
TRI	Trieste	81.66 327	eP	P	10 37 47.1	-0.7
TRI	Trieste	81.66 327	eP	P	10 37 47.1	-0.7
TRI	Trieste	81.66 327	eP	P	10 37 47.1	-0.7
TRI	Trieste	81.66 327	eP	P	10 37 47.1	-0.7
TRI	Trieste	81.66 327	eP	P	10 37 47.1	-0.7
NKY	Niksiz	81.67 322	eP	P	10 37 47.7	-0.4
J38A	Wedel Dairy, R	81.70 37	P	P	10 37 47.9	-0.2

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I39A	Houston	81.71 36	P	P	10 37 47.9	-0.2
MENF	Mencas	81.71 336	eP	P	10 37 44.7	-3.3
N34A	Lincoln	81.72 41	P	P	10 37 47.6	-0.6
KRUS	Krusevo	81.72 320	iP	P	10 37 48.7	+0.3
NKME	Niksic	81.73 322	iP	P	10 37 47.9	-0.4
BDRM	Kayabasi	81.75 313	iP	P	10 37 48.9	+0.4
OUZ	Omahuta	81.77 155	eP	P	10 37 50.3	+2.0
OZU	Ouz			LR	10 38 01.2	-1.0
FETA	Feichten	81.78 329	iP	P	10 37 48.9	+0.3
BRY	Ceyo	81.81 322	iP	P	10 37 48.3	-0.6
BODT	Bodrum	81.82 313	eP	P	10 37 47.9	-1.0
BODT	Bodrum	81.82 313	eP	P	10 37 47.9	-1.0
PDG	Podgorica	81.85 321	iP	P	10 37 49.0	+0.1
PDG	Podgorica	81.85 321	iP	P	10 37 48.5	-0.4
TTG	Podgorica	81.85 321	iP	P	10 37 48.5	-0.4
TTG	Podgorica	81.85 321	iP	P	10 37 48.5	-0.4
TTG	Podgorica	81.85 321	iP	P	10 37 48.5	-0.4
STRD	Stroud	81.87 339	eP	P	10 37 49.2	+0.4
STRD	comp-Z, 275nm, 1.2s			Iamb	10 37 51.1	
DAVA	Damuels	81.89 330	iP	P	10 37 49.7	+0.5
MCH1	Michaechuzer	81.89 339	eP	P	10 37 48.7	-0.2
MCH1	comp-Z, 147nm, 1.2s			IAMS_20	11 16 11.6	
CEME	Ceyo	81.92 322	iP	P	10 37 48.6	-0.7
BIA	Bitola	81.95 319	iP	P	10 37 49.8	+0.3
HMXN	Herstmonceux	81.98 337	eP	P	10 37 50.3	+1.0
HMXN	comp-Z, 524nm, 1.3s			Iamb	10 37 51.9	
HMXN	comp-Z, 12um, 19.9s			IAMS_20	11 15 26.5	
MONM	Monmouth	81.98 339	eP	P	10 37 49.6	+0.2
MONM	comp-Z, 192nm, 1.2s			Iamb	10 37 51.6	
MONM	comp-Z, 192nm, 1.2s			IAMS_20	11 16 28.6	
WOL	Wolverton	82.03 338	eP	P	10 37 48.2	-1.4
WOL	comp-Z, 251nm, 1.4s			Iamb	10 37 51.6	
WOL	comp-Z, 251nm, 1.4s			IAMS_20	11 14 41.9	
J39A	Decorah	82.03 37	P	P	10 37 48.8	-1.0
L37A	Phenix Point	82.04 39	P	P	10 37 49.7	-0.2
LPW	Lampeter	82.06 340	eP	P	10 37 50.0	+0.2
LPW	comp-Z, 185nm, 1.2s			Iamb	10 37 51.9	
LPW	comp-Z, 185nm, 1.2s			IAMS_20	11 19 33.8	
HSIG	HSIG	82.07 58	PFAKE	LR	10 38 00.0	+10
M36A	Fella Anita	82.07 40	P	P	10 37 49.8	-0.3
DRME	Dracevica, Mon	82.07 321	iP	P	10 37 49.9	-0.2
I40A	Norwalk	82.08 36	P	P	10 37 49.5	-0.6
LIT	Litokhoron	82.08 318	eP	P	10 37 49.1	-1.1
LIT	Litokhoron	82.08 318	eP	P	10 37 49.1	-1.1
LIT	Litokhoron	82.08 318	eP	P	10 37 49.1	-1.1
K38A	Parkersburg	82.09 38	P	P	10 37 49.9	-0.2
ECH	Ech	82.09 332	eP	P	10 37 50.0	-0.1
FNA	Florida	82.11 319	P	P	10 37 49.4	-1.0
FNA	Florida	82.11 319	P	P	10 37 49.4	-1.0
FNA	Florida	82.11 319				

24d 10h

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like VLC Villacolemand, IDI Anoyia, VLS Valsamata, etc.

2011 NOV

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like REVV Revere, VERF Verneuehoel, TUL1 Leonard, etc.

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Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like X36A Centrahoma, V38A Canehill, W37B Quinton, etc.

1361

U43A	comp=Z,134nm,1.3s	88.18	40	P	P	10 38 20.6	-0.1
W41B	baz=324,SNR=9.5	88.22	42	P	P	10 38 20.9	0.0
ALLY	Allegheyy Colle	88.23	31	eP	P	10 38 21.6	+0.7
Y39A	Lockesburg	88.25	44	P	P	10 38 21.2	+0.1
PARMO	Parma	88.25	40	eP	P	10 38 21.8	+0.8
PARMO	comp=Z,5um,21.0s			LR	LR		
NCB	Newcomb	88.29	26	eP	P	10 38 21.5	+0.4
NCB	comp=Z,2.5nm,1.7s			eP	LR		
Z38A	Mt. Pleasant	88.30	45	P	P	10 38 21.5	+0.2
ACSO	Alum Creek Sta	88.32	33	eP	P	10 38 21.6	+0.3
ACSO	comp=Z,4um,19.0s			LR	LR		
LTZ	Lake Taylor	88.38	159	PFAKE	LR		
KHZ	Kahutara	88.39	158	PFAKE	LR		
VT1	Waterbury	88.43	25	eP	P	10 38 22.6	+0.8
VT1	comp=Z,8um,22.0s			LR	LR		
FOZ	Fox Glacier	88.44	161	PFAKE	LR		
FOZ	comp=Z,6um,21.0s			LR	LR		
X40A	Basin Creek Fa	88.46	43	P	P	10 38 22.5	+0.4
PVMO	Portageville	88.48	40	PFAKE	LR		
PVMO	comp=Z,6um,20.0s			LR	LR		
UALR	University of	88.49	43	PFAKE	LR		
CLTB	Caltabellotta	88.51	322	PFAKE	LR		
M54A	Oil Creek Stat	88.54	30	P	P	10 38 22.4	+0.1
WCI	Wyandotte Cave	88.57	37	eP	Pmax	10 38 23.1	+0.5
WCI	comp=Z,140nm,1.3s			eP	P		
WCI	Wyandotte Cave	88.57	37	eP	P	10 38 23.1	+0.5
WCI	comp=Z,143nm,1.4s			LR	LR		
V43A	Jonesboro	88.58	41	P	P	10 38 23.6	+1.0
VSL	Villasalto	88.61	326	PFAKE	LR		
VSL	comp=Z,11um,21.0s			LR	LR		
Y40A	Okolona	88.61	44	P	P	10 38 22.8	0.0
PKME	Peaks-Kenny Pk	88.61	22	PFAKE	LR		
PKME	comp=Z,6um,20.0s			LR	LR		
X41A	Kaden, Bauxite	88.62	43	P	P	10 38 23.0	+0.2
CARF	Carcarieres	88.63	332	eP	P	10 38 24.4	+1.5
GNAR	Gosnell	88.69	40	eP	P	10 38 24.5	+1.4
GNAR	comp=Z,298nm,1.4s			LR	LR		
HBAR	Harrisburg	88.71	41	eP	P	10 38 24.9	+1.7
HBAR	comp=Z,424nm,1.3s			LR	LR		
LBNH	Lisbon	88.77	24	PFAKE	LR		
LBNH	comp=Z,4um,22.0s			LR	LR		
GLAT	Glass	88.79	40	eP	P	10 38 24.3	+0.7
GLAT	comp=Z,6um,21.0s			eP	LR		
GLAT	comp=Z,6um,21.0s			eP	LR		
OXZ	Oxford	88.82	159	eP	P	10 38 24.3	+1.1
OXZ	comp=Z,80nm,1.0s			LR	LR		
T46A	Princeton	88.82	38	P	P	10 38 24.4	+0.6
N54A	Moraine State	88.89	31	P	P	10 38 24.3	+0.4
RPZ	Rata Peaks	88.92	160	LR	LR	11 15 15.2	
UTMT	University of	88.94	39	eP	P	10 38 25.0	+0.7
VALF	Valchobolere	88.94	332	eP	P	10 38 24.7	+0.3
WLAR	White Oak Lake	88.95	44	eP	P	10 38 24.2	-0.2
WLAR	comp=Z,250nm,1.1s			eP	LR		
U45A	Rockin' P Farm,	88.98	39	P	P	10 38 25.1	+0.6
ACCN	Adirondack Com	88.99	26	eP	P	10 38 24.9	+0.5
ACCN	comp=Z,5um,19.0s			eP	LR		
Y41A	Eaglette Beard	89.06	43	P	P	10 38 25.1	+0.2
HALT	Halls	89.06	40	PFAKE	LR		
HALT	comp=Z,6um,21.0s			LR	LR		
Z40A	Long Farm, Mag	89.14	44	P	P	10 38 25.9	+0.7
HNH	Hanover	89.14	25	PFAKE	LR		
HNH	comp=Z,7um,22.0s			LR	LR		
H06E1	SOCORRO T-PHASE	89.16	65	T	T	12 17 10.0	
REYF	Montagne du Re	89.16	334	eP	P	10 38 26.2	+0.9
VIEF	View	89.19	334	eP	P	10 38 26.5	+1.0
CR LZ	Canterbury Las	89.21	159	PFAKE	LR		
T47A	Sharon Grove	89.23	38	P	P	10 38 26.2	+0.6
LMN	Caledonia Moun	89.24	19	eP	P	10 38 26.4	+0.8
LMN	comp=Z,88nm,1.0s			eP	LR		
WDD	Wied Dalam	89.31	320	PFAKE	LR		
WDD	comp=Z,9um,22.0s			LR	LR		
LBZ	Lake Benmore	89.33	161	PFAKE	LR		
LBZ	comp=Z,6um,21.0s			LR	LR		
MQZ	McQueen's Vall	89.34	159	PFAKE	LR		
MQZ	comp=Z,5um,22.0s			LR	LR		
MET	Memphis-Engin	89.41	41	PFAKE	LR		
MET	comp=Z,5um,21.0s			LR	LR		
GGN	Saint George	89.41	20	PFAKE	LR		
GGN	comp=Z,9um,22.0s			LR	LR		
X43A	Marvell	89.42	42	P	P	10 38 26.9	+0.4
Z41A	Richland Creek	89.45	44	P	P	10 38 27.4	+0.7
CCAR	Cane Creek	89.45	43	eP	P	10 38 28.0	+1.2
CCAR	comp=Z,142nm,1.0s			LR	LR		
WKZ	Wanaka	89.47	162	PFAKE	LR		
WKZ	comp=Z,6um,21.0s			LR	LR		
Y42A	Garnett, Star	89.51	43	P	P	10 38 27.6	+0.6
140A	Cam and Jess,	89.53	45	P	P	10 38 27.8	+0.7
FFD	Franklin Falls	89.55	24	PFAKE	LR		
FFD	comp=Z,7um,21.0s			LR	LR		
TRY	Troy	89.58	26	eP	P	10 38 27.9	+0.7
TRY	comp=Z,7um,21.0s			eP	P		

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TRY	comp=Z,4um,20.0s			LR	LR		
WVT	Waverly	89.59	39	eP	P	10 38 27.9	+0.5
WVT	Waverly	89.59	39	eP	P	10 38 27.9	+0.5
WVT	comp=Z,59nm,1.1s			LR	LR		
833A	Chaparral WMA,	89.61	51	P	P	10 38 28.3	+0.8
EMMW	East Machias	89.62	21	PFAKE	LR		
EMMW	comp=Z,7um,21.0s			LR	LR		
NATX	Nacogdoches	89.64	46	eP	P	10 38 28.7	+1.1
NATX	comp=Z,7um,21.0s			eP	LR		
NATX	comp=Z,4um,20.0s			LR	LR		
DCZ	Deep Cove	89.65	163	PFAKE	LR		
DCZ	comp=Z,4um,20.0s			LR	LR		
ATD	Arta Tunnel	89.67	285	eP	P	10 38 29.5	+1.4
ATD	comp=Z,248nm,1.0s			LR	LR		
W45A	Hickory Valley	89.74	40	P	P	10 38 28.7	+0.6
W45A	baz=324,SNR=6.3			LR	LR		
MLZ	Mavora Lakes	89.77	162	PFAKE	LR		
MLZ	comp=Z,7um,19.0s			LR	LR		
Z42A	Norri Spur, H	89.87	43	P	P	10 38 29.3	+0.6
Z42A	baz=323,SNR=14			LR	LR		
240A	Hunter Patters	89.90	45	P	P	10 38 29.7	+0.8
141A	Papa Simpson,	89.91	44	P	P	10 38 29.8	+0.9
KSPA	Keystone Colle	89.91	28	PFAKE	LR		
KSPA	comp=Z,6um,22.0s			LR	LR		
SSPA	Standing Stone	89.96	30	eP	P	10 38 29.5	+0.5
SSPA	comp=Z,181nm,1.3s			LR	LR		
O56A	Blue Knob Stat	90.03	30	P	P	10 38 29.9	+0.5
O56A	baz=331,SNR=7.9			LR	LR		
MCWV	Mont Chateau	90.06	32	eP	P	10 38 30.6	+1.1
MCWV	comp=Z,142nm,1.5s			LR	LR		
ODZ	Otahua Downs	90.07	161	PFAKE	LR		
ODZ	comp=Z,4um,20.0s			LR	LR		
TBI	Tubuai	90.13	122	eS	P	10 49 20.3	+0.7
TBI	comp=Z,4um,27.2s			LR	LR		
TBI	Tubuai	90.13	122	eLR	LR	11 06 48.7	
TBI	comp=Z,15um,22.5s, baz=315			LR	LR		
TBI	Tubuai	90.13	122	eT	T	12 17 43.4	
OXF	Oxford	90.15	41	eP	P	10 38 30.4	+0.4
OXF	comp=Z,102nm,0.3s			eP	LR		
OXF	Oxford	90.15	41	eP	P	10 38 30.4	+0.4
OXF	comp=Z,5um,22.0s			eP	LR		
X45A	UM Field Stati	90.23	41	P	P	10 38 30.6	+0.2
X45A	baz=332,SNR=6.0			LR	LR		
WHZ	Wether Hill Ro	90.23	163	PFAKE	LR		
WHZ	comp=Z,4um,18.0s			LR	LR		
241A	Mo Tay, Goldon	90.36	45	P	P	10 38 32.2	+1.2
HKT	Hockley	90.39	48	eP	P	10 38 33.3	+2.2
HKT	comp=Z,32um,22.0s			eP	LR		
HKT	Hockley	90.39	48	eP	P	10 38 33.3	+2.2
HKT	comp=Z,32um,22.0s			eP	LR		
QUAZ	Belchertown	90.41	25	PFAKE	LR		
QUAZ	comp=Z,4um,21.0s			LR	LR		
PLAL	Pickwick Lake	90.41	40	eP	P	10 38 31.2	0.0
PLAL	comp=Z,47nm,1.4s			LR	LR		
142A	Monroe	90.45	44	P	P	10 38 32.2	+0.9
142A	baz=323,SNR=6.0			LR	LR		
HRV	Adam Dzewonski	90.45	25	PFAKE	LR		
HRV	comp=Z,6um,22.0s			LR	LR		
N59A	State Game Lan	90.48	28	P	P	10 38 31.9	+0.5
N59A	baz=322,SNR=6.0			LR	LR		
143A	Socs Landing,	90.60	43	P	P	10 38 32.7	+0.6
143A	baz=323			LR	LR		
Y45A	Yeager Farm, C	90.61	41	P	P	10 38 33.1	+1.0
Y45A	baz=324,SNR=9.1			LR	LR		
Z44A	Pea Ridge, Bel	90.64	42	P	P	10 38 32.8	+0.6
Z44A	baz=324,SNR=7.9			LR	LR		
WES	Weston	90.64	25	eP	Pmax	10 38 32.7	+0.6
WES	comp=Z,159nm,1.3s			MLR	MLR		
WES	Weston	90.64	25	eP	P	10 38 32.7	+0.6
WES	comp=Z,6um,22.0s			LR	LR		
WES	comp=Z,159nm,1.3s			LR	LR		
242A	Grayson	90.72	44	P	P	10 38 33.3	+0.6
242A	baz=322			LR	LR		
BCX	Boston College	90.73	24	PFAKE	LR		
BCX	comp=Z,5um,19.0s			LR	LR		
ODNJ	Ogdensburg						

24d 10h

Table with columns for station name, frequency, and various parameters. Includes stations like Barrancos, Beja, Mesesjana, and others.

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Table with columns for station name, frequency, and various parameters. Includes stations like Torodi Ar. Bea, Torodi Ar. Sit, and others.

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Table with columns for station name, frequency, and various parameters. Includes stations like NVL, LPAZ, RCBR, and others.





Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station identifiers. Includes stations like ADCV, BITLIS, CALDIRAN, TUTA, etc.

ISCJB 24 13:25:37.6, 0.4, 37.37N, 0.03, 74.41E, h10km, mb3.8/14, Error ellipse: s-maj=7.8km s-min=3.7km az=151.8

Main table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station identifiers. Includes stations like KASHI, SUFI-KURGAN, CHIRAH CHOWK, etc.

CSEM 24 13:34:25.8, 0.3, 38.49N, 43.32E, h2km, MD2.7, Error ellipse: s-maj=9.6km s-min=6.2km az=94.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station identifiers. Includes stations like TVAN, VANB, GEVA, etc.

DJA 24 13:34:34.0, 4.0, 9.57S, 111.8E, h113km, M3.9/12, mb4.1/1, ML3.8/12, Sumbawa region

ISCJB 24 13:56:49.1, 1.2, 43.44N, 0.09, 88.6E, 0.1, h10km, mb3.2/1, MS3.1/1, Error ellipse: s-maj=15.0km s-min=9.9km az=137.5

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station identifiers. Includes stations like MK31, KURBB, etc.

ISN 24 14:10:23.7, 0.9, 31.73N, 49.67E, h0km, 29km, ML4.0, ISCJB 24 14:10:27.3, 0.3, 31.77N, 0.03, 49.27E, 0.3, h10km, mb3.9/14, Error ellipse: s-maj=5.0km s-min=3.6km az=107.7





Table with columns: Code, Station Name, Az, El, Pmax, P, S, M, L, R, and various numerical values. Includes stations like MSAI Masoshi, LBI Labuha, BNDI Bandanaira, etc.

Table with columns: Code, Station Name, Az, El, Pmax, P, S, M, L, R, and various numerical values. Includes stations like KSH, KSH, KSH, etc.

Table with columns: Code, Station Name, Az, El, Pmax, P, S, M, L, R, and various numerical values. Includes stations like TRVZ Turoa, WNVZ Wahianoa, WNVZ Wahianoa, etc.



Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like WEL Wellington, PAWZ Paruwai Farm, TRWZ Traveller, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like MHEV Mahe Island, CLL Collm, NC405 NORSAR Array S, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like VRTB Varto-Mus, VRTB Varto-Mus, VRTB Varto-Mus, etc.

IDC 24 15:49:38.5-2.9,35:85N-71:44E,h0km,mb3.9/8, mb1 4.0/14,mb1mx3.7/54,mbtmp4.0/14,ML4.15,Error ellipse: s-maj=53.6km s-min=20.0km az=141.0

ISCJB 24 15:49:50.0-0.3,36:26N-103:71:59E,0:04,h114km, mb4.6/18,Error ellipse: s-maj=4.9km s-min=4.2km az=11.5

NEIC 24 15:49:50.7-0.9,36:36N-71:36E,h78km,8km,mb4.8/9, Error ellipse: s-maj=10.4km s-min=6.9km az=135.0

NNC 24 15:49:53.3-2.3,36:32N-70:73E,h0km,mb4.4,mpv4.0, Error ellipse: s-maj=31.4km s-min=19.7km az=147.1

ISC 24 15:49:52.5-0.5,36:34N-105:71:45E,0:06,h114km,n78, c243:85,mb4.8/18,5C-6D,Afghanistan-Tajikistan border region

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KBL Kabul, SFK Sufi-Kurgan, AML Almayashu, etc.

IDC 24 15:50:55.7-9.0,36:39N-70:40E,h213km,58km,mb3.5/3, mb1 3.4/6,mb1mx2.9/49,mbtmp4.0/6,Error ellipse: s-maj=95.4km s-min=49.5km az=167.0,Hindu Kush region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KKAR Karatay Array, AAK Ala-Archa, AAK Ala-Archa, etc.

AZER 24 15:55:01.5-0.7,38:15N-43:47E,h11km,13km,Error ellipse: s-maj=13.5km s-min=2.9km az=56.0

ISK 24 15:55:02.2,38:77N-43:53E,h5km,ML3.5, ATA 24 15:55:03.1-1.2,38:79N-43:42E,h3km,14km,MD4.1, ML4.0,MW3.6

DDA 24 15:55:03.6,38:77N-43:46E,h5km,ML3.3, CSEM 24 15:55:04.4-0.2,38:78N-43:49E,h5km,ML3.5,Error ellipse: s-maj=50km s-min=39km az=140.0

ISC 24 15:55:04.2-1.0,38:76N-40:01:43:51E,0:02,h4km,8km, n118,c18989/178,13C-16D,Turkey

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like VANS Van, VANS Van, VANS Van, etc.

NIED 24 15:55:00,38:70N,142:50E,h26km,Mw3.6 Best double couple: M2.65000x1014 NP1.0x180.00000,830.00000, 7.139.00000, NP2.0x306.00000,871.00000,1.666.00000

JMA 24 15:55:24.2-0.2,38:72N,142:52E,h26km,3km,M3.5, ISCJB 24 15:55:25.4-1.2,38:72N,0:05:142:50E,0:10, h40km,12km,mb3.6/7,Error ellipse: s-maj=13.2km s-min=7.9km az=25.1

IDC 24 15:55:28.3-3.0,38:67N,142:52E,h53km,28km,mb3.3/7, mb1 3.5/10,mb1mx3.3/39,mbtmp3.6/10,ML3.2/3,Error ellipse: s-maj=31.4km s-min=18.2km az=117.0

ISC 24 15:55:27.2-1.2,38:73N,0:07:142:45E,0:11,h39km,14km, n26,c1949/26,mb3.7/7,Near east coast of eastern Honshu

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like VRTB Varto-Mus, VRTB Varto-Mus, VRTB Varto-Mus, etc.

IDC 24 15:50:55.7-9.0,36:39N-70:40E,h213km,58km,mb3.5/3, mb1 3.4/6,mb1mx2.9/49,mbtmp4.0/6,Error ellipse: s-maj=95.4km s-min=49.5km az=167.0,Hindu Kush region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KKAR Karatay Array, AAK Ala-Archa, AAK Ala-Archa, etc.

AZER 24 15:55:01.5-0.7,38:15N-43:47E,h11km,13km,Error ellipse: s-maj=13.5km s-min=2.9km az=56.0

ISK 24 15:55:02.2,38:77N-43:53E,h5km,ML3.5, ATA 24 15:55:03.1-1.2,38:79N-43:42E,h3km,14km,MD4.1, ML4.0,MW3.6

DDA 24 15:55:03.6,38:77N-43:46E,h5km,ML3.3, CSEM 24 15:55:04.4-0.2,38:78N-43:49E,h5km,ML3.5,Error ellipse: s-maj=50km s-min=39km az=140.0

ISC 24 15:55:04.2-1.0,38:76N-40:01:43:51E,0:02,h4km,8km, n118,c18989/178,13C-16D,Turkey

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like VANS Van, VANS Van, VANS Van, etc.

NIED 24 15:55:00,38:70N,142:50E,h26km,Mw3.6 Best double couple: M2.65000x1014 NP1.0x180.00000,830.00000, 7.139.00000, NP2.0x306.00000,871.00000,1.666.00000

JMA 24 15:55:24.2-0.2,38:72N,142:52E,h26km,3km,M3.5, ISCJB 24 15:55:25.4-1.2,38:72N,0:05:142:50E,0:10, h40km,12km,mb3.6/7,Error ellipse: s-maj=13.2km s-min=7.9km az=25.1

IDC 24 15:55:28.3-3.0,38:67N,142:52E,h53km,28km,mb3.3/7, mb1 3.5/10,mb1mx3.3/39,mbtmp3.6/10,ML3.2/3,Error ellipse: s-maj=31.4km s-min=18.2km az=117.0

ISC 24 15:55:27.2-1.2,38:73N,0:07:142:45E,0:11,h39km,14km, n26,c1949/26,mb3.7/7,Near east coast of eastern Honshu

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like VRTB Varto-Mus, VRTB Varto-Mus, VRTB Varto-Mus, etc.

24d 16h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H112 WAKE ISLAND Hy 28.38 125 T, H111 WAKE ISLAND Hy 28.39 125 T, H113 WAKE ISLAND Hy 28.40 125 T, etc.

ISCJB 24 16:10:01.4.0.4, 13.56N.0.05:120.77E.0.06, h132km,4km,mb3.6/6, Error ellipse: s-maj=9.1km s-min=7.7km az=173.0

ISC 24 16:10:01.3.0.8, 13.78N.121.17E, h136km,5km,mb3.3/6, mb1 3.5/6, mb1mx3.1/42, mbtmp3.7/6, Error ellipse: s-maj=47.1km s-min=34.6km az=61.0

MAN 24 16:10:03.0.9, 13.62N.120.68E, h99km, mb4.6, ML3.4, MS3.4, ISC 24 16:10:02.3.0.9, 13.62N.120.74E.0.06, h121km,7km, n27, r140/31, mb3.7/6, 2C-1D, Mindoro

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LUBP Lubang, LUSP Tagaytay City, TGY Tagaytay City, etc.

MAN 24 16:13:53.7, 6.16N.126.28E, h30km, mb4.6, ML3.5, MS3.5, 1C-2D, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BIPH Bislig, BIPH Mati, DMPH Davao City-Mi, etc.

ISC 24 16:17:03.4.2.2, 2.08S.152.27E, h0km, mb3.6/2, mb1 3.9/2, mb1mx3.4/36, mbtmp3.6/2, Error ellipse: s-maj=164.8km s-min=32.9km az=126.0, New Ireland region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ILAR Eielson Array, TORD Torodi Arr, etc.

SJA 24 16:20:51.9.1.4, 33.62S.72.76W, h8km,264km, ML3.8, MW3.8

ISCJB 24 16:21:05.4.0.5, 35.19S.0.03:71.97W.0.07, h52km,5km, mb3.5/2, Error ellipse: s-maj=3.4km s-min=4.8km az=20.9

GUC 24 16:21:06.1.0.1, 35.20S.71.91W, h43km,2km, ML3.7, IDC 24 16:21:09.2.4.2, 35.19S.71.72W, h78km,48km, mb3.2/2, mb1 3.4/4, mb1mx3.4/25, mbtmp3.5/4, ML3.7/2, Error ellipse: s-maj=64.8km s-min=38.2km az=77.0

ISC 24 16:21:06.0.1.0, 35.20S.0.04:71.98W.0.06, h43km,8km, n31, r144/37, 4C-9D, Central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like G005 Hualae0, NICH Los Niches, LNCH Linares, etc.

2011 NOV

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FCH Farellones, FCH El Roble, ROC1 El Roble, etc.

ISCJB 24 16:33:23.6.0.8, 33.76N.0.03:35.71E.0.07, h17km,10km, Error ellipse: s-maj=9.6km s-min=4.9km az=11.0

CSEM 24 16:33:24.5.3, 33.79N.35.77E, h4km, ML3.2, NSC 24 16:33:24.0.1.6, 33.72N.37.72E, h19km,52km, ML2.2, GRA 24 16:33:24.0.2, 33.79N.35.77E, h5km,7km, MD3.2, ISC 24 16:33:22.8.1.2, 33.78N.0.02:35.78E.0.03, h18km,3km, n18, r054/30, Jordan-Syria region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BHL Bhanes, DOR Deir Qamar, DORL Deir Qamar, etc.

SJA 24 16:37:54.5.1.2, 32.59S.71.96W, h12km,12km, ML3.0, MW3.5, GUC 24 16:37:59.4.0.6, 32.48S.71.37W, h15km,43km, ML2.6, ISC 24 16:37:56.9.3.0, 32.15S.0.08:71.9W.0.1, h13.0, n11, r127/18, 2C-2D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ROC1 El Roble, ROC1 El Roble, ROC1 El Roble, etc.

ISCJB 24 16:46:25.3.1.3, 38.74N.0.04:43.10E.0.10, h7km,10km, Error ellipse: s-maj=12.7km s-min=6.3km az=175.8

CSEM 24 16:46:25.3.0.4, 38.72N.43.09E, h2km, ML2.4, Error ellipse: s-maj=8.8km s-min=5.3km az=88.0

ISC 24 16:46:25.4, 38.72N.43.20E, h0km, MD2.7, DDA 24 16:46:28.7, 39.66N.43.46E, h7km, MD2.4, ISC 24 16:46:26.2, 38.72N.0.03:43.20E.0.07, h15km,8km, n15, r088/26, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VANB Van, VANB Van, VANB Van, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CLDR Caldiran, CLDR Hanur-Agry, CLDR Hanur-Agry, etc.

IDC 24 16:46:32.4.4.4, 18.19S.13.56W, h0km, mb3.9/6, mb1 4.1/6, mb1mx3.9/26, mbtmp3.9/6, MS3.8/15, Ms1 3.9/15, ms1mx3.6/26, Error ellipse: s-maj=182.4km s-min=24.0km az=140.0

ISCJB 24 16:46:33.3.0.6, 18.0S.0.1:13.70W.0.09, h17km, mb4.6/21, MS3.8/15, Error ellipse: s-maj=20.2km s-min=9.9km az=154.0

NEIC 24 16:46:33.3.0.6, 18.20S.13.65W, h10km, mb4.9/15, Error ellipse: s-maj=20.7km s-min=11.1km az=162.0

ISC 24 16:46:34.9.0.7, 18.1S.0.2:13.6W.0.11, h17km, n40, r1945/28, mb4.7/21, MS3.8/15, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H10S2 ASCENSION HYDR, H10S1 ASCENSION HYDR, H10S1 ASCENSION HYDR, etc.











s-min=1.8km az=113.0  
 ISCJB 24 19:35:26.5, 0.4, 34.89N, 0.03, 132.84E, 0.03, h19km, 3km,  
 mb4.3/25, MS3.5/11, Error ellipse: s-maj=4.4km  
 s-min=3.6km az=14.7  
 JMA 24 19:35:26.9, 34.87N, 132.89E, h12km, M4.7 Broadband  
 fault plane solution: P waves.  $NP1_{\phi} \approx 25.00000^{\circ}$ ,  
 $\delta 78.00000^{\circ}$ ,  $\lambda 158.00000^{\circ}$ .  $NP2_{\phi} \approx 120.00000^{\circ}$ ,  $\delta 68.00000^{\circ}$ ,  
 $\lambda 13.00000^{\circ}$ . Principal axes: T  $P1g24.0000^{\circ}$ ,  
 Azm341.0000; N  $P1g65.0000^{\circ}$ , Azm179.0000; P  
 $P1g7.0000^{\circ}$ , Azm74.0000;  
 JMA Felt IV J1  
 NEIC 24 19:35:30.9, 1.6, 34.95N, 132.75E, h34km, 12km, mb4.5/15  
 Error ellipse: s-maj=6.7km s-min=5.2km az=199.0  
 NEIC Recorded [4 JMA] in Hiroshima and Shimane.  
 ISC 24 19:35:26.9, 1.0, 34.87N, 0.03, 132.86E, 0.02, h9km, 6km,  
 n64, c1534/69, mb4.3/25, MS3.6/11, 3C-4D, Western

Code	Station Name	$\Delta^{\circ}$	AZ $^{\circ}$	Phase ID	Time	Res
JHS	Saijyo	0.24	59	Op	ISC	h m s ISC
JHS				S	Pg	19 35 31.7 -0.2
JHS				S	Sg	19 35 35.0 -0.3
JJG	Jouge	0.33	133	Op	Pg	19 35 33.3 -0.2
JJG				S	Pg	19 35 37.7 -0.2
JG2T	ShimaneMisato	0.35	304	Op	Pg	19 35 34.4 +0.6
JG2T				S	Pg	19 35 39.4 +0.9
JHT	Yohiohira	0.42	140	Op	Pg	19 35 35.5 +0.4
JHT				S	Pg	19 35 41.6 +1.0
JNM	Ikuma	0.64	22	Op	Pg	19 35 39.3 0.0
JNM				S	Pg	19 35 48.0 +0.3
JNH	Kurahashi	0.78	201	Op	Pg	19 35 41.7 -0.2
JNH				S	Pg	19 35 52.3 +0.2
JJS	Sakaide	1.01	119	Op	Pg	19 35 44.7 -1.6
JJS				S	Pg	19 35 57.8 -1.7
JAD	Aida	1.08	86	Op	Pb	19 35 45.8 -1.8
JAD				S	Pb	19 35 59.8 -2.0
JNU	Nakatsue	2.40	222	Op	Pg	19 36 07.0 +1.7
JNU				S	Pg	19 36 17.4 +0.9
JNU	286nm, 0.3s, baz=47, slow=13, SNR=102			Lg	Lg	19 36 45.5
JNU	comp=Z, 15nm, 19.8s, baz=232, slow=34			LR	LR	19 36 45.5
INU	nyuama	3.44	81	Op	Pn	19 36 21.5 +0.9
INU				S	Pn	19 36 39.8 +2.4
MJB	Matsushiro	4.66	67	Op	Pn	19 36 39.6 +2.2
MJB				S	Pn	19 36 39.2 +1.8
MAJ	Matsushiro	4.66	67	Op	Pn	19 37 35.8 +4.2
MAJ				S	Pn	19 36 40.1 +2.7
MAT	Matsushiro Arr	4.66	67	Op	Pn	19 37 53.0
MAT				S	Pn	19 37 33.0 -1.4
MJAR	4.5nm, 0.3s, baz=230, slow=29, SNR=4.4			Lg	Lg	19 37 53.0
KSR5	Korea Array	4.75	304	Op	Pn	19 36 38.5 -0.2
KSR5				S	Pn	19 37 33.0 -0.9
KSR5	5.6nm, 0.3s, baz=123, slow=15, SNR=36			Sn	Sn	19 37 33.0 -0.9
KSR5	14nm, 0.3s, baz=122, slow=24, SNR=9.1			LR	LR	19 38 51.3
KSR5	comp=Z, 259nm, 19.4s, baz=118, slow=44			LR	LR	19 38 51.3
KS15	Wonju Array Si	4.78	304	Op	Pn	19 36 38.5 -0.4
KS15				S	Pn	19 37 33.0 -1.4
KSAR	Wonju Array Be	4.78	304	Op	Pn	19 36 38.5 -0.4
KSAR				S	Pn	19 37 33.0 -1.4
KS01	Wonju Array Si	4.78	304	Op	Pn	19 36 38.5 -0.4
KS01				S	Pn	19 36 38.1 -1.0
INCN	Inchon	5.67	299	Op	Pn	19 37 42.3 +0.7
USRK	Ussuriysk Ar.	9.34	356	Op	Pn	19 41 05.3
USRK				S	Pn	19 41 05.3
USRK	1.4nm, 0.3s, baz=177, slow=14, SNR=33			LR	LR	19 41 05.3
USRK	comp=Z, 153nm, 20.9s, baz=176, slow=37			LR	LR	19 41 05.3
KLR	Kul'dur	14.37	357	Op	Pn	19 38 52.9 +2.5
KLR				S	Pn	19 38 52.9 +2.5
KLR	0.1nm, 0.3s, baz=182, slow=12, SNR=8.4			LR	LR	19 44 02.8
KLR	comp=Z, 13nm, 19.2s, baz=140, slow=36			LR	LR	19 44 02.8
HIA	Hailar	17.33	330	Op	Pn	19 39 28.3 -0.6
HIA				S	Pn	19 40 03.3 -0.7
ENH	Enshi	20.21	263	Op	Pn	19 40 03.3 -0.7
ENH				S	Pn	19 40 03.3 -0.7
ULN	Ulanbaatar	23.19	312	Op	Pn	19 40 35.1 +1.1
ULN				S	Pn	19 40 35.1 +1.1
SONA0	Songino Array	23.58	311	Op	P	19 40 37.5 -0.4
SONA1	Songino Array	23.58	311	Op	P	19 40 37.6 -0.3
SONM	Songino Array	23.58	311	Op	P	19 40 37.5 -0.4
SONM				S	P	19 40 37.5 -0.4
SONM	5.6nm, 0.3s, baz=116, slow=9, SNR=16			LR	LR	19 50 21.6
GUMO	Guam	23.81	150	Op	P	19 48 12.7
GUMO				S	P	19 48 12.7
GUMO	comp=Z, 44nm, 21.1s, baz=13, slow=32			LR	LR	19 51 30.4
PETK	Petrolyovsk-25	25.32	36	Op	P	19 51 30.4
PETK				S	P	19 51 30.4
PETK	comp=Z, 67nm, 18.3s, baz=224, slow=38			LR	LR	19 52 13.7
TLY	Talaya	26.85	318	Op	P	19 52 13.7
TLY				S	P	19 52 13.7
TLY	comp=Z, 86nm, 18.8s, baz=142, slow=38			LR	LR	19 52 13.7
MA2	Magadai	27.36	20	Op	P	19 52 00.9
MA2				S	P	19 52 00.9
MA2	comp=Z, 57nm, 18.6s, baz=199, slow=36			LR	LR	19 52 00.9
TIXI	Tiksi	36.90	358	Op	P	19 42 34.1 -1.3
TIXI				S	P	19 42 34.1 -1.3
TIXI	5.5nm, 1.0s			P	P	19 42 34.1 -1.3
FAKI	Fak Fak	37.59	181	Op	P	19 42 45.1 +3.2
FAKI				S	P	19 42 45.1 +3.2
FAKI	3.9nm, 0.7s			P	P	19 42 45.1 +3.2
ZALV	Zalesovo Beam	38.37	315	Op	P	19 42 47.2 -0.8
ZALV				S	P	19 42 47.2 -0.8
ZALV	2.0nm, 0.7s, baz=96, slow=6.1, SNR=8.0			LR	LR	19 59 04.8
ZALV	comp=Z, 123nm, 18.2s, baz=70, slow=37			LR	LR	19 59 04.8
ZAA1	Zalesovo Array	38.37	315	Op	P	19 42 47.2 -0.8
ZAA1				S	P	19 42 47.2 -0.8
MK31	Makanchi Array	39.44	303	Op	P	19 42 56.5 -0.6
MK32	Makanchi Array	39.44	303	Op	P	19 42 56.5 -0.6
MK33	Makanchi Array	39.44	303	Op	P	19 42 56.2 -1.0
MKAR	Makanchi Array	39.44	303	Op	P	19 42 56.2 -1.0
MKAR				S	P	19 42 56.2 -1.0
MKAR	0.8nm, 0.6s, baz=83, slow=12, SNR=11			LR	LR	20 00 14.6
MKAR	comp=Z, 101nm, 19.3s, baz=108, slow=38			LR	LR	20 00 14.6
MKAR	Makanchi Array	39.44	303	Op	P	19 42 56.5 -0.6
MAK2	Makanchi Array	39.65	303	Op	P	19 42 58.5 -0.4
MAK2				S	P	19 42 58.5 -0.4
MAK2	7.8nm, 0.6s			P	P	19 42 58.5 -0.4
KURK	Kurchatov	41.86	309	Op	P	19 43 17.6 +0.5
KURK				S	P	19 43 17.6 +0.5
KURK	8.0nm, 1.3s			P	P	19 43 17.6 +0.5
AAK	Ala-Archa	45.39	298	Op	P	19 43 45.5 -0.3
AAK				S	P	19 43 45.5 -0.3
AAK	3.3nm, 0.8s			P	P	19 43 45.5 -0.3
BRVK	Borovoye	46.97	313	Op	P	19 43 57.2 -0.7
BRVK				S	P	19 43 57.2 -0.7
BRVK	5.5nm, 1.3s			P	P	19 43 57.2 -0.7
KKAR	Karatay Array	48.17	299	Op	P	19 44 07.2 -0.2
KKAR				S	P	19 44 07.2 -0.2
KKAR	3.0nm, 0.6s			P	P	19 44 07.2 -0.2
ARU	Arti	53.36	318	Op	P	19 44 44.9 -1.4
ARU				S	P	19 44 44.9 -1.4
ARU	5.5nm, 0.7s			P	P	19 44 44.9 -1.4
ABKAR	Abkulaik array	53.97	309	Op	P	19 44 49.7 -1.2
ABKAR				S	P	19 44 49.7 -1.2
ABKAR	1.4nm, 0.6s			P	P	19 44 49.7 -1.2
MDM	Murphy Dome	54.53	318	Op	P	19 44 55.0 +1.2
MDM				S	P	19 44 55.0 +1.2
MDM	4.4nm, 0.8s			P	P	19 44 55.0 +1.2
WR1	Warramunga Arr	54.53	178	Op	P	19 44 54.5 -0.6
WR1				S	P	19 44 54.5 -0.6
WR1	6.1nm, 0.7s			P	P	19 44 54.5 -0.6
WRA	Warramunga Arr	54.53	178	Op	P	19 44 54.5 -0.6
WRA				S	P	19 44 54.5 -0.6
WRA	3.8nm, 0.7s, baz=355, slow=8.0, SNR=34			LR	LR	19 44 54.5 -0.6
ILAR	Eielson Array	54.98	31	Op	P	19 44 59.0 +1.0
ILAR				S	P	19 44 59.0 +1.0
ILAR	0.5nm, 0.6s, baz=288, slow=7.1, SNR=8.7			LR	LR	19 44 59.0 +1.0
ILB	Eielson Array B	54.98	31	Op	P	19 44 59.0 +1.0
ILB				S	P	19 44 59.0 +1.0
ILB	1.9nm, 0.9s, baz=264, slow=6.5, SNR=2.8			LR	LR	19 44 59.0 +1.0
AS01	Alice Springs	58.22	179	Op	P	19 45 23.8 +2.3
AS01				S	P	19 45 23.8 +2.3
AS01	3.2nm, 0.5s, baz=79, slow=8.8, SNR=4.0			LR	LR	19 45 23.8 +2.3
AS31	Alice Springs	58.22	179	Op	P	19 45 24.1 +2.6
AS31				S	P	19 45 24.1 +2.6
AS31	1.0nm, 0.6s			P	P	19 45 24.1 +2.6
ASAR	Alice Springs	58.22	179	Op	P	19 45 22.4 +0.9
ASAR				S	P	19 45 22.4 +0.9
ASAR	1.8nm, 0.6s, baz=11, slow=11, SNR=24			LR	LR	19 45 22.4 +0.9
INK	Inuk	59.40	26	Op	P	19 45 29.8 +0.7
INK				S	P	19 45 29.8 +0.7
INK	1.9nm, 0.9s, baz=264, slow=6.5, SNR=2.8			LR	LR	19 45 29.8 +0.7
ARAO	ARCESS Array B	63.48	338	Op	P	19 45 56.2 -0.6
ARAO				S	P	19 45 56.2 -0.6
ARAO	3.2nm, 0.3s, baz=34, slow=8.8, SNR=4.0			LR	LR	19 45 56.2 -0.6
ARCES	ARCESS Array	63.48	338	Op	P	19 46 20.1 +0.8
ARCES				S	P	19 46 20.1 +0.8
ARCES	comp=Z, 91nm, 18.4s, baz=244, slow=39			LR	LR	19 46 20.1 +0.8
STKA	Stephens Creek	66.90	172	Op	P	19 46 20.1 +0.8
STKA				S	P	19 46 20.1 +0.8
STKA	2.8nm, 0.5s, baz=340, slow=7.5, SNR=11			LR	LR	20 13 44.7
STKA	comp=Z, 46nm, 21.9s, baz=27, slow=34			LR	LR	20 13 44.7
FLAO	FINESSE Array S	67.35	330	Op	P	19 46 20.8 -1.1
FLAO				S	P	19 46 20.8 -1.1
FLAO	1.3nm, 0.5s, baz=79, slow=7.7, SNR=7.7			LR	LR	19 46 20.8 -1.1
AKASG	Malin Array B	71.58	319	Op	P	19 46 46.4 -1.8
AKASG				S	P	

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like ZCP Butuan, MSLP Maasin, KMSI Cibinong, etc.

ISC 24 20:31:04.9-0.6, 17.44Sx14.21W, h0km, mb4.2/16, mb1.4, 3/16, mb1mx4.1/45, mbtmp4.2/16, MS3.7/14, Ms1.3/9.14, ms1mx3.6/29, Error ellipse: s-maj=18.1km s-min=16.3km az=134.0

ISCJBJ 24 20:31:05.1-0.3, 17.40S;07.14;19W, h0.07, h14km, mb4.5/28, MS3.8/16, Error ellipse: s-maj=10.2km s-min=8.8km az=137.4

NEIC 24 20:31:06.2-0.4, 17.42Sx14.21W, h10km, mb4.9/20, Error ellipse: s-maj=10.6km s-min=8.4km az=156.0

BUI 24 20:31:06.4, 17.40S;14.20W, h10km, mb5.9/4, Ms5.3/4, Ms7.5/0.4

ISC 24 20:31:06.7-0.5, 17.44S;0.10x14.18W, h0.09, h14km, n65, e173/59, mb4.5/28, MS3.8/16, 1D, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like H10S2 ASCENSION HYDR 8.44 357, H10S3 ASCENSION HYDR 8.45 357, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like TROA Torquiste, PTGA Pitinga, SAML Samuel, etc.

HHC Hu-ho-hao-te 128.11 51 ePKP PKPdf 20 50 14.9 +2.1
NJ2 Nanjing 135.28 62 ePKP PKPdf 20 50 26.0 -0.5
MJAR Matsushiro Arr 149.07 47 PKPbc PKPdf 20 50 54.5 -0.5

ISCJBJ 24 20:38:17.9-0.5, 33.52N;03.69E, h0.06, h10km, mb3.9/9, MS3.4/8, Error ellipse: s-maj=7.6km s-min=3.5km az=148.5

ISC 24 20:38:20.2-1.1, 33.75N;68.98E, h0km, mb3.8/6, mb1.3.9/10, mb1mx3.6/49, mbtmp3.8/10, ML3.7/4, MS3.4/11, Ms1.3.4/11, ms1mx3.2/34, Error ellipse: s-maj=27.7km s-min=20.6km az=106.0

NEIC 24 20:38:22.0-0.8, 33.76N;69.15E, h10km, mb4.3/8, Error ellipse: s-maj=13.7km s-min=11.7km az=72.0

NIC 24 20:38:23.1-4.2, 33.87N;68.85E, h0km, mb4.6, mpv4.7, Error ellipse: s-maj=48.0km s-min=26.6km az=137.0

ISC 24 20:38:20.8-0.8, 33.54N;07.66E, h0.08, h10km, n71, e188/72, mb4.0/9, MS3.4/8, 8C-3D, Southeastern Afghanistan

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like KBL Kabul, THN Thein Dam, PONG Pong, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like UCH Uchtor, EK2S Erkin-Say, AAK AArchha, etc.

ISCJBJ 24 20:47:54.0-3.1, 56.03S;09.274W, h0.2, h119km, 30km, mb4.7/17, Error ellipse: s-maj=15.9km s-min=13.5km az=145.8

NEIC 24 20:47:54.3-0.3, 56.05S;27.51W, mb4.7/10, Error ellipse: s-maj=11.0km s-min=10.2km az=73.0

ISC 24 20:47:55.4-0.7, 56.00S;27.44W, h117km, 5km, mb4.2/8, mb1.3.3/1, mb1mx2.0/10, mbtmp4.6/10, MS3.4/1, Ms1.3.3/1, ms1mx2.8/19, Error ellipse: s-maj=17.3km s-min=13.9km az=68.0

ISC 24 20:47:54.9-0.7, 56.05S;09.274W, h0.1, h116km, 5km, h116km, pP, n61, 097972, mb4.7/16, 1D, South Sandwich Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, etc.



24d 21h

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like JTS JuntasAbangare, ARE1 Arenal 1, CG2A Cerro Gallo 2, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like Z39A Irene McRaven, Y44A Strider, Charl, Y43A Makya and Ka, etc.

1378

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like S41A Jillico Farms, S42A Caledonia, S37A Makyla, etc.

N38A	Joese South For	27.76	351	P	P	21 18 59.8	+0.2
O34A	Beatrice	27.85	346	P	P	21 19 01.0	+0.6
O33A	Hebro	27.98	344	P	P	21 19 02.5	+1.0
TUC	Tucson	28.20	316	P	P	21 19 05.8	+2.1
TUC	Tucson	28.20	316	eP	Pmax	21 19 06.3	+2.6
TUC	Tucson	28.20	316	eP	P	21 19 06.3	+2.6
N35A	Tabor	28.26	348	P	P	21 19 04.7	+0.7
N54A	Moraine State	28.20	13	P	P	21 19 06.3	+1.0
N34A	Lincoln	28.42	346	P	P	21 19 06.5	+0.9
MVL	Millersville	28.46	19	eP	P	21 19 05.6	-0.2
N33A	J Bar K, Exete	28.56	345	P	P	21 19 08.2	+1.4
SSPA	Standing Stone	28.60	16	eP	P	21 19 05.9	-1.1
L42A	Oliver, Polo	28.62	357	P	P	21 19 07.0	-0.2
KSCO	Kaye Shedlock	28.71	336	P	P	21 19 09.1	+0.9
KSCO	Kaye Shedlock	28.71	336	eP	P	21 19 09.4	+1.1
M35A	Neola	28.85	348	P	P	21 19 09.9	+0.6
SDCO	Great Sand Dun	28.93	330	P	P	21 19 11.5	+1.0
M54A	Oil Creek Stat	28.99	13	P	P	21 19 11.6	+1.0
L38A	Oak Wood Farm,	29.05	352	P	P	21 19 11.1	+0.1
M34A	Aspy Farms, Fr	29.08	347	P	P	21 19 12.0	+0.7
M33A	Taylor Creek F	29.29	346	P	P	21 19 14.1	+0.9
W18A	Petrified Fore	29.31	322	P	P	21 19 14.8	+1.0
W18A	Petrified Fore	29.31	322	eP	P	21 19 15.6	+1.9
L35A	Bielow Farm, R	29.44	348	P	P	21 19 14.7	+0.2
N59A	State Game Lan	29.48	19	P	P	21 19 16.4	+1.5
S22A	4UR Ranch, Cre	29.59	329	P	P	21 19 17.7	+1.4
S22A	4UR Ranch, Cre	29.59	329	eP	P	21 19 17.8	+1.5
Q24A	Divide	29.75	332	P	P	21 19 18.9	+1.2
K37A	Belmond	29.75	352	P	P	21 19 17.3	-0.1
L33A	Hoskins	29.87	346	P	P	21 19 19.1	+0.7
MVCO	Mesa Verde	30.07	326	P	P	21 19 21.3	+0.9
MVCO	Mesa Verde	30.07	326	eP	P	21 19 21.8	+1.3
K34A	Le Mars	30.10	348	P	P	21 19 20.0	-0.1
J38A	Wedel Dairy, R	30.15	353	P	P	21 19 20.3	-0.5
OGNE	Ogallala	30.16	338	P	P	21 19 22.4	+1.3
OGNE	Ogallala	30.16	338	eP	P	21 19 20.7	-0.4
K33A	Hardington	30.22	347	P	P	21 19 22.2	+0.8
J37A	Redenius Farm,	30.28	352	P	P	21 19 22.1	+0.2
J36A	Seneca 1, Swea	30.41	351	P	P	21 19 23.1	0.0
K32A	Verdigre	30.50	345	P	P	21 19 24.3	+0.4
MMNV	Mt. Morris Dam	30.56	15	eP	P	21 19 26.1	+1.7
WUAZ	Wupatki	30.58	320	P	P	21 19 26.7	+1.8
WUAZ	Wupatki	30.58	320	eP	P	21 19 27.3	+2.4
BINY	Binghamton	30.58	18	eP	P	21 19 25.8	+1.1
ISCO	Idaho Springs	30.64	333	P	P	21 19 26.8	+1.3
K31A	O'Neill	30.67	344	P	P	21 19 26.8	+1.3
141A	Arkdale	30.68	357	P	P	21 19 25.0	-0.5
SMCO	Snowmass	30.77	330	eP	P	21 19 28.1	+1.2
PV01	Paradox Valley	30.78	327	eP	P	21 19 28.4	+1.6
PV05	Paradox Valley	31.02	326	eP	P	21 19 30.1	+1.2
PTGA	Pitinga	31.03	115	eP	P	21 19 32.1	+3.1
J32A	Parkston	31.14	346	P	P	21 19 29.5	-0.1
ECSD	EROS Data Cent	31.21	348	P	P	21 19 30.2	-0.1
ECSD	EROS Data Cent	31.21	348	eP	P	21 19 30.2	-0.1
H40A	Chili	31.27	357	P	P	21 19 30.5	-0.1
PV09	Paradox Valley	31.35	327	eP	P	21 19 33.3	+1.5
I33A	Coleman	31.55	348	P	P	21 19 33.0	-0.2
H36A	Jessenland, He	31.57	352	P	P	21 19 33.6	+0.2
PDMC	Parker Dam, Lak	31.64	316	P	P	21 19 35.7	+1.6
U15A	North Rim	31.73	321	eP	P	21 19 37.8	+2.6
TRY	Troy	31.80	20	eP	P	21 19 37.3	+2.0
PHWY	Pilot Hill	31.80	334	eP	P	21 19 36.7	+0.9
H35A	Sunnyside Ranc	31.82	351	P	P	21 19 35.2	-0.3
W13A	Hualapai Mount	31.93	317	eP	P	21 19 38.7	+1.8
H34A	Spellman Lake,	31.95	349	P	P	21 19 36.7	0.0
G39A	Holcombe	31.98	356	P	P	21 19 36.4	-0.5
SPMN	Marine on St.	32.07	353	P	P	21 19 37.3	-0.4
SPMN	Marine on St.	32.07	353	eP	P	21 19 37.3	-0.4
H32A	Carlson Farm,	32.12	347	P	P	21 19 38.2	-0.1
O20A	White River Ci	32.13	330	P	P	21 19 40.4	+1.8
O20A	White River Ci	32.13	330	eP	P	21 19 40.3	+1.8
H33A	Prehn Over Nor	32.15	348	P	P	21 19 38.4	0.0
G36A	St. Michael	32.19	352	P	P	21 19 38.5	-0.3
SADO	Sadova	32.23	12	P	P	21 19 39.8	+0.7
SADO	Sadova	32.23	12	eP	P	21 19 35.5	-3.5
ACCN	Adirondack Com	32.38	20	P	P	21 19 41.9	+1.5
PKCU	Pink Cliffs	32.41	322	eP	P	21 19 44.1	+2.9
SUSD	Miller	32.42	345	P	P	21 19 41.0	+0.1
KNB	Kanab	32.44	321	eP	Pmax	21 19 43.9	+2.6
KNB	Kanab	32.44	321	eP	P	21 19 43.9	+2.6
G34A	Benson	32.49	350	P	P	21 19 41.1	-0.3
F40A	Park Falls	32.55	357	P	P	21 19 41.5	-0.4
F44A	Big Bay de Noc	32.57	2	P	P	21 19 41.7	-0.3
G33A	Ortonville	32.58	349	P	P	21 19 42.0	-0.2
F39A	Loretta	32.59	356	P	P	21 19 41.7	-0.6
LCMT	Little Creek M	32.70	321	eP	P	21 19 45.5	+2.0

F38A	Pierce - Schro	32.70	355	P	P	21 19 42.6	-0.6
MTPU	Mont Pierson	32.73	323	eP	P	21 19 45.9	+1.9
Q16A	Castle Valley	32.76	325	eP	P	21 19 46.3	+2.2
P18A	Preston Nutter	32.77	327	eP	P	21 19 45.6	+1.4
F36A	Milaca	32.78	353	P	P	21 19 43.3	-0.6
G32A	Webster	32.85	347	P	P	21 19 44.5	-0.1
F35A	Swaville	32.92	351	P	P	21 19 44.8	-0.4
P17A	Butcher Ranch,	32.92	326	eP	P	21 19 46.8	+1.3
PLVO	Plevna	32.94	14	eP	P	21 19 45.9	+0.6
GMRC	Granite Mounta	32.95	315	P	P	21 19 47.0	+1.3
SZCU	Shurtz Canyon	32.98	322	eP	P	21 19 48.1	+2.1
E42A	Champion	33.00	0	P	P	21 19 45.6	-0.3
E39A	Mellen	33.03	357	P	P	21 19 45.9	-0.2
MSU	Marysvale	33.05	324	eP	P	21 19 48.6	+1.9
MSU	Marysvale	33.05	324	eP	P	21 19 48.6	+1.9
TMUT	Trail Mountain	33.05	326	eP	P	21 19 48.3	+1.5
E40A	Waldfield	33.06	357	P	P	21 19 45.9	-0.5
CCUT	Cedar City	33.11	321	eP	P	21 19 48.4	+1.2
F33A	5 Mile Ranch,	33.18	349	P	P	21 19 47.0	-0.5
LONY	Lake Ozonia	33.21	18	eP	P	21 19 48.8	+1.1
E38A	The Farm, Brul	33.32	353	P	P	21 19 48.1	-0.6
E36A	McGregor	33.40	355	P	P	21 19 48.7	-0.6
HEC	Hector, Ludlow	33.44	315	P	P	21 19 51.5	+1.6
TUQ	Turquoise Moun	33.49	316	P	P	21 19 51.8	+1.4
F31A	Hecla	33.59	347	P	P	21 19 51.0	-0.1
SHPR	Sheep Range	33.60	318	eP	P	21 19 54.5	+3.0
RSSD	Black Hills	33.66	339	eP	Pmax	21 19 53.1	+1.2
RSSD	Black Hills	33.66	339	eP	Pmax	21 19 53.1	+1.2
RSSD	Black Hills	33.66	339	eP	P	21 19 53.1	+1.2
FRNY	Flat Rock	33.70	19	eP	P	21 19 53.0	+1.0
LBNH	Lisbon	33.72	21	eP	Pmax	21 19 53.7	+1.5
LBNH	Lisbon	33.72	21	eP	P	21 19 53.7	+1.5
MPU	Maple Canyon	33.79	326	eP	P	21 19 54.4	+1.3
D37A	Cotton	33.94	354	P	P	21 19 53.4	-0.7
NLU	North Lily Min	33.98	326	eP	P	21 19 56.4	+1.6
GSC	Goldstone, Bar	34.02	315	P	P	21 19 56.5	+1.5
GSC	Goldstone, Bar	34.02	315	eP	Pmax	21 19 57.1	+2.1
GSC	Goldstone, Bar	34.02	315	eP	P	21 19 57.1	+2.1
D36A	Goodland	34.04	354	P	P	21 19 54.1	-0.8
E32A	Braaten, Kindr	34.05	349	P	P	21 19 54.8	-0.2
SLU	San Clemente I	34.09	310	P	P	21 19 55.8	+0.2
JC2	Jordanelle	34.11	327	eP	P	21 19 57.2	+1.3
JLU	Nome	34.18	348	eP	PcP	21 22 32.6	-0.8
E31A	Nome	34.18	348	eP	P	21 19 55.6	-0.5
CTU	Camp Tracy	34.33	327	eP	P	21 19 59.1	+1.3
DUG	Dugway, Tooele	34.56	325	P	P	21 20 01.4	+1.6
DUG	Dugway, Tooele	34.56	325	eP	Pmax	21 20 01.3	+1.6
DUG	Dugway, Tooele	34.56	325	eP	P	21 20 01.3	+1.6
DUG	Dugway, Tooele	34.56	325	eP	P	21 20 01.3	+1.6
D32A	Dogwood Acres,	34.56	349	P	P	21 19 58.9	-0.5
TPNV	Topopah Spring	34.57	318	P	P	21 20 01.7	+1.8
TPNV	Topopah Spring	34.57	318	eP	Pmax	21 20 02.0	+2.2
TPNV	Topopah Spring	34.57	318	eP	P	21 20 02.0	+2.2
D31A	McClafflin, Tr	34.61	348	P	P	21 19 59.4	-0.5
C35A	Jirik Farms, M	34.65	353	P	P	21 19 59.4	-0.8
EYMN	Ely	34.65	356	P	P	21 19 59.3	-0.9
EYMN	Ely	34.65	356	eP	P	21 19 59.0	-1.2
TRM	Tremblant	34.69	16	eP	P	21 20 01.5	+0.9
FURC	Furnace Creek,	34.70	317	P	P	21 20 02.3	+1.5
PDAR	Pinedale Array	34.79	332	P	P	21 20 02.3	+0.5
PDAR	Pinedale Array	34.79	332	eP	LR	21 37 13.1	
PDAR	Pinedale Array	34.79	332	eP	P	21 20 01.7	-0.1
PWL	Waterville	34.83	23	eP	P	21 20 04.1	+2.3
MPMC	Manual Prospe	34.89	316	P	P	21 20 03.	

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like PAX, TULEG, HDA, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like DZM, ZALV, KURK, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like EATA, ELESKIRT, TASB, etc.





24d 23h

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SUSE, YEDI, YEDI, ESPY, etc.

CASC 24-22:23:09.4±1.6, 13.34N:87.93W, h10km, 4ML, 3.7C, 1C, Honduras

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CNCH, SMIG, VSM, etc.

ISK 24 22:30:02.6, 38.75N:43.26E, h5km, MD2.7

CSEM 24 22:30:03.4±0.3, 38.75N:43.24E, h2km, MD2.7, Error ellipse: s-maj=7.0km s-min=4.9km az=103.0

DDA 24 22:30:03.3, 38.74N:43.24E, h7km, MD2.7

ISC 24 22:30:02.2±1.0, 38.81N:0.03±43.29E:0.04, h14km, gkm, n24, c1502/39, Turkey

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ERCV, VANB, VANB, etc.

NNC 24 22:42:35.3±2.1, 41.61N:69.98E, h0km, mb3.3, mpv3.0, Error ellipse: s-maj=15.7km s-min=8.6km az=58.0

SOME 24 22:42:35.0, 41.52N:69.97E, h10km

KRNET 24 22:42:35.9±0.1, 41.59N:70.08E, mb2.9

ISC 24 22:42:34.9±1.4, 41.59N:0.04±70.02E:0.04, h1km, 11km, n25, c247/47, 24C-11Z, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CHM, BRLS, ARK, etc.

2011 NOV

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like UCH, AAK, AAK, AAK, etc.

WEL 24 22:51:11.0±0.4, 37.34S:176.16E, h196km, 4km, ML3.8/23, 3D, Error ellipse: s-maj=6.1km s-min=4.6km az=90.0, North Island

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like URZ, HAZ, HAZ, etc.

NEIC 24 23:14:12.7±0.0, 52.71N:168.14W, h26km, ML3.0(AEIC), After AEIC, Fox Islands

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NIKH, NIKH, OKSO, etc.

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Table with columns: AKUT, WESE, ISLZ, Akutan, West Dahl East, Isanotski Laza, 2.01, 2.76, 3.52, 44, 49, 51, P, P, P, Pn, Pn, Pn, 23 14 45.2+0.3, 23 14 57.6+2.3, 23 15 04.9+2.0

IDC 24 23:18:40.0±0.5, 2.37S:140.00E, h0km, mb4.7/17, mb1.4, 8/20, mb1mx4.7/39, mbtmp4.7/20, ML4.6/2, MS4.1/12, MS4.1/12, ms1mx3.9/25, Error ellipse: s-maj=21.1km s-min=11.7km az=80.0

GCMT 24 23:18:41.0±0.2, 2.27S:140.19E, h20km, 1km, MW5.0/76, Moment Tensor Solution, s22,c27, s76,c100; Duration: 0. Moment tensor: Scale 10^19Nm; Mr:0.34±.11; Mw:0.49±.08; Mww:0.15±.10; Mw:1.15±.21; Mw:2.23±.08; Mw:2.62±.35; Best double couple: Mo:3.55600±.1016 NP1:348.00000°, 87.00000°, 1.27.00000°. NP2: 82.00000°, 83.70000°, 1.5.00000°. Principal axes: T 3.0730, P1g37.0000°, Azm290.0000°; N 0.9660, P1g37.0000°, Azm166.0000°; P -4.0390, P1g32.0000°, Azm48.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

DJA 24 23:18:41.0±0.2, 2.37S:140.00E, h11km, 2km, MS.0/38, mb5.2/38, mb5.4/20, MLv5.6/Mw(MB)4.8/20, Mw6.5/2

NEIC 24 23:18:41.0±0.0, 2.29S:140.12E, h10km, mb5.1/40, After DJA.

NEIC Felt [III] at Genyem, Jayapura and Mantahi. ISCJB 24 23:18:42.3±0.2, 2.43S:0.02E, 140.06E:0.02, h25km, mb4.8/77, MS4.2/14, Error ellipse: s-maj=3.4km s-min=3.1km az=157.3

MOS 24 23:18:42.4±0.8, 2.39S:140.08E, h28km, mb5.0/28, Error ellipse: s-maj=1.29km s-min=0.65km az=108.4

BUI 24 23:18:45.4±2.46S:139.96E, h47km, mb4.8/49, mb5.2/33, MS4.8/14, MS7.4/519

ISC 24 23:18:43.7±0.3, 2.39S:0.04, 140.14E:0.04, h25km, n278, c1552/272, mb4.9/77, MS4.1/14, 1C-1D, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like GENI, JAY, JAY, SRPI, etc.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include RUSC La Rusia, CPUP Villa Florida, PAMC Pamplona, Colo.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include MAN 24:23:27:00, 9.99N x 125.36E, h79km, mb3.9, ML2.7, MS2.4, Mindanao.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include SCPH Surigao, MSPL Maasin, MSLP Borongan, BESP Borongan.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include THN Thein Dam, THN Sundarnagar, SFK Sufi-Kurgan, SFK Manas.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include MNAS Ala-Archa, AAK Ala-Archa, AAK Piuthan, TKM2 Tokmak 2.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include TKM2 Karatay Array, KK31 Karatay Array, PDKG Podgornoye, PYUN Piuthan.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include DANN Dangsang, GKN Gorkha, DMN Daman, KKN Kakani.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include JIRN Jiri, MKAR Makanchi Array, RAMN Ramite, TAPN Taleplung.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include ZALV Zalesovo Beam, TORO Torodi Ar. Bea, YKA Yellowknife Ar.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include ISCJB 24:23:42:23.0, 7.51S, 0.06E, h121.76E, 0.06, h550km, mb3.8/9.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include DJA W-42:23.0, 0.4, 8'S, 4.12'E, h555km, 6km, M4.3/15, mb4.7/11.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include IDC 24:23:42:25.1, 8.7, 4.2S, 121.88E, h549km, 24km, mb3.3/9, mb1.3/4/12.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include IDC 24:23:42:24.5, 0.6, 7.54S, 0.09E, h121.80E, 0.09, h550km, n47, c0594/49.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include EDFI Ende, Flores, BSSI Bau Bau, BSSI Bau Bau, WSI Waingapu.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include BASI Basing, Sae, BNSI Bone, SPSI Sidrap Palu.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include PLAI Plampang, SRBI Singaraja, APSI Ampapa, NLAJ Namlea.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include SANI Sanana, PCI Palu, JAGI Jajag, Banyuwana, BAKI Fak Fak.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include MRSI Marisa, MPSI Mapaga, LBMI Labuha, FITZ Fitzroy Crossi.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include FAKI Fak Fak, CGJJ Cibinong, WRA Warramunga Arr, ASAR Alice Springs.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include ASAR Alice Springs, PSI Prapa, STKA Stephens Creek, CMAR Chiang Mai Arr.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include MKAR Makanchi Array, ZALV Zalesovo Beam, TORO Torodi Ar. Bea, TXAR Lajitas Array.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include CPUP Villa Florida, ISN 25:00:04:47.1, 1.1, 35.36N, 46.93E, h0km, 15km, ML2.6, CSEM 25:00:04:52.6, 35.30N, 46.92E, h26km, ML2.6, Iran-Iraq border region.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include ILIN Lien, ILIN Lien, ILIN Lien, ILIN Lien, IVIS Veis.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include IVIS Veis, IGHG Ghalaghazi, IGHG Ghalaghazi, IGHG Ghalaghazi.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include CASC 25:00:23:25.1, 9, 13.34N, 87.94W, h0km, 4km, MD3.5, ML3.4, Honduras.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include CNCH Conchagua, LFRS Las Brisas, BOQS Boqueron, BOQS Boqueron.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include ESTN Estel, ESTN Estel, MOMM Momolombo, SBLI San Blas.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include COPAL Copaltepe, LFRS El Faro, LFRS Las Brisas, BOQS Boqueron.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include ESTN Estel, MOMM Momolombo, SBLI San Blas, COPAL Copaltepe.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include VMUR Van-Muradiye, VMUR Van-Muradiye, VMUR Van-Muradiye, ERCV ERCIS-VAN.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include ERCV ERCIS-VAN, VANC Van, VANC Van, VANC Van, VANC Van.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include VANC Van, VANC Van, CLDR Caldiran, CLDR Caldiran.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include CLDR Caldiran, CLDR Caldiran, CLDR Caldiran, CLDR Caldiran.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include CLDR Caldiran, TVAN Van, TVAN Van, TVAN Van, TVAN Van.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include TVAN Van, TVAN Van, DYDN Diyadin, DYDN Diyadin.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include DYDN Diyadin, ADCV BITLIS\_Adilcev, ADCV BITLIS\_Adilcev, ADCV BITLIS\_Adilcev.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include ADCV BITLIS\_Adilcev, AGRB Hanur-Agry, AGRB Hanur-Agry, AGRB Hanur-Agry.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include AGRB Hanur-Agry, VRTB Varto-Mus, VRTB Varto-Mus, VRTB Varto-Mus.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include VRTB Varto-Mus, CUKT Cukurca, CUKT Cukurca, SENK Senkaya-Erzuru.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include SENK Senkaya-Erzuru, PMG Port Moresby, HNR Honiara, WRAB Tennant Creek.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include WRAB Tennant Creek, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include NACB Ninganchiao, YHNB Yeheng, NWAO Narongin, RAO Raoul Island.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include KRSR Korea Array, SONM Songoing Array, SONM Songoing Array, SONM Songoing Array.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include TLY Talaya, CASY Casey, MKAR Makanchi Array, MKAR Makanchi Array.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include VNSA Vanda, ZALV Zalesovo Beam, MCK McKinley, COLA College.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include ILAR Eielson Array, TORO Torodi Ar. Bea, TORO Torodi Ar. Bea, WEL Wellington.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include WEL Wellington, QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Rows include QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range, QRZ Quartz Range.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Batken, Sufi-Kurgan, Arkit, etc.

ISK 25 01:46:32.9, 38.73N:43.54E, h5km, MD2.9
DDA 25 01:46:33.9, 38.69N:43.47E, h7km, M12.7
ISCJB 25 01:46:34.0, 38.72N:0.02:43.51E:0.04, h5km, 5km,
Error ellipse: s-maj=5.2km s-min=3.6km az=2.4

CSEM 25 01:46:34.0, 38.72N:43.56E, h5km, M12.7, Error
ellipse: s-maj=5.2km s-min=3.5km az=90.0

ISC 25 01:46:34.5, 38.71N:0.02:43.50E:0.03, h11km, 7km,
n37, r1528/51, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VAN, TVAN, VMUR, etc.

CSEM 25 01:47:55.5, 40.10N:38.30E, h5km, MD2.7
ISK 25 01:47:55.5, 40.10N:38.30E, h5km, MD2.7, Turkey

IDC 25 01:49:46.2, 1.1, 35.96S:73.40W, h0km, mb3.7/6,
mb1 3.9/8, mb1mx3.8/20, mbmp3.9/8, ML3.9, MS3.7/2,
Ms1 3.7/2, ms1mx3.3/6, Error ellipse: s-maj=35.9km
s-min=19.9km az=71.0

GUC 25 01:49:46.4, 0.6, 35.87S:73.69W, h17km, 10km, ML4.1
ISC 25 01:49:46.4, 0.6, 35.90S:0.05:73.52W:0.08, h10km, 11km,
n29, r155/32, mb4.0/7, 2C, Off coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like COCH, CCSP, CCHI, etc.

ISK 25 01:56:54.6, 38.68N:43.56E, h8km, MD2.7
ISCJB 25 01:56:54.6, 38.71N:0.02:43.53E:0.05, h9km, 5km,
Error ellipse: s-maj=6.6km s-min=3.8km az=14.2

CSEM 25 01:56:54.6, 38.70N:43.53E, h8km, MD2.7, Error
ellipse: s-maj=6.4km s-min=2.8km az=88.0

DDA 25 01:56:55.6, 38.71N:43.52E, h7km, M12.8
ISC 25 01:56:56.0, 1.0, 38.71N:0.02:43.53E:0.03, h12km, 7km,
n31, r094/48, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VAN, TVAN, VMUR, etc.

IDC 25 02:01:56.0, 1.9, 2.87S:127.61E, h0km, mb3.9/2,
mb1 4.1/4, mb1mx3.6/46, mbmp3.9/4, ML3.8, 2C, Error
ellipse: s-maj=111.1km s-min=24.3km az=69.0
ISCJB 25 02:02:00.8, 0.7, 3.79S:0.05:126.59E:0.05, h10km,
mb3.7/1, Error ellipse: s-maj=8.4km s-min=6.7km
az=137.2
DJA 25 02:02:05.4, 0.5, 3.8S:127.7E, h59km, 16km, M4.0/7,
ML3.7/1, mb4.6/1, MLV3.8/7, MW(M)3.9/1
ISC 25 02:02:01.9, 1.0, 3.67S:0.06:126.61E:0.06, h10km, n13,
r2519/17, Buru

0.1nm, 0.3s, baz=8.7, slow=13, SNR=3.5
WRA Warramunga Ar 17.85 156 P Pn 02 06 10.6 0.0
0.6nm, 0.3s, baz=338, slow=11, SNR=13
ASAR Alice Springs 21.01 161 P P 02 06 46.0 -0.8
3.1m, 0.3s, baz=344, slow=10, SNR=53
MKAR Makanchi Aray 63.61 32 P P 02 12 28.4 -4.6
0.4nm, 0.5s, baz=119, slow=7.9, SNR=8.0

NIED 25 02:08:00, 37.70N:138.30E, h20km, Mw3.6 Best double
couple: M3.270000:1014 NP13661.00000:839.00000:
1.148.00000: N1233:176.00000:871.00000:
JMA 25 02:08:21.3, 37.74N:138.28E, h24km, 13km, M3.7, 2C-4D
Broadband fault plane solution: P waves. NP1:
phi=340.00000, lambda=85.00000, psi=51.00000.
NP2:
phi=76.00000, lambda=40.00000, psi=173.00000.
Principal axes:
T P129.00000, Azm39.00000, N P139.00000,
Azm156.00000, P P137.00000, Azm284.00000, Near
west coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JSD, JIZZ, JNN, etc.

ISC 25 02:09:33.2, 1.3, 30.84N:50.43E, h0km, 67km, ML3.7
IDC 25 02:09:36.9, 1.3, 30.92N:49.99E, h0km, mb3.7/10,
mb1 3.8/14, mb1mx3.7/39, mbmp3.7/14, ML3.7/4, MS3.0/3,
Ms1 3.0/3, ms1mx2.6/45, Error ellipse: s-maj=28.7km
s-min=17.6km az=167.0

CSEM 25 02:09:39.4, 0.3, 31.05N:50.00E, h10km, ML3.8, Error
ellipse: s-maj=8.1km s-min=6.7km az=27.0
ISCJB 25 02:09:39.7, 0.5, 30.94N:0.05:50.00E:0.04, h30km,
mb3.6/9, MS3.3/1, Error ellipse: s-maj=6.9km s-min=4.9km
az=1.3

THR 25 02:09:39.3, 0.6, 31.07N:50.12E, h15km, ML3.8
OMAN 25 02:09:42.2, 31.08N:50.01E, h26km
TEH 25 02:09:42.2, 31.08N:50.01E, h26km, ML3.7
ISC 25 02:09:40.6, 30.95N:0.05:50.06E:0.05, h30km, n56,
r1444/57, mb3.4/9, C-1-D, Northern and central Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SHGR, SHGR, SHGR, etc.

ISC 25 02:09:40.6, 30.95N:0.05:50.06E:0.05, h30km, n56,
r1444/57, mb3.4/9, C-1-D, Northern and central Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SHGR, SHGR, SHGR, etc.











Table with columns: Station Name, Frequency, Power, and other technical details for stations like KESN, EDN, EDC, etc.

ISC 25 05:32:13.4:1.7, 37:34N:74:71E, h0km, mb3.8/9, m1 3.9/15, mb1mx3.7/49, mbtmp3.8/15, ML3.5/6, MS3.4/1, ...

ISC 25 05:32:18.5:6.0, 37:59N:0:04:74:50E:0:05, h10km, mb4.2/15, MS3.3/1, Error ellipse: s-maj=5.7km s-min=5.1km az=150.6

NEIC 25 05:32:24.7:1.7, 37:79N:74:50E, h64km, 14km, mb4.7/10, Error ellipse: s-maj=16.2km s-min=10.6km az=186.0

ISC 25 05:32:18.2:0.5, 37:65N:0:04:74:47E:0:05, h10km, n70, c2578/80, mb4.3/15, 7C-9D, Tajikistan-Xinjiang border region

Main station list table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other technical data for numerous stations.

Table with columns: Station Name, Frequency, Power, and other technical details for stations like NB200, NOA, NC204, TOA1, TORO, etc.

ISC 25 05:59:58.5:0.3, 51:53N:0:02:16:11E:0:02, h0km, mb3.6/10, Error ellipse: s-maj=2.3km s-min=1.6km az=3.6

LDG 25 05:59:59.2:0.2, 51:60N:16:19E, h1km, MM.0/3, Error ellipse: s-maj=6.0km s-min=2.9km az=15.0, Suspected Mining induced.

IPEC 25 05:59:59.8:0.3, 51:60N:16:19E, h0km, ML3.3/3, Error ellipse: s-maj=3.3km s-min=1.7km az=66.0

ISC 25 06:00:00.8:0.5, 51:55N:16:03E, h0km, mb3.6/9, mb1 3.7/15, mb1mx3.6/47, mbtmp3.6/15, ML3.4/6, Error ellipse: s-maj=9.4km s-min=6.0km az=103.0

CSEM 25 06:00:00.0:2.5, 51:57N:16:10E, h2km, ML4.1/21, Error ellipse: s-maj=3.6km s-min=2.2km az=16.0

PRU 25 06:00:01.6:51.52N:16:09E, h0km, Felt in Harrachov WAR 25 06:00:01.5, 51:55N:16:11E, h1km, Mw3.2

BGR 25 06:00:01.0:4.5, 51:55N:16:12E, h1km, ML3.8/15, Error ellipse: s-maj=4.4km s-min=2.2km az=14.0

BNS 25 06:00:01.3:0.3, 51:36N:16:08E, h5km, ML3.6 STR 25 06:00:01.7:0.7, 50:90N:16:26E, h5km, MM.0, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0

ISC 25 05:59:59.0:0.5, 51:64N:0:03:16:14E:0:02, h0km, n156, c1949/256, mb3.6/10, 6C-13D, Poland

Main station list table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other technical data for numerous stations.

Table with columns: Station Name, Frequency, Power, and other technical details for stations like comp=Z,476nm,0.6s, NKC, Novy Kostel, etc.

comp=Z,15nm,0.3s, baz=29, slow=16, SNR=46

SMOL Smolenice 3.24 165 ePg Pg 06 01 00.8 -0.3

SMOL Smolenice 3.24 165 ePg Pg 06 01 00.8 -0.3

WET Wetzell 3.26 221 ePn Pn 06 00 51.7 +0.3

WET Wetzell 3.26 221 Pn Pn 06 00 51.7 +0.3

LANS Liptovska Anna 3.28 138 ePg Pg 06 00 52.6 +0.9

LANS Liptovska Anna 3.28 138 ePg Pg 06 01 01.6 -0.3

LANS Niedzica 3.47 128 ePg Pg 06 01 03.3 -1.1

NIE Niedzica 3.47 128 eS Sg 06 01 49.8 -0.5

NIE Niedzica 3.47 128 eS Sg 06 01 49.8 -0.5

ZST Bratislava 3.51 169 eSg Sg 06 01 48.3 -3.4

ZST Bratislava 3.51 169 eSg Sg 06 01 48.3 -3.4

BSD Bornholm Skovb 3.55 349 i P Sg 06 00 56.7 +1.3

BSD Bornholm Skovb 3.55 349 i P Sg 06 00 56.7 +1.3

CLZ Clausthal 3.59 275 ePn Pn 06 00 57.7 +1.8

CLZ Clausthal 3.59 275 ePn Pn 06 00 57.7 +1.8

VYHS Vyhne 3.60 150 ePn Pn 06 00 56.1 0.0

VYHS Vyhne 3.60 150 ePn Pn 06 00 56.1 0.0

VYHS Vyhne 3.60 150 ePg Pg 06 01 09.0 +1.0

VYHS Vyhne 3.60 150 ePg Pg 06 01 09.0 +1.0

GRA Grafenberg Arr 3.69 240 Pn Pn 06 00 57.8 +0.6

GRA Grafenberg Arr 3.69 240 ePn Pn 06 00 57.8 +0.6

CONA Conrad Observa 3.73 183 i Pn Sg 06 00 58.8 +1.0

CONA Conrad Observa 3.73 183 i Pn Sg 06 00 58.8 +1.0

CONA Conrad Observa 3.73 183 Pn Pn 06 00 58.8 +1.0

CONA Conrad Observa 3.73 183 Sg Sg 06 01 57.5 -1.1

CONA Conrad Observa 3.73 183 Sg Sg 06 01 57.5 -1.1

STHS Stebnicka Huta 3.95 122 ePn Pn 06 01 02.1 +1.3

STHS Stebnicka Huta 3.95 122 ePn Pn 06 01 02.1 +1.3

STHS Stebnicka Huta 3.95 122 ePg Pg 06 01 16.9 +2.3

STHS Stebnicka Huta 3.95 122 ePg Pg 06 01 16.9 +2.3

MOA Molln 3.99 198 i Pn Sg 06 01 02.0 +0.6

MOA Molln 3.99 198 i Pn Sg 06 01 02.0 +0.6

MOA Molln 3.99 198 Pn Sg 06 02 07.3 +0.2

MOA Molln 3.99 198 Sg Sg 06 02 07.3 +0.2

KECS Kecov 4.22 137 ePn Pn 06 01 05.2 +0.6

KECS Kecov 4.22 137 ePn Pn 06 01 05.2 +0.6

KECS Kecov 4.22 137 ePg Pg 06 01 21.4 +1.4

KECS Kecov 4.22 137 ePg Pg 06 01 21.4 +1.4

CRVS Cervenica-Dubn 4.38 127 ePn Pn 06 01 08.1 +1.3

CRVS Cervenica-Dubn 4.38 127 ePn Pn 06 01 08.1 +1.3

CRVS Cervenica-Dubn 4.38 127 ePg Pg 06 01 24.3 +3.0

Table with columns: Station Name, Frequency, Power, and other technical details for stations like KHC, KHC, KHC, etc.



25d 6h

Table with columns: Call sign, Name, Azimuth, Elevation, Power, and other parameters. Includes stations like TUC Tucson, V45A Humboldt, U42A Revenant, etc.

2011 NOV

Table with columns: Call sign, Name, Azimuth, Elevation, Power, and other parameters. Includes stations like INK Inuvik, SML Sawmill, DHY Dent Highway, etc.

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Table with columns: Call sign, Name, Azimuth, Elevation, Power, and other parameters. Includes stations like CMAR Chiang Mai Arr, CMAR Chiang Mai Fall, FORT Forrest, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SCM Sheep Creek Mo, GLI Glacier Island, ILI Eielson Array, etc.

Table with columns: BRG, OBN, GERES, RES, FRB, AKASO, ARU, MLR, BRTR, etc. Includes stations like Berggiesshubel, Obninsk, Geres, etc.

Table with columns: CHY, NWF, NWF, TWK, TWK, TWSI, TWS1, CHN1, CHN1, SGST, etc. Includes stations like Wu-fen Shan, Hsinying, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IDC 25 06:54:13.9,1.0,20:65S, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TAP 25 07:02:01.8,23:88N, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JMA 25 07:05:05.0,2.0,37:93N, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CASC 25 07:00:23.3,1.1,13:32N, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Taiwan, HWA Hwalien, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like coast of Honshu, JIO Ouri, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ISCBJ 25 07:00:34.2,0.5,71:65N, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ENA Nanau, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DOB Dobojo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SCO Scoresbysund, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TWE Tsalung, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TWA Mucha, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Contains station data for various locations like Berane, Podgorica, Brajci-Budva, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Contains station data for various locations like Conchagua, San Miguel, Pacaya, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Contains station data for various locations like Diyadin, Bitlis\_Adilcev, Gevas, etc.

IDC 25 07 18:56.3.7.12.59N:87.83W, h0km, mb3.7/4, mb1 4.0/6, mb1mx3.7/36, mbtmp.3.7/6, ML2.7/2, MS3.3/3, Ms1 3.3/3, ms1mx3.0/24, Error ellipse: s-maj=121.4km, s-min=26.3km az=26.0

ISC 25 07 19:02.7.0.6.13.31N:0.06:87.86W:0.03, h9km, 4km, mb3.8/4, MS3.9/1, Error ellipse: s-maj=10.0km, s-min=3.4km az=21.0

ISC 25 07 19:02.8.1.9.13.34N:87.91W, h3km, 5km, MD3.8, ML3.6

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Includes stations like ONAJ Iwakimizuishiy, JHO Hitachi, JKA Kawauchi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Includes stations like MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Includes stations like DYDN Diyadin, DYDN Diyadin, DYDN Diyadin, etc.

PGC 25 08:05:12.0-0.0, 63.01N, 126.57W, h1km, ML3.8/3, 256km south of Norman Wells, Nt Nw Territories - Nunavut, Canada, Northwest Territories

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Includes stations like FNNB Fort Nelson, FNNB Fort Nelson, FNNB Fort Nelson, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Includes stations like FINES FINESS Array B, TORO Torodi Ar. Sit, TOA1 Torodi Ar. Sit, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Includes stations like EKAR Karacaban, EKAR Karacaban, EKAR Karacaban, etc.

IDC 25 08:10:52.7-6.7, 55.81N, 85.56E, h0km, Error ellipse: s-maj=40.2km s-min=34.5km az=13.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Includes stations like I46RU Zalesovo INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

CSEM 25 08:52:24.8-0.2, 38.56N, 43.50E, h5km, ML3.2, Error ellipse: s-maj=5.3km s-min=4.0km az=99.0
ISCJB 25 08:52:24.5-0.6, 38.55N, 0.03:43.55E, 0.04, h1km, 5km, Error ellipse: s-maj=5.2km s-min=4.2km az=23.3
DDA 25 08:52:24.6, 38.57N, 43.44E, h11km, M3.2
CSEM 25 08:52:24.3, 38.54N, 43.51E, h5km, MD3.1
IASPEI 25 08:52:24.9, 0.9, 38.55N, 0.02:43.48E, 0.03, h0km, 5km, Error ellipse: s-maj=3.7km s-min=2.8km az=82.3, GT5 selection from ISC bulletin GT5 identified by Bond jr and McLaughlin (2009) selection criteria Bond jr and McLaughlin, A new ground truth data set for seismic studies, <b>Seism. Res. Let.</b>, <b>80</b>, 465-472, 2009
ATA 25 08:52:25.7-2.2, 38.62N, 43.38E, h23km, 10km, MD3.9, ML3.7, MW3.5
ISC 25 08:52:24.9-0.9, 38.57N, 0.02:43.50E, 0.02, h5km, 6km, n74, r121/111, 11D, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Includes stations like BNLG BINGOL, BNLG BINGOL, BNLG BINGOL, etc.

ISCJB 25 08:39:33.0-0.5, 14.75N, 0.08:54.86E, 0.07, h14km, mb4.3/22, MS3.1/2, Error ellipse: s-maj=12.9km s-min=9.1km az=29.3

IDC 25 08:39:32.3-1.1, 14.72N, 54.89E, h0km, mb3.8/12, mb1.3.9/12, mb1mx3.7/38, mbtmp3.8/12, MS3.3/3, Ms1.3/2.3, ms1mx2.9/39, Error ellipse: s-maj=28.1km s-min=22.5km az=40.0

NEIC 25 08:39:33.9-0.4, 14.70N, 54.86E, h10km, mb4.9/11, Error ellipse: s-maj=10.0km s-min=7.1km az=211.0

CSEM 25 08:39:33.9, 14.70N, 54.86E, h10km, mb4.9/11
ISC 25 08:39:34.5-0.7, 14.77N, 0.1:54.84E, 0.10, h14km, n75, r052/69, mb4.2/22, 1D, Owen Fracture Zone region

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Includes stations like UOSS Minazif, UOSS Minazif, UOSS Minazif, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Includes stations like TVAN Van, TVAN Van, TVAN Van, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Includes stations like BNLG BINGOL, BNLG BINGOL, BNLG BINGOL, etc.









Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YAYL, ARNB, DRWC, KUZU, KAMA, KFRA, BIDA, HCB, AKO, GZT, HAWK, MARH, ROOS, CSEM, SCER, SVSK, KUR, SHO, YUK, NEM2, JRA, JNK, JAK.

CSEM 25 13:20:42.7, 39.66N, 37.00E, h0km, MD2.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SCER, SVSK, KUR, SHO, YUK, NEM2, JRA, JNK, JAK.

SKHL 25 13:36:20.6, 0.2, 44.24N, 148.69E, h35km, mb4.2/3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KUR, SHO, YUK, NEM2, JRA, JNK, JAK.

MEX 25 13:36:32.0, 0.8, 19.12N, 104.13W, h12km, 4km, MD3.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like R15V, EZSV, CJM.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MMIG, HNR, FMG, DZM, WRA, ASAR, RPZ, MJAR, KRSR, PETK, CMAR, SONM, MKAR, ZALV, INK, TOR, SANI, WRA, CMAR, ASAR, MKAR, GERES.

ISC 25 13:36:45.2, 0.6, 7.57S, 0.10, 156.9E, 0.1, h398km, mb3.7/12, Error ellipse: s-maj=15.0km s-min=12.7km az=162.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR, FMG, DZM, WRA, ASAR, RPZ, MJAR, KRSR, PETK, CMAR, SONM, MKAR, ZALV, INK, TOR, SANI, WRA, CMAR, ASAR, MKAR, GERES.

DJA 25 13:46:28.2, 1.9, 2.1N, 6.12E, h26km, 18km, M4, 4/7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MRSI, MPPI, APSI, PCI, LUWI, SANI, WRA, CMAR, ASAR, MKAR, GERES.

ISC 25 13:46:22.6, 2.8, 2.3N, 0.2, 121.2E, 0.1, h10km, n10, c240/10, mb3.2/3, Celebes Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MRSI, MPPI, APSI, PCI, LUWI, SANI, WRA, CMAR, ASAR, MKAR, GERES.

ISC 25 13:46:23.7, 3.8, 16.73S, 179.20W, h521km, 36km, mb2.9/5, mb1.3/5, mb1.3/min3.0/28, mbtmp3.8/6, Error ellipse: s-maj=95.8km s-min=20.2km az=151.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA, ASAR, ILAR, TXAR, GERES.

CSEM 25 13:57:05.0, 0.6, 37.97N, 38.49E, h20km, MD2.4, Error ellipse: s-maj=22.1km s-min=8.0km az=114.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA, ASAR, ILAR, TXAR, GERES.

DDA 25 13:57:12.0, 37.37N, 38.55E, h7km, MD2.4, Turkey coast of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ATAB, AKCD, ELZG, WEL.

WEL 25 14:29:53.2, 0.5, 37.33S, 179.96E, h33km, ML3.6/5, Error ellipse: s-maj=5.4km s-min=4.3km az=0, Off east coast of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WMGZ, MXZ, PUZ, HAZ.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HAZ, URZ, BKZ.

IDC 25 14:48:29.9, 1.0, 54.01N, 35.14W, h0km, mb3.4/6, mb1.3/7, mb1mx3.5/40, mbtmp3.4/6, Error ellipse: s-maj=43.3km s-min=22.5km az=22.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ESDC, PDAR, TORD, ILAR, TXAR, MKAR, ASAR.

IDC 25 14:49:02.8, 1.0, 54.01N, 35.27W, h0km, mb3.7/6, mb1.4/0, mb1mx3.7/39, mbtmp3.7/6, Error ellipse: s-maj=42.0km s-min=21.3km az=23.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ESDC, PDAR, TORD, ILAR, TXAR, MKAR, ASAR.

IDC 25 14:49:05.2, 0.9, 54.0N, 0.3, 35.3W, 0.2, h16km, n7, 0.5/70, 7, Reykjanes Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ESDC, PDAR, TORD, ILAR, TXAR, MKAR, ASAR.

IDC 25 14:50:56.8, 2.1, 3.54N, 20N, 35.57W, h0km, mb3.5/3, mb1.3/7, mb1mx3.4/41, mbtmp3.5/3, Error ellipse: s-maj=49.0km s-min=31.1km az=23.0, Reykjanes Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PDAR, TORD, MKAR, ASAR.

AZER 25 15:03:00.3, 0.6, 38.44N, 43.54E, h5km, Error ellipse: s-maj=6.8km s-min=4.8km az=128.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VMUR, ERCV, VANB, TVAN, CLDR, DYDN.

ATA 25 15:03:01.0, 1.8, 38.92N, 43.54E, h21km, 7km, MD4.2, ML4.3, MV3.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VMUR, ERCV, VANB, TVAN, CLDR, DYDN.

DDA 25 15:03:01.8, 38.90N, 43.52E, h5km, ML3.8, ISK 25 15:03:01.1, 38.89N, 43.57E, h5km, ML3.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VMUR, ERCV, VANB, TVAN, CLDR, DYDN.

CSEM 25 15:03:02.7, 0.2, 38.89N, 43.52E, h2km, ML3.8, Error ellipse: s-maj=4.8km s-min=4.0km az=147.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VMUR, ERCV, VANB, TVAN, CLDR, DYDN.

NSSC 25 15:03:06.5, 1.3, 39.05N, 42.98E, h15km, 142km, MD2.6, ML2.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VMUR, ERCV, VANB, TVAN, CLDR, DYDN.









25d 17h

CCM	Cathedral Cave	77.16 347	eP	P	17 47 35.6	-0.8
T35A	Sooner Cattle	77.17 342	P	P	17 47 36.8	+0.3
S39A	Bolivar	77.21 345	P	P	17 47 36.4	-0.3
S38A	Stockton	77.27 345	P	P	17 47 36.7	-0.3
R42A	Luebbering	77.30 347	P	P	17 47 36.5	-0.7
MCWV	Mont Chateau	77.42 356	eP	P	17 47 37.7	-0.1
R41A	Rosebud	77.42 347	P	P	17 47 37.9	0.0
T34A	McClaskey Farm	77.43 342	P	P	17 47 38.1	+0.1
TUC	Tucson	77.52 329	P	P	17 47 39.0	+0.3
TUC	Tucson	77.52 329	eP	P	17 47 38.4	-0.3
TUC	Tucson	77.52 329	eP	Pmax	17 47 38.4	-0.3
BLO	Bloomington	77.53 351	eP	P	17 47 37.5	-1.0
BLO	Bloomington	77.53 351	eP	Pmax	17 47 37.5	-1.0
SLM	Saint Louis	77.55 348	eP	P	17 47 38.2	-0.4
SLM	Saint Louis	77.55 348	eP	Pmax	17 47 38.2	-0.4
SLM	Saint Louis	77.55 348	eP	P	17 47 38.2	-0.4
PSUB	Penn St - Bra	77.56 360	eP	P	17 47 38.5	0.0
R40A	Maddies Statio	77.58 346	P	P	17 47 38.4	-0.4
BNM	Barren Site	77.59 334	eP	P	17 47 38.6	-0.6
MVL	Millersville	77.64 359	eP	P	17 47 39.9	+0.9
LPM	Los Pinos Moun	77.74 334	eP	P	17 47 39.8	-0.2
R39A	Chumby Stover	77.75 346	P	P	17 47 39.3	-0.4
Q43A	New Douglas	77.76 348	P	P	17 47 39.4	-0.4
R38A	Fenwick Farm	77.80 345	P	P	17 47 39.3	-0.7
P47A	Martinsville	77.81 351	P	P	17 47 39.2	-0.8
S35A	Otter Creek Ra	77.85 343	P	P	17 47 40.3	+0.1
Q42A	Golden Eagle	77.87 348	P	P	17 47 40.1	-0.2
O56A	Blue Knob Stat	77.87 357	P	P	17 47 41.4	+0.5
LAZ	Ladron	78.00 333	eP	P	17 47 41.6	+0.1
Q41A	Truxton	78.03 347	P	P	17 47 40.9	-0.3
214A	Organ Pipe Nat	78.04 328	P	P	17 47 42.2	+0.7
R37A	Teagarden Farm	78.12 344	P	P	17 47 41.0	-0.8
ACSO	Alum Creek Sta	78.21 354	eP	P	17 47 41.7	-0.5
Q40A	Laux Farm	78.23 346	P	P	17 47 42.2	-0.1
LIC	Lamto	78.25 72	eP	P	17 47 44.4	+1.3
ANMO	Albuquerque	78.25 334	P	P	17 47 43.5	+0.7
ANMO	Albuquerque	78.25 334	dIP	Pmax	17 47 43.0	+0.2
ANMO	Albuquerque	78.25 334	eP	Pmax	17 47 43.2	+0.4
SSPA	Standing Stone	78.31 358	eP	P	17 47 42.3	-0.5
P43A	Skaggs, Pawnee	78.42 349	P	P	17 47 43.1	-0.3
R35A	Emporia Munic	78.44 343	P	P	17 47 43.3	-0.2
Q39A	Willow Grove F	78.45 346	P	P	17 47 43.1	-0.4
Q38A	Cooks Store, C	78.49 345	P	P	17 47 43.5	-0.3
P42A	Winchester	78.50 348	P	P	17 47 43.0	-0.8
TIC	Toumudi	78.52 72	eP	P	17 47 46.2	+1.5
O47A	Sheridan	78.54 351	P	P	17 47 43.0	-1.0
N59A	State Game Lan	78.55 359	P	P	17 47 44.7	+0.6
KIC	Kosan Boka	78.55 73	eP	P	17 47 46.4	+1.6
R34A	Isabella, Hill	78.66 342	P	P	17 47 44.9	+0.1
DBIC	Dimbokro	78.67 72	eP	P	17 47 47.5	+2.1
DBIC	Dimbokro	78.67 72	eP	Pmax	17 47 45.7	+0.3
DBIC	Dimbokro	78.67 72	eP	Pmax	17 47 45.7	+0.3
P40A	Paris	78.74 347	P	P	17 47 45.1	-0.1
O45A	Potomac	78.75 350	P	P	17 47 44.4	-0.8
O44A	Mansfield	78.76 349	P	P	17 47 44.9	-0.3
P39B	Salisbury	78.83 346	P	P	17 47 45.0	-0.6
O43A	Sugar Creek Fa	79.02 349	P	P	17 47 46.3	-0.4
O42A	Bath	79.05 348	P	P	17 47 46.3	-0.5
O41A	Pasleys Farm,	79.10 348	P	P	17 47 46.5	-0.6
P38A	Dawn	79.11 345	P	P	17 47 46.6	-0.6
Q34A	Chapman	79.18 343	P	P	17 47 47.0	-0.6
HDIL	Hopedale	79.28 349	eP	P	17 47 47.7	-0.4
O40A	La Belle	79.28 347	P	P	17 47 47.3	-0.8
N44A	Piper City	79.34 350	P	P	17 47 47.6	-0.9
P35A	Duane Minner,	79.55 344	P	P	17 47 49.1	-0.5
T25A	Trinidad	79.57 336	P	P	17 47 51.1	+1.0
T25A	Trinidad	79.57 336	eP	P	17 47 50.8	+0.7
MHTCO	State Highway	79.65 336	eP	P	17 47 51.0	+0.6
N42A	Yates City	79.66 348	P	P	17 47 49.6	-0.5
N41A	Harden Midland	79.68 348	P	P	17 47 50.0	-0.2
P34A	Walnut Farm, R	79.75 343	P	P	17 47 51.0	+0.3
Y14A	Wickenburg	79.84 329	eP	P	17 47 51.8	+0.4
M44A	Midewin, Midew	79.92 350	P	P	17 47 51.1	-0.4
N40A	Mertquake, Sal	79.97 347	P	P	17 47 51.2	-0.6
M43A	Waltham Townsh	80.09 349	P	P	17 47 51.9	-0.5
N39A	Derby Farms, D	80.13 347	P	P	17 47 52.2	-0.2
N38A	Joys South, F	80.19 346	P	P	17 47 52.9	-0.1
BOSA	Boshof	80.26 119	eP	P	17 47 55.5	+1.4
BOSA	Boshof	80.26 119	eP	Pmax	17 47 55.1	+0.9
BOSA	Boshof	80.26 119	eP	P	17 47 55.1	+0.9
M41A	Milan	80.28 348	P	P	17 47 52.9	-0.6
Y12C	Blythe	80.31 327	eP	P	17 47 54.6	+0.8
O34A	Beatrice	80.32 343	P	P	17 47 53.7	0.0
SDCO	Great Sand Dun	80.47 336	eP	P	17 47 55.4	+0.4

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SDCO	Great Sand Dun	80.47 336	eP	P	17 47 55.1	+0.1
WUAZ	Wupatki	80.57 331	P	P	17 47 56.4	+1.0
WUAZ	Wupatki	80.57 331	eP	P	17 47 56.4	+1.0
BC3	Big Chuckawall	80.63 327	P	P	17 47 56.7	+0.9
M38A	Pleasantville	80.78 346	P	P	17 47 55.3	-0.9
L43A	Green Prairie	80.79 350	P	P	17 47 55.5	-0.7
N34A	Lincoln	80.91 344	P	P	17 47 56.7	-0.2
S22A	4UR Ranch, Cre	80.91 335	P	P	17 47 58.2	+0.9
S22A	4UR Ranch, Cre	80.91 335	eP	P	17 47 58.0	+0.6
MVCO	Mesa Verde	81.00 333	P	P	17 47 58.6	+0.8
MVCO	Mesa Verde	81.00 333	eP	P	17 47 58.2	+0.4
XPFO	Pinyon Flats O	81.03 326	eP	P	17 47 58.9	+1.0
PFO	Pinyon Flats O	81.04 326	P	P	17 47 59.1	+1.2
PFO	Pinyon Flats O	81.04 326	eP	Pmax	17 47 58.8	+0.9
PFO	Pinyon Flats O	81.04 326	eP	Pmax	17 47 58.8	+0.9
PFO	Pinyon Flats O	81.04 326	eP	P	17 47 58.8	+0.9
W13A	Hualapai Mount	81.21 329	eP	P	17 47 59.7	+0.8
MURC	Murrieta	81.35 325	P	P	17 47 59.9	+0.4
L38A	Oak Wood Farm,	81.44 347	P	P	17 47 59.5	-0.2
K41A	Shullsburg	81.44 349	P	P	17 47 59.3	-0.4
Q24A	Divide	81.47 337	eP	P	17 48 01.2	+0.9
Q24A	Divide	81.47 337	eP	P	17 48 01.0	+0.6
K40A	Colesburg	81.66 348	P	P	17 48 00.5	-0.4
GMRC	Granite Mounta	81.68 327	P	P	17 48 02.5	+1.1
U15A	North Rim	81.72 330	eP	P	17 48 02.1	+0.5
PV01	Paradox Valley	81.86 334	eP	P	17 48 01.8	-0.5
PV05	Paradox Valley	81.99 333	eP	P	17 48 03.3	+0.3
BFSC	Mount Baldy Ra	82.10 325	P	P	17 48 04.1	+0.5
J41A	Loganville	82.14 349	P	P	17 48 03.0	-0.3
K37A	Belmond	82.17 346	P	P	17 48 03.1	-0.5
LONY	Lake Ozonia	82.24 0	eP	P	17 48 04.4	+0.5
SMCO	Snowmass	82.25 335	eP	P	17 48 05.5	+0.9
J40A	Soldiers Grove	82.28 348	P	P	17 48 03.9	-0.2
TUQ	Turquoise Moun	82.35 327	P	P	17 48 06.1	+1.3
J39A	Decorah	82.38 348	P	P	17 48 04.1	-0.5
ISCO	Idaho Springs	82.38 337	P	P	17 48 05.8	+0.6
ISCO	Idaho Springs	82.38 337	eP	Pmax	17 48 05.5	+0.4
ISCO	Idaho Springs	82.38 337	eP	Pmax	17 48 05.5	+0.4
KNB	Kanab	82.44 330	eP	Pmax	17 48 06.1	+0.7
KNB	Kanab	82.44 330	eP	Pmax	17 48 06.0	+0.7
KNB	Kanab	82.44 330	eP	P	17 48 06.6	+0.5
LCMT	Little Creek M	82.60 330	eP	P	17 48 07.0	+0.8
GSC	Goldstone, 8s	82.62 327	eP	Pmax	17 48 07.0	+0.8
GSC	Goldstone, 8s	82.62 327	eP	Pmax	17 48 07.0	+0.8
GSC	Goldstone, Bar	82.62 327	eP	P	17 48 07.0	+0.8
LBTF	Lobatsze	82.72 116	eP	Pmax	17 48 08.1	+0.9
LBTF	Lobatsze	82.72 116	eP	Pmax	17 48 08.1	+0.9
LBTF	Lobatsze	82.72 116	eP	P	17 48 08.1	+0.9
EDW2	Edwards Air Fo	82.79 326	P	P	17 48 07.1	+0.1
J36A	Seneca, 1, Swea	82.85 346	P	P	17 48 07.0	-0.1
I39A	Houston	82.85 348	P	P	17 48 07.1	0.0
SHPR	Sheep Range	82.94 328	eP	P	17 48 08.9	+1.0
SZCU	Shurtz Canyon	83.05 330	eP	P	17 48 08.7	+0.1
MTPU	Mount Pierson	83.09 331	eP	P	17 48 09.2	+0.2
CCUT	Cedar City	83.12 330	eP	P	17 48 08.8	-0.1
K31A	O'Neill	83.12 343	P	P	17 48 08.8	+0.3
LRMC	Laurel Mtn Rad	83.15 326	P	P	17 48 09.9	+0.9
I38A	Scandin Farm,	83.17 347	P	P	17 48 08.4	-0.3
I37A	Lemond, Waseca	83.33 347	P	P	17 48 09.6	+0.1
J33A	Davis	83.38 344	P	P	17 48 09.7	-0.1
SRU	San Rafael Swe	83.42 333	eP	Pmax	17 48 10.0	-0.3
SRU	San Rafael Swe	83.42 333	eP	Pmax	17 48 10.0	-0.3
Q16A	Castle Valley	83.48 332	eP	P	17 48 11.4	+0.7
N23A	Red Feather La	83.48 337	P	P	17 48 11.2	+0.5
N23A	Red Feather La	83.48 337	eP	P	17 48 11.2	+0.5
MSU	Marysville	83.50 331	eP	P	17 48 11.3	+0.4
MSU	Marysville	83.50 331	eP	P	17 48 11.3	+0.4
O20A	White River Ci	83.54 335	P	P	17 48 11.7	+0.7
O20A	White River Ci	83.54 335	eP	P	17 48 11.3	+0.4
MPMC	Manual Prospec	83.55 327	P	P	17 48 11.4	+0.2
ISA	Isabella, Lake	83.66 326	P	P	17 48 12.3	+0.8
ISA	Isabella, Lake	83.66 326	eP	Pmax	17 48 11.9	+0.4
ISA	Isabella, Lake	83.66 326	eP	Pmax	17 48 11.9	+0.4
ISA	Isabella, Lake	83.66 326	eP	P	17 48 11.9	+0.4
ECSD	EROS Data Cent	83.70 344	eP	P	17	







Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like OKura, Ichinoseki, Shiratake, Yamaizu, Kaneyama, Ashikaga, Oshama, Matsushiro Arr, etc.

ISC/JB 25 19:35:25.1,0.5,50:20N:0:03:19:00E:0:03,h0km, Error ellipse: s-maj=4.4km s-min=2.4km az=16.4

CSEM 25 19:35:26.5,0.3,50:22N:19:02E,h2km,ML2.9/6, Error ellipse: s-maj=7.0km s-min=3.2km az=15.0

PRU 25 19:35:27.5,0.5,20:20N:19:01E,h0km, Error ellipse: s-maj=9.2km s-min=6.2km az=170.0

WAR 25 19:35:28.1,0.9,50:20N:19:01E,h1km,Mw2.8, Error ellipse: s-maj=9.2km s-min=6.2km az=170.0

VIE 25 19:35:28.5,0.9,50:20N:19:03E,h0km,mb2.6/2,ML2.6/4, Error ellipse: s-maj=9.2km s-min=6.2km az=170.0

ICD 25 19:35:28.5,1.9,50:06N:19:04E,h0km,mb1.3/5/4, mb1mx3.2/3,mbtm3.4/4,ML2.9/6, Error ellipse: s-maj=31.7km s-min=9.0km az=134.0

ISC 25 19:35:29.0,0.7,50:23N:0:03:19:12E:0:02,h0km,n43, 08/84/77,Poland

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like OJC, Ojcow, Ojcow, Ojcow, Ostrava-Krasne, Ostrava-Krasne, Ostrava-Krasne, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LANS, Liptovska Anna, LANS, Liptovska Anna, MORC, Moravsky Berou, MORC, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VRAC, Vranov, VRAC, Vranov, VRAC, Vranov, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BRG, Berggiesshubel, BRG, KHC, Kasperske Hory, KHC, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TUTA, Tutak, TUTA, Hanur-Agry, AGRB, Hanur-Agry, etc.

ISC/JB 25 19:54:32.8,1.0,38:70N:0:05:43:7E:0:1,h24km,6km, Error ellipse: s-maj=14.1km s-min=6.2km az=20.1

ISK 25 19:54:32.2,38:75N:43:61E,h5km,MD2.5, Error ellipse: s-maj=15.7km s-min=7.3km az=109.0

DDA 25 19:54:34.3,38:76N:43:45E,h7km,MD2.4, Error ellipse: s-maj=15.7km s-min=7.3km az=109.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VMUR, Van-Muradiye, VMUR, Van-Muradiye, VMUR, Van-Muradiye, etc.

MOS 25 20:03:50.2,2.4,47:90N:156:41E,h23km,mb4.6/1, Error ellipse: s-maj=99.9km s-min=8.6km az=81.3

KRSC 25 20:03:50.3,10.0,47:90N:156:41E,h23km,10km,ML4.6, East of Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SKR, Severo-Kuril's, SKR, Severo-Kuril's, SKR, Severo-Kuril's, etc.

NEIC 25 20:05:00.0,0.3,35:46N:96:89W,h5km,ML2.5(TUL), After TUL

NEIC Fell at Meeker and Shawnee. ISC 25 20:05:04.8,0.9,35:46N:96:89W:0:02,h7km,6km,n51,08/86/80,Oklahoma

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like OK020, N3440 Road, Me, OK020, N3560 Road, Pr, etc.

ISK 25 19:21:10.3,38:90N:43:61E,h29km,MD2.3, Error ellipse: s-maj=5.8km s-min=5.2km az=126.0

DDA 25 19:21:11.7,38:96N:43:53E,h12km,ML2.9, Error ellipse: s-maj=6.1km s-min=5.2km az=126.0

ISC 25 19:21:11.7,0.9,38:96N:0:03:43:54E:0:03,h10km,5km,n18,08/64/34,Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VMUR, Van-Muradiye, VMUR, Van-Muradiye, VMUR, Van-Muradiye, etc.

DDA 25 19:35:28.9,38:73N:43:52E,h7km,MD2.7, Error ellipse: s-maj=6.2km s-min=4.1km az=178.0

ISC 25 19:35:29.0,38:72N:43:42E,h5km,MD2.6, Error ellipse: s-maj=6.1km s-min=4.4km az=93.0

ISC 25 19:35:29.9,0.9,38:71N:0:02:43:50E:0:03,h11km,7km,n4,08/123/53,Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VANB, Van, VANB, Van, VANB, Van, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LRLK, LRLK, LRLK, etc.

PRE 25 21:23:55.9.2.1,25°43'N,32°09'E,h5km,ML3.6,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MSNA, MSNA, MSNA, etc.

IASPEI 25 21:24:28.7.0.9,35°52'N,0°02:96'75W,0.03,h14km,7km, Error ellipse: s-maj=4.8km s-min=3.2km az=100.3,GT5 selection from ISC bulletin GT5 identified by Bond'jr and McLaughlin (2009) selection criteria Bond'jr and McLaughlin, A new ground truth data set for seismic studies, <i>Seism. Res. Lett.</i>, <b>80</b>,<b>465-472, 2009

ISCJB 25 21:24:28.3.0.4,35°51'N,0°01:96'76W,0.02,h5km,3km, Error ellipse: s-maj=2.7km s-min=2.2km az=1.6

NEIC 25 21:24:29.0.0.3,35°51'N,96°75W,h4km,ML3.4(TUL), After TUL

NEIC Felt (IV) at Prague, (III) at Sparks and (II) at Holdenville, Meeker and Shawnee. Felt in parts of central Oklahoma and southern Kansas.

ISC 25 21:24:29.2.0.9,35°51'N,0°02:96'74W,0.02,h10km,6km,n97,c0569/125,Oklahoma

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like OK022, OK021, OK020, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like W38A, W38A, W38A, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HAKT, HAKT, HAKT, etc.

IDC 25 21:29:56.8.3.36,22°N,142°09'E,h0km,mb3.5/2, mb1 3.4/3,mb1mx3.2/31,mbtm3.4/3,ML3.2/1,MS3.6/1, Ms1 3.6/1,ms1mx2.7/31,Error ellipse: s-maj=182.5km s-min=55.7km az=167.0

ISCJB 25 21:30:00.6.1.2,36°41'N,0°06:141'7E,0.1,h19km, mb3.3/2,MS3.5/1,Error ellipse: s-maj=13.9km s-min=6.0km az=166.8

JMA 25 21:30:00.9.0.2,36°38'N,141°65'E,h36km, M3.0

ISC 25 21:29:55.8.2.1,36°30'N,0°05:141'9E,0.1,h19km,n14, c05709/14,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JHO, ONAJ, ONAJ, etc.

IDC 25 21:32:21.6.3.0,36°58'N,142°05'E,h0km,mb3.7/3, mb1 3.7/4,mb1mx3.4/29,mbtm3.4/4,ML3.1/1,MS3.3/1, JFT 1.1mx2.6/36,Error ellipse: s-maj=78.3km s-min=31.8km az=58.0

ISCJB 25 21:32:23.7.1.5,36°37'N,0°08:141'9E,0.2,h19km, mb3.5/3,MS3.1/1,Error ellipse: s-maj=18.8km s-min=11.6km az=179.4

JMA 25 21:32:25.9.0.3,36°38'N,141°69'E,h36km, M2.7

ISC 25 21:32:25.2.1.4,36°50'N,0°07:141'72E,0.09,h19km,n14, c05701/15,mb3.4/3,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JHO, ONAJ, ONAJ, etc.

IDC 25 21:48:02.5.15.0,21°87'S,179°42'E,h417km,183km, mb3.3/3,mb1 3.6/3,mb1mx3.0/32,mbtm4.0/3,Error ellipse: s-maj=248.1km s-min=44.0km az=171.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ASAR, WRA, TXAR, etc.

ISK 25 21:50:14.8,38°69'N,43°43'E,h2km,MD2.3 CSEM 25 21:50:16.1.0.3,38°73'N,43°49'E,h10km,MD2.3,Error ellipse: s-maj=10.3km s-min=5.8km az=107.0

DDA 25 21:50:16.2,38°72'N,43°45'E,h7km,MI2.6 ISC 25 21:50:16.2.1.2,38°73'N,0°03:43'45E,0.05,h15km,9km,n14,c0555/26,Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VANB, VANB, VANB, etc.

IDC 25 21:50:42.9.9.8,51°26'N,178°55'E,h0km,mb3.3/3, mb1 3.9/4,mb1mx3.4/40,mbtm3.6/4,ML3.8/1,Error ellipse: s-maj=202.3km s-min=71.0km az=97.0

NEIC 25 21:50:52.5.0.0,52°14'N,178°54'E,h41km,ML3.4(AEIC), After AEIC, Rat Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GALAA, TAFP, TAFP, etc.













Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Alice Springs, Alice Springs, Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Panska Ves, Colim, Colim, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Avah, Sedolovina, Sedolovina, etc.

26d 2h

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, Station Name, and other technical details for various radio stations.

2011 NOV

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, Station Name, and other technical details for various radio stations.

1416

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, Station Name, and other technical details for various radio stations.







26d 6h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like SNA, MAW, DEVC, etc.

IDC 26 06:16:04.0.0.3, 18:19:55:176:17E, h0km, mb4.3/11, mb1 4.5/11, mb1mx4.3/28, mbtmp4.3/11, MS3.6/10, MS1 3.6/10, ms1mx3.4/31, Error ellipse: s-maj=30.8km s-min=21.1km az=139.0

ISCJB 26 06:16:05.3.0.3, 18:17:05:176:33E, h2km, mb4.8/38, MS4.0/14, Error ellipse: s-maj=8.0km s-min=7.3km az=40.4

NEIC 26 06:16:07.7.3.2, 18:17:05:176:32E, h2km, mb5.0/21, Error ellipse: s-maj=11.0km s-min=8.3km az=153.0

NEIC Fell at Suva, BUIC 26 06:16:07.0.18:60S:176:40E, h34km, mb4.9/21, mb5.3/9, MS5.1/9, MS7.4/12

ISC 26 06:16:07.2.0.4, 18:67S:107:176:28E, h2km, mb102, e189/107, mb5.0/38, MS3.7/14, 3C-3D, Fiji Islands region

Main table of station data for the 26d 6h period, including station names, coordinates, and status.

2011 NOV

Main table of station data for the 2011 NOV period, including station names, coordinates, and status.

IDC 26 06:26:32.4.1.3, 35:38S:71:86W, h0km, mb3.7/3, mb1 3.9/4, mb1mx3.7/19, mbtmp3.7/4, ML3.6/7, Error ellipse: s-maj=61.5km s-min=29.4km az=77.0

ISCJB 26 06:26:38.2.0.5, 35:28S:104:72:05W, h0.9, h51km, mb3, mb3.7/3, Error ellipse: s-maj=12.7km s-min=4.8km az=19.9

GUC 26 06:26:38.9.0.5, 35:28S:72:07W, h43km, mb1, ML4.0

ISC 26 06:26:39.0.0.8, 35:28S:104:72:07W, h0.07, h43km, mb1, n14, e056/22, mb3.9/3, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error.

1420

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error.

ISCJB 26 06:37:19.4.0.3, 1:61S:0:05:81:78W, h0.03, h10km, mb4.3/32, Error ellipse: s-maj=6.5km s-min=3.6km

IDC 26 06:37:19.8.0.8, 1:53S:81:70W, h0km, mb3.9/12, mb1 4.1/16, mb1mx4.0/35, mbtmp3.9/16, ML3.6/4, MS3.4/2, MS1 3.5/2, ms1mx2.5/28, Error ellipse: s-maj=24.1km s-min=14.6km az=98.0

IGQ 26 06:37:21.2.1.0, 2:59:8:2W, h10km, M4.6/18, MLV4.6/18

NEIC 26 06:37:25.2.1.2, 1:62S:81:65W, h43km, mb11km, mb4.5/25, Error ellipse: s-maj=11.6km s-min=6.7km az=65.0

ISC 26 06:37:20.6.0.5, 1:63S:105:81:76W, h0.06, h10km, Res: e134/104, mb4.5/32, Op Coast of Ecuador

Main table of station data for the 1420 period, including station names, coordinates, and status.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DAWK Dawson, INK Inuvik, IL1 Eielson Array, etc.

IDC 26 06:43:52.0, 5.7, 7.62S; 128.07E, h133km, 55km, mb3.6/4, mb1 3.9/7, mb1mx3.5/36, mbtmp4.3/7, MS3.6/1, Ms1 3.6/1, ms1mx2.7/34, Error ellipse: s-maj=60.4km s-min=23.4km az=64.0

ISC 26 06:43:53.8, 0.9, 7.72S; 128.4E, 0.2, h151km, m10, c269/12, mb3.9/4, 1, C, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 26 06:53:15.9, 3.4, 5.92S; 146.16E, h75km, 35km, mb3.7/9, mb1 4.0/11, mb1mx3.7/37, mbtmp4.1/11, ML3.5/2, MS3.2/2, Ms1 3.2/2, ms1mx1.7/26, Error ellipse: s-maj=57.7km s-min=19.9km az=105.0

ISC 26 06:53:11.5, 0.8, 6.09S; 0.07, 146.2E, 0.1, h32km, m13, c284/15, mb4.0/9, E, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, CTA Charters Tower, WRA Warramunga Arr, etc.

NNC 26 06:59:45.6, 3.7, 53.62N; 87.99E, h0km, mb3.5, mpv3.1, 3C-8D, Error ellipse: s-maj=29.9km s-min=13.3km az=61.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZAAO Zalesovo Array, KURK Kurchatov, MKR1 Makanchi Array, etc.

MOS 26 06:59:55.2, 0.8, 10.62S; 78.25W, h36km, mb5.1/35, Error ellipse: s-maj=18.5km s-min=5.8km az=118.9

ISCJB 26 06:59:56.7, 0.2, 10.57S; 0.03, 78.13W, 0.04, h51km, mb5.1/209, MS4.2/22, Error ellipse: s-maj=6.5km s-min=3.4km az=147.5

IDC 26 06:59:57.3, 0.5, 10.86S; 78.41W, h48km, 3km, mb4.3/15, mb1 4.5/17, mb1mx4.4/30, mbtmp4.6/17, MS4.1/21, Ms1 4.1/21, ms1mx4.0/27, Error ellipse: s-maj=13.6km s-min=6.4km az=54.0

NEIC 26 06:59:58.3, 0.1, 10.71S; 78.19W, mb5.1/197, Error ellipse: s-maj=4.7km s-min=2.2km az=57.0

NEIC Felt (IV) at Barranca; (III) at Huacho and Supe; (II) at Huatza and Lima. Also felt at Chimboe, BJI 26 07:00:00.9, 10.70S; 78.10W, h66km, mb5.5/10, Ms5.5/7,

M57 5.4/11 ISC 26 06:59:58.0, 0.3, 10.76S; 0.05, 78.32W, 0.07, h52km, 2km, h52km; pP, n765, c1907/809, mb5.1/209, MS4.2/22, 6C-4D, Near coast of Peru

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NNA Nana, NNA Nana, ATAH Atahualpa, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like 145A Houston Renfro, 242A Grayson, 339A Huntington, etc.



W40A	Ferguson Farm, comp=Z,42nm,0.8s	47.79 344	eP	P	P	07 08 31.3 +1.0
X38A	Whitesboro	47.82 342	P	P	P	07 08 31.2 +0.7
Y35A	Marietta	47.85 339	P	P	P	07 08 31.7 +0.9
U45A	Rockin P Farm,	47.88 349	P	P	P	07 08 30.1 -0.8
X37A	Clayton	47.92 341	P	P	P	07 08 31.9 +0.6
X37A	Clayton	47.92 341	eP	P	P	07 08 31.9 +0.6
V42A	Cord Magazine	47.93 346	P	P	P	07 08 31.1 -0.2
W39A	Magazine	47.99 343	P	P	P	07 08 32.4 +0.6
W38A	Poteau	48.09 342	P	P	P	07 08 33.2 +0.6
V41A	Mountainview	48.10 345	P	P	P	07 08 32.4 -0.3
JSRW	J. Sargeant Re	48.20 0	eP	P	P	07 08 33.6 +0.3
T47A	Sharon Grove	48.21 351	P	P	P	07 08 32.3 -1.1
X36A	Centrahoma	48.22 340	P	P	P	07 08 33.7 +0.1
X35A	Drake	48.28 339	P	P	P	07 08 33.9 -0.2
X35A	Drake	48.28 339	eP	P	P	07 08 33.9 -0.2
V40A	Witts Springs	48.30 344	P	P	P	07 08 34.2 0.0
IP05	Hopewell Churc	48.34 1	eP	P	P	07 08 34.5 +0.1
U42A	Reviden	48.42 346	P	P	P	07 08 34.4 -0.7
IP07	Quail	48.42 0	eP	P	P	07 08 35.2 +0.2
IP07	Quail	48.42 0	eP	P	P	07 08 49.1 +0.2
IP06	Yanceyville	48.44 0	eP	P	P	07 08 35.4 +0.2
IP06	Quinton	48.44 341	eP	P	P	07 08 49.3 +0.3
W37B	Quinton	48.44 341	eP	P	P	07 08 35.5 +0.2
W37B	Quinton	48.44 341	eP	P	P	07 08 35.9 +0.6
IP01	Cuckoo	48.46 0	eP	P	P	07 08 35.7 +0.3
IP01	Cuckoo	48.46 0	eP	P	P	07 08 49.6 +0.3
IP03	Louisa	48.52 0	eP	P	P	07 08 36.1 +0.2
IP03	Spring Road, M	48.53 0	eP	P	P	07 08 49.4 -0.3
SPRD	Spring Road, M	48.53 0	eP	P	P	07 08 36.2 +0.3
SPRD	Pettigrew	48.56 343	eP	P	P	07 08 49.4 -0.4
V39A	Pettigrew	48.56 343	eP	P	P	07 08 36.2 0.0
CVRD	Centerville Ro	48.58 1	eP	P	P	07 08 36.2 0.0
U41A	Viola	48.58 345	P	P	P	07 08 35.7 -0.5
IP04	Greensprings	48.60 0	eP	P	P	07 08 36.9 +0.5
PTRD	Partlow Road	48.63 1	eP	P	P	07 08 37.1 +0.5
PBMO	Poplar Bluff	48.64 347	eP	P	P	07 08 36.3 -0.5
SPFD	Spotsylvania F	48.65 1	eP	P	P	07 08 37.1 +0.3
W36A	Wetumka	48.70 340	P	P	P	07 08 36.7 -0.5
W36A	Wetumka	48.70 340	eP	P	P	07 08 37.0 -0.2
T44A	Benton	48.76 348	P	P	P	07 08 37.0 -0.6
V38A	Canehill	48.80 343	P	P	P	07 08 37.8 -0.2
U40A	Yellville	48.83 344	P	P	P	07 08 38.0 -0.3
T43A	Greenville	48.83 347	P	P	P	07 08 37.8 -1.0
W35A	Tecumseh	48.93 340	P	P	P	07 08 39.0 -0.1
W35A	Tecumseh	48.93 340	eP	P	P	07 08 38.9 -0.1
S46A	Don Dixon Farm	48.99 350	P	P	P	07 08 38.3 -1.1
U39A	Green Forest	49.02 344	P	P	P	07 08 39.3 -0.5
T42A	Van Buren	49.03 346	P	P	P	07 08 38.9 -0.9
V37A	Hulbert	49.04 342	P	P	P	07 08 39.8 0.0
HHAR	Hobbs	49.05 343	eP	P	P	07 08 40.2 +0.2
V36A	Jenks	49.20 341	P	P	P	07 08 40.8 -0.3
V36A	Jenks	49.20 341	eP	P	P	07 08 41.1 0.0
T41A	Mountain View	49.20 346	P	P	P	07 08 40.5 -0.6
WMOK	Wichita Mount	49.23 338	P	P	P	07 08 41.1 -0.3
WMOK	Wichita Mount	49.23 338	eP	P	P	07 08 41.2 -0.2
WMOK	Wichita Mount	49.23 338	eP	P	P	07 08 41.2 -0.2
TUL1	Leonard	49.26 341	P	P	P	07 08 41.2 -0.3
TUL1	Leonard	49.26 341	eP	P	P	07 08 41.7 +0.1
OK020	N3440 Road, Me	49.28 340	eP	P	P	07 08 41.2 -0.5
S44A	Carbondale	49.28 349	P	P	P	07 08 41.1 -0.5
SIUC	Southern Illin	49.29 349	eP	P	P	07 08 41.0 -0.8
SIUC	Southern Illin	49.29 349	eP	P	P	07 08 55.1 -0.6
WCI	Wyandotte Cave	49.30 352	eP	P	P	07 08 41.2 -0.6
WCI	Wyandotte Cave	49.30 352	eP	P	P	07 08 41.2 -0.6
S43A	Fulton Ridge,	49.33 348	P	P	P	07 08 41.2 -0.8
U38A	Gravette	49.33 343	P	P	P	07 08 42.0 -0.1
V35A	Meyer Ranch, C	49.47 340	P	P	P	07 08 42.6 -0.5
V35A	Meyer Ranch, C	49.47 340	eP	P	P	07 08 42.8 -0.4
T40A	Mansfield	49.49 345	P	P	P	07 08 42.8 -0.5
U37A	Salina	49.51 342	P	P	P	07 08 43.3 -0.2
MNTX	Cornudas Mount	49.54 329	eP	P	P	07 08 43.6 -0.2
MNTX	Cornudas Mount	49.54 329	eP	P	P	07 08 44.2 +0.4
T39A	Clever	49.59 344	P	P	P	07 08 43.7 -0.4
S42A	Caledonia	49.67 347	P	P	P	07 08 44.2 -0.5
R45A	Skylat, Fairri	49.68 350	P	P	P	07 08 44.3 -0.4
U36A	Oologah	49.69 342	P	P	P	07 08 44.9 +0.1
S41A	Jillico Farms,	49.72 346	P	P	P	07 08 44.1 -0.9
R44A	Waltonville	49.78 349	P	P	P	07 08 44.9 -0.6
FVM	French Village	49.80 347	eP	P	P	07 08 44.8 -0.8
FVM	French Village	49.80 347	eP	P	P	07 08 44.8 -0.8
FVM	French Village	49.80 347	eP	P	P	07 08 58.2 -1.3
T38A	Diamond	49.86 343	P	P	P	07 08 45.9 -0.2
CPRX	Cap Rock	49.90 332	eP	P	P	07 08 41.3 -5.4
S40A	Soldier's Deli	49.91 345	P	P	P	07 08 45.8 -0.7
R43A	Red Bud	49.98 348	P	P	P	07 08 46.2 -0.7
U35A	Pawnee	49.99 341	P	P	P	07 08 46.6 -0.5
U35A	Pawnee	49.99 341	eP	P	P	07 08 47.0 0.0
U35A	Pawnee	49.99 341	eP	P	P	07 09 03.0 +1.9

Q47A	Bedord North L	50.01 352	P	P	P	07 08 46.4 -0.8
CCM	Cathedral Cave	50.05 347	eP	P	P	07 08 47.5 0.0
CCM	Cathedral Cave	50.05 347	eP	P	P	07 08 47.5 0.0
OLIL	Olney	50.08 350	eP	P	P	07 08 46.7 -1.0
T37A	Cheneyville 18	50.12 343	P	P	P	07 08 47.9 -0.2
R42A	Luebbering	50.16 347	P	P	P	07 08 48.0 -0.4
MSTX	Mulheo	50.19 333	P	P	P	07 08 48.6 -0.2
MSTX	Muleshoe	50.19 333	eP	P	P	07 08 50.3 +1.5
S39A	Bolivar	50.21 344	P	P	P	07 08 48.2 -0.5
R41A	Rosebud	50.31 347	P	P	P	07 08 48.7 -0.8
S38A	Stockton	50.31 344	P	P	P	07 08 48.8 -0.7
T36A	Boggs Farm, C	50.35 342	P	P	P	07 08 49.3 -0.5
Q44A	Meyer Farm, V	50.40 349	P	P	P	07 08 49.1 -1.1
T35A	Soor Cattle	50.42 341	P	P	P	07 08 50.0 -0.3
R40A	Maddies Stato	50.51 346	P	P	P	07 08 50.2 -0.7
MVL	Millersville	50.53 2	eP	P	P	07 08 51.8 +0.7
MVL	Millersville	50.53 2	eP	P	P	07 09 06.4 +1.3
P47A	Martinsville	50.53 352	P	P	P	07 08 50.4 -0.8
Q43A	New Douglas	50.57 349	P	P	P	07 08 50.7 -0.7
S37A	Fort Scott	50.69 343	P	P	P	07 08 52.4 +0.1
Q42A	Golden Eagle	50.71 348	P	P	P	07 08 52.0 -0.5
R39A	Chumby Stover	50.72 345	P	P	P	07 08 52.0 -0.6
T34A	McClaskey Farm	50.73 340	P	P	P	07 08 52.6 -0.1
O56A	Bluff Knob Stat	50.77 360	P	P	P	07 08 52.8 -0.2
U32A	Winter Ranch,	50.78 338	P	P	P	07 08 53.1 0.0
P45A	Graceland, Par	50.79 351	P	P	P	07 08 52.5 -0.6
P45A	Rosedale	50.80 351	P	P	P	07 08 52.4 -0.8
R38A	Fenwick Farm,	50.83 344	P	P	P	07 08 53.0 -0.4
S36A	Lake Cedric, C	50.88 342	P	P	P	07 08 53.6 -0.1
P44A	Sand Creek, Wi	50.88 350	P	P	P	07 08 53.0 -0.7
Q41A	Truxton	50.90 347	P	P	P	07 08 53.5 -0.5
ACSO	Alum Creek Sta	50.92 355	eP	P	P	07 08 53.1 -0.9
ACSO	Otter Creek Ra	51.06 342	eP	P	P	07 09 07.1 -0.9
Q40A	Laux Farm, Aux	51.13 346	P	P	P	07 08 55.5 -0.1
SSPA	Standing Stone	51.14 0	eP	P	P	07 08 55.3 -0.4
R37A	Teagarden Farm	51.20 343	P	P	P	07 08 55.7 -0.5
P43A	Skaggs, Pawnee	51.21 349	P	P	P	07 08 55.4 -0.9
O47A	Sheridan	51.26 352	P	P	P	07 08 55.5 -1.1
P42A	Winchester	51.32 348	P	P	P	07 08 56.2 -0.8
319A	Douglas	51.35 326	eP	P	P	07 08 58.4 +0.8
Q39A	Willow Grove F	51.40 345	P	P	P	07 09 12.7 +1.1
Q39A	Willow Grove F	51.40 345	P	P	P	07 08 57.7 0.0
R36A	Gordon, Harris	51.40 343	P	P	P	07 08 57.2 -0.6
121A	Cookes Peak, D	51.44 328	P	P	P	07 08 59.4 +1.1
121A	Cookes Peak, D	51.44 328	eP	P	P	07 08 59.2 +0.9
N59A	State Game Lan	51.47 2	P	P	P	07 08 58.4 +0.2
Q38A	Cooks Store, C	51.48 345	P	P	P	07 08 57.9 -0.3
O45A	Potomac	51.49 351	P	P	P	07 08 57.3 -1.1
SFIN	Lafayette	51.53 351	P	P	P	07 08 57.5 -1.1
SFIN	Lafayette	51.53 351	eP	P	P	07 08 57.5 -1.1
P41A	Barry, Barry	51.56 347	P	P	P	07 08 57.8 -1.1
R35A	Emporia Munic	51.61 342	P	P	P	07 08 59.0 -0.3
Q37A	Longview Farm,	51.62 344	P	P	P	07 08 58.6 -0.7
P40A	Paris	51.64 346	P	P	P	07 08 58.6 -0.8
P39B	Salisbury	51.76 346	P	P	P	07 08 59.8 -0.6
O42A	Bath	51.86 349	P	P	P	07 09 00.2 -0.9
R34A	Isabella, Hill	51.92 341	P	P	P	07 08 41.3 -0.3
O41A	Passleys Farm,	51.94 348	P	P	P	07 09 00.6 -1.1
N46A	Monticello	51.98 352	P	P	P	07 09 00.8 -1.1
M54A	Oil Creek Stat	52.02 359	P	P	P	07 09 01.8 -0.5
Q35A	Merc Eighty,	52.06 342	P	P	P	07 09 01.9 -0.7
HDIL	Hopedale	52.06 349	P	P	P	07 09 01.5 -1.0
HDIL	Hopedale	52.06 349	eP	P	P	07 09 01.8 -0.8
P38A	Dawn	52.09 345	P	P	P	07 09 02.1 -0.7
O40A	La Be	52.16 347	P	P	P	07 09 02.5 -0.8
P37A	Lathrop	52.25 344	P	P	P	07 09 03.3 -0.8
Q34A	Chapman	52.29 342	P	P	P	07 09 04.5 -0.5
N43A	Stutzman Famil	52.41 350	P	P	P	07 09 04.3 -0.8





Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OCPM Olym-Cheeka Pk, TXB Texada, B926 Mesachie Lake, etc.

IDC 26 07:05:31.5-1.5, 7.20S, 127.59E, h0km, mb3.6/3, mb1 4.2/6, mb1mx3.8/29, mbmt4.0/6, ML4.6/3.0, Error ellipse: s-maj=96.6km s-min=24.2km az=75.0, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

ISCJJB 26 07:23:47.0 0.6, 50.03N, 0.04W, 78.47E, 0.08, h0km, Error ellipse: s-maj=8.1km s-min=1km az=154.8, NNC 26 07:23:47.8 1.2, 50.05N, 78.53E, h0km, mb3.3, mpv3.0, Error ellipse: s-maj=18.6km s-min=5.1km az=81.0, Suspected Mining explosion.

IDC 26 07:23:48.6 0.9, 50.08N, 78.78E, h0km, mb1 3.2/3, mb1mx2.9/40, mbmp3.2/3, ML2.8/3, Error ellipse: s-maj=1.1, 1km s-min=6.5km az=56.0, ISC 26 07:23:48.9 0.8, 50.09N, 0.05E, 78.59E, 0.07, h0km, n10, r1516/15, 7C-4D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KURBB Kurchatov Arra, KURBB Kurchatov Arra, KURKB Kurchatov, etc.

TRN 26 07:27:32.7, 10.92N, 62.09W, h101km, MD3.7, Near coast of Venezuela

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TCE Chacachacare, TRN Trinidad (W), TRN Pointe-a-Pierre, etc.

ISCJJB 26 07:29:23.8 0.6, 32.21N, 0.03E, 115.27W, 0.05, h13km, 6km, Error ellipse: s-maj=7.0km s-min=4.7km az=151.2, ECX 26 07:29:25.1 0.5, 32.21N, 115.27W, h5km, MD2.5, ML2.6, MEX 26 07:29:25.4 0.4, 32.29N, 115.13W, h15km, 12km, MD3.7, ISC 26 07:29:23.2 1.0, 32.26N, 0.04E, 115.21W, 0.04, h25km, 8km, n22, r052/30, 5C-2D, California-Baja California border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MBIG Mexicali, CPBX Cerro Prieto, CPBX Cerro Prieto, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ERPC Ernie's Place, SMD Schaffner Ranc, YNR Yuma Desert, etc.

PGC 26 07:48:41.5 0.3, 48.94N, 128.59W, h10km, ML5n3 1/21, Mw3.8/21, 196km west of Tofino, Bc Vancouver Island, Canada Region, IDC 26 07:48:46.7 2.7, 49.34N, 128.09W, h0km, mb3.8/2, mb1 3.9/5, mb1mx3.5/22, mbmp3.6/5, ML3.4/3, PRX3.4/9, Ms1 3.4/9, ms1mx3.1/43, Error ellipse: s-maj=51.4km s-min=13.8km az=64.0, ISC 26 07:48:39.7 1.9, 48.94N, 0.04E, 128.57W, 0.06, h5km, 17km, n42, r188/55, MS3.5/35, Vancouver Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TJJG Tijuana, TJJG Tijuana, BXAR Barrett, etc.

NCHR NEPTUNE Canada 1.03 200 P P 07 48 59.5 +0.1, KEMF NEPTUNE Canada 1.05 200 P S 07 49 11.0 -1.6, NCHR ODP889 1.17 103 P S 07 49 18.5 +1.2, NCHR ODP1027 1.30 155 Pn Sb 07 49 03.0 -1.2, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NCHR NEPTUNE Canada, KEMF NEPTUNE Canada, NCHR ODP889, etc.

MEX 26 07:48:56.8 0.9, 15.15N, 93.07W, h64km, 13km, MD3.5, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PCIG Comitan, PCIG Comitan, COIG Comitan, etc.

ISCJJB 26 08:05:53.7 1.2, 26.1S, 0.1E, 176.9W, 0.3, h98km, mb3.9/4, Error ellipse: s-maj=34.9km s-min=10.2km az=19.9, IDC 26 08:05:54.4 0.1, 25.98S, 177.00W, h79km, 39km, mb3.7/4, mb1 4.0/6, mb1mx3.7/23, mbmt4.2/6, ML4.1/2, Error ellipse: s-maj=55.2km s-min=23.6km az=127.0, ISC 26 08:05:55.5 1.1, 26.1S, 0.1E, 176.8W, 0.3, h98km, n9, r130/11, mb3.9/4, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AFI Afiamalu, AFI Afiamalu, URZ Urewera, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AKASG Malin Array Be, BRTR Keskin Array B, BRTR Keskin Array B, etc.

CSEM 26 08:11:57.0 0.3, 42.32N, 8.49W, h12km, 1km, ML4.0/18, Error ellipse: s-maj=5.6km s-min=2.2km az=114.0, MDD 26 08:11:59.6 0.4, 42.29N, 8.47W, h20km, 1km, mbLg3.3/34, Error ellipse: s-maj=4.3km s-min=2.5km az=95.0, PRXIMO MDD EMS: III-IV INTENSIDAD MAXIMA, LDG 26 08:11:59.0 0.1, 42.31N, 8.46W, h10km, M13.3/20, Error ellipse: s-maj=3.2km s-min=1.8km az=97.0, INMG 26 08:12:00.0 0.2, 42.28N, 8.47W, h15km, 3km, MD3.1, ML3.2, Error ellipse: s-maj=4.5km s-min=2.1km az=96.0, IGL 26 08:12:00.0, 42.27N, 8.48W, h20km, ISC 26 08:11:59.2 1.1, 42.34N, 0.02E, 830W, 0.04, h27km, 10km, n210, r252/325, 11C-4D, Spain

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PGAV Gavieira, Arco, PGAV Gavieira, Arco, EAGO Agolada, etc.

26d 8h

2011 NOV

1426

EARI	Arriondas	2.46	66	Pn	Pb	08 12 40.3	-2.5	PBEJ	eSn	Sn	08 13 49.0	-3.7	PFVI	4.6nm,0.3s,SNR=7.9	5.23	82	Pn	Sn	08 14 09.8	-5.0	
PCBR	Castelo Branco	2.58	166	ePn	Pn	08 12 39.3	+0.2	PBEJ	eSg	Sb	08 14 10.9	+4.7	IELO	0.8nm,0.1s,SNR=7.9	5.23	82	Pn	Pn	08 13 18.3	+2.6	
PCBR				eSg	Sb	08 13 18.5	+2.6	PBEJ	A	A	08 14 16.2		IELO	4.8nm,0.3s,SNR=7.9	5.23	82	Pn	Sn	08 14 14.8	-0.4	
PCBR	121nm,0.4s							PBEJ	20nm,0.3s	4.33	176	Pn	Sn	08 13 02.4	-0.8						
PCBR	Castelo Branco	2.58	166	Pn	Pn	08 12 39.3	+0.2	PBEJ	9.9nm,0.3s			Lg	Lg	08 14 10.9							
PCBR	Castelo Branco	2.58	166	ePn	Pn	08 12 39.3	+0.2	PBEJ	9.9nm,0.3s	4.33	176	ePn	Pn	08 13 02.4	-0.8	IELO	0.8nm,0.1s,SNR=7.9	5.23	82	Pn	Pn
PCBR	Castelo Branco	2.58	166	eSg	Sb	08 13 18.5	+2.6	PBEJ	9.9nm,0.3s			Lg	Lg	08 14 10.9		IELO	4.8nm,0.3s,SNR=7.9	5.23	82	Pn	Sn
PTOM	Tomar	2.73	182	ePn	Pn	08 12 40.3	-0.9	MEJS	Messejana	4.50	179	eP	Pn	08 13 04.6	-0.9	YARA	0.3nm,1.1s,SNR=7.9	5.26	84	Pn	Sn
PTOM	Tomar	2.73	182	ePn	Pn	08 12 40.3	-0.9	MEJS	Messejana	4.50	179	eP	Pn	08 13 04.6	-0.9	YARA	0.3nm,1.1s,SNR=7.9	5.26	84	Pn	Sn
PTOM	Tomar	2.73	182	eSg	Sb	08 13 21.5	+1.4	MEJS	Messejana	4.50	179	eP	Pn	08 13 04.6	-0.9	YARA	0.3nm,1.1s,SNR=7.9	5.26	84	Pn	Sn
PTOM	Tomar	2.73	182	ePn	Pn	08 12 40.3	-0.9	PCVE	Castro Verde	4.71	178	ePn	Pn	08 13 07.4	-1.1	YARA	1.2nm,2.8s,SNR=7.9	5.26	84	Pn	Sn
PTOM	Tomar	2.73	182	eSg	Sb	08 13 21.5	+1.4	PCVE	Castro Verde	4.71	178	ePn	Pn	08 13 07.4	-1.1	YARA	0.3nm,1.1s,SNR=7.9	5.26	84	Pn	Sn
PTOM	Tomar	2.73	182	ePn	Pn	08 12 40.3	-0.9	PCVE	Castro Verde	4.71	178	ePn	Pn	08 13 07.4	-1.1	YARA	1.2nm,2.8s,SNR=7.9	5.26	84	Pn	Sn
PTOM	Tomar	2.73	182	eSg	Sb	08 13 21.5	+1.4	PCVE	Castro Verde	4.71	178	ePn	Pn	08 13 07.4	-1.1	YARA	0.3nm,1.1s,SNR=7.9	5.26	84	Pn	Sn
EPLA	Plasencia	2.82	143	Pn	Pn	08 12 43.1	+0.6	PCVE	Castro Verde	4.71	178	ePn	Pn	08 13 07.4	-1.1	SJPF	1.9nm,0.2s	5.26	79	Pn	Pn
EPLA	6.6nm,0.1s,SNR=18							PCVE	18nm,0.9s			Lg	Lg	08 14 20.6		SJPF	2.9nm,0.3s	5.26	79	eP	Pn
EPLA	4.9nm,0.1s,SNR=7.9							PCVE	18nm,0.9s			Lg	Lg	08 14 20.6		SJPF	1.4nm,0.3s	5.26	79	Pn	Pn
EPLA	2.8nm,0.2s,SNR=5.6							PCVE	18nm,0.9s			Lg	Lg	08 14 20.6		SJPF	1.4nm,0.3s	5.26	79	Pn	Pn
EPLA	36nm,0.2s,SNR=5.0							PCVE	18nm,0.9s			Lg	Lg	08 14 20.6		SJPF	1.4nm,0.3s	5.26	79	Pn	Pn
EPLA	Plasencia	2.82	143	Pn	Pn	08 12 43.1	+0.6	EMIN	Mina Concepcio	4.74	164	Pn	Pn	08 13 08.4	-0.4	SJPF	1.4nm,0.3s	5.26	79	Pn	Pn
PMRV	Marv???	2.99	166	ePn	Pn	08 12 44.5	-0.4	EMIN	2.9nm,0.3s,SNR=7.9			Lg	Lg	08 13 59.6	-3.2	SJPF	0.9nm,0.2s	5.64	80	Pn	Pn
PMRV	Marv???	2.99	166	ePn	Pn	08 12 44.5	-0.4	EMIN	30nm,0.4s,SNR=5.0			Lg	Lg	08 14 23.9		ATE	0.4nm,0.1s,SNR=4.0	5.64	80	Pn	Pn
PMRV	Marv???	2.99	166	eSg	Sb	08 13 31.3	+3.4	EMIN	2.9nm,0.3s,SNR=7.9			Lg	Lg	08 13 59.6	-3.2	ATE	0.4nm,0.1s,SNR=4.0	5.64	80	Pn	Pn
PMRV	Marv???	2.99	166	ePn	Pn	08 12 44.5	-0.4	EMIN	30nm,0.4s,SNR=5.0			Lg	Lg	08 14 23.9		ETSF	4.6nm,0.3s	5.73	82	ePn	Pn
PMRV	Marv???	2.99	166	eSg	Sb	08 13 31.3	+3.4	EMIN	2.9nm,0.3s,SNR=7.9			Lg	Lg	08 13 59.6	-3.2	ETSF	4.6nm,0.3s	5.73	82	Pn	Pn
ALMR	Almeirim	3.19	184	eP	Pn	08 12 46.8	-0.8	ECAB	Ei Cabril	4.80	152	Pn	Pn	08 13 09.8	+0.1	ETSF	2.3nm,0.3s	5.73	82	Pn	Pn
ALMR	Almeirim	3.19	184	eP	Pn	08 12 46.8	-0.8	ECAB	1.3nm,0.4s,SNR=12			Lg	Lg	08 14 26.4		ETSF	1.2nm,0.2s,SNR=7.9	5.86	93	Pn	Pn
ALMR	Almeirim	3.19	184	eP	Pn	08 12 46.8	-0.8	ECAB	40nm,0.5s,SNR=9.9			Lg	Lg	08 14 26.4		ESAC	52nm,4.3s,SNR=7.9	5.86	93	Pn	Pn
PMTG	Montargil	3.27	179	ePn	Pn	08 12 47.5	-1.2	ECAB	1.3nm,0.4s,SNR=12			Lg	Lg	08 14 26.4		ESAC	1.2nm,0.2s,SNR=7.9	5.86	93	Pn	Pn
PMTG	Montargil	3.27	179	eSg	Sb	08 13 38.5	+2.6	ECAB	40nm,0.5s,SNR=9.9			Lg	Lg	08 14 26.4		ESAC	52nm,4.3s,SNR=7.9	5.86	93	Pn	Pn
PMTG	Montargil	3.27	179	ePn	Pn	08 12 47.5	-1.2	ECAB	1.3nm,0.4s,SNR=12			Lg	Lg	08 14 26.4		ESAC	1.2nm,0.2s,SNR=7.9	5.86	93	Pn	Pn
PMAFR	Mafrá	3.47	193	ePn	Pn	08 12 50.4	-1.0	ECAB	40nm,0.5s,SNR=9.9			Lg	Lg	08 14 26.4		ESAC	52nm,4.3s,SNR=7.9	5.86	93	Pn	Pn
PMAFR	Mafrá	3.47	193	eSg	Sb	08 13 44.3	+2.8	ECAB	1.3nm,0.4s,SNR=12			Lg	Lg	08 14 26.4		ESAC	1.2nm,0.2s,SNR=7.9	5.86	93	Pn	Pn
PMAFR	Mafrá	3.47	193	ePn	Pn	08 12 50.4	-1.0	ECAB	40nm,0.5s,SNR=9.9			Lg	Lg	08 14 26.4		ESAC	52nm,4.3s,SNR=7.9	5.86	93	Pn	Pn
PMAFR	Mafrá	3.47	193	eSg	Sb	08 13 44.3	+2.8	ECAB	1.3nm,0.4s,SNR=12			Lg	Lg	08 14 26.4		ESAC	1.2nm,0.2s,SNR=7.9	5.86	93	Pn	Pn
PMAFR	Mafrá	3.47	193	ePn	Pn	08 12 50.4	-1.0	ECAB	40nm,0.5s,SNR=9.9			Lg	Lg	08 14 26.4		ESAC	52nm,4.3s,SNR=7.9	5.86	93	Pn	Pn
PMAFR	Mafrá	3.47	193	eSg	Sb	08 13 44.3	+2.8	ECAB	1.3nm,0.4s,SNR=12			Lg	Lg	08 14 26.4		ESAC	1.2nm,0.2s,SNR=7.9	5.86	93	Pn	Pn
PESTR	Estremoz	3.51	171	ePn	Pn	08 12 51.2	-0.8	EGRO	Ei Granado	4.84	172	Pn	Pn	08 13 09.5	-0.8	EMOS	2.3nm,0.2s,SNR=7.9	6.21	106	Pn	Pn
PESTR	Estremoz	3.51	171	eSg	Sb	08 13 29.6	-3.1	EGRO	0.5nm,0.2s,SNR=12			Lg	Lg	08 14 01.5	-4.0	EMOS	0.8nm,0.1s,SNR=7.1	6.21	106	Pn	Pn
PESTR	Estremoz	3.51	171	ePn	Pn	08 12 51.2	-0.8	EGRO	2.3nm,0.3s,SNR=7.9			Lg	Lg	08 14 26.9		EMOS	2.3nm,0.2s,SNR=7.9	6.21	106	Pn	Pn
PESTR	Estremoz	3.51	171	eSg	Sb	08 13 29.6	-3.1	EGRO	0.5nm,0.2s,SNR=12			Lg	Lg	08 14 01.5	-4.0	EMOS	0.8nm,0.1s,SNR=7.1	6.21	106	Pn	Pn
PESTR	Estremoz	3.51	171	ePn	Pn	08 12 51.2	-0.8	EGRO	2.3nm,0.3s,SNR=7.9			Lg	Lg	08 14 26.9		EMOS	2.3nm,0.2s,SNR=7.9	6.21	106	Pn	Pn
PESTR	Estremoz	3.51	171	eSg	Sb	08 13 29.6	-3.1	EGRO	0.5nm,0.2s,SNR=12			Lg	Lg	08 14 01.5	-4.0	EMOS	0.8nm,0.1s,SNR=7.1	6.21	106	Pn	Pn
GUD	Guadarama	3.54	117	Pn	Pn	08 12 54.4	+1.8	EGRO	2.3nm,0.3s,SNR=7.9			Lg	Lg	08 14 26.9		ECHI	0.8nm,0.1s,SNR=7.1	6.28	84	Sn	Sn
GUD	Guadarama	3.54	117	Pn	Pn	08 12 54.4	+1.8	EGRO	0.5nm,0.2s,SNR=12			Lg	Lg	08 13 09.5	-0.8	ECHI	1.7nm,0.1s,SNR=7.9	6.33	123	Pn	Pn
GUD	Guadarama	3.54	117	Pn	Pn	08 12 54.4	+1.8	EGRO	2.3nm,0.3s,SNR=7.9			Lg	Lg	08 14 26.9		ETOB	2.7nm,0.2s,SNR=12	6.33	123	Pn	Pn
GUD	Guadarama	3.54	117	Pn	Pn	08 12 54.4	+1.8	EGRO	0.5nm,0.2s,SNR=12			Lg	Lg	08 13 09.5	-0.8	ETOB	0.1nm,0.2s,SNR=7.9	6.33	123	Pn	Pn
GUD	Guadarama	3.54	117	Pn	Pn	08 12 54.4	+1.8	EGRO	2.3nm,0.3s,SNR=7.9			Lg	Lg	08 14 26.9		ETOB	0.1nm,0.2s,SNR=7.9	6.33	123	Pn	Pn
GUD	Guadarama	3.54	117	Pn	Pn	08 12 54.4	+1.8	EGRO	0.5nm,0.2s,SNR=12			Lg	Lg	08 13 09.5	-0.8	ETOB	0.1nm,0.2s,SNR=7.9	6.33	123	Pn	Pn
PMST	Lisbon-Monsan	3.67	191	ePn	Pn	08 12 53.3	-0.8	ETOR	Torete	4.92	106	Pn	Pn	08 13 12.7	+1.3	ETOB	80nm,1.1s,SNR=6.0	6.33	123	Pn	Pn
PMST	Lisbon-Monsan	3.67	191	eSg	Sb	08 13 53.3	+0.8	ETOR	1.1nm,0.2s,SNR=7.2			Lg	Lg	08 14 34.1		ETOB	2.7nm,0.2s,SNR=12	6.33	123	Pn	Pn
PMST	Lisbon-Monsan	3.67	191	ePn	Pn	08 12 53.3	-0.8	ETOR	4.1nm,0.2s,SNR=5.5			Lg	Lg	08 14 34.1		ETOB	80nm,1.1s,SNR=6.0	6.33	123	Pn	Pn
PMST	Lisbon-Monsan	3.67	191	eSg	Sb	08 13 53.3	+0.8	ETOR	1.1nm,0.2s,SNR=7.2			Lg	Lg	08 14 34.1		ETOB	2.7nm,0.2s,SNR=12	6.33	123	Pn	Pn
LIS	Lisbon	3.68	190	ePn	Pn	08 12 53.9	-0.4	ETOR	4.1nm,0.2s,SNR=5.5			Lg	Lg	08 14 34.1		EMIJ	0.4nm,0.2s,SNR=7.9	6.38	154	Pn	Pn
LIS	Lisbon	3.68	190	ePn	Pn	08 12 53.9	-0.4	ETOR	1.1nm,0.2s,SNR=7.2			Lg	Lg	08 14 34.1		EMIJ	0.4nm,0.2s,SNR=7.9	6.38	154	Pn	Pn
LIS	Lisbon	3.68	190	ePn	Pn	08 12 53.9	-0.4	ETOR	4.1nm,0.2s,SNR=5.5			Lg	Lg	08 14 34.1		EMIJ	0.4nm,0.2s,SNR=7.9	6.38	154	Pn	Pn
LIS	Lisbon	3.68	190	ePn	Pn	08 12 53.9	-0.4	ETOR	1.1nm,0.2s,SNR=7.2			Lg	Lg	08 14 34.1		EMIJ	0.4nm,0.2s,SNR=7.9	6.38			

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like CFON Fontmartina, FLN La Foliniere, LDF La Druitiere, etc.

SOME 26 08:12:29.5, 44.72N:82.37E, h30km
NNC 26 08:12:33.2, 5.44:77N:81.73E, h0km, mb3.5, mpv3.0,
Error ellipse: s-maj=50.0km s-min=9.4km az=118.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like KTMS Ketmen, DJR Jarcent, KAPS Kaparasan, etc.

ISCJB 26 08:16:57.0, 3.5:53S:0:06:68:59E:0:05, h13km,
mb4.3/31, MS4.0/24, Error ellipse: s-maj=9.3km
s-min=7.8km az=9.3

ICD 26 08:16:57.1, 0.6:52S:68:56E, h0km, mb4.0/16,
mb1.4/116, mb1mx4.0/48, mbtmp4.0/16, MS4.0/25,
MS1.4/0/25, ms1mx4.0/31, Error ellipse: s-maj=18.1km
s-min=15.9km az=162.0

NEIC 26 08:16:58.0, 0.3:57S:68:54E, h10km, mb4.6/16, Error
ellipse: s-maj=8.6km s-min=7.8km az=204.0

GCMT 26 08:16:58.0, 0.2:57S:68:55E, h13km, MW4.9/94,
Moment Tensor Solution. s22,c25; s94,c131; Duration:
0 Moment tensor: Scale 10^16Nm; Mr-0.03e10;
Mw=2.74e10; Mw=2.77e10; Mw=0.13e22; Mw=0.57e09;
Mw=0.93e28; Best double couple: M2.95600e10^16
NFI=220.00000, s82.00000, A.15.00000, mpv3.5,
q=128.00000, s75.00000, A.172.00000, Principal axes:
T 3.0930, Plg16.0000, Azm65.0000, N -0.2790,
Plg73.0000, Azm247.0000, P -2.8180, Plg5.0000,
Azm353.0000; nstai refers to body waves, cutoff=40s.
nstaz refers to surface waves, cutoff=50s.

ISC 26 08:16:59.0, 0.4:53S:0:09:68:63E:0:07, h13km, n74,
a1848/57, mb4.3/31, MS4.1/24, Chagos Archipelago
region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like H08N3 Diego Garcia H, H08N2 Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like MATP Matopo, GEYT Alibek, BOSA Bobo, etc.

NNC 26 08:24:22.6, 19.0:37.59N:70:18E, h0km, mb3.9, mpv3.5,
Error ellipse: s-maj=146.5km s-min=106.6km az=11.0

KRNET 26 08:25:18.7, 0.1:40:30N:70:81E, mb2.7,
ISC 26 08:25:05.2, 5.5:39.5N:0:21:70E:0:1, h10km, n8,
a1571/12, 12C, Tajikistan
region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like BTK Batken, BTK Batken, SFK Sufi-Kurgan, etc.

ICD 26 08:25:39.8, 3.7:173S:176:06W, h0km, mb4.2/5,
mb1.4/3.5, mb1mx3.9/34, mbtmp4.2/5, Error ellipse:
s-maj=141.7km s-min=66.7km az=162.0, Fiji Islands
region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes station CTA Charters Tower.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, WRA Warrungama Arr, etc.

DJA 26 08:33:25.7, 2.8:13S:3:12:00E:1, h24km, 27km, M3.7/77,
MLV3.7/77, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like MPST Mapaga, APST Ampana, etc.

ISCJB 26 09:01:23.2, 0.9:56:8N:0:2:33:8W:0:2, h13km, mb3.5/7,
Error ellipse: s-maj=33.7km s-min=15.7km az=9.0

ICD 26 09:01:23.2, 1.0:56:84N:33:81W, h0km, mb3.5/7,
mb1.3/7.7, mb1mx3.5/40, mbtmp3.5/7, Error ellipse:
s-maj=38.5km s-min=19.4km az=66.0

ISC 26 09:01:25.0, 0.9:56:8N:0:2:33:8W:0:1, h13km, n8, a096/6,
mb3.6/7, Reykjanes Ridge

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like AKASG Malin Arr, BRTR Keskin Arr, etc.

CSEM 26 09:09:27.4, 0.8:51:80N:16:15E, h1km, ML3.1/5, Error
ellipse: s-maj=11.5km s-min=6.9km az=21.0, Poland

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like KSP Ksiaz, KSP Ksiaz, etc.

JMA 26 09:09:36.8, 0.2:38:04N:144:47E, h38km, M3.5, Off east
coast of Honshu

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like OFUJ Ofunato, OFUJ Ouri, etc.

HLW 26 09:10:15.1, 34:47N:32:02E, h30km, 14km, M3.4









Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like BBOD La Paz, BBOB La Paz, LPAZ La Paz, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like STKA Stephens Creek, WRA Warrungarra Arr, etc.

NIED 26 12:37:00, 37.30N, 141.70E, h8km, Mw3.5 Best double couple: M2.050000+10P1.3551, 0.00000, 842.00000, lambda=71.00000, NP2=205.00000, delta=1.00000, lambda=107.00000

ISCJ 26 12:37:29.2, 37.41N, 141.88E, h0km, mb3.4/3, mb1 3.5/5, mb2 3.3/3, mbtmp 3.5/5, ML2.4/2, Error ellipse: s-maj=42.2km s-min=29.7km az=72.0

ISCJ 26 12:37:31.1, 37.30N, 141.75E, h0.7km, mb3.3/3, Error ellipse: s-maj=9.3km s-min=5.2km az=10.5

JMA 26 12:37:32.8, 0.1, 37.32N, 141.67E, h28km, mb3.5, ISCJ 26 12:37:29.5, 1.9, 37.35N, 141.78E, h0.7km, mb3.3, n22, c151/27, mb3.5/3, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like JFK Kawachi, ONAJ Iwakimizuishi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like H11S1 WAKE ISLAND Hy 28.79 124 T, H11S3 WAKE ISLAND Hy 28.79 124 T, etc.

IDC 26 12:53:12.2, 0.8, 8.51S, 124.84E, h0km, mb3.9/10, mb1 4.1/12, mb2 1mx3.9/3.3, mbtmp4.0/12, ML4.4/2, MS3.5/8, Ms1 3.5/8, ms1mx3.2/2.6, Error ellipse: s-maj=39.7km s-min=17.0km az=61.0

ISCJ 26 12:53:14.8, 0.3, 8.63S, 0.03s, 125.03E, 0.04, h24km, mb4.3/13, MS3.6/6, Error ellipse: s-maj=6.1km s-min=4.2km az=144.2

DJA 26 12:53:17.6, 0.4, 9.5S, 124.5E, h10km, M4.7/15, mb5.0/14, mb5.2/11, MLV.7/15, Mw(mB)4.5/11

NEIC 26 12:53:19.3, 0.5, 8.63S, 124.92E, h56km, mb4.3/2, Error ellipse: s-maj=6.4km s-min=5.0km az=224.0

NEIC Felt (I) on Pulau Arrau, ISC 26 12:53:16.2, 0.5, 8.63S, 0.05s, 125.01E, 0.05, h24km, n61, c231/64, mb4.1/13, MS3.6/6, Timor region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like SOEI Soe, SOEI Soe, MMRI Maumere, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like AAI Ambon, SAUI Saumlaki, BNSI Bone, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like SPSI Sidrap Palu, PLAI Plampang, MTN Mantong Dam, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like LUWI Luwuk, LBMI Labuha, AFSI Ampana, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like WRA Warrungarra Arr, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like MRSI Marisa, MFSI Mappaga, GSBI GSB, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like ASO1 Alice Springs, CTA Charters Tower, CTAO Charters Tower, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like NWAO Narraginn (SRO), STKA Stephens Creek, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like GSI Gunungsitoli, GUMO Guam, GUMO Guam, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like CMAR Chian Mai Arr, MJAR Matsushiro Arr, HHC Huo-hao-te, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like HHC comp=2.14nm, 1.0s, SONM Songoing Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like MK01 Makanchi Array, MK01 Makanchi Array, MK01 Makanchi Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like ZALV Zalesovo Beam, ZALV Vanda, KURBB Kurchatov Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like KURK Kurchatov, MAW Maxwell, AKTO Aktyubinsk, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like KMBO Kilima Mbogo, TORD Tori Arr, WMOK Wichita Mountain, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like VMUR Van-Muradiye, VMUR Van-Muradiye, VMUR Van-Muradiye, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like ERVC ERICIS-VAN, ERVC ERICIS-VAN, ERVC ERICIS-VAN, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like GEVA Gevas, GEVA Gevas, GEVA Gevas, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like CLDR Caldiran, CLDR Caldiran, CLDR Caldiran, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like ADCV BITLIS Adilcev, ADCV BITLIS Adilcev, TUTA Tutak, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like DYDN Diyadin, DYDN Diyadin, DYDN Diyadin, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like AGRB Hanur-Agry, AGRB Hanur-Agry, AGRB Hanur-Agry, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like HAKT HAKKARI, HAKT HAKKARI, HAKT HAKKARI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like EKAR Karacoban, EKAR Karacoban, EKAR Karacoban, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like EATA Eleskirt, EATA Eleskirt, EATA Eleskirt, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like SRTM Siirt\_Merkez, SRTM Siirt\_Merkez, SRTM Siirt\_Merkez, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like CUKT Cukurca, CUKT Cukurca, VRTB Varto-Mus, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like WRA Warrungarra Arr, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like MKAR Matsushiro Arr, MKAR Matsushiro Arr, MKAR Matsushiro Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like AFI Afiamala, AFI Afiamala, AFI Afiamala, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like MSFV Monsavu, RAR Rarotonga, RAR Rarotonga, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s ISC. Includes stations like DZM Mont Dzumac, DZM Mont Dzumac, DZM Mont Dzumac, etc.



Table with columns: INK, LR, LR, 14 32 19.7, comp=Z,38nm,19.9s,57.166,slow=37, WRA Warramunga Arr 57.26 186 P, 14 08 45.5 -0.8, TXAR Lajitas Arr 50.53 9 P, 14 11 58.7 +0.4

IDC 26 14:02:56.24.9, 17.24N:146.68E, h0km, mb4.0/6, mb1 4.0/6, mb1mx3.6/45, mbtmp4.0/6, Error ellipse: s-maj=226.8km s-min=99.8km az=43.0, ISCJB 26 14:02:58.71.7, 16.5N:0.1:145.9E:0.4, h35km, mb4.1/8, Error ellipse: s-maj=56.1km s-min=17.3km az=174.9, NEIC 26 14:03:04.14.1, 3.61S:145.38E, h35km, mb4.1/1, Error ellipse: s-maj=45.5km s-min=14.6km az=86.0, ISC 26 14:03:00.3.1.9, 16.5N:0.1:146.0E:0.4, h35km, n11, c080/11, mb4.0/6, Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, KSRS Korea Array 26.25 326 P, 14 08 31.2 -0.9, KSAR Wonju Array Be 26.26 312 P, 14 08 31.2 -0.9, LUWI Luwuk 28.80 235 eP, 14 08 55.1 -0.2, COEN Coen 30.41 185 P, 14 09 09.4 -0.2, SONM Songino Array 34.02 323 P, 14 11 12.6 0.0, ZALV Zalesovo Beam 59.91 323 P, 14 13 02.0 -0.7, MKAR Makanchi Array 60.17 315 P, 14 13 06.0 +1.3, BVAR Borovoye Array 68.33 321 P, 14 13 58.2 +0.2, ABKAR Akbulak array 75.12 317 eP, 14 14 39.3 +0.5, AKTO Aktyubinsk 76.17 319 P, 14 14 45.6 +0.7, FINES FINES Array B 88.97 335 P, 14 15 51.0 -0.2

IDC 26 14:06:44.14.0, 7.41S:128.35E, h114km,39km, mb3.7/9, mb1 3.7/11, mb1mx3.6/30, mbtmp4.1/11, Error ellipse: s-maj=31.5km s-min=16.2km az=65.0, ISCJB 26 14:06:45.20.0.6, 7.62S:0.05:128.2E:0.1, h151km, mb3.8/9, Error ellipse: s-maj=18.7km s-min=7.0km az=171.3, ISC 26 14:06:46.9.0.6, 7.68S:0.07:128.3E:0.1, h151km, n15, c25/17, mb3.8/9, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, FITZ Fitzroy Crossi 10.69 194 P, 14 09 17.1 +1.0, FITZ 0.5nm,0.3s,baz=17,slow=9.2,SNR=14, WRA Warramunga Arr 13.51 155 P, 14 09 51.6 -1.1, ASAR Alice Springs 16.77 162 P, 14 10 35.1 +2.0, ASAR 0.8nm,0.3s,baz=334,slow=10.1,SNR=71, CTA Charters Tower 21.30 127 P, 14 11 24.6 +2.8, STKA Stephens Creek 27.06 155 P, 14 12 17.8 +2.5, CMAR Chiang Mai Arr 38.93 312 P, 14 13 57.5 -0.8, MJAR Matsushiro Arr 44.95 11 P, 14 14 44.1 -2.8, USRK Ussuriysk Arr 51.74 3 P, 14 15 38.2 -0.5, SONM Songino Array 58.58 343 P, 14 16 28.2 +0.3, PETK Petropavlovsk 65.49 19 P, 14 17 13.4 +0.3, MKAR Makanchi Array 60.17 328 P, 14 17 29.7 +0.5, ZALV Zalesovo Beam 71.47 335 P, 14 17 50.0 -0.8, TXAR Lajitas Arr 76.59 155 PKP, 14 25 34.3 +1.1, TORD Torodi Arr 127.31 21 PKP, 14 25 35.4 +0.8, LPAZ La Paz 151.15 146 PKPbc, 14 26 26.1 +2.0

NIED 26 14:34:00.40.10N:142.20E, h0km, Mw3.7, Best double couple: M=3.76000x10^14 NP1=138.00000, 845.00000, lambda=15.00000, NP2=238.00000, 880.00000, lambda=134.00000, ISCJB 26 14:34:32.9.0.8, 40.05N:0.04:142.12E:0.10, h60km,5km, mb3.5/5, Error ellipse: s-maj=12.4km s-min=6.0km az=0.1, JMA 26 14:34:33.8.0.1, 40.10N:142.14E, h46km,1km, M3.8, JMA Feil II, J, IDC 26 14:34:34.3.2.1, 39.97N:142.39E, h76km,19km, mb3.4/5, s-maj=45.7km s-min=12.3km az=98.0, ISC 26 14:34:33.7.1.1, 40.07N:0.04:142.08E:0.09, h50km,7km, n23, c1536/27, mb3.6/5, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, JTH Tanohata 0.21 233 P, 14 34 42.4 +0.3, MIYJ Miyakonagasawa 0.53 203 P, 14 34 45.7 +0.4, MIYJ 14 34 53.9 +0.3, JANG Nango 0.53 305 P, 14 34 55.4 +0.3, JKMZ Kuzumaki 0.58 262 P, 14 34 58.0 +0.9, JOKJ Ohasama 0.85 226 P, 14 34 50.1 +0.7, JOM 14 35 02.2 +1.3, JTM 14 35 52.4 +0.2, JAH Hinai 1.12 277 P, 14 34 53.8 +0.8, JAH 14 35 08.4 +1.1, JMK Ichinoseki 1.30 211 P, 14 34 56.3 +0.9, JMK 14 35 13.0 +1.3, JRG Rokugo 1.30 240 P, 14 34 56.5 +1.0, ASHJ Asahikawa 4.06 5 P, 14 35 33.9 +0.6, ASAJ 14 36 23.4 +3.9, MJAR Matsushiro Arr 4.66 22 P, 14 35 44.5 +3.1, JHJ Hachioji jima 2 7.18 19 P, 14 36 16.6 +0.6, JHJ 14 37 35.5 -0.7, SONM Songino Array 26.65 299 P, 14 40 07.3 -0.4, H1N2 WAKE ISLAND Hy 29.39 126 T, 15 11 16.3, H1N1 WAKE ISLAND Hy 29.39 126 T, 15 11 17.1, H1N3 WAKE ISLAND Hy 29.40 126 T, 15 11 20.9, H1S1 WAKE ISLAND Hy 30.19 128 T, 15 12 21.3, H1S3 WAKE ISLAND Hy 30.20 128 T, 15 12 16.8, H1S2 WAKE ISLAND Hy 31 128 T, 15 12 25.7, ZALV Zalesovo Beam 42.52 310 P, 14 15 02.0 +0.1, MKAR Makanchi Array 43.02 300 P, 14 42 28.1 0.0, WRA Warramunga Arr 60.13 188 P, 14 44 33.3 -2.7, FINES FINES Array B 66.38 332 P, 14 45 16.6 -0.3

ISCJB 26 14:34:42.8.1.5, 38.55N:0.07:43.78E:0.09, h13km, Error ellipse: s-maj=12.8km s-min=4.8km az=43.6, CSEM 26 14:34:42.6.0.7, 38.56N:43.65E, h30km, MD2.4, Error

ellipse: s-maj=21.4km s-min=7.4km az=126.0, ISK 26 14:34:43.4, 38.71N:43.56E, h20km, MD2.4, DDA 26 14:34:45.3, 38.68N:43.25E, h7km, MI2.7, ISC 26 14:34:42.5.1.2, 38.68N:0.06:43.63E:0.08, h13km, n15, c15/28, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, VANB Van 0.20 246 eP, 14 34 43.5 +1.4, VANB 14 34 53.4 +1.5, VANB 14 34 49.6 +1.4, VANB 14 34 53.4 +1.5, VANB 14 34 50.2 +1.6, TVAN 14 34 52.6 -0.1, TVAN 14 34 52.6 -0.1, TVAN 14 34 52.6 -0.1, VMUR Van-Muradiye 0.32 352 iP, 14 34 57.7 +0.7, VMUR 14 34 59.2 -0.4, VMUR 14 34 59.2 -0.4, CLDR Caldiran 0.52 26 eS, 14 35 01.9 +0.8, CLDR 14 35 46.0 +0.1, CLDR 14 35 01.4 +0.2, CLDR 14 34 54.8 +0.8, CLDR 14 35 01.4 +0.2, CLDR 14 35 02.0 +0.8, CLDR 14 35 02.0 +0.8, GEVA Gevas 0.58 231 iP, 14 34 53.5 -0.3, GEVA 14 34 53.5 -0.3, GEVA 14 34 53.5 -0.3, TUTA Tutak 0.96 319 iP, 14 35 06.8 +4.9, AGRB Hanur-Agry 1.02 331 eP, 14 35 02.8 0.0, AGRB 14 35 16.1 -1.0, AGRB 14 35 02.8 0.0, AGRB 14 35 16.1 -1.0

ISK 26 14:52:35.0, 38.97N:43.67E, h2km, MD2.5, ATA 26 14:52:35.8.0.6, 38.97N:43.56E, h10km,242km, MD3.1, ML3.1, MW2.9, ISCJB 26 14:52:36.9.0.6, 38.97N:0.03:43.61E:0.05, h14km,4km, Error ellipse: s-maj=6.3km s-min=4.7km az=27.2, DDA 26 14:52:36.6, 38.99N:43.53E, h10km, MI2.8, CSEM 26 14:52:36.0.3, 39.00N:43.64E, h10km, ML2.8, Error ellipse: s-maj=7.3km s-min=6.4km az=114.0, ISC 26 14:52:36.1.0.9, 38.98N:0.03:43.63E:0.10, h12km,5km, n25, c073/39, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, VMUR Van-Muradiye 0.05 288 iP, 14 52 38.3 -0.4, VMUR 14 52 40.3 -0.3, VMUR 14 52 38.3 -0.4, VMUR 14 52 40.3 -0.3, ERVU ERICIS-VAN 0.23 281 eP, 14 52 40.8 -0.3, ERVU 14 52 46.5 +1.9, ERVU 14 52 40.8 -0.3, ERVU 14 52 46.5 +1.9, CLDR Caldiran 0.28 53 iP, 14 52 42.9 -0.4, CLDR 14 52 49.5 +1.5, CLDR 14 52 42.9 -0.4, CLDR 14 52 45.5 -0.1, VANB Van 0.42 206 eP, 14 52 45.5 -0.1, VANB 14 52 45.5 -0.1, TVAN Van 0.48 201 iP, 14 52 45.1 -0.5, TVAN 14 52 54.0 +0.3, TVAN 14 52 45.1 -0.5, TVAN 14 52 54.0 +0.3, DYDN Diyadin 0.57 5 eP, 14 52 48.0 -0.2, DYDN 14 52 56.6 +0.2, DYDN 14 52 59.4, ADVV BITLIS\_Adilcev 0.72 257 iP, 14 52 49.5 -0.7, ADVV 14 53 00.2 +0.5, ADVV 14 52 49.5 -0.7, ADVV 14 53 00.2 +0.5, TUTA Tutak 0.76 304 sS, 14 53 01.5 -0.5, TUTA 14 53 01.5 -0.5, TUTA 14 53 05.5, TUTA 14 53 05.5, TUTA 0.76 304 iP, 14 52 50.4 -0.6, TUTA 14 52 50.4 -0.6, TUTA 14 53 01.6 -0.3, TUTA 14 53 01.6 -0.3, AGRB Hanur-Agry 0.78 321 eP, 14 52 50.8 -0.5, AGRB 14 52 50.8 -0.5, AGRB 14 52 50.8 -0.5, AGRB 14 53 02.7 +0.6, TASA TASBURUN-IGDIR 1.11 25 eP, 14 52 57.0 -0.6, TASA 14 52 57.0 -0.6, WRVB Varto-Mus 1.70 277 eP, 14 53 07.8 +0.4, WRVB 14 53 07.8 +0.4, BING Bing 2.30 271 eP, 14 53 16.3 -1.3, BINT Bingol 2.45 269 eP, 14 53 16.3 +0.3

IDC 26 14:57:20.6.2.2, 37.93N:144.68E, h0km, mb3.5/2, mb1 3.7/5, mb1mx3.4/40, mbtmp3.75, ML3.6/3, MS2.7/3, Ms1 2.7/3, ms1mx2.6/27, Error ellipse: s-maj=51.0km s-min=21.4km az=86.0, ISCJB 26 14:57:24.1.0.9, 38.05N:0.05:144.25E:0.07, h33km, mb3.6/2, MS3.1/1, Error ellipse: s-maj=8.4km s-min=7.4km az=27.6, JMA 26 14:57:26.3.0.2, 38.17N:144.10E, h39km, M3.4, ISC 26 14:57:25.2.1.4, 38.07N:0.06:144.29E:0.10, h35km, n18, c1565/24, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, OFUJ Ofunato 2.29 297 Op, 14 58 04.0 0.0, JIO Ouri 2.34 280 P, 14 58 01.4 +0.2, JIO 14 58 26.9 -1.8, MIYJ Miyakonagasawa 2.45 309 P, 14 58 02.2 -0.4, MIYJ 14 58 29.3 -2.0, JMK Ichinoseki 2.56 291 eS, 14 58 02.9 +0.6, JOM Ohasama 2.73 302 P, 14 58 01.9 0.0, JANG Nango 3.15 318 P, 14 58 12.9 +0.6, JFT Otama 3.18 261 P, 14 58 14.5 +1.9, JFT 14 58 48.9 -0.4, JYK Kayabaya 3.20 287 P, 14 58 14.1 +1.2, JYK 14 58 49.8 0.0, JKB Kaneyabe 4.56 328 P, 14 58 33.1 +1.5, JCH Churui 4.60 351 P, 14 58 32.9 +0.8, JRY Ryogami san 4.77 246 P, 14 58 35.6 +1.0, MJAR Matsushiro Arr 5.08 254 P, 14 59 26.6 -2.6, MJAR 1.1nm,0.3s,baz=80,slow=27,SNR=11, MJAR 1.1nm,0.3s,baz=78,slow=24,SNR=1.9, MJAR comp=Z,26nm,19.6s,baz=15,slow=33,SNR=3, JHJ Hachioji jima 2 6.15 218 P, 14 58 53.3 -0.1, JHJ 4.3nm,0.3s,baz=45,slow=20,SNR=1.7, JHJ 14 59 58.1 -4.5, ASAJ 1.2nm,0.3s,baz=79,slow=16,SNR=2.3, ASAJ Asahikawa 6.18 349 P, 14 58 54.9 +1.0, ASAJ 1.8nm,0.3s,baz=210,slow=12,SNR=17, ASAJ 14 58 02.2 -1.0, KSRS Korea Array 12.97 272 LR, 15 05 09.1, PSRI Prapat 54.29 241 LR, 15 05 00.7, WRA Warramunga Arr 58.45 191 P, 15 07 17.9 +0.3, ASAR Alice Springs 62.18 191 P, 15 07 43.5 +0.5

IDC 26 15:00:02.9.0.0, 19.86N:144.21E, h0km, mb3.9/5, mb1 3.9/7, mb1mx3.5/41, mbtmp3.8/7, ML3.9/2, Error ellipse: s-maj=128.3km s-min=69.4km az=60.0, Mariana Islands, JMA Matsushiro Arr 17.44 344 P, 15 04 37.3 -0.3

Table with columns: JUNU Nakatsue 17.78 321 P, 15 04 13.8 +1.0, KSRS Korea Array 22.56 324 P, 15 05 05.1 +0.4, SONM Songino Array 41.37 321 P, 15 07 49.3 -1.5, ZALV Zalesovo Beam 56.25 322 P, 15 09 44.2 -0.7, MKAR Makanchi Array 56.65 313 P, 15 09 48.7 +0.7, FINES FINES Array B 85.35 335 P, 15 12 41.9 +0.7

PGC 26 15:03:52.4.1.3, 49.16N:129.74W, h10km, MLSN3.0/9, Mw3.6/3, 250km W of Pt Hardy, Bc Vancouver Island, Canada Region, Vancouver Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, EDB Eliza Dome 1.85 66 P, 15 04 21.9 -2.3, MAYB Maynard 2.08 52 P, 15 04 44.0 -3.6, PHC Port Hardy 2.15 43 P, 15 04 26.8 -1.7, WCSS Woss 2.29 63 P, 15 04 29.0 -1.3, TLOC Telegraph Cove 2.34 52 P, 15 04 29.3 -1.6, GDR Gold River 2.50 74 P, 15 04 31.6 -1.4, NCRB Newcastle Ridg 2.69 61 P, 15 04 34.7 -1.2, CBB Campbell River 2.98 71 P, 15 05 39.0 -0.6, B928 Bamfield 3.05 94 Sn, 15 05 13.1 -4.0, B926 Bella Bella 3.20 18 P, 15 04 41.4 -1.4, B926 Mesachie Lake 3.71 93 Sn, 15 05 49.6 -0.1, OFR Olym-F Res Ctr 3.75 107 P, 15 05 30.2 -3.2, LZB Mount Lazard 3.94 96 Sn, 15 05 36.1 -3.2, LLLB Lillooet 5.28 71 P, 15 05 11.7 +0.3

PRE 26 15:16:20.3.2.3, 26.86S:26.67E, h2km, ML3.7, South Africa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, WDLM Western Deep L 0.80 57 eP, 15 16 35.8 +0.2, WDLM 15 16 55.3 -0.4, WDLM 15 16 54.1, KLOF Kloof 0.98 59 eP, 15 16 38.4 -0.7, KLOF 15 16 52.0 +0.2, ERMP east rand prop 1.50 70 eP, 15 16 50.6 +1.6, ERMP 15 17 10.4 +1.8, ERMP 15 17 13.4, SEK Senekal 1.68 150 eP, 15 16 51.5 +0.5, SEK 15 17 14.0 +0.1, SEK 15 17 18.2, LBTB Lobatse 2.08 332 eP, 15 16 57.9 -1.0, LBTB 15 17 23.3 +0.4, LBTB 15 17 28.6, BOSA Boshof 2.15 215 eP, 15 16 59.6 -0.5, BOSA 15 17 34.1 -0.6, BOSA 15 17 39.9, KSD Kokstad 4.39 147 eP, 15 17 30.3 +2.2, KSD 15 18 19.0 -0.9, KSD 15 18 37.8, PKA Prieska 4.45 230 eP, 15 17 29.5 +0.6, PKA 15 18 19.9 -1.4, PKA 15 18 47.7, UPI Upington 5.04 251 eP, 15 17 38.1 +1.1, UPI 15 18 33.8 -2.0, UPI 15 19 03.7, GRM Grahamstown 6.43 181 eP, 15 17 55.4 -0.7, GRM 15 19 07.1 -3.0, GRM 15 19 44.3, CVNA Calvinia 7.60 231 eP, 15 18 13.3 +1.2, CVNA 15 18 55.4 -4.9, CVNA 15 20 20.6

IDC 26 15:23:11.0.1.6, 2.98N:128.30E, h0km, mb3.8/5, mb1 4.0/5, mb1mx3.6/34, mbtmp3.9/5, Error ellipse: s-maj=87.2km s-min=21.7km az=69.0, NEIC 26 15:23:12.5.1.0, 2.96N:128.27E, h10km, mb4.3/1, Error ellipse: s-maj=20.2km s-min=14.1km az=54.0, ISCJB 26 15:23:15.0.0.8, 2.92N:0.07:128.28E:0.05, h33km, mb3.8/6, Error ellipse: s-maj=9.5km s-min=7.8km az=167.7, DJA 26 15:23:18.9.0.8, 3.1N:6.12E, h10km, M4.3/7, mb4.4/7, mb4.8/4, MLV4.3/7, Mw(MB)0.9/14, ISC 26 15:23:17.0.1.2, 2.97N:0.09:128.29E:0.09, h35km, n26, c1945/23, mb4.0/6, 1C, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, SBGI Sangihe 2.85 285 P, 15 24 09.4 +0.4, LBMI Labuha 3.67 192 P, 15 24 10.3 +1.7, KMSI Cibinong 4.92 241 P, 15 24 20.0 +0.5, SANI Sanana 5.49 205 P, 15 24 37.4 +1.1, SANI 15 25 38.1 -0.2, CTBH Cotabato-PC H 5.84 317 iP, 15 24 42.9 +1.7, LUWI Luwuk 6.80 234 P, 15 24 55.5 +1.1, LUWI 15 25 10.5 -1.1, LUWI 15 24 52.1 -2.3, MRSI Marisa 6.81 249 P, 15 24 56.4 +1.9, MRSI 27nm,0.6s,473nm,1nm, 15 26 11.3 +0.4, FAKI Fak Fak 7.06 146 P, 15 25 01.7 +3.7, APSI Ampara 7.67 240 P, 15 25 07.2 +0.8, APSI 64nm,0.7s,827nm,0.3nm, 15 26 33.6 +1.4, MPSI Mapaga 8.78 253 P, 15 25 22.4 +0.8, TTSI Tana Toraja 10.96 235 P, 15 25 44.3 -0.1, SPSI Sidrap Palu 10.95 231 P, 15 25 51.7 +0.4, BNTI Bontone 10.97 228 P, 15 25 51.8 +0.2, FINZ Fitzroy Crossi 11.20 187 P, 15 27 57.5 -1.2, WRAB Tennant Creek 23.52 166 eP, 15 28 22.8 -1.4, WRA Warramunga Arr 23.53 166 P, 15 28 23.5 -0.7, ASAR Alice Springs 27.03 169 P, 15 28 54.9 -1.3, STKA Stephens Creek 36.89 161 P, 15 30 21.5 -0.9, H1S3 WAKE ISLAND Hy 40.63 65 T, 16 14 12.2, H1S2 WAKE ISLAND Hy 40.64 65 T, 16 14 17.9, H1S1 WAKE ISLAND Hy 40.64 65 T, 16 14 14.7, H1N1 WAKE ISLAND Hy 41.19 63 T, 16 14 55.4, H1N2 WAKE ISLAND Hy 41.20 63 T, 16 15 10.4, H1N3 WAKE ISLAND Hy 41.21 63 T, 16 15 09.0, MKAR Makanchi Array 59.07 325 P, 15 33 13.0 -0.8

AUST 26 15:30:20.1.0.1, 25.63S:138.57E, h10km, Error ellipse:



Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Paravola, Araxos, Rioliol of Patr, Kalavryta, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like NEO Neokhori, JAN Janina, MES2 Methoni, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like n21, r0544/33, Turkey, WRA Warramunga Arr, ASAR Alice Springs, etc.







IDC 26 19:14:33.0.1.4, 18.87N-108.01W, h0km, mb3.3/2, mb1 3.8/5, mb1mx3.6/2, mbtmp3.5/5, ML3.7/3, MS3.3/9, ms1 3.4/9, ms1mx3.2/16, Error ellipse: s-maj=33.7km, s-min=24.5km az=146.0  
 NEIC 26 19:14:39.6.1.4, 18.78N-107.55W, h46km, gkm, mb4.0/5.2, Error ellipse: s-maj=17.6km s-min=6.9km az=202.0  
 ISC 26 19:14:36.2.0.9, 18.63N-107.91W, 0.06, h35km, n99, e231/81, mb4.1/26, MS3.4/5, Off coast of Jalisco

Code	Station Name	A°	AZ°	Phase ID	Time	Res
H06E1	SOCORRO T-PHAS	2.86	273	Ph	19 15 17.2	-2.2
H06E1	SOCORRO T	2.89	272	Ph	19 15 19.6	+0.1
H06S1	SOCORRO T	2.89	272	Ph	19 15 50.7	-2.6
H06S1	SOCORRO T-PHAS	2.92	275	T	19 18 28.0	
H06N1	SOCORRO T-PHAS	2.92	275	T	19 18 27.1	
LP1G	La Paz	5.88	338	LR	19 17 47.1	
ZAIG	Zacatecas	6.48	50	Ph	19 16 07.3	-2.0
TIAG	Tiapa	8.99	95	Ph	19 16 43.5	+0.3
TX31	Lajitas Ar. Si	11.33	19	Ph	19 17 13.9	-1.8
TXAR	Lajitas Array	11.33	19	Ph	19 17 14.2	-1.5
TXAR	Lajitas Array	11.33	19	Ph	19 21 23.0	
CM1G	Marias Romero	12.50	95	Ph	19 17 32.7	+1.1
319A	Douglas	12.75	355	Ph	19 17 37.5	+2.4
TUC	Tucson	13.86	350	Ph	19 17 51.9	+1.6
JCT	Junction City	13.90	30	Ph	19 17 52.4	+1.6
113A	Mohawk Valley	15.03	341	Ph	19 18 13.2	+2.3
LENN	Lemitar	15.49	3	Ph	19 18 13.0	+0.8
BNM	Barren Site	15.50	4	Ph	19 18 14.4	+2.1
GLA	Glamis	15.64	338	Ph	19 18 16.4	+2.4
HKT	Hockley	15.74	42	Ph	19 18 14.9	-0.3
Y14A	Wickenburg	15.91	344	Ph	19 18 21.6	+0.8
X18A	Snowflake	15.94	354	Ph	19 18 19.2	+1.3
MSTX	Muleshoe	15.95	16	Ph	19 18 11.5	-6.6
Y12C	Blythe	16.17	340	Ph	19 18 23.4	-0.2
ANMO	Albuquerque	16.30	4	Ph	19 18 21.6	-0.9
ANMO	Albuquerque	16.30	4	Ph	19 23 19.3	
ANMO	Albuquerque	16.30	4	Ph	19 18 25.1	-0.2
HWB	Hans Werner Br	16.47	332	Ph	19 18 17.5	-7.1
HAY	Hayfield	16.54	337	Ph	19 21 23.6	-4.5
XPFO	Pierson Flat	16.76	335	Ph	19 18 33.4	+3.1
PFO	Pinyon Flats O	16.76	335	Ph	19 23 54.6	
PFO	Pinyon Flats O	16.76	335	Ph	19 18 33.8	+3.5
CRY	Cary Ranch	16.84	334	Ph	19 21 47.1	+2.0
WUAZ	Wupatki	17.09	350	Ph	19 18 30.4	+1.4
CHNC	Chino	17.61	332	Ph	19 18 32.5	-6.3
NATX	Nacogdoches	17.71	40	Ph	19 18 38.1	-2.0
BFSC	Mount Baldy Ra	17.81	333	Ph	19 18 35.5	-5.9
SBI	Santa Barbara	17.82	328	Ph	19 22 01.5	+2.5
MWC	Mount Wilson	17.97	332	Ph	19 18 46.5	+2.7
GSC	Goldstone, Bar	18.38	336	Ph	19 18 51.0	+2.6
MVCO	Mesa Verde	18.52	359	Ph	19 18 46.1	-3.7
TEIG	Tepech	18.59	82	Ph	19 18 47.2	-3.2
KNB	Kanal	18.82	348	Ph	19 18 56.3	+2.6
LCMT	Little Creek M	18.90	347	Ph	19 18 57.2	+2.5
SHPR	Sheep Range	18.91	342	Ph	19 18 56.3	+1.4
SDCO	Great Sand Dun	19.16	6	Ph	19 18 59.8	+1.9
CCUT	Cedar City	19.44	347	Ph	19 19 03.0	+1.7
DAC	Darwin (Calif)	19.54	336	Ph	19 19 01.6	+0.6
PNTR	Popohap Spring	19.66	340	Ph	19 19 05.3	+1.4
MTPU	Mount Pierson	19.69	350	Ph	19 19 07.2	+2.8
PV09	Paradox Valley	19.82	357	Ph	19 19 04.6	+0.4
WLAR	White Oak Lake	19.99	39	Ph	19 19 02.3	-3.4
MSU	Marysville	20.15	350	Ph	19 19 09.5	+1.8
Q16A	Castle Valley	20.41	353	Ph	19 19 12.0	+1.6
SMCO	Snowmass	20.49	2	Ph	19 19 13.2	+1.7
R11A	Troy Canyon, C	20.75	343	Ph	19 19 16.4	-0.3
TMUT	Trail Mountain	20.79	353	Ph	19 19 16.4	+1.7
P17A	Butcher Ranch,	20.91	354	Ph	19 19 17.6	+1.7
P18A	Preston Nutter	21.02	355	Ph	19 19 18.1	+0.9
W40A	Ferguson Farm,	21.10	36	Ph	19 19 15.6	-2.1
ISCO	Idaho Springs	21.19	5	Ph	19 19 18.5	-0.4
MDPB	Devils Postpil	21.30	335	Ph	19 19 22.3	+2.1
O20A	White River C	21.43	359	Ph	19 19 22.7	+3.3
SLD	San Luis Tam	21.77	330	Ph	19 19 24.6	-0.4
DUG	Dugway, Tooele	21.90	350	Ph	19 19 27.9	+1.5
JLU	Jordanelle	22.11	353	Ph	19 19 29.1	+0.4
CMB	Columbia Colle	22.19	333	Ph	19 19 32.5	+3.1
WAKR	Walker	22.20	335	Ph	19 19 32.5	+2.8
YERR	Yerington	22.54	336	Ph	19 19 36.1	+2.8
KSU1	Kansas State U	22.63	23	Ph	19 19 33.7	-0.4
PNTR	Pine Nut	22.77	336	Ph	19 19 38.4	+2.7
EMB	Emerald Bay	22.87	335	Ph	19 24 11.0	+1.0
BMN	Battle Mountai	23.16	342	Ph	19 19 42.3	+2.6
PAHR	Pah Rah Range	23.23	337	Ph	19 19 46.1	+5.8
HVU	Hansel Valley	23.44	351	Ph	19 19 43.8	+1.3
PBMO	Poplar Bluff	23.73	37	Ph	19 19 44.4	-0.7
ORV	Oroville	23.93	333	Ph	19 19 49.9	+2.9
PDAR	Pinedale Array	24.10	357	Ph	19 19 48.3	-0.5
HOPS	Hopland Field	24.18	330	Ph	19 19 52.2	+2.9
CCM	Cathedral Cave	24.21	34	Ph	19 19 49.6	0.0
FVM	French Village	24.59	35	Ph	19 19 52.4	-0.7
SNOW	Snow King Moun	24.87	355	Ph	19 19 56.8	+1.0
LOHW	Long Hollow	25.01	355	Ph	19 19 58.4	+1.4
FXWY	Fox Creek	25.07	355	Ph	19 19 58.1	+0.5
WVOR	Wild Horse Val	25.41	341	Ph	19 20 03.1	+2.5
LBFM	Black Fox Moun	25.60	335	Ph	19 20 03.2	+0.8
YBH	Yreka Blue Hor	26.26	334	LR	19 20 08.1	

TKL	Tuckaleechee C	27.25	47	LR	19 22 22.2	
GULW	Guler Mountain	29.48	340	pP	19 20 50.5	+3.4
YKA	Yellowknife Ar	44.06	356	LR	19 41 12.5	
RKT	Rikitea	49.20	214	ET	20 16 13.3	
LPAZ	La Paz	52.31	129	LR	19 42 46.5	
ILAR	Elsion Array	52.92	340	P	19 23 48.6	0.0
ILAR	Elsion Array	52.92	340	P	19 47 15.1	
PP2T	Papeete	54.53	231	eLR	19 39 49.2	
H11N3	WAKE ISLAND Hy	79.54	287	T	20 54 35.6	
H11N2	WAKE ISLAND Hy	79.55	287	T	20 54 35.6	
H11N1	WAKE ISLAND Hy	79.56	287	T	20 54 33.4	
H11S1	WAKE ISLAND Hy	80.06	286	T	20 55 42.9	
H11S2	WAKE ISLAND Hy	80.06	286	T	20 55 43.5	
H11S3	WAKE ISLAND Hy	80.08	286	T	20 55 45.2	
WRA	Warramunga Ar	121.54	258	PKP	19 33 28.5	+1.7
ASAR	Alice Springs	122.51	253	PKP	19 33 31.9	+3.2

ISCJB 26 19:14:47.6.0.6, 55.07S, 0.10:26.1W, 0.2, h10km, mb4.5/10, MS3.4/3, Error ellipse: s-maj=14.0km, s-min=13.1km az=169.8

IDC 26 19:14:48.3.0.8, 55.01S, 26:21W, h0km, mb4.2/6, mb1 4.2/7, mb1mx3.9/26, mbtmp4.1/7, ML3.5/1, MS3.4/3, ML1 3.4/3, ms1mx3.0/18, Error ellipse: s-maj=24.6km, s-min=22.9km az=76.0

NEIC 26 19:14:53.1.1.9, 55.12S, 26:13W, h37km, 18km, mb4.6/5, Error ellipse: s-maj=13.8km s-min=10.9km az=60.0

ISC 26 19:14:49.4.0.7, 55.15S, 1:26.33W, 0.08, h10km, n21, e187/20, mb4.9/19, MS3.4/3, 1D, South Sandwich Islands region

Code	Station Name	A°	AZ°	Phase ID	Time	Res
HOPE	Hope Point	5.95	273	Op	19 16 20.8	+3.4
HOPE	Hope Point	5.95	273	Op	19 17 20.2	-5.3
SNAAS	Sanae	19.47	158	Ph	19 19 17.5	+0.3
SNAAS	Sanae	19.47	158	Ph	19 19 14.4	-1.6
PMSA	Palmer Station	20.93	227	P	19 19 32.4	+0.6
PMSA	Palmer Station	20.93	227	P	19 26 13.1	
SYO	Syowa Base	32.06	142	Ph	19 21 20.8	+2.0
PLCA	Paso Flores	32.33	278	LR	19 34 52.3	
CPUP	Villa Florida	36.54	309	Ph	19 21 54.6	-0.4
CPUP	Villa Florida	36.54	309	Ph	19 21 54.9	-0.1
LVC	Limon Verde	45.24	298	Ph	19 23 08.0	+0.8
BOSA	Boshof	45.25	76	P	19 23 06.5	-0.5
BOSA	Boshof	45.25	76	P	19 37 54.3	
VNDA	Vanda	47.60	182	P	19 23 25.2	+0.6
VNDA	Vanda	47.60	182	P	19 23 24.2	-0.4
ASCN	Ascension	47.95	16	Ph	19 23 26.7	-1.3
LPAZ	La Paz	50.22	304	P	19 23 47.8	+1.6
LPAZ	La Paz	50.22	304	P	19 23 47.3	+1.2
TOAO	Torodi Ar. Sit	71.94	29	Ph	19 26 12.8	0.0
TORD	Torodi Ar. Bea	71.94	29	Ph	19 26 13.2	+0.4
TOAI	Torodi Ar. Sit	71.95	29	Ph	19 26 13.2	+0.3
ILAR	Elsion Array	149.81	313	PKPbc	19 34 38.2	+0.2
SONA	Songino Array	150.16	84	PKPbc	19 34 39.2	-0.4
SONM	Songino Array	150.16	84	PKPbc	19 34 39.2	-0.4

NSSC 26 19:22:20.6.1.0, 39.97N, 42.94E, h0km, 70km, ML3.4, ISN 26 19:22:23.3.1.0, 38.93N, 43.32E, h0km, 45km, ML3.4

AZER 26 19:22:30.0.1.0, 37.37N, 43.72E, h15km, Error ellipse: s-maj=16.0km s-min=8.6km az=111.0

ATA 26 19:22:32.0.1.0, 38.47N, 43.28E, h0km, 3km, MD4.2, ML4.8, MW4.4

DDA 26 19:22:32.8.38, 47N, 43.30E, h13km, M14.2, CSEM 26 19:22:33.7.0.1, 38.41N, 43.35E, h5km, mb4.4/7, Error ellipse: s-maj=4.1km s-min=3.3km az=163.0

NEIC 26 19:22:33.1.0.0, 38.47N, 43.35E, h5km, mb4.2/14, ML4.3(ISC), After ISC

ISC 26 19:22:33.1.0.0, 38.48N, 43.35E, h6km, ML4.1, IDC 26 19:22:33.7.0.8, 38.54N, 43.37E, h0km, mb3.8/10, mb1 3.8/16, mb1mx3.7/42, mbtmp3.7/16, ML3.6/5, MS3.4/14, ms1 3.4/14, ms1mx3.2/49, Error ellipse: s-maj=16.6km s-min=10.1km az=161.0

Code	Station Name	A°	AZ°	Phase ID	Time	Res
TVAN	Van	0.09	34	Op	19 22 35.5	+0.8
TVAN	Van	0.09	34	Op	19 22 35.5	+0.8
VANB	Van	0.15	15	Ph	19 22 36.5	-1.2
VANB	Van	0.15	15	Ph	19 22 35.1	-0.6
VANB	Van	0.15	15	Ph	19 22 36.5	-1.2
GEVA	Gevas	0.26	238	Ph	19 22 38.4	+0.6
GEVA	Gevas	0.26	238	Ph	19 22 45.0	+3.7
GEVA	Gevas	0.26	238	Ph	19 22 45.0	+3.7
GEVA	Gevas	0.26	238	Ph		

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like TBLG, BRDA, KBLA, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like ARR, AKASG, AKBS, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like ASAJ, KRSR, H1N2, etc.

NIED 26 19:37:00.39:10N,142:40E, h36km Mw3.7. Best double ...

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Code, Honshu, OFUJ, etc.



Table with columns: ID, Name, Location, Time, Res, ISC. Includes entries like H11N3 WAKE ISLAND Hy 43.13 229 T, H11N1 WAKE ISLAND Hy 43.13 229 T, SONA0 Songino Array 54.71 305 eP, etc.

ISCJB 26 20:59:42.7-0.4, 26:00S:0.03:138:52E:0.05, h10km, mb3.9/2, Error ellipse: s-maj=6.3km s-min=4.2km az=153.5

AUST 26:20:59:43.7-0.2, 26:01S:138:56E, h0km, Error ellipse: s-maj=0.5km s-min=0.2km az=342.0, IDC 26:20:59:43.8-1.3, 25:99S:138:59E, h0km, mb3.9/2, mb1 3.9/7, mb1mx3.7/23, mbtmp3.9/7, ML3.7/5, Error ellipse: s-maj=22.5km s-min=14.3km az=49.0

ISC 26:20:59:44.6-0.7, 25:99S:0.05:138:56E:0.05, h10km, n15, a1866/30, Queensland

Main table for station data with columns: Code, Station Name, Az, Z, Phase, ID, Op, Time, Res, ISC. Lists various stations like ASAR Alice Springs, ASAR 2.0nm, 0.3s, baz=120, slow=14, SNR=144, etc.

ISK 26 21:21:37.7, 38:71N:43:24E, h5km, ML3.2, CSEM 26 21:21:38.6-0.2, 38:69N:43:26E, h2km, ML3.2, Error ellipse: s-maj=4.6km s-min=3.7km az=103.0, DDA 26 21:21:38.0-1.1, 38:71N:43:21E, h2km, ML3.4, ATA 26 21:21:38.0-1.1, 38:71N:43:21E, h10km, 26km, MD3.2, ML3.8, MW3.6

ISC 26 21:21:39.3-1.0, 38:69N:0:02:43:25E:0:02, h19km, 2km, n83, r141/99, ID, Turkey

Main table for station data with columns: Code, Station Name, Az, Z, Phase, ID, Op, Time, Res, ISC. Lists stations like VANB Van, VANB 0.15 131 ePg, etc.

Main table for station data with columns: Code, Station Name, Az, Z, Phase, ID, Op, Time, Res, ISC. Lists stations like SRMT Siirt, Merkez, SRMT Siirt, Merkez, EATA Eleeskirt, etc.

IDC 26 21:23:09.3-3.0, 29:98S:177:16W, h0km, mb3.5/2, mb1 3.8/2, mb1mx3.5/37, mbtmp3.5/2, Error ellipse: s-maj=60.1km s-min=44.4km az=78.0, Kermadec Islands

Table for station data with columns: Code, Station Name, Az, Z, Phase, ID, Op, Time, Res, ISC. Lists stations like RAO Raoul Island, RAO 0.99 317 Pn, etc.

ISCJB 26 21:24:47.9-0.5, 23:23S:0:04:68:47W:0:05, h106km, 4km, mb4.4/13, Error ellipse: s-maj=8.5km s-min=6.6km az=151.0

NEIC 26 21:24:49.0-0.0, 23:21S:68:78W, h115km, mb4.5/39, After GUC.

NEIC Fell at Calama, GUC 26 21:24:49.0-0.6, 23:21S:68:78W, h115km, 5km, ML4.7, IDC 26 21:24:50.1-0.4, 23:13S:68:55W, h12km, 3km, mb4.2/12, mb1 4.2/16, mb1mx1.4/30, mbtmp4.5/16, MS3.0/3, MS1 3.0/3, ms1mx2.7/22, Error ellipse: s-maj=14.6km s-min=9.5km az=69.0

ISC 26 21:24:49.7-0.4, 23:24S:0:04:68:61W:0:05, h112km, 3km, h12km:PKP-P, n100, r122/132, mb4.5/43, 4C-3D, Northern Chile

Main table for station data with columns: Code, Station Name, Az, Z, Phase, ID, Op, Time, Res, ISC. Lists stations like LVC Limon Verde, LVC 0.68 336 P, etc.

Main table for station data with columns: Code, Station Name, Az, Z, Phase, ID, Op, Time, Res, ISC. Lists stations like PLCA Paso Flores, PLCA 17.52 185 eP, etc.







Table with columns: Call Sign, Frequency, Power, Mode, Azimuth, Elevation, and other parameters. Includes stations like PSI Prapat, CTA Charters Tower, and various other frequencies.

Table with columns: Call Sign, Frequency, Power, Mode, Azimuth, Elevation, and other parameters. Includes stations like KMBO Kilima Mbogo, KBZ Khabaz, BOSA Bosa, and various other frequencies.

Table with columns: Call Sign, Frequency, Power, Mode, Azimuth, Elevation, and other parameters. Includes stations like VRTB Varto-Mus, VRTB Varto-Mus, and various other frequencies.





Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like TMCR, NORARS, and various ARU stations.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like ARU, EGAK, CLL, and various international stations.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like OKC, AKASG, MORC, and various international stations.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like PMR, MOA, CONA, RETA, SUTA, ARSA, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like VRI, PLO, LO, VOIR, MLR, ARR, ABKAR, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like PAB, PMRV, MAK, MAK, MAK, etc.









Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like NICHAWAK Mount Pleasant Camp, KAIM Kayak Island, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like H11S3 WAKE ISLAND Hy 28.46, H12V WAKE ISLAND Hy 28.42, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like CKHZ Black Stump Fm, BKZ Black Stump Fm, etc.

ISCJB 27 02:26:00.8-1.3, 35.86N, 141.120E, 0.06, h3km, 7km, mb4.0/16, Error ellipse: s-maj=7.8km s-min=6.4km az=172.8

NIED 27 02:26:00.35-90N, 141.20E, h5km, Mw3.9 Best double couple: M=6.84000, 1014 NP1.39, 93.00000, 543.00000, -1.78, 0.00000, NP2.3, 1.00000, 588.00000, -4.7, 0.00000

JMA 27 02:26:02.6-0.2, 35.80N, 141.19E, h18km, 2km, M3.9 JMA Felt 1 J1

IDC 27 02:26:02.3-0.8, 35.84N, 141.16E, h0km, mb3.8/11, mb1.9/15, mb1mx3.8/11, mbtmp3.7/15, ML3.8/11, MS3.2/3, Ms1.2/3, ms1mx3.2/2.95, Error ellipse: s-maj=19.0km s-min=16.3km az=107.0

NEIC 27 02:26:07.6-0.5, 35.92N, 141.03E, h35km, mb4.3/4, Error ellipse: s-maj=12.2km s-min=9.7km az=173.0

ISC 27 02:26:03.1-1.6, 35.89N, 141.12E, 0.09, h9km, 9km, n35, 158/35, mb3.8/16, 1D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like CHJO Chosi, JYT Yasoto, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like URZ Urewera, URZ Urewera, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like PKHZ Pukeiti, PKZ Pukeiti, etc.



Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Includes stations like Kahutara, Chatham Island, Lake Taylor, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Includes stations like Siirt\_Merkez, Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Includes stations like Naumai, Cape Kidnapper, etc.

ISK 27 02:54:56.2, 38.715N-43.30E, h22km, MD2.4
ISCJB 27 02:54:57.0, 38.76N-43.34E, 0.05, h23km, 1.0km
Error ellipse: s-maj=6.7km s-min=4.2km az=20.0

CSEM 27 02:54:57.0, 38.77N-43.31E, h10km, MD2.4, Error
ellipse: s-maj=5.4km s-min=3.4km az=14.0
DDA 27 02:54:57.6, 38.78N-43.29E, h7km, MD2.5

ISC 27 02:54:58.2, 0.9, 38.77N-0.02, 43.31E, 0.03, h15km, 7km,
n23, c1508/43, Turkey

WEL 27 03:08:33.0, 0.4, 37.31S-179.93E, h33km, ML4.4/58, Error
ellipse: s-maj=5.7km s-min=3.2km az=0.0

NEIC 27 03:08:38.4, 0.7, 37.32S-179.31E, h35km, mb4.3/2, Error
ellipse: s-maj=17.8km s-min=15.2km az=203.0

ISC 27 03:08:39.2, 3.2, 37.75S-179.96W, 0.08, h7km, 13km,
n90, c1669/24, mb4.1/6, 4C-5D, East of North Island

ISCJB 27 03:13:09.0, 0.6, 33.3S-0.1, 67.97E, 0.10, h15km, mb3.9/15,
MS3.8/17, Error ellipse: s-maj=16.7km s-min=11.6km
az=39.9

ISC 27 03:13:09.0, 0.8, 33.27S-67.97E, h0km, mb3.7/12,
mb1.3/9.12, mb1mx3.7/43, mbtmp3.7/12, MS3.8/18,
MS3.8/18, ms1mx3.6/40, Error ellipse: s-maj=26.4km
s-min=20.3km az=15.0

ISCJB 27 03:13:09.0, 0.6, 33.3S-0.1, 67.97E, 0.10, h15km, mb3.9/15,
MS3.8/17, Error ellipse: s-maj=16.7km s-min=11.6km
az=39.9

ISC 27 03:13:09.0, 0.8, 33.27S-67.97E, h0km, mb3.7/12,
mb1.3/9.12, mb1mx3.7/43, mbtmp3.7/12, MS3.8/18,
MS3.8/18, ms1mx3.6/40, Error ellipse: s-maj=26.4km
s-min=20.3km az=15.0

ISCJB 27 03:13:09.0, 0.6, 33.3S-0.1, 67.97E, 0.10, h15km, mb3.9/15,
MS3.8/17, Error ellipse: s-maj=16.7km s-min=11.6km
az=39.9

ISC 27 03:13:09.0, 0.8, 33.27S-67.97E, h0km, mb3.7/12,
mb1.3/9.12, mb1mx3.7/43, mbtmp3.7/12, MS3.8/18,
MS3.8/18, ms1mx3.6/40, Error ellipse: s-maj=26.4km
s-min=20.3km az=15.0

NEIC 27 03:13:11.0.4.0.3.28S:67.95E, h10km, mb4.2/4, Error ellipse: s-maj=11.5km s-min=8.5km az=219.0

ISC 27 03:13:11.8.0.7.3.39S.01.68.0E.0.1, h15km, n40, c0566/21, mb3.9/15, MS3.8/17, Carlsberg Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations and their parameters for the NEIC and ISC events.

ISC 27 03:19:15.8.25.0.19.07S:173.06W, h0km, mb4.2/4, mb1 4.4/4, mb1mx3.9/31, mbtmp4.2/4, MS3.5/1, ms1mx2.5/3k, Error ellipse: s-maj=467.3km s-min=152.3km az=74.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations for the Tonga Islands event.

ISC 27 03:40:38.1.2.8.25.82S:138.49E, h0km, mb1 3.2/3, mb1mx3.1/24, mbtmp3.0/3, ML2.7/3, Error ellipse: s-maj=45.3km s-min=18.1km az=51.0, Queen Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations for the Queen Island event.

ISK 27 03:45:17.5.38.62N:43.17E, h5km, MD2.3 ISCJB 27 03:45:19.9.0.3.38.64N:0.03:43.19E:0.04, h3km, 7km, Error ellipse: s-maj=5.5km s-min=4.6km az=156.6

CSEM 27 03:45:19.2.0.3.38.64N:43.21E, h2km, ML2.8, Error ellipse: s-maj=6.0km s-min=5.6km az=56.0

DDA 27 03:45:19.2.38.64N:43.21E, h7km, ML2.8

ISC 27 03:45:19.6.0.9.38.62N:0.03:43.19E:0.03, h11km, 8km, n24, c0596/36, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations for the Turkey event.

Table with columns: VMUR, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations for the Van-Muradiye event.

BJJ 27 03:45:32.9.4.33.68N:88.92E, h8km, ML3.7/9, Ms3.5/2, Ms7.5/2

ISCJB 27 03:45:33.0.4.0.7.43.64N:0.05:88.92E:0.06, h33km, mb3.4/4, Error ellipse: s-maj=6.9km s-min=5.9km az=42.1

ISC 27 03:45:34.0.4.0.8.43.53N:0.08:88.99E:0.08, h35km, n21, c1939/34, mb3.5/5, 10C-9D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations for the Northern Xinjiang event.

ISC 27 03:52:56.6.0.6.2.89S:0.05:119.52E:0.06, h10km, mb3.4/4, MS2.9/1, Error ellipse: s-maj=9.2km s-min=5.8km az=143.0

DJA 27 03:52:57.0.4.3.0.9S:119.30E, h0km, mb3.4/4, mb1 3.6/4, mb1mx3.3/48, mbtmp3.5/4, MS3.0/2, ms1mx2.6/24, Error ellipse: s-maj=158.8km s-min=22.3km az=60.0

ISCJB 27 03:52:56.6.0.6.2.89S:0.05:119.52E:0.06, h10km, mb3.4/4, MS2.9/1, Error ellipse: s-maj=9.2km s-min=5.8km az=143.0

DJA 27 03:52:57.0.4.3.0.9S:119.30E, h0km, MB.1/7, MLV4.1/7

ISC 27 03:52:57.0.4.3.0.9S:119.53E:0.06, h10km, n15, c1921/14, mb3.5/4, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations for the Sulawesi event.

ISC 27 03:52:56.6.0.6.2.89S:0.05:119.52E:0.06, h10km, mb3.4/4, MS2.9/1, Error ellipse: s-maj=9.2km s-min=5.8km az=143.0

DJA 27 03:52:57.0.4.3.0.9S:119.30E, h0km, MB.1/7, MLV4.1/7

ISC 27 03:52:57.0.4.3.0.9S:119.53E:0.06, h10km, n15, c1921/14, mb3.5/4, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations for the Sulawesi event.

MKAR Makanchi Array 59.41 331 P P 04 03 00.2 -0.2

NEIC 27 03:59:43.2.0.0.6.31S:0.1:68.08E:0.08, h11km, mb4.3/28, MS4.1/22, Error ellipse: s-maj=17.0km s-min=11.0km az=20.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations for the NEIC event.

ISCJB 27 04:03:06.0.6.3.1S:0.1:68.08E:0.08, h11km, mb4.3/28, MS4.1/22, Error ellipse: s-maj=17.0km s-min=11.0km az=20.0

ISC 27 04:03:06.0.6.3.1S:0.1:68.08E:0.08, h11km, mb4.3/28, MS4.1/22, Error ellipse: s-maj=17.0km s-min=11.0km az=20.0

NEIC 27 04:03:07.8.0.2.3.28S:67.96E, h10km, mb4.5/8, Error ellipse: s-maj=10.3km s-min=7.1km az=202.0

GCMT 27 04:03:07.8.0.2.3.28S:67.96E, h14km, MW5.0/93, Moment Tensor Solution. s32,c34; s93,c144; Duration: 0 Moment tensor: Scale 10^19Nm; Mrr-3.40e.18; Mss1.86e.11; Mss2.54e.12; Mss3.70e.26; Mss4.134e.07; Mss5.12e.28; Best double couple: M33.29500e.1016

NP1:39.00000; s50.00000; s-101.00000; NP2: 6.139.00000; s42.00000; s-78.00000; Principal axes: P3.8900; N4.0000; Azm4.1.0000; N 0.4300; P168.0000; Azm3.1.0000; P-3.5100; P168.0000; Azm157.0000; nsta1 refer to body waves, cutoff=40s. nsta2 refer to surface waves, cutoff=50s.

ISC 27 04:03:08.0.0.3.1S:0.1:68.1E:0.1, h11km, n53, c052/32, mb4.4/28, MS4.1/22, Chagos Archipelago region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations for the Chagos Archipelago event.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations for the Diego Garcia event.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations for the Diego Garcia event.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations for the Diego Garcia event.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations for the Diego Garcia event.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LVC Limon Verde, CUC Castruccio, GERES GERES Array B, etc.

SJA 27 04:22:46.6 0.3, 24:11S:67.13W, h187km, 9km, ML2.5, MW3.0

ISCJB 27 04:22:47.0 0.5, 24:17S:0'06:67.15W:0'05, h181km, Error ellipse: s-maj=9.8km s-min=4.7km az=27.6

GUC 27 04:22:49.7 0.5, 24:14S:67.31W, h184km, 18km, ML4.4

ISC 27 04:22:47.8 1.3, 24:15S:0'07:67.11W:0'05, h181km, n12, c094/18, 1C, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SLA San Lorenzo, HJA Humahuaca, AZAP Zapala, etc.

CSEM 27 04:29:14.9 0.2, 38:77N:43:50E, h10km, MD2.7, Error ellipse: s-maj=4.5km s-min=3.1km az=105.0

ISK 27 04:29:14.6 0.6, 38:76N:43:43E, h6km, MD2.7

ISCJB 27 04:29:15.0 0.5, 38:77N:0'03:43E:0'05, h13km, 4km, Error ellipse: s-maj=6.6km s-min=3.6km az=22.6

DDA 27 04:29:15.2, 38:77N:43:43E, h7km, Md2.5

ISC 27 04:29:14.9 1.1, 38:76N:0'02:43E:0'03, h15km, 9km, n32, c0958/49, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VANB Van, VANA Van, VANC Van, etc.

IDC 27 04:42:56.7 3.0, 4:26S:151:57E, h0km, mb4.0/3, mb1 4.3/3, mb1mx3.6/30, mbtmp4.1/3, Error ellipse: s-maj=109.2km s-min=41.3km az=121.0, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 27 04:47:53.3 0.7, 16:84S:173:53W, h0km, mb4.5/8,

mb1 4.8/10, mb1mx4.4/28, mbtmp4.6/10, ML4.4/2, MS3.3/7, Ms1 3.3/7, ms1mx3.1/31, Error ellipse: s-maj=29.5km s-min=16.3km az=137.0

NEIC 27 04:47:54.4 4.5, 16:88S:173:48W, h8km, 28km, mb4.5/4, Error ellipse: s-maj=14.5km s-min=8.6km az=132.0

ISC 27 04:47:56.1 0.7, 16:94S:0'09:173:2W:0'1, h10km, n46, c239/24, mb4.5/12, MS3.5/6, 6C-2D, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AFI Afiamalu, AFI Urewera, MSVF Nonstav, etc.

IDC 27 05:09:14.1 2.6, 54:15N:86:56E, h0km, mb1 3.1/2, mb1mx3.0/46, mbtmp3.1/2, ML2.8/2, Error ellipse: s-maj=21.6km s-min=13.3km az=52.0

NCC 27 05:09:10.0 1.7, 54:29N:86:84E, h0km, mb2.9, mpv2.8, 3C-4D, Error ellipse: s-maj=19.5km s-min=8.6km az=178.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H46RU ZALESOVO INFRA, ZAAO Zalesovo Array, ZAAO Zalesovo Beam, etc.

ISCJB 27 05:12:21.6 0.4, 29:33N:0'04:139:59E:0'08, h414km, mb3.5/14, Error ellipse: s-maj=9.1km s-min=5.7km az=164.8

JMA 27 05:12:22.3 0.2, 29:32N:139:21E, h378km, M3.5

IDC 27 05:12:22.6 1.1, 29:28N:139:43E, h403km, 11km, mb3.3/14, mb1 3.4/17, mb1mx3.2/37, mbtmp4.0/17, Error ellipse: s-maj=17.2km s-min=11.5km az=86.0

ISC 27 05:12:22.9 0.6, 29:34N:0'07:139:6E:0'1, h414km, n30, c1958/34, mb3.5/14, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H46RU ZALESOVO INFRA, ZAAO Zalesovo Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CBJJ Chichi jima, CBJH Haha-jima-NKT, CBJH Haha-jima-NKT, etc.

MDD 27 05:17:06.4 2.6, 37:59N:19:64W, h131km, 34km, mb3.7/25, Error ellipse: s-maj=32.8km s-min=6.6km az=118.0, PRXIMO

CSEM 27 05:17:08.0 0.4, 37:51N:19:21W, h30km, ML4.3/23, Error ellipse: s-maj=11.1km s-min=4.3km az=119.0

INMG 27 05:17:11.7 3.1, 37:54N:19:63W, h10km, ML3.5, Error ellipse: s-maj=27.5km s-min=6.2km az=117.0

ISC 27 05:17:02.0 1.2, 37:52N:0'04:19:33W:0'06, h10km, n130, c287/189, Azores-Cape St Vincent Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMOZ Porto Moniz, PMOZ Porto Moniz, PMOZ Porto Moniz, etc.

IDC 27 05:25:09.1 2.6, 54:15N:86:56E, h0km, mb1 3.1/2, mb1mx3.0/46, mbtmp3.1/2, ML2.8/2, Error ellipse: s-maj=21.6km s-min=13.3km az=52.0

NCC 27 05:09:10.0 1.7, 54:29N:86:84E, h0km, mb2.9, mpv2.8, 3C-4D, Error ellipse: s-maj=19.5km s-min=8.6km az=178.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FUL Funchal, FUL Funchal, FUL Funchal, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include BODT Bodrum, BODT Bodrum, BODT Bodrum, BODT Bodrum, KZIL AFYON\_Kizoren, KZIL AFYON\_Kizoren, SUTC Sutluce-Ispart, SUTC Sutluce-Ispart, MANT Manisa, MANT Manisa, KULA Kula-Manisa, KULA Kula-Manisa, NIS1 Nisyros Isl., NIS1 Nisyros Isl., NIS1 Nisyros Isl.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include ZALV Zalesovo Beam, MKAR Makanchi Array, WKAR Warramunga Arr, AKTO Aktyubinsk, FINES FINES Array B, AKAS Malin Array Be, TXAR Tajitas Arr.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include TKM2 baz=323, SHLS Shalkode, SHLS Shalkode, PDGK Podgornoye, PDGK Podgornoye.

DDA 27 07:26:53.9, 36:98N-29:13E, h7km, Md2.8
ISK 27 07:26:53.5, 36:98N-29:13E, h2km, MD2.6
ISCJB 27 07:26:54.3, 0.4, 36:99N:0.02-29:13E:0.03, h0km, 5km,
Error ellipse: s-maj=3.7km s-min=3.3km az=151.0,
CSEM 27 07:26:54.5, 0.1, 36:98N-29:14E, h5km, MD2.6, Error
ellipse: s-maj=2.2km s-min=2.0km az=139.0
ISC 27 07:26:54.5-1.0, 37:00N:0.02-29:16E:0.02, h7km, gkm,
n51, 0:90/81, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include NIS1 Nisyros Isl., NIS1 Nisyros Isl., NIS1 Nisyros Isl., NIS1 Nisyros Isl., BAGO Egridir - ISPA, BAGO Egridir - ISPA, GCAM G'zelcamli?, GCAM G'zelcamli?, SHUT Suhut-Afyon, SHUT Suhut-Afyon, SMG Samos, SMG Samos, DEMI Demirci, DEMI Demirci, DGB DGB, DGB DGB, SIMA Simav-Kutahya, SIMA Simav-Kutahya, GDZ Gediz, GDZ Gediz, KARP Karpathos, KARP Karpathos, KARP Karpathos, KARP Karpathos, AKHS Akhisar, AKHS Akhisar, BOLV Bolvadin, BOLV Bolvadin, DOGA KONYA\_Doganhis, DOGA KONYA\_Doganhis, ZEY zmir, ZEY zmir, URLA Izmir, URLA Izmir, TVSB Tavsanli, TVSB Tavsanli, STEP BALIKESIR\_Sava, STEP BALIKESIR\_Sava, STEP BALIKESIR\_Sava, KONT Konya-Tatoy, KONT Konya-Tatoy, LADK LadiK-KONYA, LADK LadiK-KONYA, CHOS Chios island, CHOS Chios island, KIZIL Kizilcal, KIZIL Kizilcal, APE Apeiranthos, APE Apeiranthos, APE Apeiranthos, ZKRO Zakros, ZKRO Zakros, BALY Balya, BALY Balya, NPS Neapolis, NPS Neapolis, LAST Lasithi, LAST Lasithi, IDI Anoyia, IDI Anoyia, comp=E, 139jkm, 0.7s, IDI comp=N, 204jkm, 1.0s, IDI lera Moni Meta, IDI lera Moni Meta, BRTR Keskini Array B, BRTR Keskini Array B.

ISCJB 27 06:11:11.7, 0.8, 14:22N:0.1, 145:7E:0.2, h100km, mb3.9/9,
Error ellipse: s-maj=24.3km s-min=11.0km az=29.6
IDC 27 06:11:12.3, 0.9, 14:22N:145.68E, h89km, 7km, mb3.7/9,
s-maj=21.1km s-min=10.0km az=122.0
ISC 27 06:11:12.8, 0.9, 14:11N:0.1, 145:7E:0.2, h100km, n17,
s122/16, mb4.1/9, Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include GUMO Guam, GUMO Guam, H1S3 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, H1S2 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, H1N2 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, WRA Warramunga Arr, WRA Warramunga Arr, FITZ Fitzroy Crossi, ASAR Alice Springs, ASAR Yellowknife Arr, SONM Songoing Array, ZALV Zalesovo Beam, ZALV Makanchi Array, ILAR Eielson Array, YKA Yellowknife Arr, FINES FINES Array B, TORD Torodi Arr, IDC 27 06:23:19.5, 9.4, 19:43S:169:80E, h0km, mb4.0/5, mb1 4.1/6, mb1mx3.9/24, mbmt4.0/6, ML3.8/1, MS2.7/3, Ms1 2.7/3, ms1mx2.6/18, Error ellipse: s-maj=154.9km s-min=69.0km az=90.0, ISC 27 06:23:18.1, 8.1, 19:65S:0.2, 169:0E:0.2, h35km, n9, s05/19, mb3.8/5, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include GLHS Gihisar (BURDU), GLHS Gihisar (BURDU), GLHS Gihisar (BURDU), FETY Fethiye, FETY Fethiye, GOLH Golhisar, GOLH Golhisar, DALY Dalyan (Mu'la), DALY Dalyan (Mu'la), DALY Dalyan (Mu'la), DALY Dalyan (Mu'la), TURN Turunc, TURN Turunc, TAVA DENIZLI\_Tavas, TAVA DENIZLI\_Tavas, ELL Elmali, ELL Elmali, DNZL Cakirokul, DNZL Cakirokul, DNZL Denizli, DNZL Denizli, AKAS Kas, AKAS Kas, AKAS Kas, AKAS Kas, KORT Korkueli, KORT Korkueli, KORT Korkueli, BRDR BURDUR-Merkez, BRDR BURDUR-Merkez, ANTB Antalya, ANTB Antalya, AYDN Tasiluk, AYDN Tasiluk, BDRM Kayabasi, BDRM Kayabasi, KHAL Karahalli, KHAL Karahalli, BODT Bodrum, BODT Bodrum, SUTC Sutluce-Ispart, SUTC Sutluce-Ispart, KULA Kula-Manisa, KULA Kula-Manisa, BAGO Egridir - ISPA, BAGO Egridir - ISPA, KARP Karpathos, KARP Karpathos, TVSB Tavsanli, TVSB Tavsanli.

MEX 27 06:04:59.4, 0.5, 14:94N:93:24W, h15km, MD3.6, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include PCIG Comitlan, PCIG Comitlan, CGIG Comitlan, TGIG TGIG, TGIG TGIG.

DJA 27 06:43:16.2, 0.5, 9S:6:11'E, h47km, 10km, M3.7/13, JWS MLV3.7/13, TVSB

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include PWJI Pagerwojo, PWJI Pagerwojo, GMJI Gumukmas, GMJI Gumukmas, PCJI Pacitan, PCJI Pacitan, BLJI Banyuglugur, BLJI Banyuglugur, JAGI Jajag, Banyuwya, JAGI Jajag, Banyuwya, GRJI Gresik, GRJI Gresik, TBJI Tambak Boyo, TBJI Tambak Boyo, UGM Wanagama, UGM Wanagama, KMII Kalianget, KMII Kalianget, SRBI Singaraja, SRBI Singaraja, UJWI Ujung Watu, UJWI Ujung Watu, CISMP Cisomp, Garu, CISMP, Garu.

SOME 27 07:35:15.3, 0.4, 88N:77:90E, h10km
KRNET 27 07:35:19.3, 0.1, 41:18N:77:73E, mb2.5
ISC 27 07:35:14.5, 2.6, 40:9N:0.1, 77:7E:0.04, h4km, 17km, n14,
s128/28, 6C-3D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include ULHL Ulahol, ULHL Ulahol, TNSS Tian-Shan, TNSS Tian-Shan, SATY Saty, SATY Saty, MDOK Medeo, MDOK Medeo, KOTS Kotyrbulak, KOTS Kotyrbulak, TKM2 Tokmak 2, TKM2 Tokmak 2, SHLS Shalkode, SHLS Shalkode, KURS Kuram, KURS Kuram, KPKS Kokpek, KPKS Kokpek, UCH Uchter, UCH Uchter, DGS Degeres, DGS Degeres, PDGK Podgornoye, PDGK Podgornoye, PDGK Podgornoye, PDGK Podgornoye, KTMS Ketmen, KTMS Ketmen, KTMS Ketmen.

JMA 27 06:09:31.2, 0.1, 32:21N:137:99E, h391km, M3.0
ISCJB 27 06:09:32.7, 0.6, 32:26N:0:08, 137:96E:0:09, h376km,
mb3.5/8, Error ellipse: s-maj=11.4km s-min=9.2km
az=139.4

IDC 27 06:09:33.0, 0.9, 32:25N:137:87E, h361km, 11km, mb3.3/8,
mb1 3.2/11, mb1mx3.1/48, mbtp3.9/11, Error ellipse:
s-maj=27.0km s-min=14.0km az=63.0

ISC 27 06:09:34.4, 0.9, 32:33N:0:10, 137:68E:0:10, h376km, n24,
s101/28, mb3.5/8, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include TTO2 TONANKAI O.B.S., TTKO2 Tokai 2, HJJC Hachiojimakas, HJJC Hachiojimakas, JHJ Hachiojima 2, JHJ Hachiojima 2, JHJ Hachiojima 2, TTO4 TONANKAI O.B.S., TTHJ2 Mitsune, TTHJ2 Mitsune, JWZ Kozaga, JWZ Kozaga, JWY Kouya, JWY Kouya, JOD2 Odawara, JOD2 Odawara, JAI Aioi, JAI Aioi, JMT Wachi, JMT Wachi, JMN Monobe, JMN Monobe, JRY Ryogami san, JRY Ryogami san, MJAR Matsushiro Arr, MJAR Matsushiro Arr, MJAR Matsushiro Arr, MJAR Matsushiro Arr, KSRS Korea Array, KSRS Korea Array, ASAJ Asahikawa, ASAJ Asahikawa, SONM Songoing Array, SONM Songoing Array.

MEX 27 07:01:05.3, 0.4, 13:92N:92:59W, h16km, 137km, M3.7, Off coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include PCIG Comitlan, PCIG Comitlan, CGIG Comitlan, CGIG Comitlan, PCJI Pacitan, PCJI Pacitan, BLJI Banyuglugur, BLJI Banyuglugur, JAGI Jajag, Banyuwya, JAGI Jajag, Banyuwya, GRJI Gresik, GRJI Gresik, TBJI Tambak Boyo, TBJI Tambak Boyo, UGM Wanagama, UGM Wanagama, KMII Kalianget, KMII Kalianget, SRBI Singaraja, SRBI Singaraja, UJWI Ujung Watu, UJWI Ujung Watu, CISMP Cisomp, Garu, CISMP, Garu.

SOME 27 07:26:21.7, 4.0, 95N:77:77E, h5km
KRNET 27 07:26:23.6, 0.1, 40:98N:77:61E, mb2.6
ISC 27 07:26:23.2, 3.4, 41:0N:0:1, 77:7E:0.05, h5km, 17km, n7,
s122/14, 5C-2D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include ULHL Ulahol, ULHL Ulahol, SATY Saty, SATY Saty, MDOK Medeo, MDOK Medeo, KOTS Kotyrbulak, KOTS Kotyrbulak, TKM2 Tokmak 2, TKM2 Tokmak 2, SHLS Shalkode, SHLS Shalkode, KURS Kuram, KURS Kuram, KPKS Kokpek, KPKS Kokpek, UCH Uchter, UCH Uchter, DGS Degeres, DGS Degeres, PDGK Podgornoye, PDGK Podgornoye, PDGK Podgornoye, PDGK Podgornoye, KTMS Ketmen, KTMS Ketmen, KTMS Ketmen.

27d 8h

Table with columns: ARXS, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes data for 8.0nm, 0.7s and 2.3nm, 0.9s.

MEX 27 07:41:03.5:0.5, 14.98N-93.25W, h56km, 1.6km, MD3.6, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like PCIG, CCIG, TGIG.

CASC 27 07:43:20.3:1.4, 11.22N-85.56W, h193km, 6km, MD3.6, ML2.3, 4C-1D, Nicaragua

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like CRZ1, CONN, GB1A, BUEV, etc.

ISCJB 27 07:43:41.8:0.5, 49.97N-0.02-78.54E:0.08, h0km, Error ellipse: s-maj=7.0km s-min=3.2km az=175.1

NNC 27 07:43:42.7:0.4, 50.03N-78.59E, h4km, 4km, mb3.4, mpv3.1, Error ellipse: s-maj=6.0km s-min=3.6km az=79.0, Suspected Mining explosion.

IDC 27 07:43:44.2:0.8, 50.07N-78.80E, h0km, mb1 3.3/4, mb1mx3.1/44, mbtmp3.3/4, ML3.1/74, Error ellipse: s-maj=10.2km s-min=6.2km az=63.0

ISC 27 07:43:47.0:0.6, 50.03N-0.04-78.66E:0.06, h0km, n20, -09.95/36, 19C-12D, Eastern Kazakhstan

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like KUR07, KUR16, KUR17, etc.

NNC 27 08:05:51.5:1.6, 54.61N-86.46E, h0km, mb0.9, mpv1.3, Error ellipse: s-maj=9.9km s-min=6.0km az=56.0

IDC 27 08:05:54.3:2.9, 54.55N-86.31E, h0km, mb1 2.7/2, mb1mx2.7/40, mbtmp3.2/2, ML2.3/2, 3C-2D, Error ellipse: s-maj=22.5km s-min=13.9km az=49.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like CRZ1, CONN, GB1A, etc.

2011 NOV

Table with columns: I46RU, ZALESOVO INFRA, ZAAO, ZAAO, ZALV, ZALV, ZALV, KURK, KURB, KURB, MK31, MKAR, MKAR, MKAR, MKAR. Includes station names and coordinates.

NNC 27 08:23:31.0:2.0, 54.41N-86.77E, h0km, mb3.1, mpv3.0, Error ellipse: s-maj=16.3km s-min=9.9km az=6.0

IDC 27 08:23:33.7:2.4, 54.51N-86.53E, h0km, mb1 3.1/3, mb1mx3.0/44, mbtmp3.1/3, ML2.8/3, Error ellipse: s-maj=20.0km s-min=12.1km az=58.0

ISC 27 08:23:31.5:3.7, 54.6N:0.1-86.7E:0.2, h10km, n10, a179/15, 6C-6D, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like I46RU, ZAAO, ZALV, KURK, KURB, MK31, MKAR, MKAR, MAZ, BVAR, BVAR.

DJA 27 08:31:06.9:0.5, 4.5S:12.9E, h86km, 6km, M3.6/6, ML3.6/6, Seram

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like MSAI, BNDI, AAI, NLAJ, NLAJ, FAKI, LBMI, SANI, SANI.

ISK 27 08:33:03.1, 38.65N:43.31E, h29km, MD2.3

ISCJB 27 08:33:04.9:0.5, 38.71N:0.03-43.22E:0.05, h9km, 6km, Error ellipse: s-maj=6.2km s-min=4.4km az=2.2

CSEM 27 08:33:04.5:0.3, 38.70N:43.22E, h10km, MD2.8, Error ellipse: s-maj=7.0km s-min=5.6km az=73.0

DDA 27 08:33:04.0, 38.70N:43.19E, h7km, Md2.8

ISC 27 08:33:04.3:0.9, 38.68N:0.02-43.20E:0.03, h16km, 8km, n22, i1904/41, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like VANB, TVAN, GEVA, ADCV, VMUR, TUTA, AGRB, EKAR, SVAN, BTM, BTM.

IDC 27 08:34:53.6:1.1, 52.57S:28.12E, h0km, mb3.8/5, mb1 3.9/5, mb1mx3.6/26, mbtmp3.8/5, MS3.1/2, Ms1 3.0/2, ms1mx2.6/28, Error ellipse: s-maj=16.0km s-min=26.3km az=77.0, South of Africa

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like VANB, TVAN, GEVA, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like SNAA, BOSA, BOSA, LBTB, TOR, ASAR, WRA.

CRAAG 27 08:44:55.7:0.6, 36.55N:0.43E, M13.4

ISCJB 27 08:44:56.7:0.6, 36.57N:0.07-5.39E:0.07, h19km, Error ellipse: s-maj=1.5km s-min=0.6km az=36.8

CSEM 27 08:44:57.1:0.2, 36.54N:5.46E, h10km, mb3.9, Error ellipse: s-maj=8.1km s-min=3.8km az=32.0

MDD 27 08:44:57.6:1.0, 36.53N:5.43E, h5km, 16km, mb3.9/7, Error ellipse: s-maj=12.8km s-min=6.4km az=147.0, PRXIMO

ISC 27 08:44:57.5:1.1, 36.52N:0.05-5.50E:0.03, h19km, n36, a079/38, Northern Algeria

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like DFRA, DFRA, DFRA, SETI, SETI, CASM, CASM, CTEI, CTEI, CKFL, CKFL, CAEH, CAEH, CMAH, CMAH, EMHD, EMHD, ETOS, ETOS, ETOS, EMUR, EMUR, CFON, CFON, EPOB, EPOB, EMIR, EMIR, CSOR, CSOR, ESAC, ESAC.

NNC 27 08:50:06.0:0.6, 43.22N-79.69E, h16km, 3km, mb1.9, mpv2.5, Error ellipse: s-maj=8.4km s-min=4.8km az=2.0

SOME 27 08:50:05.8, 43.20N-79.50E, h0km

KRNET 27 08:50:05.9:0.1, 43.05N-79.55E, mb2.8

ISC 27 08:50:06.7:1.1, 43.13N:0.05-79.55E:0.04, h27km, 5km, n22, i177/44, 13C-11D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like SHLS, SHLS, PDGK, PDGK, PDGK, UZB, UZB, KTMS, KTMS, KPKS, KPKS, SATY, SATY, PRZ, PRZ, KURS, KURS, ARXS, ARXS, ARXS, ARXS, MDOK, MDOK, TNSN, TNSN, CHKK, CHKK, KAPS, KAPS, KUU, KUU, UHLH, UHLH, BOOM, BOOM.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DGS Degeres, TKM2 Tokmak 2, ARLS Aral, etc.

IDC 27 08:56:01.7±4.5, 23.79N, 95.26E, h0km, mb3.4/3, mb1 3.6/3, mb1mx3.2/4.1, mbtmp3.4/3, MS3.6/1, Ms1 3.6/1, ms1mx2.6/2.6, Error ellipse: s-maj=421.3km s-min=27.8km az=60.0, Myanmar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, GUMO Guam, WRA Warramunga Arr, ASAR Alice Springs.

MAN 27 08:59:27.930N, 125.98E, h14km, mb3.5, ML2.2, MS1.6, Mindanao

NIED 27 09:01:00.37, 60N, 141.80E, h20km, Mw3.9 Best double couple: Mo:7.63000e+1014 NP1:0e2.00000e+0, d35.00000e+0, lambda:19.00000e+0, NP2:0e198.00000e+0, b79.00000e+0, lambda:124.00000e+0

IDC 27 09:01:44.7±0.7, 37.62N, 141.83E, h0km, mb3.9/11, mb1 3.9/15, mb1mx3.8/4.2, mbtmp3.8/15, ML3.5/4, MS1.1/3, Ms1 3.1/3, ms1mx2.8/4.2, Error ellipse: s-maj=18.8km s-min=16.8km az=117.0

JMA 27 09:01:47.3±0.1, 37.59N, 141.83E, h28km, mb3.9m, M4.1 NEIC 27 09:01:50.9±0.6, 37.63N, 141.79E, h42km, mb3.7/12, Error ellipse: s-maj=7.1km s-min=5.4km az=126.0

ISC 27 09:01:45.9±1.8, 37.59N, 141.88E, h0.9km, mb3.10km, n69, c1534/76, mb4.3/22, Near east coast of eastern Honshu

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations including JFK Kawachi, JMK Marumori, JMM Muro, JIO Ouri, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FIAO FINESS Array S, FINES FINESS Array B, NEW Newport, PMP Monarch Peak, etc.

IDC 27 09:12:43.9±0.5, 30.52S, 177.22W, h0km, mb4.7/15, mb1 4.8/16, mb1mx4.8/23, mbtmp4.6/16, ML3.7/1, MS4.7/19, Ms1 4.7/19, ms1mx3.6/23, Error ellipse: s-maj=17.8km s-min=15.4km az=65.0

ISCJB 27 09:12:44.7±0.1, 30.84S, 177.40W, 0.04, h10km, mb5.0/102, MS4.8/23, Error ellipse: s-maj=6.1km s-min=2.8km az=34.6

BUI 27 09:12:47.4±0.2, 30.77S, 177.40W, h13km, mb5.3/21, mb5.8/15, Ms5.5/12, Ms7.5/28 GCMT 27 09:12:47.4±0.2, 30.77S, 177.40W, h12km, MW5.2/104, Moment Tensor Solution. s71, c109; s104, c165; Duration: 1#0 Moment tensor: Scale 10^19N; Mn:6.03e-16, Mw:1.50e-13, Mb:4.52e-12, Mo:1.37e+35; Ms:2.86e-10, Ml:8.66e-39; Best double couple: M1:7.82900e+1016 NP1:0e2.00000e+0, d364.00000e+0, lambda:2.00000e+0, NP2:0e220.00000e+0, b827.00000e+0, lambda:107.00000e+0

Principal axes: T 7.820, P1g7.00000e+0, Azm275.00000e+0, N 0.0640, P1g7.00000e+0, Azm26.00000e+0, P -7.8560, P1g19.00000e+0, Azm118.00000e+0; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 27 09:12:47.4±0.3, 30.77S, 177.42W, h19km, mb4.9/90 Error ellipse: s-maj=8.8km s-min=6.1km az=170.0 MOS 27 09:12:48.5±0.9, 30.66S, 177.41W, h33km, mb5.1/25, Ms5.0/4, Error ellipse: s-maj=13.0km s-min=10.8km az=86.4

ISC 27 09:12:45.3±0.3, 30.65S, 177.24W, 0.05, h10km, n340, c198/341, mb5.0/100, MS4.9/23, 2C-4D, Kermadec Islands

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations including RAO Raoul Island, RAO Raoul Island, RAO Raoul Island, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations including PPT2 comp=Z,2um,24.0s, PPT2 comp=Z,1um,21.2s, PPT2 comp=Z,1um,18.2s, etc.



Table with columns: QIZ, VES, EDW, ROC1, PFO, PFO, PFO, XPFO, PEL, PEL, ISA, ISA, ISA, ISA, PETK, KMRM, LRMC, BELC, CMB, CMB, BC3, GLA, HEC, CWC, GSC, GSC, AFDM, NJ2, ORV, ORV, DAC, DAC, MDPB, WDC, WDC, MLAC, Y12C, N02D, O03D, WAKR, TUQ, SHOC, M02C, FURC, PNTR, USRK, USRK, BEKR, YER1, TPNV, TPNV, PAHR, Y14A, HUMO, W13A, SHPR, TUC, TUC, TUC, MDJ, MDJ, MOD, R11A, BMN, BMN, LCMT, H04A, U15A, U15A, WUAZ, WUAZ, KNB, KNB, CCUT, I05D

Table with columns: WWOR, SZCU, X18A, CN2, F04A, I07A, J08A, G06A, MTPU, MSU, MSU, TX31, TXAR, TXAR, GYA, GYA, G08A, E07A, MFID, HAWA, TMUT, BMO, BMO, SRU, SRU, SRU, MVCO, ANMO, ANMO, ANMO, SPUT, HVU, HVU, D08A, E09A, HLID, HLID, HLID, F10A, TCUT, CMAR, CMAR, KMI, KMI, KMI, KMI, KMI, KMI, W006, PDAR, PDAR, PDAR, CD2, CD2, HHC, HHC, HHC, HHC, HHC, LPAZ, LPAZ, ILAR, ILAR, BILL, BILL, BILL, BILL, CPUP, LZH, LZH, LZH, SONM, WMQ, WMQ, WMQ, WMQ, MK01, MKAR, ZALV, KSH, KSH

Table with columns: KSH, KSH, KSH, KSH, KSH, KURK, KURK, KURK, AAK, AAK, AAK, BRVK, SOKR, SOKR, AKTO, ARCES, VRH, VRH, GNI, GNI, NCK, GOF, GOF, FIA1, FINES, LPSR, LPSR, OBN, OBN, OBN, KIV, KIV, KIV, VSR, VSR, ARTV, MARD, KOPT, SDFI, NC303, NC405, NB2, NOA, NB002, NC602, ANN, ANN, ROOS, SALA, DRWC, BFH, BTCH, HAWK, BIDA, AKASG, AKKB, AKBB, KIEV, KIEV, AK11, BR11, BRTR, BR21, BUR08, BUR08, UZH, UZH, CRVS, CRVS, KECS, KECS, DPC, DPC, CLL, CLL, CLL, CLL, PVCC, PVCC, VYHS, VYHS, KHC, KHC, GERES, GERES, CONA, MOA, SOKA, MYKA, WATA, WTTA, RETA, MOTA, ABTA, DAVA, FETA, TOAO, TORD, TORD, FUORN, ESCD, DZET





Table with columns: STA, Name, Az, El, P, Time, Res, ISC. Includes stations like RETA Reutte, CAST Castle Rocks, FETA Feichten, etc.

Table with columns: STA, Name, Az, El, P, Time, Res, ISC. Includes stations like SDCO Great Sand Dun, T25A Trinidad, ANMO Albuquerque, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like URZ Urewera, RPZ Rata Peaks, CTA Charters Tower, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like VNB Van, VAN Van, TVAN Van, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like VNB Van, VAN Van, TVAN Van, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like VNB Van, VAN Van, TVAN Van, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like VNB Van, VAN Van, TVAN Van, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like VNB Van, VAN Van, TVAN Van, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like VNB Van, VAN Van, TVAN Van, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like VNB Van, VAN Van, TVAN Van, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like VNB Van, VAN Van, TVAN Van, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like VNB Van, VAN Van, TVAN Van, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like VNB Van, VAN Van, TVAN Van, etc.

Table with columns: STA, Name, Az, El, P, Time, Res, ISC. Includes stations like EAK Akyaka, EAK Akyaka, EAK Akyaka, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like LUBP Lubang, TGJ Tagaytay City, SJMP San Jose, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like BOAC Boac, ENPP El Nido, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like VNB Van, VAN Van, TVAN Van, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like VNB Van, VAN Van, TVAN Van, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like VNB Van, VAN Van, TVAN Van, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like VNB Van, VAN Van, TVAN Van, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like VNB Van, VAN Van, TVAN Van, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like VNB Van, VAN Van, TVAN Van, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like VNB Van, VAN Van, TVAN Van, etc.

27d 11h

Table with columns: MKAR, Makanchi Array, 63.24 327 P, P, 10 59 52.9 -0.3, etc.

BUI 27 11:01:01.1, 0.18S, 97.95E, h19km, mb5.4/82, mb5.6/70, Ms5.7/89, Ms7.5/6/84

KJM 27 11:01:04.3, 0.13N, 97.62E, h20km, mb5.4

ISCJ 27 11:01:05.2, 0.7, 0.17N, 0.02E, 97.88E, 0.02, h29km, 4km, mb5.3/208, MS5.3/244, Error ellipse: s-maj=4.3km s-min=2.7km az=141.9

NEIC 27 11:01:05.7, 0.1, 0.18N, 97.87E, h18km, mb5.4/91, MS5.3/91, MW5.4, Error ellipse: s-maj=4.5km s-min=3.3km az=291.0, Moment Tensor Solution. s37

Moment tensor: Scale 10^17Nm; Mw: 1.44; Mw-1.48; Mw-0.05; Mw-0.93; Mw-0.28; Mw-0.29; Best double couple: Mo: 1.80000e+10, NP1: 1.04, 0.00000e+0, 862.00000e+0, 1.94, 0.00000e+0, NP2: 0.275, 0.00000e+0, 829, 0.00000e+0, 8.4, 0.00000e+0

Principal axes: T: 1.7300, Plg73.0000, Azm24.0000; N: 0.0900, Plg4.0000, Azm282.0000; P: -1.8200, Plg17.0000, Azm191.0000;

NEIC Felt at Gunungstili, GCMT 27 11:01:05.7, 0.1, 0.06N, 97.65E, h24km, MW5.4/110, Moment Tensor Solution. s106, c175; s110, c179; Duration: 1.4

Moment tensor: Scale 10^17Nm; Mw: 1.19; Mw-1.19; Mw-0.52; Mw-0.67; Mw-0.07; Mw-0.1; Mw-0.60; Mw-0.1; Mw-0.87; Mw-0.3; Best double couple: Mo: 1.78700e+10, NP1: 1.33, 0.00000e+0, 869, 0.00000e+0, 1.86, 0.00000e+0, NP2: 0.325, 0.00000e+0, 821, 0.00000e+0, 1.01, 0.00000e+0

Principal axes: T: 1.7910, Plg66.0000, Azm35.0000; N: -0.0050, Plg4.0000, Azm134.0000; P: -1.7840, Plg24.0000, Azm226.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

MOS 27 11:01:06.8, 1.2, 0.36N, 97.92E, h33km, mb5.5/75, MS5.2/28 Error ellipse: s-maj=7.8km s-min=4.4km az=107.3

DJA 27 11:01:06.5, 0.1, 0.2N, 97.8E, h24km, 3km, M5.3/42, mb5.3/42, mb5.7/28, MLV5.8/17, Mw(mb)5.28, Mwps.6/5

IDC 27 11:01:07.1, 0.5, 0.19N, 98.00E, h28km, 3km, mb4.8/40, mb1.4/843, mb1mx4.8/46, mbtmps.0/43, ML4.8, MS3.0/29, Ms1.5/0/29, ms1mx4.9/38, Error ellipse: s-maj=11.6km s-min=8.1km az=56.0

ISC 27 11:01:07.0, 0.3, 0.15N, 0.03E, 97.88E, 0.03, h29km, 2km, h29km, 2km, p-P, n968, c1976/862, mb5.3/203, MS5.3/246, 56C-18D, Northern Sumatara

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Pulau Batu, Saiba, Padang, Prapat, etc.

2011 NOV

Main station list table with columns: LAMP, Lampang, 18.34 5 P, Pn, 11 05 19.4 0.0, etc.

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Main station list table with columns: LSA, comp=Z, 3um, 17.8s, LR, LR, etc.

SSE	comp=Z,3um,16.5s	LR	LR		
SSE	comp=Z,9um,16.1s	LR	LR		
H01W3	Cape Leeuwin H 38.03 158	T	T	11 48 29.3	
H01W2	Cape Leeuwin H 38.04 158	T	T	11 48 30.3	
H01W1	Cape Leeuwin H 38.04 158	T	T	11 48 30.5	
WRKA	Warakurna 38.63 133	P	P	11 08 28.6 +0.4	
KMBL	Kambalda 38.73 146	P	P	11 08 30.4 +1.5	
GTA	Gaotai 39.11 2	P	P	11 08 32.0 -0.1	
GTA		P	P	11 08 37.3 -3.3	
GTA		P	P	11 08 40.5 -3.5	
GTA		P	P	11 10 05.8 +1.1	
GTA		P	P	11 10 43.3 +1.8	
GTA		P	P	11 14 30.5 +0.4	
GTA		P	P	11 17 16.5 -6.9	
GTA		P	P	11 18 38.0 -1.6	
GTA	comp=Z,60nm,1.8s				
GTA	comp=Z,700nm,7.6s				
GTA	comp=Z,3um,14.7s				
GTA	comp=Z,4um,15.2s				
GTA	comp=Z,4um,13.8s				
JOW	Kunigami 39.47 45	P	P	11 08 50.0 +1.5	
JOW		P	P		
TIY	Taiyuan 39.72 18	P	P	11 08 37.0 -0.1	
TIY		P	P	11 14 42.5 +3.4	
TIY	comp=Z,100nm,1.4s				
TIY	comp=Z,720nm,6.8s				
TIY	comp=Z,9um,13.2s				
TIY	comp=Z,4um,14.7s				
TIY	comp=Z,8um,14.2s				
WB0	Warramunga Arr 40.88 121	P	P	11 09 00.0 +1.3	
WB0		P	P		
WB9	Warramunga Arr 40.89 121	P	P	11 09 00.0 +1.3	
WB9		P	P		
WB8	Warramunga Arr 40.89 121	P	P	11 09 00.0 +1.3	
WB8		P	P		
WB6	Warramunga Arr 40.90 121	P	P	11 09 00.0 +1.3	
WB6		P	P		
WC1	Warramunga Arr 40.90 121	P	P	11 09 00.0 +1.3	
WC1		P	P		
WB5	Warramunga Arr 40.91 121	P	P	11 09 00.0 +1.3	
WB5		P	P		
WRA	Warramunga Arr 40.91 121	P	P	11 08 45.6 -1.6	
WRA		P	P		
WRA	comp=Z,4.9nm,0.6s,baz=301,slow=9.0,SNR=334				
WRA	comp=Z,3.5nm,0.8s,baz=313,slow=2.6,SNR=5.0				
WRA	comp=Z,2um,21.4s,baz=295,slow=37				
WB4	Warramunga Arr 40.91 121	P	P	11 09 00.0 +1.3	
WB4		P	P		
WR1	Warramunga Arr 40.91 121	P	P	11 09 00.0 +1.3	
WR1		P	P		
WB3	Warramunga Arr 40.92 121	P	P	11 09 00.0 +1.3	
WB3		P	P		
WRAB	Tennant Creek 40.92 121	P	P	11 08 44.9 -2.3	
WRAB		P	P	11 08 46.4 -0.8	
WRAB	comp=Z,54nm,0.6s				
WRAB		P	P		
WC4	Warramunga Arr 40.92 121	P	P	11 09 00.0 +1.3	
WC4		P	P		
WB2	Warramunga Arr 40.92 121	P	P	11 08 46.3 -1.0	
WB2		P	P		
WC2	Warramunga Arr 40.93 121	P	P	11 09 00.0 +1.3	
WC2		P	P		
WR2	Warramunga Arr 40.93 121	P	P	11 09 00.0 +1.3	
WR2		P	P		
WC3	Warramunga Arr 40.95 121	P	P	11 09 00.0 +1.3	
WC3		P	P		
WR3	Warramunga Arr 40.95 121	P	P	11 09 00.0 +1.2	
WR3		P	P		
WR4	Warramunga Arr 40.97 121	P	P	11 09 00.0 +1.2	
WR4		P	P		
WR5	Warramunga Arr 40.99 121	P	P	11 09 00.0 +1.2	
WR5		P	P		
WR6	Warramunga Arr 41.01 121	P	P	11 09 00.0 +1.2	
WR6		P	P		
WR7	Warramunga Arr 41.03 121	P	P	11 09 00.0 +1.2	
WR7		P	P		
WR8	Warramunga Arr 41.05 121	P	P	11 09 00.0 +1.2	
WR8		P	P		
WR9	Warramunga Arr 41.07 121	P	P	11 09 00.0 +1.2	
WR9		P	P		
WR0	Warramunga Arr 41.09 121	P	P	11 09 00.0 +1.1	
WR0		P	P		
BTO	Baotou 41.75 14	P	P	11 08 54.0 +0.2	
FORT	Forrest 42.04 140	P	P	11 08 57.9 +1.6	
FORT	comp=Z,500nm,0.7s				
FORT		P	P		
ASAR	Alice Springs 42.23 127	P	P	11 08 57.4 -0.6	
ASAR		P	P		
ASAR	comp=Z,290nm,0.8s,baz=299,slow=7.5,SNR=337				
ASAR	comp=Z,5.3nm,0.8s,baz=304,slow=2.6,SNR=5.8				
ASAR	comp=Z,5.7nm,1.2s,baz=294,slow=1.5,SNR=10				
ASAR	comp=Z,0.2nm,0.6s,baz=328,slow=0.9,SNR=5.2				
ASAR	comp=Z,3um,20.5s,baz=308,slow=30				
AS31	Alice Springs 42.23 127	P	P	11 08 57.7 -0.3	
AS31		P	P		
AS01	Alice Springs 42.26 127	P	P	11 08 57.6 -0.7	
HHC	Hu-ho-hao-te 42.37 15	P	P	11 09 00.3 +1.4	
HHC		P	P	11 10 42.3 +4.8	
HHC		P	P	11 15 23.5 +4.9	
HHC		P	P	11 18 52.0 -7.1	
HHC	comp=Z,83nm,1.3s				
HHC	comp=Z,1um,5.4s				
HHC	comp=Z,12um,14.7s				
HHC	comp=Z,5um,15.1s				
HHC	comp=Z,9um,14.5s				
MSEY	Mahe Island 42.62 263	P	P	11 09 10.0 +8.7	
MSEY		P	P		
BJT	Baijiautau 43.04 21	P	P	11 09 04.4 +0.2	
BJT		P	P		
BJT	comp=Z,184nm,1.1s				

BJT	comp=Z,4um,20.0s	43.04 21	eP	P	11 09 04.4 +0.2
BJT	Baijiautau 43.04 21	eP	P		
KBL	Kabul 43.56 325	P	P	11 09 20.0 +1.1	
KBL		P	P		
KSH	Kashi 44.00 335	P	P	11 09 10.8 -1.3	
KSH		P	P	11 09 17.5 -3.2	
KSH		P	P	11 09 20.0 -4.2	
KSH		P	P	11 10 55.5 +0.5	
KSH		P	P	11 10 57.5 0.0	
KSH		P	P	11 14 46.0 -1.6	
KSH		P	P	11 15 39.0 -3.6	
KSH		P	P	11 18 48.5 -1.2	
KSH		P	P	11 19 04.5 -4.8	
KSH	comp=Z,14nm,0.6s				
KSH	comp=Z,220nm,6.9s				
KSH	comp=Z,770nm,10.3s				
KSH	comp=Z,1um,15.8s				
DL2	Dalian 44.29 27	P	P	11 09 14.5 +0.2	
DL2		P	P	11 09 26.0 -0.3	
DL2		P	P	11 15 52.5 +6.0	
DL2	comp=Z,110nm,1.0s				
DL2	comp=Z,870nm,4.8s				
DL2	comp=Z,4um,17.3s				
DL2	comp=Z,3um,14.8s				
DL2	comp=Z,4um,21.5s				
WMQ	Urumqi 44.42 349	P	P	11 09 16.5 +1.2	
WMQ		P	P	11 09 22.0 -2.0	
WMQ		P	P	11 09 25.0 -2.4	
WMQ		P	P	11 10 10.0 +1.7	
WMQ		P	P	11 15 49.0 +0.6	
WMQ		P	P	11 15 59.8 +1.4	
WMQ		P	P	11 18 58.8 -9.4	
WMQ		P	P	11 19 14.0 +2.3	
WMQ	comp=Z,220nm,1.1s				
WMQ	comp=Z,2um,4.9s				
WMQ	comp=Z,4um,16.5s				
WMQ	comp=Z,5um,22.1s				
WSAR	Wadi Sarin 44.49 304	P	P	11 09 16.9 +0.7	
WSAR		P	P		
BIDO	Bidbid 45.03 304	P	P	11 09 25.0 +4.6	
BIDO		P	P		
JNU	Nakatsue 45.15 40	P	P	11 09 20.4 -0.9	
JNU		P	P		
TJN	Taejon 45.24 34c	P	P	11 09 21.0 -0.9	
SFK	Sufi-Kurgan 45.47 334	P	P	11 09 24.1 +0.1	
SFK		P	P		
INCN	Inchon 45.65 32	eP	P	11 09 24.0 -1.2	
INCN		P	P		
INCN	comp=Z,4um,21.0s				
QIS	Mount Isa 45.70 119	P	P	11 09 25.1 -0.7	
QIS		P	P		
SHLS	Shalkode 45.88 341	eP	P	11 09 23.4 -3.7	
SHLS		P	P		
SHLS	comp=Z,596nm,1.2s				
UZY	Uzynbulak 46.02 341	eP	P	11 16 03.7 -6.0	
UZY		P	P	11 09 25.5 -2.6	
UZY	comp=Z,454nm,0.9s				
PDGK	Podgornoye 46.03 341	eP	P	11 16 07.6 -4.2	
PDGK		P	P	11 09 28.6 +0.4	
PDGK	comp=Z,93nm,1.1s				
ZHN	Zhinishe 46.23 340	eP	P	11 09 27.4 -2.5	
ZHN		P	P		
ZHN	comp=Z,292nm,1.2s				
RER	Riviere de l'E 46.27 240	P	P	11 32 20.0	
RER		P	P		
RER	comp=Z,575nm,14.4s				
KS15	Wonju Array Si 46.30 33	eP	P	11 09 30.3 0.0	
KSAR	Wonju Array Be 46.30 33	P	P	11 09 29.9 -0.4	
KSAR	Wonju Array Bi 46.30 33	P	P	11 09 29.9 -0.4	
KS01	Wonju Array Se 46.33 33	eP	P	11 09 30.3 -0.2	
KSRS	Korea Array 46.33 33	P	P	11 09 29.9 -0.6	
KSRS		P	P		
KSRS	comp=Z,64nm,0.8s,baz=217,slow=7.8,SNR=109				
KPKS	Kokpek 46.41 341	eP	P	11 30 40.9	
KPKS		P	P		
KPKS	comp=Z,3um,18.3s,baz=204,slow=38				
MDOK	Mdede 46.71 339	eP	P	11 09 31.0 -2.6	
MDOK		P	P		
MDOK	comp=Z,489nm,0.7s				
MDOK	comp=Z,246nm,1.5s				
DZET	Dzherino 46.79 329	P	P	11 09 32.6 -1.7	
DZET		P	P		
DZET	comp=Z,864nm,18.5s				
UCH	Uchtor 46.88 336	P	P	11 09 36.2 +0.9	
UCH		P	P		
UCH	comp=Z,35nm,0.7s				
COEN	Coen 46.98 109	P	P	11 09 50.0 +1.4	
COEN		P	P		
COEN	comp=Z,3um,21.0s				
TKM2	Tokmak 2 47.04 338	P	P	11 09 37.2 +0.9	
TKM2		P	P		
TKM2	comp=Z,3um,21.0s				
AML	Almayashu 47.13 335	P	P	11 09 38.2 +1.0	
UOSS	Minazif 47.22 305	eP	P	11 09 37.2 -0.5	
UOSS		P	P		
AAK	Ala-Archa 47.23 336	P	P	11 09 38.7 +1.0	
AAK		P	P		
AAK	comp=Z,17nm,1.3s				
AAK	comp=Z,1.4nm,0.7s,baz=168,slow=7.0,SNR=32				
AAK	comp=Z,2um,21.1s,baz=138,slow=38				
AAK	comp=Z,7.2nm,0.7s,baz=67,slow=2.4,SNR=5.0				
AAK	comp=Z,2um,21.1s,baz=138,slow=38				
AAK	Ala-Archa 47.23 336c	P	P	11 30 58.9	
AAK		P	P		
AAK	comp=Z,17nm,1.0s				
AAK	Ala-Archa 47.23 336	P	P	11 09 37.1 -0.6	
AAK		P	P		
AAK	SNR=17	P	P		
AAK	Ala-Archa 47.23 336	eP	P	11 09 38.7 +1.0	
AAK		P	P		
AAK	comp=Z,38nm,1.1s				
HATD	Hatta, Dubai 47.23 304	P	P	11 11 10.2 +1.5	
HATD		P	P		
HATD	Hatta, Dubai 47.23 304	P	P	11 09 38.6 +0.7	
HATD		P	P		
HATD	SNR=8.0	P	P		
HATD	Hatta, Dubai 47.23 304	P	P	11 09 42.0 +4.2	
HATD		P	P		
FRU	Bishkek 47.34 337	eP	P	11 09 42.0 +4.2	
FRU		P	P		
FRU		P	P		
FRU		P	P		
FRU	comp=Z,500nm,2.6s				
FRU		P	P		
CHMS	Chumysh 47.43 337	P	P	11 09 39.7 +0.6	
CHMS		P	P		
EKS2	Erkin-Say 47.54 336	P	P	11 09 41.2 +1.2	
EKS2		P	P		
KUU	Kurty 47.60 339	eP	P	11 09 37.9 -2.5	
KUU		P	P		
KUU	comp=Z,311nm,1.3s				
KUJ	Nazwa, Dubai 47.69 304	eP	P	11 16 30.5 -3.5	
KUJ		P	P		
USP	Ospenovka 47.76 337	P	P	11 09 42.1 +0.7	
USP		P	P		



MGZ	comp=Z,4j,m,21.0s	79.13 135	eP	P	11 13 09.0	-0.1
SUR	McQueen's Vall					
SUR	comp=Z,275nm,1.8s	79.17 237	PFAKE	LR	11 13 20.0	+1.0
SYO	Sutherland					
SYO	comp=Z,2j,m,19.0s					
SYO	Syowa Base	79.23 198j	eP	P	11 13 09.0	-0.1
SYO	Syowa Base	79.23 198j	eP	P	11 13 17.4	-0.8
SYO	Syowa Base	79.23 198j	eP	P	11 13 18.8	+1.5
LVO	L'vov	79.50 321	eP	P	11 13 12.8	+1.7
KHZ	Kahutara	79.53 133	eP	P	11 13 11.7	+0.3
KHZ	comp=Z,65nm,1.4s					
HERR	comp=Z,5j,m,22.0s					
KRUS	Herculan	79.61 316j	iP	P	11 13 11.3	-0.5
LVZ	Krusevo	79.88 312	iP	P	11 13 11.9	-1.5
LVZ	Lovozero	80.04 340	PFAKE	LR	11 13 30.0	+1.6
MNZV	comp=Z,2j,m,20.0s					
MDVO	Moldovita	80.09 315j	iP	P	11 13 14.0	-0.4
SNZO	South Karori	80.22 132	PFAKE	LR	11 13 30.0	+1.5
BZS	Buzias	80.30 316j	iP	P	11 13 15.3	-0.1
APA	Apaitiy	80.34 339j	iP	P	11 13 14.8	-0.4
APA	comp=Z,18nm,0.8s					
SIRR	comp=Z,3j,m,28.0s					
UZH	Siria	80.38 317j	iP	P	11 13 16.1	+0.2
UZH	Uzhgorod	80.38 319	eP	P	11 13 14.8	-1.0
MSVF	Nonsavu	80.68 108	PFAKE	LR	11 13 22.6	
MSVF	comp=Z,1j,m,20.0s					
TIR	Tirane	80.90 312	PFAKE	LR	11 13 30.0	+1.1
SUW	comp=Z,529nm,19.0s					
SUW	Suwalki	80.92 325	eP	P	11 13 18.1	-0.4
CRVS	Suwalki	80.92 325	eP	P	11 13 18.1	-0.4
CRVS	Cervenica-Dubn	80.97 320	eP	P	11 13 19.1	+0.1
CRVS	Cervenica-Dubn	80.97 320	eP	P	11 13 19.1	+0.1
STHS	Stebnicka Huta	81.20 320	eP	P	11 13 21.2	+1.0
STHS	comp=Z,15nm,0.8s					
STHS	Stebnicka Huta	81.20 320	eP	P	11 13 21.1	+0.9
FAI1	FINESS Array S	81.23 332	eP	P	11 13 19.9	-0.2
FINES	FINESS Array B	81.23 332	eP	P	11 13 19.9	-0.2
FINES	comp=Z,12nm,0.7s,baz=95,slow=5.2,SNR=35					
BKZ	Black Stump Fm	81.27 130	eP	P	11 13 20.8	-0.1
FUNA	Funafuti	81.44 99	PFAKE	LR	11 13 30.0	+7.8
PDG	comp=Z,3j,m,20.0s					
KECS	Podgorica	81.50 313j	iP	P	11 13 21.2	-0.7
KECS	Kecovo	81.54 319	eP	P	11 13 21.8	-0.2
KECS	comp=Z,25nm,2.1s					
KECS	Kecovo	81.54 319	eP	P	11 13 21.8	-0.2
URZ	Urewera	81.64 129	eP	P	11 13 22.7	-0.1
NIE	comp=Z,19nm,1.0s					
NIE	Niedzica	81.81 320	eP	P	11 13 24.1	+0.6
NIE	Niedzica	81.81 320	eP	P	11 13 24.1	+0.6
PSZ	Piszkesteto	81.84 318j	iP	P	11 13 23.4	-0.3
PSZ	Piszkesteto	81.84 318	eP	P	11 13 23.4	-0.3
PSZ	comp=Z,22nm,1.1s					
PSZ	Piszkesteto	81.84 318	eP	P	11 13 23.4	-0.3
BILL	Bilbino	81.89 21j	eP	P	11 13 24.0	+0.5
BILL	comp=Z,216nm,1.7s					
BILL	Bilbino	81.89 21j	eP	P	11 24.44.2	
BILL	comp=Z,239nm,2.1s					
OJC	Ojcow	82.26 321	eP	P	11 13 25.9	+0.1
OJC	Ojcow	82.26 321	eP	P	11 13 25.9	+0.1
OJC	comp=Z,20nm,1.0s					
VYHS	Vyhne	82.62 319	eP	P	11 13 27.4	-0.3
VYHS	Vyhne	82.62 319	eP	P	11 13 27.4	-0.3
OKC	Ostrava-Krasne	83.26 320	eP	P	11 13 31.8	+0.9
OKC	Ostrava-Krasne	83.27 169	eP	P	11 13 31.9	+0.9
BLY	Banja Luka	83.28 315	eP	P	11 13 31.0	-0.2
KEV	Kevo	83.31 341	eP	P	11 13 30.8	0.0
KEV	comp=Z,208nm,1.9s					
KEV	Kevo	83.31 341	eP	P	11 13 30.8	0.0
MODS	Modra-Piesok	83.64 319	eP	P	11 13 32.0	-1.0
MODS	Modra-Piesok	83.64 319	eP	P	11 13 32.0	-1.0
MORC	Moravsky Berou	83.64 320	eP	P	11 13 33.0	0.0
MORC	comp=Z,215nm,1.7s					
MORC	Moravsky Berou	83.64 320	eP	P	11 13 33.0	0.0
ARCES	ARCCESS Array B	83.74 340	P	P	11 13 33.3	+0.2
ARCES	comp=Z,27nm,0.9s,baz=96,slow=4.3,SNR=41					
CUC	comp=Z,695nm,18.1s,baz=109,slow=40					
CUC	Castrojuco	83.81 310	eP	P	11 13 33.8	-0.3
CUC	comp=Z,7.4nm,0.9s					
KOGS	comp=Z,336nm,20.0s					
KRLC	Kog	84.11 317	eP	P	11 13 35.3	-0.1
KRLC	Kraliky	84.16 320j	eP	P	11 13 35.8	+0.1
KRLC	Kraliky	84.16 320	eP	P	11 13 40.0	-0.8
KRLC	Kraliky	84.16 320	eP	P	11 13 35.8	+0.1
DPC	Dobruska-Polom	84.49 320j	iP	P	11 13 46.1	+0.3
DPC	Dobruska-Polom	84.49 320j	iP	P	11 13 46.1	+0.3
DPC	Dobruska-Polom	84.49 320j	iP	P	11 13 46.1	+0.3
WDD	Wied Dalam	84.52 306	PFAKE	LR	11 13 50.0	+1.2
WDD	comp=Z,719nm,19.0s					
CONA	Conrad Observa	84.53 318	iP	P	11 13 36.9	-0.7
KSP	Ksiaz	84.56 321	eP	P	11 13 38.3	+0.7
KSP	Ksiaz	84.56 321	eP	P	11 13 38.3	+0.7
VNDA	Vanda	84.67 169	eP	P	11 13 38.2	+0.6
VNDA	comp=Z,2.8nm,1.1s,baz=162,slow=3.2,SNR=3.4					
VNDA	Vanda	84.67 169	eP	P	11 13 46.7	-0.1
VNDA	comp=Z,6.3nm,0.9s,baz=314,slow=5.3,SNR=6.9					
ARSA	Arzberg	84.69 317	iP	P	11 13 38.6	+0.2
UPC	Ujice	84.70 321j	eP	P	11 13 38.6	+0.3
UPC	Ujice	84.70 321j	eP	P	11 13 38.6	+0.3
BOJS	Bojanci	84.71 316	iP	P	11 13 38.3	-0.2
SOKA	Soboth	84.97 317	iP	P	11 13 39.8	-0.1
LJU	Ljubljana	85.27 316	eP	P	11 13 41.2	-0.1
OBKA	Obir	85.29 317	iP	P	11 13 41.2	-0.3
MIDW	Midway	85.30 62	PFAKE	LR	11 13 50.0	+8.2
MIDW	comp=Z,1j,m,22.0s					
GOPC	GO Pecny, Ondr	85.42 320j	eP	P	11 13 41.3	-0.7
GOPC	GO Pecny, Ondr	85.42 320j	eP	P	11 13 41.3	-0.7
PRU	Pruhonic	85.59 320j	eP	P	11 13 42.2	-0.6
PRU	Pruhonic	85.59 320j	eP	P	11 13 51.7	-0.3
PRU	Pruhonic	85.59 320j	eP	P	11 13 42.2	-0.6
PRU	Pruhonic	85.59 320j	eP	P	11 13 51.7	-0.3
MOA	Molin	85.59 318	iP	P	11 13 42.4	-0.5
PVCC	Panska Ves	85.62 321j	eP	P	11 13 43.1	+0.2
PVCC	Panska Ves	85.62 321j	eP	P	11 13 43.1	+0.2
CLTB	Cantabellotta	85.67 308	PFAKE	LR	11 14 00.0	+1.6
CLTB	comp=Z,221nm,19.0s					
TRI	Trieste	85.77 316	eP	P	11 13 43.2	-0.6
TRI	comp=Z,9.0nm,0.7s					
TRI	Trieste	85.77 316	eP	P	11 13 43.2	-0.6
SBA	Scott Base	85.77 169	PFAKE	LR	11 13 50.0	+6.9
SBA	comp=Z,1j,m,20.0s					
AQU	L'Aquila	85.81 312	eP	P	11 13 44.5	+0.4
AQU	comp=Z,41nm,1.0s					
AQU	L'Aquila	85.81 312	eP	P	11 13 44.5	+0.4
AQU	comp=Z,792nm,21.0s					
AQU	L'Aquila	85.81 312	eP	P	11 13 44.5	+0.4
AQU	comp=Z,41nm,1.0s					
MYKA	Terra Mystica	85.92 317	iP	P	11 13 45.3	+0.7
GEAO	GERRSS Array S	86.04 319	eP	P	11 13 45.2	0.0
GEAO	GERRSS Array B	86.04 319	eP	P	11 13 45.4	+0.2
GEAO	comp=Z,18nm,1.2s					
GEAO	GERRSS Array S	86.04 319	eP	P	11 13 45.4	+0.2
GEAO	comp=Z,18nm,1.2s					
GERES	GERRSS Array B	86.04 319	eP	P	11 13 45.6	+0.4
GERES	comp=Z,6.3nm,0.9s,baz=97,slow=4.6,SNR=20					
GERES	GERRSS Array B	86.04 319	eP	P	11 13 45.6	+0.4
GERES	comp=Z,6.3nm,1.0s,baz=103,slow=5.9,SNR=7.1					
GERES	GERRSS Array B	86.04 319	eP	P	11 13 45.6	+0.4
GERES	comp=Z,7.0nm,1.0s					
GERES	comp=Z,6.0nm,1.0s					
BRG	Bergjieshubel	86.05 321	eP	P	11 13 44.7	-0.3
BRG	comp=Z,26nm,1.5s					
BRG	Bergjieshubel	86.05 321	eP	P	11 13 44.7	-0.3
BRG	Bergjieshubel	86.05 321	eP	P	11 13 44.7	-0.3
BRG	comp=Z,27nm,1.5s					
KHC	Kasperke Hory	86.14 319j	eP	P	11 13 46.7	+1.1
KHC	Kasperke Hory	86.14 319	eP	P	11 13 45.5	-0.3
KHC	Kasperke Hory	86.14 319	eP	P	11 13 46.7	+1.1
KHC	Kasperke Hory	86.14 319	eP	P	11 13 46.7	+1.1
KBA	Kobelnasper	86.16 317	iP	P	11 13 43.8	-2.1
COLL	Collin	86.67 321	eS	P	11 13 48.0	-0.1
COLL	comp=Z,600nm,18.8s					
COLL	Collin	86.67 321	eS	P	11 13 48.0	-0.1
COLL	comp=N,500nm,23.4s					
COLL	Collin	86.67 321	eS	P	11 25 34.0	
COLL	Collin	86.67 321	eS	P	11 32 02.0	
COLL	comp=N,400nm,20.2s					
COLL	Collin	86.67 321	eS	P	12 02 00.0	
COLL	comp=E,400nm,18.0s					
COLL	Collin	86.67 321	eS	P	12 02 00.0	
ABTA	Abfaltersbach	86.70 317	iP	P	11 13 47.0	-1.5
NKC	Novy Kostel	86.95 320j	eP	P	11 13 51.5	+2.0
NKC	Novy Kostel	86.95 320j	eP	P	11 13 51.5	+2.0
WTKA	Wattenberg	87.33 317	iP	P	11 13 51.5	-0.1
WATA	Walderalm	87.38 317	iP	P	11 13 51.7	-0.1
MOTA	Moosalm	87.70 317	iP	P	11 13 51.5	-1.9
RETA	Reutte	87.93 317	iP	P	11 13 54.2	-0.2
RETA	Feichten	87.94 317	iP	P	11 13 54.3	-0.3
RETA	comp=Z,12nm,1.2s					
RETA	Feichten	87.94 317	iP	P	11 13 54.3	-0.3
NC405	NORSAR Array S	88.00 331	eP	P	11 13 55.2	+0.8
NC405	NORSAR Array S	88.00 331	eP	P	11 13 55.9	+1.3
VLC	Villaclemand	88.09 314	eP	P	11 13 53.7	-1.4
VLC	comp=Z,16nm,1.1s					
SPB1	Spitsbergen Ar	88.10 348	eP	P	11 13 54.2	-0.3
SPB2	Spitsbergen Ar	88.10 348	eP	P	11 13 54.2	-0.3
SPA1	Spitsbergen Ar	88.11 348	eP	P	11 13 54.2	-0.3
SPA2	Spitsbergen Ar	88.11 348	eP	P	11 13 54.2	-0.3
SPB3	Spitsbergen Ar	88.11 348	eP	P	11 13 54.2	-0.3
SPB4	Spitsbergen Ar	88.11 348	eP	P	11 13 54.2	-0.3
SPB5	Spitsbergen Ar	88.11 348	eP	P	11 13 53.8	-0.7
SPB6	Spitsbergen Ar	88.11 348	eP	P	11 13 54.0	-0.6
SPB7	Spitsbergen Ar	88.11 348	eP	P	11 13 54.3	-0.2
SPB8	Spitsbergen Ar	88.11 348	eP	P	11 13 54.3	-0.2
NB2	NORSAR Subarra	88.24 331	P	P	11 13 55.0	-0.5
NB2	NORSAR Subarra	88.24 331	P	P	11 13 55.0	-0.5
NOA	NORSAR Array B	88.24 331	P	P	11 13 55.4	-0.1
NOA	comp=Z,6.0nm,0.9s,baz=94,slow=4.8,SNR=11					
NOA	NORSAR Array B	88.24 331	P	P	11 14 05.0	+0.3
NOA	comp=Z,9.0nm,0.9s,baz=94,slow=4.8,					



27d 11h

Table with columns: BOZ, Bozeman (W), 127.53, 26, PFAKE, LR, 11 20 20.0 +10, etc. Lists various astronomical objects and their properties.

2011 NOV

Table with columns: MVCO, Mesa Verde, 135.53, 30, ePKPdf, LR, 11 20 25.3 0.0, etc. Lists various astronomical objects and their properties.

1470

Table with columns: MIAR, Mount Ida, 143.85, 16, P, PKPbc, 11 20 37.9 0.0, etc. Lists various astronomical objects and their properties.

1471

Table with columns: HKT, Hockley, 147.34, 22, ePKP2, PKPbc, 11 20 49.2 +0.7, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, etc.

2011 NOV

Table with columns: AXS, Riolos of Patr, 1.69, 120, S, Sb, 11 18 23.8 -0.5, etc.

ISCJB 27 11:19:08.9±0.2, 33°70'N, 0°04'137.13E±0.04, h363km, 2km, mb4.1/32, Error ellipse: s-maj=5.9km, s-min=4.6km, az=149.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, etc.

27d 12h

Table with columns: YHNB, Yeheng, 16.44, 241, ePcP, PcP, 11 27 09.1 -1.1, etc.

27d 13h

mb1mx3.7/38, mbtmp3.9/8, ML3.7/1, Error ellipse: s-maj=73.9km s-min=18.2km az=53.0, ISCJB 27 12:15:16.2.0.5, 4.27N:0.05:95.78E:0.05, h50km, mb4.4/15, Error ellipse: s-maj=8.6km s-min=4.9km az=43.3, DJA 27 12:15:16.6.0.9, 4.2N:3.9'6E:1, h18km, 5km, M4.0/6, mb4.3/1, MLV3.9/6, NEIC 27 12:15:17.9.2.6, 4.27N:95.70E, h51km, 20km, mb4.5/8, Error ellipse: s-maj=30.6km s-min=7.8km az=61.0, ISC 27 12:15:17.3.0.7, 4.14N:0.05:95.76E:0.07, h50km, n42, r1538/47, mb4.3/15, Northern Sumatara

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like MLI51 Meulaboh, LHMI Lhok Sumawe, CMAR Chiang Mai Arr, etc.

ISCJB 27 12:16:14.7.1.1, 5.4S:0.2:151.4E:0.2, h57km, mb3.8/7, MS3.5/3, Error ellipse: s-maj=37.8km s-min=11.1km az=33.9, IDC 27 12:16:18.3.5.6, 5.46S:151.39E, h75km, 45km, mb3.6/7, ms1.3/9, mb1mx3.6/28, mbtmp3.4/0, ML2.4/1, MS3.5/3, Ms1.3.5/3, ms1mx3.0/28, Error ellipse: s-maj=50.0km s-min=25.3km az=106.0, ISC 27 12:16:16.1.1, 5.4S:0.2:151.5E:0.2, h57km, n13, r107/11, mb3.7/7, MS3.5/3, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like PMG Port Moresby, CTA Charters Tower, WRA Warramunga Arr, etc.

IDC 27 12:21:16.6.2.3, 30.74S:177.22W, h0km, mb3.5/3, mb1.3/7, mb1mx3.6/24, mbtmp3.5/3, MS3.6/1, Ms1.3.6/1, ms1mx2.7/19, Error ellipse: s-maj=51.0km s-min=35.0km az=11.0, ISC 27 12:21:20.1.2.1, 30.7S:0.1:177.3W:0.3, h24km, n7, r0517/7, mb3.6/3, Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like RAO Raoul Island, URZ Urewera, STKA Stephens Creek, etc.

JMA 27 12:29:34.1.0.2, 38.27N:144.54E, h39km, M3.5, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like OFUJ Ofunato.

2019 NOV

Table with columns: MIYJ Miyakonagasawa, JIO Ouri, JIMK Ichinoseki, etc. Lists stations and their coordinates.

GUC 27 10:54.9.0.5, 23.8AS:67.29W, h227km, 10km, ML3.9, 4D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like LVC Limon Verde, IPOC Station P, etc.

IDC 27 12:33:49.4.2.1, 3.38S:127.43E, h0km, mb2.9/2, mb1.3/2, mb1mx3.1/37, mbtmp3.0/3, ML3.2/1, Error ellipse: s-maj=191.0km s-min=26.9km az=66.0, Seram

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 27 12:38:52.0.7.7, 21.90S:178.48W, h625km, 55km, mb3.5/4, mb1.3/7, mb1mx3.1/38, mbtmp4.7/6, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like RAO Raoul Island, DZM Mont Dzumac, etc.

IDC 27 12:44:22.7.5.6, 30.04S:133.93W, h0km, mb4.1/3, mb1.4/1, mb1mx3.7/23, mbtmp4.1/3, MS3.8/3, Ms1.3.8/3, ms1mx3.3/21, Error ellipse: s-maj=166.2km s-min=38.3km az=163.0, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like H10S2 ASCENSION HYDR20.98 358, etc.

IDC 27 13:01:00.0.3.8, 19.69S:175.24W, h0km, mb3.7/2, mb1.4/0, mb1mx3.6/20, mbtmp3.7/2, MS3.4/4, Ms1.3.4/4, ms1mx3.0/3, Error ellipse: s-maj=311.4km s-min=76.5km az=162.0, Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like DZM Mont Dzumac, PZM Papeete, etc.

VIE 27 13:15:21.1.0.6, 51.43N:16.14E, h0km, ML2.4/5, Error ellipse: s-maj=4.4km s-min=2.3km az=26.0, Suspected Mining Induced

ISCJB 27 13:15:22.4.0.9, 51.41N:0.04:16.09E:0.04, h0km, Error ellipse: s-maj=6.0km s-min=3.4km az=26.0, CSEM 27 13:15:22.6.0.7, 51.47N:16.12E, h2km, ML3.0/8, Error ellipse: s-maj=10.1km s-min=5.9km az=17.4, PRU 27 13:15:23.9.51.45N:16.14E, h0km

WAR 27 13:15:23.9.51.45N:16.09E, h1km, Mw2.3, ISC 27 13:15:22.9.1.4, 51.48N:0.07:16.17E:0.03, h0km, n30, r0659/56, Poland

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like KSP Ksiaz, UPC Upiece, etc.

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Table with columns: DPC Dobruska-Polom, PVCC Panska Ves, etc. Lists stations and their coordinates.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like CLM Collm, OKC Ostrava-Krasne, etc.

DJA 27 13:24:33.4.1.9, 2.5S:8.14E, h10km, M4.5/2, MLV4.5/2, IDC 27 13:24:34.3.1.1, 2.21S:139.94E, h0km, mb3.7/7, mb1.4/0, mb1mx3.8/35, mbtmp3.8/8, ML4.1/1, MS3.2/4, Ms1.3.2/4, ms1mx2.9/33, Error ellipse: s-maj=38.7km s-min=19.2km az=93.0, ISCJB 27 13:24:36.5.0.6, 2.27S:0.07:140.04E:0.07, h33km, mb3.7/7, MS3.2/3, Error ellipse: s-maj=11.7km s-min=7.7km az=44.5, ISC 27 13:24:38.3.0.7, 2.32S:0.08:140.12E:0.09, h35km, n14, r1533/13, mb3.8/7, MS3.2/3, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like GENI Genyem, JAY Jayapura, etc.

JMA 27 13:42:28.7.0.2, 37.96N:144.46E, h33km, M3.7, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like OFUJ Ofunato, MIYJ Miyakonagasawa, etc.

ISK 27 13:43:04.4, 38.87N:43.55E, h4km, MD2.4, DDA 27 13:43:04.4, 38.90N:43.61E, h7km, M12.8, CSEM 27 13:43:05.1.0.4, 38.91N:43.60E, h2km, MD2.4, Error ellipse: s-maj=9.8km s-min=5.5km az=105.0, ISC 27 13:43:05.2.1.4, 38.89N:0.03:43.56E:0.06, h6km, 10km, n12, r052/22, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like VMUR Van-Muradiye, VAN Van, etc.



27d 14h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like POLO, GUD, PCAB, ELOB, PBRG, PGAV, ECAL, ETOR, EMUR, EAGO, YSOS, YAR, YAS, YSIG, YAL, YATE, YPCIG.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CCIG, TXAR, YKA, ILAR, CMAR, PMG, WRA, ASAR, FITZ, MKAR, ILAR, CD2, LZH, XAN, GYA, GTA, CMAR, SONM, WMQ, KSAR, CN2, MKAR, AAK, ZALV, ALKAR, ARCES, AKASO, FINES, WRAB, ASAR, NOA, YKA, AFI, MAN.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC, PMG, WRA, ASAR, FITZ, KRSR, CMAR, MKAR, KURBB, ZALV, ASAR, GCMT, NEIC, IDC, AFI, AFI, AFI, MSFV, RAR, RAR, RAR, DZM, DZM, DZM, DZM, DZM, OUZ, URZ, URZ, URZ, URZ, PAE, PAE, PPT2, PPT2, PPT2, PPT2, PPT, PPT, TBI, TBI, TBI, TBI, TIAR, TVO, TVO, THZ, HNR, LTZ, OXZ, RPZ, RPZ, WHZ, EIDS, EIDS, ARMA, RMQ.

IDC 27 13:54:43.5-4.3, 15°12'N-91°56'W, h0km, mb3.6/2, mb1 3.9/4, mb1mx3.5/39, mbtmp3.5/4, ML3.8/2, Error ellipse: s-maj=115.2km s-min=55.5km az=23.0

MEX 27 13:54:59.7-0.7, 15°13'N-92°76'W, h107km, 60km, MD3.9

ISC 27 13:54:58.5-2.0, 15°11'N-92°75'W, 0.09h, h10km, n8, 0°08'12, Mexico-Guatemala border region

MAN 27 14:18:18.973N:126°28'E, h16km, mb3.7, ML2.4, MS1.9, 1D, Mindanao

Code Station Name Az Az' Phase ID Time Res h m s ISC

SCUP Surigao 0.78 274 J/P Op ISC h m s ISC

BUTP Butuan 1.00 221 eP Pn 14 18 36.0 -0.9

MSLP Maasin 1.45 286 eS S 14 18 47.9 -1.9



27d 15h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include ACX Acapulco, YAIG Yautepac, TLIG Tlapa, etc.

MAN 27 14:59:27,9:30N:125:96E, h12km, mb3.5, ML2.2, MS1.6, 1C, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include BUTP Butuan, SCPH Surigao, MSLP Maasin, etc.

BEO 27 15:08:50.1, 2.3, 36.48N: 21.71E, h0km, M3.7/8

DC 27 15:09:12.5, 1.1, 38.47N: 21.78E, h0km, mb3.9/9, mb1 3.9/13, mb1 mx3.7/46, mbmp3.7/13, ML3.3/4, Error ellipse: s-maj=19.2km s-min=17.0km az=57.0

CSEM 27 15:09:13.7, 0.1, 38.34N: 21.80E, h5km, ML3.8, Error ellipse: s-maj=2.6km s-min=1.9km az=57.0

ATH 27 15:09:13.4, 38.34N: 21.79E, h18km, ML3.4/29, Error ellipse: s-maj=0.9km s-min=0.6km az=171.0

THE 27 15:09:13.8, 38.34N: 21.78E, h0km, 1km, ML3.7/7, Error ellipse: s-maj=1.8km s-min=0.5km az=219.0

PDG 27 15:09:13.7, 0.4, 38.35N: 21.78E, h11km, ML3.4/9, Error ellipse: s-maj=0.5km s-min=0.6km az=0.0

ISCJB 27 15:09:13.4, 0.2, 38.36N: 0.01, 21.76E, 0.02, h13km, 2km, mb4.0/10, Error ellipse: s-maj=2.6km s-min=2.0km az=144.2

IASPEI 27 15:09:13.8, 0.8, 38.35N: 0.01, 21.77E, 0.02, h13km, 5km, mb4.0/10, Error ellipse: s-maj=2.3km s-min=2.7km az=206.0

az=101.9, GTS selection from ISC bulletin GTS identified by Bond jr and McLaughlin (2009) selection criteria Bond jr and McLaughlin. A new ground data set for seismic studies, <A>Seism. Res. Lett., <B>80</B>, 465-472, 2009

NEIC 27 15:09:17.4, 0.8, 38.47N: 21.75E, h36km, 9km, mb4.3/2, Error ellipse: s-maj=9.6km s-min=7.7km az=216.0

ISC 27 15:09:14.0, 0.7, 38.34N: 0.01, 21.77E, 0.01, h12km, 4km, n299, s1912/370, mb4.0/10, 30C-13D, Greece

Main table for station data with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include UPRI University Cam, LAKA Lakka, SERG Sergoula, TRIZ Trizonia, ANX Ano Chora, KALE Kalithea, PVO Paravola, AXS Araxos, RLS Riolos of Patr, etc.

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Main table for event data with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include EVR Evrytania, DES Desfina, GUR Goura, VTN Vitineika, etc.

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Main table for station data with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include PTL Penteli, EREA Eretria, EREA Eretria, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KUBS Kucevo, TEKS Tekeris, FGLS Fruska Gora, etc.

NIED 27 15:18:00, 37.00N, 140.60E, h5km, Mw3.8 Best double couple: M6.490000°, 171.357°0.0000°, 331.00000°, 1-92.00000°. NP2=180.00000°, 359.00000°.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ONAJ Iwakimizuishi, JFK Kawauchi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MJAR Matsushiro, MAT Matsushiro, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ZALV Zalesovo Beam, MKAR Makanchi Array, etc.

ISCJB 27 15:24:51.61, 3.30, 30.3S, 0.3, 13.9W, 0.2, h10km, mb4.2/7, MS3.9/16, Error ellipse: s-maj=45.1km s-min=18.0km az=13.9

IDC 27 15:24:51.8, 1.6, 30.28S, 13.87W, h0km, mb4.2/7, mb1 4.2/7, mb1mx3.9/28, mbtmp4.2/7, MS3.9/16, Ms1 3.8/16, ms1mx3.7/22, Error ellipse: s-maj=54.9km s-min=22.0km az=15.0

ISC 27 15:24:53.51, 5.30, 30.3S, 0.4, 13.9W, 0.2, h10km, n25, c=080.8, mb4.1/7, MS3.9/16, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like H09W1 TRISTAN DA CUN, H10S2 ASCENSION HYDR21, etc.

ISCJB 27 15:52:35.2, 0.8, 39.05N, 0.03, 43.69E, h8km, Mb3.8, Error ellipse: s-maj=9.2km s-min=4.6km az=17.2

CSEM 27 15:52:35.4, 0.4, 39.05N, 43.69E, h5km, MD2.6, Error ellipse: s-maj=10.9km s-min=5.9km az=101.0

DDA 27 15:52:35.2, 39.06N, 43.65E, h7km, MD2.6

ISK 27 15:52:35.3, 39.06N, 43.69E, h5km, MD2.4

ISC 27 15:52:35.3, 1.2, 39.06N, 0.02, 43.70E, 0.05, h3km, 14km, n14, c=966/28, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like VMUR Van-Muradiye, DYND Diyadin, etc.

NIED 27 15:55:00, 29.60N, 129.80E, h8km, Mw3.9 Best double couple: M6.370000°, 101.4° NP1=99.00000°, 843.00000°, 1-86.00000°. NP2=273.00000°, 847.00000°, 1-93.00000°.

ISCJB 27 15:55:32.0, 2.5, 29.59N, 0.03, 129.84E, 0.06, h18km, 5km, mb3.6/7, MS2.8/3, Error ellipse: s-maj=10.1km s-min=3.3km az=25.5

JMA 27 15:55:32.0, 2.1, 29.62N, 129.82E, h14km, 2km, M3.9

IDC 27 15:55:39.2, 2.7, 29.67N, 129.92E, h67km, 26km, mb3.4/7, mb1 3.6/10, mb1mx3.4/29, mbtmp3.6/10, MS2.9/4, Ms1 2.9/4, ms1mx2.7/15, Error ellipse: s-maj=26.3km s-min=16.4km az=80.0

ISC 27 15:55:31.6, 1.1, 29.57N, 0.03, 129.89E, 0.06, h7km, 8km, n24, c=192/32, mb3.5/7, MS2.8/3, Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JNN Nakanoshima, JTAJ Takarajima, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JNU 6.5nm, 0.3s, baz=204, etc.

IDC 27 16:24:48.0, 3.2, 10.82S, 119.92E, h0km, mb3.4/1, mb1 3.4/3, mb1mx3.3/20, mbtmp3.2/3, ML3.1/2, Error ellipse: s-maj=260.5km s-min=29.7km az=49.0, Sumba region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, etc.

BKK 27 16:42:46.0, 2.18, 1N, 110E, h0km, M2.4/14, MLV2.4/14, Thailand

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LAMP Lampang, CHTO Chiang Mai, etc.

IDC 27 16:45:27.9, 0.8, 25.90N, 128.71E, h0km, mb3.8/8, mb1 4.0/9, mb1mx3.7/48, mbtmp3.9/9, ML4.1/1, Error ellipse: s-maj=34.9km s-min=18.9km az=80.0

NEIC 27 16:45:29.5, 0.5, 25.86N, 128.57E, h10km, mb4.2/1, Error ellipse: s-maj=11.7km s-min=8.7km az=126.0

JMA 27 16:45:32.6, 0.3, 26.02N, 128.66E, h4km, M4.1

ISC 27 16:45:28.5, 1.8, 25.92N, 0.04, 128.73E, 0.04, h9km, 11km, n37, c=171/53, mb3.9/9, Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JNTH Nagatoyohara, JNTJ Tamagusuku 2, etc.











27d 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Damavand, Ghazvin, QAM, etc.

ISC 27 19:48:01.4, 38.82N, 43.55E, h12km, MD2.4
ISCJB 27 19:48:02.0, 7.38, 84N, 0.03, 43.59E, h13km, 5km,
Error ellipse: s-maj=8.7km, s-min=4.5km, az=21.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like VMUR, VANB, TVAN, etc.

ISC 27 19:53:18.2, 0.9, 43.30N, 0.05, 105.15W, h05km, n18,
c=27/24, Wyoming

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like K22A, PHWY, RWY, etc.

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Table with columns: ISCO, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Idaho Springs, White River Ci, Long Hollow, etc.

ISCJB 27 19:56:37.7, 0.2, 14.21S, 0.03, 75.93W, 0.04, h33km,
mb5.1/156, MS4.5/22, Error ellipse: s-maj=6.1km,
s-min=3.4km, az=137.0

IDC 27 19:56:37.5, 4.1, 14.34S, 76.10W, h21km, 25km, mb4.5/16,
mb1.4/7.21, mb1mx4.6/29, mbtmp4.7/21, ML4.5/4, MS4.5/22,
Ms1.4.5/22, ms1mx4.4/25, Error ellipse: s-maj=22.2km,
s-min=12.1km, az=53.0

MOS 27 19:56:37.5, 1.5, 14.24S, 76.05W, h33km, mb5.1/35,
MS4.3/5, Error ellipse: s-maj=17.5km, s-min=6.8km,
az=117.1

SCB 27 19:56:38.2, 0.7, 14.13S, 75.77W, h29km, M4.6/1, Error
ellipse: s-maj=19.9km, s-min=15.7km, az=162.0

NEIC 27 19:56:39.2, 0.2, 14.33S, 75.92W, h35km, mb5.2/139,
ML5.7(ARE), Error ellipse: s-maj=8.7km, s-min=4.3km,
az=55.0

NEIC Felt [III] at Ica and [II] at Pisco. Also felt at Chinchita Alta
and Nazca.

GCMT 27 19:56:39.2, 0.3, 14.55S, 76.32W, h37km, 1km, MW5.2/91,
Moment Tensor Solution. s47,c65; s91,c131; Duration:
1s0 Moment tensor: Scale 10^17Nm; Mw:0.14±0.02;
Mw0:0.59±0.02; Mw0-0.74±0.02; Mw-0.08±0.02; Mw0.35±0.02;
Mw-0.39±0.03; Best double couple: Mo0.84200x10^17
NP1.0x30.00000°, 890.00000°, λ-153.00000°. NP2:
φ=300.00000°, δ=63.00000°, λ=0.00000°. Principal axes: T
0.7380, P1g18.0000°, Azm162.0000°; N 0.2080,
P1g63.0000°, Azm30.0000°; P -0.9460, P1g18.0000°,
Azm255.0000°; nst1 refers to body waves, cutoff=40s.
nsta2 refers to surface/mantle waves, cutoff=50s.

BUJ 27 19:56:41.5, 14.30S, 75.70W, h40km, mb5.4/20, MS5.4/8,
MS7.5/12

ISC 27 19:56:38.2, 0.3, 14.43S, 0.05, 76.09W, h29km, n552,
c1946/543, mb5.2/152, MS4.5/22, 9C-1D, Near coast of
Peru

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like NNA, NNA, NNA, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like TLIG, LNIG, 347A, etc.

WCI Wyandotte Cave	53.25 350	eP	P	20 05 51.9	-2.3
WCI comp=Z,43nm,1.0s		pmax	pmax		
WCI Wyandotte Cave	53.25 350	eP	P	20 05 51.9	-2.3
WCI comp=Z,43nm,1.0s					
T414 Mountain View	53.28 344	P	P	20 05 54.0	-0.5
baz=161					
R47A Woolly Knot Far	53.35 350	P	P	20 05 53.5	-1.4
baz=167					
V36A Jenks	53.36 340	P	P	20 05 55.0	-0.1
baz=156					
V36A Jenks	53.36 340	eP	P	20 05 54.1	-0.9
comp=Z,28nm,1.0s					
TUL1 Leonard	53.42 340	P	P	20 05 55.3	-0.2
baz=156,SNR=8.1					
TUL1 Leonard	53.42 340	eP	P	20 05 53.9	-1.7
comp=Z,31nm,0.9s					
WMOK Wichita Mounta	53.44 337	P	P	20 05 55.3	-0.4
baz=152					
WMOK Wichita Mounta	53.44 337	eP	pmax	20 05 54.3	-1.4
WMOK comp=Z,25nm,1.4s					
WMOK Wichita Mounta	53.44 337	eP	P	20 05 54.3	-1.4
WMOK comp=Z,25nm,1.4s					
R46A Gibon Southern	53.45 349	P	P	20 05 55.5	-0.1
baz=166					
OK020 N3440 Road, Me	53.45 339	eP	P	20 05 54.4	-1.3
comp=Z,43nm,1.0s					
OK021 N3530 Road, Sp	53.46 339	eP	P	20 05 55.4	-0.4
comp=Z,25nm,1.1s					
U38A Gravette	53.46 342	P	P	20 05 55.9	+0.1
baz=158					
SDMD Soldier's Deli	53.56 359	eP	P	20 05 57.1	+0.7
comp=Z,7.4nm,0.8s					
T40A Mansfield	53.59 344	P	P	20 05 56.1	-0.6
baz=160					
V35A Meyer Ranch, C	53.64 339	P	P	20 05 56.8	-0.4
baz=155					
V35A Meyer Ranch, C	53.64 339	eP	P	20 05 56.9	-0.3
comp=Z,7.9nm,1.8s					
U37A Salina	53.66 341	P	P	20 05 57.3	0.0
baz=157,SNR=5.5					
R45A Skylar, Fairfri	53.67 348	P	P	20 05 56.6	-0.8
baz=165,SNR=5.3					
T39A Clever	53.71 343	P	P	20 05 57.6	0.0
baz=159					
MNTX Cornudas Mount	53.79 329	P	P	20 05 58.2	-0.2
baz=144,SNR=15					
MNTX Cornudas Mount	53.79 329	eP	P	20 05 56.4	-2.0
comp=Z,21nm,1.3s					
S41A Jillico Farms,	53.79 345	P	P	20 05 57.5	-0.7
baz=161,SNR=12					
R44A Waltonville	53.80 347	P	P	20 05 58.0	-0.2
baz=164					
Q47A Bedford North L	53.96 350	P	P	20 05 58.6	-0.8
baz=167					
T38A Diamond	53.99 342	P	P	20 05 59.6	0.0
baz=158,SNR=7.0					
S40A Lebanon	54.00 344	P	P	20 05 59.5	-0.3
baz=160					
R43A Red Bud	54.01 347	P	P	20 05 58.4	-1.4
baz=163					
OLIL Olney	54.06 348	eP	P	20 05 59.4	-0.7
comp=Z,29nm,0.8s					
U35A Pawnee	54.16 339	P	P	20 06 01.0	+0.1
baz=155					
U35A Pawnee	54.16 339	eP	P	20 05 59.0	-1.9
comp=Z,28nm,0.9s					
Q45A Warren Harvey,	54.23 348	P	P	20 06 00.7	-0.6
baz=165					
S39A Bolivar	54.31 343	P	P	20 06 01.5	-0.5
baz=159,SNR=6.5					
R41A Rosebue	54.37 345	P	P	20 06 01.9	-0.5
baz=162,SNR=6.1					
Q44A Meyer Farm, Va	54.41 348	P	P	20 06 02.0	-0.7
baz=164,SNR=6.0					
S38A Stockton	54.42 343	P	P	20 06 02.7	-0.1
baz=158,SNR=6.3					
MSTX Muleshoe	54.43 333	P	P	20 06 02.8	-0.3
baz=148,SNR=9.8					
O56A Blue Knob Stat	54.46 358	P	P	20 06 02.4	-0.7
baz=17					
P47A Martinsville	54.47 350	P	P	20 06 02.2	-0.9
baz=168					
T36A Boggs Farm, Ca	54.50 341	P	P	20 06 03.6	+0.2
baz=156					
T35A Sooner Cattle	54.58 340	P	P	20 06 04.4	+0.4
baz=155,SNR=7.9					
R40A Maddies Statio	54.59 344	P	P	20 06 03.5	-0.5
baz=160,SNR=7.8					
AMTX Amarillo	54.73 334	P	P	20 06 04.7	-0.5
baz=149					
Q42A Golden Eagle	54.75 346	P	P	20 06 04.6	-0.6
baz=163					
P46A Rosedale	54.76 349	P	P	20 06 04.3	-0.9
baz=167					
P45A Graceland, Par	54.77 349	P	P	20 06 04.0	-1.3
baz=166,SNR=6.1					
S37A Fort Scott	54.82 342	P	P	20 06 05.3	-0.3
baz=158,SNR=8.6					
R39A Chumby, Stover	54.82 344	P	P	20 06 05.1	-0.6
baz=160					
T34A McClaskey Farm	54.90 339	P	P	20 06 06.3	0.0
baz=153,SNR=7.7					
R38A Fenwick Farm,	54.94 343	P	P	20 06 06.1	-0.5
baz=159					
Q41A Truxton	54.96 346	P	P	20 06 06.0	-0.6
baz=162					
S36A Lake Cedric, C	55.02 341	P	P	20 06 07.2	0.0
baz=157					
N59A State Game Lan	55.06 0	P	P	20 06 07.3	-0.2
baz=180					
S35A Otter Creek Ra	55.21 340	P	P	20 06 08.6	0.0
baz=158					
P43A Skaggs, Pawnee	55.23 347	P	P	20 06 07.7	-0.9
baz=164					
Q42A Winchester	55.35 347	P	P	20 06 08.8	-0.7
baz=161					
P39A Willow Grove F	55.49 344	P	P	20 06 10.0	-0.4
baz=160					
R36A Gordon, Harris	55.54 342	P	P	20 06 10.6	-0.3
baz=157					
Q38A Cooks Store, C	55.58 343	P	P	20 06 10.9	-0.3
baz=159,SNR=8.9					
319A Douglas	55.58 325	eP	P	20 06 11.8	+0.3
P41A Barry, Barry	55.60 346	P	P	20 06 10.6	-0.7
baz=162					
121A Cookes Peak, D	55.68 327	P	P	20 06 13.3	+1.0
baz=142,SNR=12					
P40A Paris	55.70 345	P	P	20 06 11.6	-0.5
baz=161					
R35A Emporia Muncip	55.76 341	P	P	20 06 12.1	-0.3
baz=156,SNR=5.7					
P39B Salisbury	55.84 344	P	P	20 06 12.4	-0.7
baz=160,SNR=6.6					
Q42A Bath	55.88 347	P	P	20 06 12.4	-0.9
baz=163					
O41A Passleys Farm,	55.98 346	P	P	20 06 13.1	-0.9
baz=162					
R34A Isabella, Hill	56.08 340	P	P	20 06 14.7	0.0
baz=155					
P38A Dawn	56.18 344	P	P	20 06 14.9	-0.5
baz=159					
Q35A Mercer Eighty,	56.20 341	P	P	20 06 15.4	-0.2
baz=156					
O40A La Belle	56.22 345	P	P	20 06 14.9	-0.8
baz=161					
BNM Barren Site	56.38 330	eP	P	20 06 16.0	-1.3
N43A Stutzman Famil	56.41 348	P	P	20 06 16.0	-1.0
baz=165					
N42A Yates City	56.48 347	P	P	20 06 16.5	-1.0
baz=164					
LPM Los Pinos Moun	56.51 330	eP	P	20 06 16.7	-1.5
N41A Harden Midland	56.54 347	P	P	20 06 17.0	-1.0
baz=163,SNR=5.2					
Q34A Chapman	56.54 341	P	P	20 06 17.9	-0.2
baz=155					
KSU1 Kansas State U	56.60 341	eP	P	20 06 16.1	-2.3
comp=Z,15nm,0.8s					
P36A Good Intent, A	56.65 342	P	P	20 06 18.1	-0.7
baz=158					
P35A Duane Minner,	56.81 342	P	P	20 06 19.3	-0.6
baz=157,SNR=5.5					
LAZ Ladron	56.83 329	eP	P	20 06 19.1	-1.3
TRY Troy	56.92 2	eP	P	20 06 21.1	+0.5
ANMO Albuquerque	56.94 330	P	P	20 06 22.0	+0.8
baz=144					

ANMO Albuquerque	56.94 330	d/P	P	20 06 21.7	+0.5
ANMO comp=Z,23nm,1.1s		pmax	pmax		
ANMO Albuquerque	56.94 330	eP	P	20 06 21.3	+0.1
comp=Z,20nm,0.8s					
N39A Derby Farms, D	57.09 345	P	P	20 06 21.3	-0.6
baz=161					
TUC Tucson	57.12 325	P	P	20 06 23.2	+0.8
baz=139					
TUC Tucson	57.12 325	eP	pmax	20 06 21.5	-0.9
TUC comp=Z,19nm,0.9s					
TUC Tucson	57.12 325	eP	P	20 06 21.5	-0.9
comp=Z,19nm,0.9s					
N38A Joes South For	57.20 345	P	P	20 06 22.1	-0.6
baz=160					
M40A Post Highland	57.36 346	P	P	20 06 22.8	-0.9
baz=161					
CBKS Cedar Bluff	57.40 338	P	P	20 06 24.5	+0.4
baz=152					
CBKS Cedar Bluff	57.40 338	eP	pmax	20 06 20.4	-3.8
CBKS comp=Z,40nm,1.3s					
CBKS Cedar Bluff	57.40 338	eP	P	20 06 20.4	-3.8
comp=Z,40nm,1.3s					
O34A Beatrice	57.61 341	P	P	20 06 25.1	-0.5
baz=156					
N36A Nut Res, Fla, Cl	57.68 343	P	P	20 06 25.8	-0.3
baz=158					
O33A Hebron	57.80 341	P	P	20 06 26.6	-0.3
baz=155					
T25A Trinidad	57.81 333	P	P	20 06 27.6	+0.2
baz=147,SNR=10.0					
T25A Trinidad	57.81 333	eP	P	20 06 26.3	-1.1
comp=Z,19nm,1.0s					
MHTCO State Highway	57.92 333	eP	P	20 06 29.0	+0.9
comp=Z,4nm,0.9s					
M37A Trindle Farm,	57.98 344	P	P	20 06 28.0	-0.2
baz=159					
214A Organ Pipe Nat	58.01 323	P	P	20 06 29.8	+1.2
baz=137,SNR=12					
X18A Cowflake	58.36 327	eP	P	20 06 32.5	+1.3
J43A Natural Harves	58.62 349	P	P	20 06 32.1	-0.5
baz=166					
KSCO Kaye Shedlock	58.66 336	P	P	20 06 33.4	+0.2
SDCO Great Sand Dun	58.79 333	P	P	20 06 34.7	+0.5
baz=146,SNR=27					
SDCO Great Sand Dun	58.79 333	eP	P	20 06 34.2	-0.1
comp=Z,24nm,1.0s					
J40A Solders Grove	59.09 348	P	P	20 06 35.1	-0.8
baz=163					
K37A Belmont	59.15 345	P	P	20 06 35.9	-0.4
baz=160					
113A Michaux Valley,	59.16 323	eP	P	20 06 37.4	+0.8
comp=Z,10nm,0.6s					
J39A Decorah	59.24 347	P	P	20 06 36.0	-0.9
baz=162					
K36A Gilmore City	59.24 344	P	P	20 06 36.7	-0.2
baz=159					
S22A 4UR Ranch, Cr	59.39 332	P	P	20 06 39.2	+0.7
baz=145,SNR=13					
S22A 4UR Ranch, Cr	59.39 332	eP	P	20 06 38.8	+0.3
comp=Z,12nm,0.9s					
Y14A Wickenburg	59.58 325	eP	P	20 06 40.5	+1.1
Q24A Divide	59.66 334	P	P	20 06 40.4	+0.1
baz=147,SNR=12					
Q24A Divide	59.66 334	eP	P	20 06 40.9	+0.6
comp=Z,21nm,1.1s					
I39A Houston	59.69 347	P	P	20 06 39.1	-0.9
baz=162					
MVCO Mesa Verde	59.74 330	P	P	20 06 41.3	+0.5
baz=143,SNR=11					
MVCO Mesa Verde	59.74 330	eP	P	20 06 40.2	-0.5
comp=Z,16nm,1.0s					
J36A Seneca 1, Swea	59.86 345	P	P	20 06 40.8	-0.4
baz=159					
WU4Z Wupatki	59				

Table with columns: Station, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Peak, Elevation Peak, Azimuth Valley, Elevation Valley, 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 Spread, Elevation Spread, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Peak, Elevation Peak, Azimuth Valley, Elevation Valley, 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: Station, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Peak, Elevation Peak, Azimuth Valley, Elevation Valley, 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: Station, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Peak, Elevation Peak, Azimuth Valley, Elevation Valley, 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: Station Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like SDKM Sandakan, KDM Kota, KKM Kudat, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like SAK Sakalokanor, SRKT Srakaew, MNSI Mendang Nat, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like NWAO Narrogin (SRO), NWAO Xian, NWAO XAN, etc.





Table with columns: Station Name, Time, Res, and various codes. Includes stations like SORM Soroca, CFR Carcaliu, and many others.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like W37B Quinton, Y36A Durant, and many others.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like SVAN, SVAN, KOPT, and many others.

ISCJB 27 20:31:49.6:0.5, 33:69N:0.03:35:81E:0.04, h10km, 5km, Error ellipse: s-maj=6.3km s-min=4.1km az=164.2

CSEM 27 20:31:50.2:0.3, 33:70N:35:82E, h4km, ML2.9

GRAL 27 20:31:50.2:0.3, 33:70N:35:82E, h5km, 7km, MD2.9

ISC 27 20:31:49.7:0.9, 33:69N:0.02:35:81E:0.04, h13km, 9km, n18, <0:52/31, Jordan-Vyria region

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like QRWL Qaraoun, RCWL Qaraoun, and many others.

KRSC 27 20:35:16.8:10.0, 49:17N:156:78E, h41km, 10km, ML3.8, Kuril Islands

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like SKR Severo-Kuril's, SKR Khodutka, Kamc, and many others.

NEIC 27 20:46:58.6:0.0, 17:92N:101:48W, h37km, MD4.0(MEX), After MEX.

MEX 27 20:46:58.8:0.0, 17:95N:101:48W, h27km, 11km, MD4.0, Near coast of Guerrero

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like ZIIG Zihuatanejo, ZIIG Zihuatanejo, and many others.





27d 23h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BASK, BASKALE\_VAN, HANUR-AGRY, KARACOBAN, etc.

JMA 27 22:59:54.8, 26:52N, 130:17E, h45km, M3.6, Southeast of Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JMZ, JOKE, JTK, JOW, etc.

IDC 27 23:01:24.2, 2.4, 201:14S, 167:82E, h0km, mb3.8/4, Mb1 4.0/5, mb1mx3.8/28, mbtmp3.8/5, ML3.2/1, MS3.2/5, Ms1 3.2/5, ms1mx2.8/37, Error ellipse: s-maj=62.1km, s-min=26.4km az=122.0, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM, WRA, ASAR, FITZ, CMAR, ILAR, etc.

ATA 27 23:16:14.3, 0.7, 38:77N, 43:44E, h1km, 2km, MD3.5, ML3.6, MW3.5

ISCJB 27 23:16:16.7, 0.4, 38:79N, 0:02, 43:53E, 0:03, h4km, 4km, Error ellipse: s-maj=4.7km, s-min=3.0km az=13.6

CSEM 27 23:16:16.1, 0.2, 38:78N, 43:54E, h2km, MD3.2, Error ellipse: s-maj=4.2km, s-min=2.8km az=116.0

DDA 27 23:16:16.3, 38:79N, 43:49E, h7km, M3.2

ISC 27 23:16:17.0, 0.8, 38:77N, 0:02, 43:52E, 0:02, h13km, 6km, n56, r156/91, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VANB, VMUR, CMAR, ILAR, etc.

2011 NOV

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TUTA, AGRB, EKAR, etc.

ISC 27 23:41:45.8, 38:68N, 43:14E, h16km, MD2.3

CSEM 27 23:41:46.5, 0.2, 38:70N, 43:15E, h15km, MD2.3, Error ellipse: s-maj=6.4km, s-min=3.8km az=83.0

DDA 27 23:41:46.7, 38:67N, 43:12E, h7km, M2.5

ISC 27 23:41:46.7, 1.3, 38:69N, 0:03, 43:16E, 0:04, h15km, 9km, n14, r043/24, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VANB, ERVC, GEVA, etc.

ISC 27 23:43:34.4, 38:91N, 43:58E, h18km, MD2.5

CSEM 27 23:43:35.0, 0.4, 38:95N, 43:60E, h10km, ML2.5, Error ellipse: s-maj=8.2km, s-min=6.2km az=90.0

DDA 27 23:43:35.4, 38:98N, 43:54E, h6km, M2.5

ISC 27 23:43:35.0, 1.0, 38:93N, 0:03, 43:59E, 0:03, h11km, 7km, n15, r069/23, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VMUR, ERVC, VANB, etc.

ISCJB 27 23:44:50.6, 0.9, 21:4S, 0:2, 179:3W, 0:2, h604km, mb3.8/7, Error ellipse: s-maj=23.7km, s-min=16.4km az=147.8

IDC 27 23:44:52.4, 2.0, 21:39S, 179:31W, h610km, 24km, mb3.2/7, mb1 3.5/8, mb1mx3.2/39, mbtmp4.2/8, Error ellipse: s-maj=29.0km, s-min=14.2km az=156.0

ISC 27 23:44:51.8, 0.9, 21:4S, 0:2, 179:3W, 0:2, h604km, n12, r1508/15, mb4.0/7, Fiji Islands Region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like URZ, STKA, ASAR, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FITZ, MJAR, TXAR, CMAR, ILAR, etc.

ISCJB 27 23:53:53.3, 0.3, 0.2, 72S, 0:05, 80:06W, 0:06, h48km, mb4.3/38, Error ellipse: s-maj=10.4km, s-min=4.6km az=149.6

IDC 27 23:53:54.5, 5.2, 2:70S, 80:06W, h46km, 27km, mb3.7/11, mb1 4.0/15, mb1mx3.9/30, mbtmp4.0/15, ML4.0/3, MS3.2/1, Ms1 3.2/1, ms1mx2.7/24, Error ellipse: s-maj=25.2km, s-min=17.3km az=64.0

NEIC 27 23:53:57.0, 0.6, 2:81S, 80:07W, h70km, 5km, mb4.5/27, Error ellipse: s-maj=7.1km, s-min=3.9km az=65.0

NEIC Felt lightly at Guayaquil, ISC 27 23:53:54.8, 0.5, 2:83S, 0:06, 80:2W, 0:1, h48km, n189, r049/136, mb4.4/38, Near east of Ecuador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OTAV, ATAH, ROSA, NNA, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like U36A Oologah, T38A Diamond, S40A Lebaron, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like PD31 Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like TWC baz=195, ENTT Nioudou, ENTT Nioudou, etc.

MEX 28 00:18:06.9, 0.9, 16:89N, 94:82W, h117km, 16km, MD3.8, Oaxaca. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

WEL 28 00:28:38.8, 1.4, 37:19S, 179:45E, h0km, mb4.5/4, mb1 4.7/5, mb1mx4.2/4, mbtmp4.5/5, ML4.3/1, MS3.6/3, MS1 3.5/3, ms1mx3.0/25, Error ellipse: s-maj=51.0km, s-min=26.0km az=15.0.

NEIC 28 00:28:39.0, 0.0, 37:40S, 179:92E, h33km, ML4.4(WEL), After WEL. ISC 28 00:28:38.6, 2.7, 37:63S, 0:07x179:85E, 0:07, h15km, 14km, n110, 1520/113, mb4.5/4, 5C-3D, Off east coast of North Island.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WMGZ Waionatani S, WMGZ Waionatani S, WMGZ Waionatani S, etc.

ISC 27 23:54:29.9, 1.2, 2:32N, 125:18E, h0km, mb3.5/5, mb1 3.8/5, mb1mx3.5/34, mbtmp3.6/5, Error ellipse: s-maj=63.4km s-min=20.4km az=79.0, Talaud Islands.

ISC 27 23:55:49.9, 0.2, 5:38N, 142:44E, h0km, mb3.2/2, mb1 3.4/3, mb1mx3.1/34, mbtmp3.1/3, ML2.7/1, MS2.2/1, Ms1 2.2/1, ms1mx2.1/1, Error ellipse: s-maj=47.2km s-min=37.1km az=65.0.

JMA 27 23:55:49.9, 0.1, 37:98N, 141:87E, h53km, 1km, M3.7. ISC 27 23:55:48.8, 2.1, 38:00N, 142:0E, 0:1, h51km, 17km, n117, 1800/25, Off east coast of Honshu.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JIO Ouri, JIO Marumori, JIM Marumori, etc.

TAP 28 00:15:34.2, 25:61N, 122:17E, h231km, 1km, ML3.6, 6. D. JMA 28 00:15:35.5, 0.3, 25:21N, 122:17E, h227km, 4km, M2.9. ISCJCB 28 00:15:36.1, 1.4, 25:4N, 0:2x122:25E, 0:06, h17km, 17km, Error ellipse: s-maj=39.2km s-min=3.0km az=3.9.

ISC 28 00:15:36.3, 25:4N, 0:3, 122:22E, 0:07, h219km, 25km, n14, 10543/24, Taiwan region. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ALRZ, MRHZ, CKHZ, MCHZ, KAHZ, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like TATO Taipei, CMB Columbia Colle, MDJ Mudanjiang, etc.

ISC/JB 28 00:39:31.0, 0.5, 3.83N, 0.10, 32.47W, 0.08, h10km, mb4.1/17, MS3.9/28, Error ellipse: s-maj=14.9km, s-min=10.0km, az=149.5

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like RCBR Riachuelo, RCBR Babate, H10N3 ASCENSION HYDR21.35 123 T, etc.

ISC 28 00:39:32.7, 0.5, 3.74N, 0.08, 32.52W, 0.10, h10km, n49, 1949/25, mb4.1/17, MS4.0/28, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SHUT Suhut-Afyon, SHUT Suhut-Afyon, SHUT Kizilcal, etc.

ISC/JB 28 01:03:59.1, 38.67N, 30.87E, h9km, MD2.4, ISK 28 01:03:59.1, 38.67N, 30.87E, h9km, MD2.4, Turkey

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ELZG Elazig, ELZG Elazig, SVRC Sivrice-ELAZID, etc.

ISC/JB 28 01:05:26.8, 0.7, 38.41N, 0.07, 39.12E, 0.05, h9km, 7km, Error ellipse: s-maj=11.5km, s-min=6.5km, az=179.2

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BUJ 28 01:24:51.4, 5.29S, 154.85E, h135km, mb4.6/22, mb5.0/14, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like VANB Van, VANB Van, VANB Van, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, etc.

ISC/JB 28 01:03:59.1, 38.67N, 30.87E, h9km, MD2.4, ISK 28 01:03:59.1, 38.67N, 30.87E, h9km, MD2.4, Turkey

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ELZG Elazig, ELZG Elazig, SVRC Sivrice-ELAZID, etc.

ISC/JB 28 01:05:26.8, 0.7, 38.41N, 0.07, 39.12E, 0.05, h9km, 7km, Error ellipse: s-maj=11.5km, s-min=6.5km, az=179.2

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BUJ 28 01:24:51.4, 5.29S, 154.85E, h135km, mb4.6/22, mb5.0/14, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CTA Charters Tower, CTA Charters Tower, EIDS Eidsvold, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ARMA Armidale, AS01 Alice Springs, ASAR Alice Springs, etc.

VIE 28 01:27:20.0, 2.46, 44N:14:13E, h12km, mb2.3/11, ML2.4/19, Error ellipse: s-maj=2.0km s-min=1.2km az=1.0 CSEM 28 01:27:20.3, 0.1, 46:45N:14:11E, h2km, ML2.6/26, Error ellipse: s-maj=1.9km s-min=1.3km az=22.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CAD5 Cadrz, CRNS Crni Vrh, MYKA Terra Mystica, etc.

GROS Grobnik, GROS Grobnik, FVI Forni Avoltri, LEGS Legarie, LEGS Legarie, DOBS Dobrina, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ABTA Abfattersbach, CIMO Cimolais, ARSA Arzberg, etc.

DDA 28 01:28:37.9, 38:32N:42:06E, h7km, ML2.8 CSEM 28 01:28:38.0, 0.2, 38:33N:42:07E, h8km, ML2.8, Error ellipse: s-maj=5.0km s-min=4.3km az=68.0

CSEM 28 01:31:30.8, 39:39N:16:02E, h7km, MD1.9/7 ROM 28 01:31:30.8, 0.1, 39:39N:16:02E, h7km, Mdl1.9/7, MI1.1/6, Error ellipse: s-maj=1.6km s-min=1.3km az=24.0, Southern Italy

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GORS Gorjuse, MOZS Mojzjanca, OBKA Obir.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GORS Grobnik, FVI Forni Avoltri, LEGS Legarie, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MMN Mormanno, CUC Castruccio, SALB San Lorenzo Be.



28d 1h

Table with columns: SALB, 26nm, 0.3s, Sg, Sg, 01 31 40.8 +1.5, etc.

BJJ 28 01:44:19.2, 24:80S: 179:80E, h505km, mb4.8/35, mb5.1/23

MOS 28 01:44:19.3, 1.0, 24:75S: 179:77E, h502km, mb4.9/17, Error ellipse: s-maj=10.5km s-min=9.8km az=153.4

ISCJB 28 01:44:20.1, 0.5, 24:82S: 0.04: 179:70E: 0.03, h511km, 5km, mb4.8/134, Error ellipse: s-maj=5.7km s-min=3.8km az=159.1

NEIC 28 01:44:20.0, 0.1, 24:80S: 179:79E, mb4.9/96, Error ellipse: s-maj=5.4km s-min=4.0km az=145.0

IDC 28 01:44:20.0, 0.5, 24:77S: 179:80E, h501km, 4km, mb3.4/32, mb1.4/43, mb1mx4.4/43, mb1tmp5.1/33, Error ellipse: s-maj=9.7km s-min=7.8km az=171.0

ISC 28 01:44:19.7, 0.3, 24:78S: 0.04: 179:94E: 0.04, h505km, 3km, h505km: p-P, a483, r1: 98/557, mb4.8/134, 21C-20D, South of Fiji Islands

Main table for 28d 1h with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC

2011 NOV

Main table for 2011 NOV with columns: COEN, Coen, 36.21 280, P, P, 01 50 39.3 -0.3, etc.

1494

Main table for 1494 with columns: PETK, Petropavlovsk, 79.94 347, P, P, 01 55 36.1 +0.7, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like NONG Nongkai, CHAI Chaiyaphum, J04D Umpqua Nations, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like HHC, TRF Thorofore Moun, MVCO Mies Verde, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MKAR, KURK Kurchatov, KASHI, etc.



LKD2		S	Sb	03 23 31.7	+0.6	AGG	comp=E,1189µm,0.7s	AML	AML	03 24 13.7					
LKD2	Lefkada island	0.70	15	P	Sb	03 23 21.5	-0.1								
LKD2		P	Sb	03 23 31.7	+0.6	AGG	Agios Georgios	1.75	58	P	Pb	03 23 39.7	+0.2		
AXS	Araxos	0.76	84	P	Pg	03 23 21.0	-1.4	AGG	Agios Georgios	1.75	58	P	Pb	03 23 40.2	+0.7
AXS	Araxos	0.76	84	P	Pg	03 23 21.5	-0.9	THAL	Thalero	1.77	92	P	Pb	03 23 37.8	0.0
AXS	Araxos	0.76	84	P	Pg	03 23 21.5	-0.9	THAL	Thalero	1.77	92	P	Pb	03 23 37.8	0.0
PDO	Prodromos	0.77	51	P	Pg	03 23 22.0	-0.6	THAL	comp=E,705µm,0.7s			AML	AML	03 24 25.4	
PDO				AML	AML	03 23 41.5						AML	AML	03 24 29.6	
PDO	comp=N,3455µm,0.6s			AML	AML	03 23 44.4		THAL	comp=N,510µm,0.8s	1.77	92	P	Pg	03 23 37.8	0.0
PDO	Prodromos	0.77	51	P	Pg	03 23 22.2	-0.5	THL	Klokotos Trika	1.91	40	P	Pg	03 23 43.3	-1.1
PDO				P	Sg	03 23 31.4	-1.4	THL	comp=E,279µm,0.7s			AML	AML	03 24 16.1	
PDO	Prodromos	0.77	51	P	Pg	03 23 22.2	-0.5	THL	comp=N,210µm,0.7s			AML	AML	03 24 22.4	
PDO				P	Sg	03 23 31.4	-1.4	THL	Klokotos Trika	1.91	40	P	Pb	03 23 42.4	+0.2
RLS	Riolos of Patr	0.83	94	P	Pg	03 23 22.5	-1.2	THL	Klokotos Trika	1.91	40	P	Pb	03 23 42.4	+0.2
RLS				P	Sg	03 23 31.4	-1.4	THL	Prodromos	1.96	85	P	Pb	03 23 43.0	-0.1
RLS				P	Sg	03 23 22.5	-1.2	THL	Prodromos	1.96	85	P	Pb	03 24 07.6	+0.2
RLS				P	Sg	03 23 43.5		PROD	comp=E,187µm,0.8s			S	Sb	03 24 30.9	
RLS	comp=N,658µm,0.7s			AML	AML	03 23 44.9		PROD	comp=N,169µm,1.0s			AML	AML	03 24 31.7	
RLS	Riolos of Patr	0.83	94	P	Pg	03 23 23.0	-0.7	PROD	Prodromos	1.96	85	P	Pb	03 23 43.0	-0.1
RLS				P	Pg	03 23 23.0	-0.7	PROD				S	Sb	03 23 43.0	-0.1
PVO	Paravola	1.00	60	P	Pg	03 23 26.9	-0.1	PROD	comp=N,169µm,1.0s			AML	AML	03 24 31.7	
PVO				P	Sn	03 23 42.1	+1.0	PROD	Prodromos	1.96	85	P	Pb	03 23 43.0	-0.1
PVO				P	Sn	03 23 47.1		PROD				S	Sb	03 23 43.0	-0.1
PVO	comp=N,2370µm,0.6s			AML	AML	03 23 47.1		LTk	Loutraki	2.01	92	P	Pb	03 23 41.1	0.0
PVO	comp=E,2278µm,0.5s			AML	AML	03 23 47.5		LTk	comp=E,161µm,0.6s			AML	AML	03 24 14.8	
PVO	Paravola	1.00	60	P	Pg	03 23 26.7	-0.1	LTk	comp=N,183µm,1.0s			AML	AML	03 24 27.8	
PVO				P	Sb	03 23 38.6	-1.6	LTk	Loutraki	2.01	92	P	Pb	03 23 41.1	0.0
PVO	Paravola	1.00	60	P	Pg	03 23 26.7	-0.1	LKR	Lokris	2.10	74	P	Pb	03 23 45.1	-0.3
PVO				P	Sb	03 23 38.6	-1.6	LKR	comp=N,94µm,0.6s			AML	AML	03 24 34.6	
DRO	Drossia	1.03	99	P	Pb	03 23 27.3	0.0	LKR	comp=N,94µm,0.6s			AML	AML	03 24 36.5	
DRO				P	Pb	03 23 53.3		LKR	comp=E,72µm,0.7s			AML	AML	03 24 36.5	
DRO	comp=N,1039µm,0.7s			AML	AML	03 23 57.2		LKR	Lokris	2.10	74	P	Pb	03 23 45.1	-0.3
DRO	Drossia	1.03	99	P	Pb	03 23 27.1	-0.2	PENT	Pentalofos	2.15	15	P	Pb	03 23 47.1	+0.7
DRO				P	Pb	03 23 27.1	-0.2	PENT	comp=N,200µm,0.4s			AML	AML	03 24 30.4	
UPR	University Cam	1.09	81	P	Pn	03 23 29.2	+0.8	PENT	comp=N,172µm,0.7s			AML	AML	03 24 30.6	
UPR	University Cam	1.09	81	P	Pn	03 23 29.2	+0.8	PENT	Pentalofos	2.15	15	P	Pb	03 23 46.3	-0.1
DSL	Palaion Diesel	1.15	27	P	Pb	03 23 28.7	+0.6	PENT	Pentalofos	2.15	15	P	Pb	03 23 46.3	-0.1
DSL				P	Pb	03 23 52.0		VIL2	Platees	2.25	87	P	Pn	03 23 48.8	+1.4
DSL	comp=N,2219µm,0.5s			AML	AML	03 23 51.6		VIL2	comp=N,207µm,1.1s			AML	AML	03 23 39.4	
DSL	Palaion Diesel	1.15	27	P	Pb	03 23 29.1	-0.2	VIL2	comp=E,150µm,0.6s			AML	AML	03 23 45.8	+0.9
DSL				P	Sn	03 23 45.1	+0.3	VILL	Villia	2.28	88	P	Pn	03 23 47.2	+1.9
DSL	Palaion Diesel	1.15	27	P	Pb	03 23 29.1	-0.2	VILL	Didima	2.31	104	P	Pn	03 24 28.4	
DSL				P	Sb	03 23 45.1	+0.3	DID	comp=N,167µm,0.8s			AML	AML	03 24 32.0	
AMT	Artemida-Makis	1.18	119	P	Pg	03 23 30.1	-0.2	DID	comp=E,172µm,0.7s			AML	AML	03 24 32.0	
AMT				P	Pg	03 23 56.7		DID	Didima	2.31	104	P	Pn	03 23 47.2	+1.9
AMT				P	Pg	03 24 01.9		NEST	Nestorio	2.35	12	P	Pb	03 23 49.4	-0.4
AMT	comp=N,965µm,0.6s			AML	AML	03 24 01.9		NEST	comp=N,140µm,0.6s			AML	AML	03 24 31.3	
AMT	Artemida-Makis	1.18	119	P	Pg	03 23 30.1	-0.2	NEST	comp=N,140µm,0.6s			AML	AML	03 24 31.3	
AMT				P	Pg	03 23 29.2	-1.3	NEST	comp=N,140µm,0.6s			AML	AML	03 24 31.3	
LAKA	Lakka	1.23	84	P	Pn	03 23 29.9	-0.6	NEST	comp=N,154µm,0.8s			AML	AML	03 24 42.1	
LAKA				P	Pn	03 23 29.9	-0.6	NEST	Nestorio	2.35	12	P	Pb	03 23 49.4	-0.4
LAKA	Lakka	1.23	84	P	Pn	03 23 29.9	-0.6	NEST	Nestorio	2.35	12	P	Pb	03 23 49.4	-0.4
LAKA				P	Pn	03 23 29.9	-0.6	NEST	Nestorio	2.35	12	P	Pb	03 23 49.4	-0.4
ANX	Ano Chora	1.27	67	P	Pg	03 23 32.3	+0.1	NEST	Kozani	2.43	25	P	Pn	03 23 48.2	+2.3
ANX				P	Pg	03 23 32.3	+0.1	KZN	comp=N,170µm,0.6s			AML	AML	03 24 42.2	
MES3	Kyparissia	1.32	131	P	Pb	03 23 32.6	+0.6	KZN	comp=E,249µm,0.7s			AML	AML	03 24 42.6	
MES3	Kyparissia	1.32	131	P	Pb	03 23 32.6	+0.6	KZN	Kozani	2.43	25	P	Pn	03 23 48.2	+2.3
SERG	Sergoula	1.32	76	P	Pn	03 23 30.3	-1.4	KZN	comp=N,170µm,0.6s			AML	AML	03 24 42.2	
SERG				P	Pn	03 24 07.7		KZN	comp=E,249µm,0.7s			AML	AML	03 24 42.6	
SERG	comp=N,439µm,0.6s			AML	AML	03 24 09.3		KZN	Kozani	2.43	25	P	Pn	03 23 49.2	+2.3
SERG	Sergoula	1.32	76	P	Pn	03 23 31.2	-0.5	VLI	Veliai	2.44	124	P	Pn	03 23 47.9	+0.9
SERG				P	Pn	03 23 31.2	-0.5	VLI	comp=E,155µm,1.0s			AML	AML	03 24 51.1	
TRIZ	Trizonia	1.32	79	P	Pn	03 23 30.5	-1.2	VLI	comp=N,105µm,1.1s			AML	AML	03 24 55.6	
TRIZ	Trizonia	1.32	79	P	Pn	03 23 30.5	-1.2	VLI	Veliai	2.44	124	P	Pn	03 23 47.9	+0.9
EVR	Evyrytia	1.35	53	P	Pg	03 23 34.0	+0.3	VLY	Volia,Atenes	2.68	95	P	Pn	03 23 50.0	-0.3
EVR				P	Pg	03 23 55.2		VLY	comp=E,137µm,1.0s			AML	AML	03 24 38.6	
EVR	comp=N,563µm,0.9s			AML	AML	03 24 04.9		VLY	comp=N,135µm,1.4s			AML	AML	03 24 47.1	
EVR	Evyrytia	1.35	53	P	Pb	03 23 32.7	-0.1	VLY	Volia,Atenes	2.68	95	P	Pn	03 23 50.0	-0.3
EVR				P	Pb	03 23 32.7	-0.1	FNA	Florina	2.77	15	P	Pn	03 23 53.8	+2.2
KLV	Kalavryta, Ach	1.37	92	P	Pn	03 23 31.4	-1.0	FNA	comp=N,147µm,0.6s			AML	AML	03 24 50.4	
KLV				P	Pn	03 23 58.1		FNA	Florina	2.77	15	P	Pn	03 23 53.8	+2.2
KLV	comp=E,216µm,0.9s			AML	AML	03 24 06.8		FNA	comp=E,153µm,0.9s			AML	AML	03 24 50.4	
KLV	Kalavryta, Ach	1.37	92	P	Pn	03 23 32.2	-0.1	FNA	Florina	2.77	15	P	Pn	03 23 53.8	+2.2
KALE	Kalithia	1.38	78	P	Pn	03 23 31.7	-0.8	KRUS	Krusevo	3.01	5	P	Pn	03 24 08.6	+1.7
KALE				P	Pn	03 24 01.1		ULC	Ulcinj	3.95	347	P	Pn	03 24 08.6	+1.7
KALE	comp=N,396µm,0.4s			AML	AML	03 24 01.1		ULC	comp=N,396µm,0.4s			AML	AML	03 24 08.6	+1.7
KALE	Kalithia	1.38	78	P	Pn	03 23 32.7	+0.2	ULC	Ulcinj	3.95	347	P	Pn	03 24 08.6	+1.7
KALE				P	Pn	03 23 32.7	+0.2	ULC	Ulcinj	3.95	347	P	Pn	03 24 08.6	+1.7
IGT	Igoumenitsa	1.42	357	P	Pn	03 23 33.8	0.0	ULC	Ulcinj	3.95	347	P	Pn	03 24 08.6	+1.7
IGT				P	Pn	03 24 00.5		DRME	Dracevica, Mon	4.18	347	P	Pn	03 24 55.1	+1.1
IGT	comp=N,668µm,0.3s			AML	AML	03 24 00.5		DRME	Dracevica, Mon	4.18	347	P	Pn	03 25 00.8	+1.4
IGT	Igoumenitsa	1.42	357	P	Pn	03 23 33.8	0.0	DRME	Dracevica, Mon	4.18	347	P	Pn	03 24 11.9	+1.0
IGT				P	Pn	03 24 04.2		DRME	Dracevica, Mon	4.18	347	P	Pn	03 25 00.8	+1.4
IGT	Igoumenitsa	1.42	357	P	Pn	03 23 33.8	0.0	BUM	Brajci-Budva	4.34	345	P	Pn	03 25 00.8	+1.4
IGT				P	Pn	03 23 52.7	+0.9	BUM	comp=N,154µm,0.8s			AML	AML	03 24 42.1	
IGT				P	Sb	03 23 34.9	+0.4	BUM	Brajci-Budva	4.34	345	P	Pn	03 24 14.2	+1.0
IGT	Igoumenitsa	1.42	357	P	Pn	03 23 33.8	0.0	BUM	comp=N,154µm,0.8s			AML	AML	03 25 04.8	+1.2
IGT				P	Sb	03 23 52.7	+0.9	BUM	Brajci-Budva	4.34	345	P	Pn	03 25 04.8	+1.2
IGT				P	Sb	03 23 34.9	+0.4	BUM	comp=N,154µm,0.8s			AML	AML	03 25 04.8	+1.2
SGD	Sagiada	1.50	355	P	Pb	03 23 35.6	+0.3	PDG	Podgorica	4.40	349	P	Pn	03 24 15.2	+1.2
SGD				P	Pb	03 23 35.6	+0.3	PDG	Podgorica	4.40	349	P	Pn	03 25 06.4	+1.2
SGD	Sagiada	1.50	355	P	Pb	03 23 35.6	+0.3	PDG	Podgorica	4.40	349	P	Pn	03 24 15.2	+1.2
SGD				P	Pb	03 23 35.6	+0.3	PDG	Podgorica	4.40	349	P	Pn	03 25 06.4	+1.2
SGD	Sagiada	1.50	355	P	Pb	03 23 35.6	+0.3	PDG	Podgorica	4.40	349	P	Pn	03 24 15.2	+1.2
SGD				P	Pb	03 23 35.6	+0.3	PDG	Podgorica	4.40	349	P	Pn	03 25 06.4	+1.2
SGD	Sagiada	1.50	355	P	Pb	03 23 35.6	+0.3	PDG	Podgorica	4.40	349	P	Pn	03 24 15.2</	



Table with columns: Code, Station Name, Az, El, P, S, Pg, Time, Res. Includes stations like CLDR, TUTA, BASK, etc.

Table with columns: Code, Station Name, Az, El, P, S, Pg, Time, Res. Includes stations like VANB, YVAN, TVAN, etc.

Table with columns: Code, Station Name, Az, El, P, S, Pg, Time, Res. Includes stations like H11S1, H11N1, H11N3, etc.

28d 4h

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like QSPA, ILAR, ABKAR, TORO, TORO.

IDC 28 04:56:19.9,3.1, 18.97N:66.92W, h19km, 19km, mb4.2/33, mb1.4, 3/33, mb1mx4.3/46, mbtmp4.3/33, MS4.1/28, Ms1.4/1.28, ms1mx4.0/35, Error ellipse: s-maj=12.8km s-min=8.7km az=190.0

MOS 28 04:56:19.9,3.1, 18.96N:66.93W, h23km, mb4.8/20, Error ellipse: s-maj=11.1km s-min=6.3km az=132.6

ISCBJ 28 04:56:20.0,4.1, 19.08N:02.66:83W, 0.02, h37km, 4km, mb4.6/103, MS4.2/28, Error ellipse: s-maj=3.8km s-min=2.9km az=13.4

BUI 28 04:56:22.7, 18.90N:66.80W, h35km, mb5.4/4, Ms3.5/5, Ms7.5/17

NEIC 28 04:56:22.0,0.0, 19.10N:66.79W, h13km, mb4.8/69, MD4.8(RSPR), After RSPR.

NEIC Felt (III) at Barceloneta, Guaynabo, Hatillo, Mayaguez, Moca, San Juan and San Sebastian; (II) at Aguadilla, Anasco, Bayamon and Corozal. Felt widely on Puerto Rico.

RSPR 28 04:56:22.0, 19.10N:66.79W, h13km, 2km, MD4.8, GCMT 28 04:56:22.0, 0.2, 19.21N:66.86W, h24km, 2km, Duration: 0/83, Moment Tensor Solution. s30.634; s83.114; MW05:0/83, Moment tensor: Scale 10^16Nm; Mr0.97±.15; Mw=1.68±.11; Mw0.71±.09; Ml=0.80±.13; Ml0.145±.08; Ms=3.21±.33; Best double couple: Mc3.87900±.016 Np1.0337,00000±.82,00000±.120,00000±. NP2: 0±80.00000±.831,00000±.116,00000±. Principal axes: T 4.0890, P1g45.0000±, Azm278.0000±, N -0.4150, P1g29.0000±, Azm152.0000±, P -3.6700, P1g31.0000±, Azm43.0000±, Np2 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 28 04:56:21.7, 1.1, 19.05N:01.03:66:87W, 0.03, h28km, 7km, n517, 01555228, mb4.7/103, MS4.1/28, 40C-8D, Puerto Rico region

Main table of station data with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Lists numerous stations across Puerto Rico and the Virgin Islands.

2011 NOV

Main table of earthquake data with columns: PCRV, Puerto La Cruz, 9.08 166 Pn Pn, 04 58 32.3 +1.3, etc. Lists seismic events with magnitude, location, and time.

1500

Main table of earthquake data with columns: HRV, Adam Dzewonsk, 23.72 351 eP P, 05 01 45.8 +1.4, etc. Lists seismic events with magnitude, location, and time.





Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AKASG, Malin Array Be, OBNsk, etc.

MEX 28 04:57:09.4:0.6, 16:37N:94:33W, h131km, 10km, MD4.0, Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TGIG, PCIG, HUG, etc.

ISK 28 05:00:32.3, 38:65N:43:21E, h30km, MD2.3

CSEM 28 05:00:34.5:0.3, 38:77N:43:22E, h10km, MD2.3, Error ellipse: s-maj=5.7km s-min=4.2km az=18.0

DDA 28 05:00:34.5, 38:78N:43:21E, h7km, MI2.8

ISC 28 05:00:34.7:1.0, 38:77N:0:04:43:20E:0.03, h12km, 10km, n18, r0968/31, Turkey

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like VANB, VMUR, ADCV, etc.

NEIC 28 05:07:49.8:0.0, 19:13N:66:79W, h16km, MD3.5(RSPR), 11C-7D, After RSPR, Puerto Rico region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AOPR, MPR, IDE, etc.

ATH 28 05:08:08.9, 36:42N:27:70E, h87km, 3km, ML2.5/6, Error ellipse: s-maj=3.8km s-min=1.6km az=120.0

ISCJB 28 05:08:09.9:0.6, 36:41N:0:03:27:69E:0.03, h7km, 2km, Error ellipse: s-maj=6.0km s-min=4.1km az=157.0

CSEM 28 05:08:10.4:0.2, 36:42N:27:69E, h77km, 3km, ML2.5, Error ellipse: s-maj=3.7km s-min=2.4km az=154.0

ISK 28 05:08:10.2, 36:43N:27:72E, h70km, MD2.7

DDA 28 05:08:17.6, 36:43N:28:04E, h77km, MI2.8

ISC 28 05:08:10.4:1.3, 36:42N:0:03:27:70E:0.03, h77km, 8km, n51, r1968/82, Dodecanese Islands

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ARG, ARG, ARG, etc.

ISC 28 05:13:26.9, 38:49N:43:25E, h5km, MD2.5

ISCJB 28 05:13:28.5:0.4, 38:48N:0:02:43:34E:0.03, h6km, 3km, Error ellipse: s-maj=4.6km s-min=3.7km az=19.5

CSEM 28 05:13:28.0:0.2, 38:48N:43:32E, h5km, ML3.2, Error ellipse: s-maj=4.3km s-min=3.6km az=113.0

DDA 28 05:13:28.1, 38:47N:43:33E, h9km, MI3.2

ISC 28 05:13:28.1:0.9, 38:48N:0:02:43:32E:0.02, h6km, 6km, n30, r0572/57, Turkey

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TVAN, TVAN, TVAN, etc.

ISC 28 05:42:53.7:0.8, 18:00N:0:03:62:61W:0.03, h47km, 6km, n537, r1911/590, m4.5/87, MS3.5/12, 4C-1D, Leeward Islands

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SMRT, SMRT, SMRT, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CLDR, CLDR, CLDR, etc.

ISC 28 05:19:12.1:1.4, 12:00N:125:84E, h0km, mb3.7/6, mb1 3.9/6, mb1mx3.6/32, mbtmp3.7/6, Error ellipse: s-maj=187.4km s-min=18.9km az=70.0

MAN 28 05:19:18.1, 11:91N:125:36E, h24km, mb4.3, ML3.1, MS2.9

ISC 28 05:19:16.7:1.9, 11:93N:0:06:125:44E:0.09, h24km, 14km, n21, r1932/21, mb3.6/6, 2C-1D, Sanur

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BESP, BESP, BESP, etc.

MEX 28 05:38:51.9:0.3, 14:04N:91:94W, h15km, MD3.6, Guatemala

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PCIG, PCIG, CCIG, etc.

NEIC 28 05:42:50.7:0.0, 18:02N:62:55W, h24km, mb4.6/73, MD4.7(TRN), After TRN.

NEIC Felt [V] at Duth Cul de Sac and [III] at Marigot, Lowlands, Philipsburg, Princess Quarter and Simpson Bay. Felt [V] at Boyd's, Monkey Hill and Sandy Point Town; [III] at Basseterre and Cayon, Saint Kitts. Felt [IV] on Saint-Barthelemy; [III] at Sandy Ground Village, Anguilla; [II] at Boland's, Antigua. Also felt on Nevis, Saba and Sint Eustatius.

TRN 28 05:42:50.5, 18:05N:62:55W, h27km, MD4.7

TRN Felt in: St. Martin MM III, IV; Antigua and St. Kitts II, III. Also felt in Nevis, St. Bartholomew, St. Eustatius and Guadeloupe.

ISCJB 28 05:42:52.5:0.3, 18:01N:0:02:62:57W:0.02, h51km, 3km, mb4.5/87, MS3.4/12, Error ellipse: s-maj=4.4km s-min=2.1km az=41.3

BUI 28 05:42:52.2, 18:00N:62:50W, h25km, mB5.3/3, Ms5.2/4, Ms7 5.0/6

ISC 28 05:42:53.1:2.2, 17:94N:62:56W, h38km, 20km, mb4.0/24, mb1 4.1/27, mb1mx4.1/46, mbtmp4.2/27, ML3.8/3, MS3.4/15, Ms1 3.4/15, ms1mx3.2/39, Error ellipse: s-maj=12.8km s-min=9.7km az=71.0

ISC 28 05:42:53.7:0.8, 18:00N:0:03:62:61W:0.03, h47km, 6km, n537, r1911/590, m4.5/87, MS3.5/12, 4C-1D, Leeward Islands

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SMRT, SMRT, SEUS, etc.

TVBI Tortola	1.95 283	ePn	Pn	05 43 23.7 -0.7	N59A State Game Lan	25.49 336	P	P	05 48 18.3 +0.7	S40A Lebanon	32.66 313	P	P	05 49 21.8 +0.4
STVI Saint Thomas	2.26 279	ePn	Sn	05 43 28.3 -0.3	N59A State Game Lan	25.49 336	eP	P	05 48 20.4 +2.7	V39A Pettigrew	32.69 309	P	P	05 49 23.1 +1.3
STVI Guadalupe-3	2.33 157	ePn	Sn	05 43 28.8 -0.7	TKL Tuckaleechee C	25.71 317	P	P	05 48 22.3 +2.6	P41A Ben Barry	32.75 317	P	P	05 49 22.7 +0.6
MGG Marie-Galante	2.41 149	ePn	Sn	05 43 30.6 -0.1	TKL comp=Z,93nm,19.7s,baz=150,slow=34		LR		05 57 35.4	N42A Yates City	32.75 320	P	P	05 49 22.2 0.0
MGG Marie-Galante	2.41 149	iP	Sn	05 44 00.1 +1.0	TKL Tuckaleechee C	25.71 317	eP		05 48 22.3 +2.6	Y38A Idabel	32.78 305	P	P	05 49 22.5 0.0
MDPV Dominica, Penn	2.62 154	ePn	Sn	05 43 33.9 +0.3	448A Bay Minette	26.27 304	P		05 48 23.4 -1.4	U39A Green Forest	32.80 310	P	P	05 49 22.4 -0.3
MDVC Dominica, Viel	2.64 154	ePn	Sn	05 43 33.6 -0.2	348A Jackson	26.50 305	P		05 48 26.3 -0.5	L43A Garden Prairie	32.81 323	P	P	05 49 23.2 +0.6
MDMP Dominica, Moor	2.65 154	ePn	Sn	05 44 04.2 -0.5	LRL Lakeview Retre	26.53 309	eP		05 48 28.9 +1.8	R40A Maddies Statio	32.83 314	P	P	05 49 23.0 +0.2
BBL Barber's Block	2.69 156	ePn	Sn	05 44 04.9 0.0	SAML Samuel	26.78 181	eP	P	05 48 28.2 -1.2	O41A Passleys Farm,	32.87 318	P	P	05 49 23.8 +0.6
BBL Barber's Block	2.69 156	iP	Sn	05 44 05.7 -0.3	347A Nathand	26.99 305	P	P	05 48 30.4 -0.9	337A Interville	32.88 300	P	P	05 49 23.4 -0.1
MTP Monte Pirata	2.80 272	ePn	Sn	05 43 36.4 +0.3	Z48A Northport	27.10 309	P		05 48 32.5 +0.3	M42A Sheffield	32.95 321	P	P	05 49 24.1 +0.1
MDN Morne-Daniel	2.91 156	ePn	Sn	05 44 11.8 +0.4	147A Livingston	27.32 307	P	P	05 48 34.2 0.0	T39A Clever	33.01 311	P	P	05 49 24.7 +0.2
MDN Morne-Daniel	2.91 156	eS	Pn	05 44 11.8 +0.4	Z47A Carrollton	27.40 308	P		05 48 35.1 +0.2	Q40A Laux Farm, Aux	33.05 315	P	P	05 49 25.4 +0.5
DLPL La Plaine	2.96 154	ePn	Pn	05 43 38.6 +0.3	YC6G Comitan	28.26 271	eP	P	05 48 42.0 -1.0	HHAR Hobbs	33.09 310	eP	P	05 49 26.9 +1.6
DLPL La Plaine	2.96 154	eS	Pn	05 43 38.6 +0.3	V41A Houston	28.30 309	P	P	05 48 42.3 -0.6	X38A Whitesboro	33.12 306	P	P	05 49 26.5 +1.0
DSHT Scott's Head	3.01 157	ePn	Pn	05 43 39.6 +0.6	WVT Waverly	28.68 314	eP	P	05 48 46.0 -0.3	N41A Harden Midland	33.19 319	P	P	05 49 26.2 +0.2
DSHT Scott's Head	3.01 157	eS	Pn	05 44 13.8 -0.1	244A Avery, Jackson	28.92 304	P		05 48 48.8 +0.3	L42A Oliver, Polo	33.23 322	P	P	05 49 26.6 +0.3
HUMP Col San Antoni	3.09 273	ePn	Pn	05 43 39.6 +0.6	X45A Uml Field Stati	28.94 310	P		05 48 48.7 0.0	V38A Canehill	33.27 309	P	P	05 49 27.1 +0.4
HUMP Canovanas	3.10 275	ePn	Pn	05 43 40.5 +0.3	OXF Oxford	28.99 310	eP	P	05 48 49.8 +0.7	S39A Bolivar	33.27 312	P	P	05 49 26.4 -0.4
CBYP San Juan	3.37 272	ePn	Pn	05 43 45.2 +1.3	Q47A Bedford North L	29.40 320	P	P	05 48 53.1 +0.1	P40A Paris	33.31 316	P	P	05 49 27.3 +0.2
SJG 330nm,0.3s,baz=97,slow=11,SNR=1368			Sn	05 44 24.3 +1.6	U45A Roun P Farm,	29.44 314	P	P	05 48 54.9 +1.2	R39A Comby, Stover	33.37 314	P	P	05 49 27.6 0.0
SJG 158nm,0.3s,baz=135,slow=20,SNR=8.9			LR	05 45 20.3	ATAH Atauhalpa	29.44 213	P	P	05 48 57.5 -0.7	U38A Gravette	33.49 310	P	P	05 49 29.1 +0.4
SJG comp=Z,1um,18.3s,baz=90,slow=43			LR	05 43 45.1 +1.2	S45A Carrier Mills	30.03 316	P	P	05 48 58.0 0.0	Y07A Hugo	33.49 305	P	P	05 49 29.3 +0.6
SJG Savane Anatole	3.42 156	ePn	Pn	05 43 42.0 -0.7	SADO Sadowa	30.07 336	P	P	05 48 58.5 0.0	O40A La Belle	33.51 317	P	P	05 49 29.6 +0.8
PCM Pelee Case Pet	3.44 157	ePn	Pn	05 43 43.7 -1.1	SADO Sadowa	30.07 336	eP	LR	05 48 58.5 0.0	K42A Prairie Point,	33.53 323	P	P	05 49 29.8 +0.9
PCM Pelee Case Pet	3.44 157	eS	Pn	05 43 44.2 -0.6	O47A Sheridan	30.07 322	P	P	05 48 58.6 0.0	S38A Stockton	33.66 312	P	P	05 49 29.6 -0.5
CXM Morne La Croix	3.46 156	ePn	Pn	05 43 44.7 +0.5	242A Grayson	30.09 303	P	P	05 48 58.2 -0.7	T38A Diamond	33.67 311	P	P	05 49 30.2 -0.1
CXM Morne La Croix	3.46 156	eS	Pn	05 43 44.7 +0.5	R45A Skylar, Fairfr	30.18 317	P	P	05 49 00.7 +1.2	Q39A Willow Grove F	33.69 315	P	P	05 49 30.6 +0.3
BAMF Grand Be	3.47 156	ePn	Pn	05 43 44.8 -0.7	P46A Rosedale	30.29 320	P	P	05 49 01.1 +0.6	136A Ennis	33.73 302	P	P	05 49 31.3 +0.4
PML Morne Lenard	3.48 157	ePn	Pn	05 43 45.4 -0.8	Z42A Not Spur, H	30.38 306	P	P	05 49 01.7 +0.4	N40A Montuake, Sal	33.75 319	P	P	05 49 30.9 +0.1
FDV Fort de France	3.54 156	ePn	Pn	05 43 46.2 0.0	T44A Benton	30.39 314	P	P	05 49 01.6 +0.2	W37B Quinton	33.76 307	P	P	05 49 31.4 +0.4
FDV Fort de France	3.54 156	iP	Pn	05 43 46.2 0.0	V43A Jonesboro	30.41 311	P	P	05 49 01.8 +0.2	W37B Quinton	33.76 307	eP	P	05 49 32.4 +1.4
ZAM Aeronautique	3.73 156	ePn	Pn	05 43 49.3 +0.5	Q45A Warren Harvey,	30.45 318	P	P	05 49 02.1 +0.2	P39B Salisbury	33.76 316	P	P	05 49 31.1 +0.2
TRMF Trois Ilets	3.75 156	ePn	Pn	05 43 49.3 +0.5	Y42A Garnett, Star	30.48 307	P	P	05 49 02.0 -0.3	L41A Preston	33.77 321	P	P	05 49 31.4 +0.4
BIM Bigot	3.77 157	ePn	Pn	05 43 49.3 +0.5	S44A Carbondale	30.48 315	P	P	05 49 02.1 -0.1	H43A Windswept, Lux	33.78 327	P	P	05 49 31.2 +0.1
CELP Cerrillos	3.78 272	ePn	Pn	05 43 50.7 +1.2	R45A Gracland, Par	30.57 320	P	P	05 49 02.3 +0.4	SIV San Ignacio	33.81 177	P	P	05 49 31.1 -0.5
CELP Cerrillos	3.78 272	eS	Pn	05 43 49.6 -0.3	P44A Waltonville	30.67 317	P	P	05 49 04.3 +0.4	V37A Hulbert	33.82 308	P	P	05 49 31.3 -0.2
MVM Montagne Vauci	3.80 154	ePn	Pn	05 43 53.3 +0.5	CMIG Matias Romero	30.77 273	LR	LR	06 01 40.2	R38A Fenwick Farm,	33.91 313	P	P	05 49 32.2 -0.1
MPR Mayaguez	4.32 273	ePn	Pn	05 43 56.5 -0.6	T43A Greenville	30.87 314	P	P	05 49 06.0 +0.3	K41A Greensburg	33.98 322	P	P	05 49 32.8 0.0
AGP Ayaguita	4.33 276	ePn	Pn	05 44 01.0 +0.8	W42A Bald Knob	30.89 310	P	P	05 49 05.7 -0.1	I42A Draeger Farm,	34.01 325	P	P	05 49 33.7 +0.7
AGP Ayaguita	4.33 276	eS	Pn	05 44 01.0 +0.8	M46A Old House Fiel	30.95 324	P	P	05 49 06.6 +0.4	U37A Salina	34.02 309	P	P	05 49 33.5 +0.3
MCLT Moule a Chique	4.56 159	ePn	Pn	05 44 02.4 -0.5	S43A Fulton Ridge,	30.97 315	P	P	05 49 07.0 +0.5	O39A Kirksville	34.01 317	P	P	05 49 32.4 -0.8
MCLT Moule a Chique	4.56 159	eS	Pn	05 44 02.4 -0.5	Q44A Meyer Farm, Va	31.00 318	P	P	05 49 07.1 +0.3	Q38A Cooks Store, C	34.08 314	P	P	05 49 33.9 +0.1
IDE Isla Desecoho	4.64 175	ePn	Pn	05 44 04.0 -0.4	V42A Cord	31.03 311	P	P	05 49 07.5 +0.4	435B Jarrell	34.16 299	P	P	05 49 34.3 -0.3
SVB Belmont	4.88 164	ePn	Pn	05 44 04.3 -0.4	P41A Sand Creek, Wi	31.07 319	P	P	05 49 07.6 +0.2	L40A Anamosa	34.20 321	P	P	05 49 34.8 +0.1
SVB Belmont	4.88 164	eS	Pn	05 45 00.2 +0.3	Y41A Eaglette Beard	31.12 306	P	P	05 49 07.5 -0.4	H42A Shiocta	34.21 326	P	P	05 49 35.0 +1.2
SVBV St. Vincent, C	4.91 163	ePn	Pn	05 44 05.8 +0.8	U42A Revenden	31.17 312	P	P	05 49 08.1 -0.2	TLIG Tiapa	34.21 275	eP	P	05 49 36.1 +0.8
SVBV St. Vincent, C	4.91 163	eS	Pn	05 44 05.8 +0.8	N45A Kentland	31.25 322	P	P	05 49 09.0 +0.1	X36A Centrahoma	34.26 305	P	P	05 49 35.0 -0.4
BBGH Gun Hill	5.65 148	ePn	Pn	05 44 15.2 -0.1	R43A Red Bud	31.25 316	P	P	05 49 08.7 -0.3	J41A Loganville	34.28 323	P	P	05 49 36.6 +1.2
BBGH Gun Hill	5.65 148	eS	Pn	05 45 17.2 -1.7	X41A Kaden, Bauxite	31.29 308	P	P	05 49 09.4 0.0	TUL1 Leonard	34.32 308	P	P	05 49 35.7 -0.1
BBGH Gun Hill	5.65 148	ePn	Pn	05 44 15.2 -0.1	W41B Gary Mavity, V	31.38 309	P	P	05 49 10.4 +0.3	TUL1 Leonard	34.32 308	eP	P	05 49 36.8 +0.9
BBGH Gun Hill	5.65 148	eS	Pn	05 44 15.2 -0.1	O44A Mansfield	31.39 320	P	P	05 49 10.6 +0.4	P38A Dawn	34.35 315	P	P	05 49 36.7 +0.6
BBGH Gun Hill	5.65 148	ePn	Pn	05 45 17.7 -1.2	Q43A New Douglas	31.46 317	P	P	05 49 11.2 +0.4	W36A Wetumka	34.36 306	P	P	05 49 36.4 +0.1
GRGR Greenville	5.91 171	ePn	Pn	05 44 18.9 +0.1	X40A Basin Creek Fa	31.53 307	P	P	05 49 11.8 +0.2	S37A Fort Scott	34.37 312	P	P	05 49 36.4 +0.1
GRGR Greenville	5.91 171	eS	Pn	05 45 22.7 +1.5	S42A Caledonia	31.56 314	P	P	05 49 11.6 -0.2	V36A Jenks	34.38 308	P	P	05 49 37.3 +0.9
GRGR Greenville	5.91 171	ePn	Pn	05 45 24.8 -0.4	V41A Mountainview	31.57 310	P	P	05 49 12.4 +0.5	V36A Jenks	34.38 308	eP	P	05 49 37.8 +1.3
SDD Santo Domingo	6.96 275	ePn	Pn	05 44 34.7 +1.5	N44A City	31.58 321	P	P	05 49 12.2 +0.3	F43A Flat Rock, Esc	34.43 329	P	P	05 49 38.1 +1.4
TOSP Speyside	6.96 163	ePn	Pn	05 44 33.2 0.0	U41A Viola	31.66 311	P	P	05 49 13.7 +1.1	M39A Webster	34.45 319	P	P	05 49 36.8 -0.1
TOSP Speyside	6.96 163	eS	Pn	05 45 24.8 -0.4	Y40A Okolona	31.69 306	P	P	05 49 13.0 +0.1	U36A Cologah	34.46 309	P	P	05 49 37.1 0.0
TOSP Speyside	6.96 163	ePn	Pn	05 44 39.9 +0.6	P43A Skoggs, Pawnee	31.74 318	P	P	05 49 15.1 +1.7	LPAZ La Paz	34.50 189	P	LR	06 04 44.8
TRN Trinidad (W)	7.40 171	ePn	Pn	05 44 39.9 +0.6	R42A Luebbering	31.83 315	P	P	05 49 14.8 +0.7	LPAZ La Paz	34.50 189	eP	LR	06 04 44.8
TRN Trinidad (W)	7.40 171	eS	Pn	05 44 39.9 +0.6	T41A Mountain View	31.87 312	P	P	05 49 15.2 +0.6	LPAZ La Paz	34.50 189	eP	LR	06 04 44.8
TBH Brigand Hill	7.62 168	ePn	Pn	05 44 42.6 +0.3	Q42A Golden Eagle	31.99 316	P	P	05 49 16.1 +0.6	K40A Colesburg	34.52 322	P	P	05 49 38.3 +0.8
TBH Brigand Hill	7.62 168	eS	Pn	05 44 42.6 +0.3	W40A Ferson Farm,	32.00 308	P	P	05 49 15.9 +0.4	O38A Galt	34.56 316	P	P	05 49 38.8 +0.9
TBH Brigand Hill	7.62 168	ePn	Pn	05 46 06.3 -1.0	NATX Nacogdoches	32.01 301	P	P	05 49 17.7 0.0	Y35A Marietta	34.58 304	P	P	05 49 38.9 +0.8
TPP Pointe-a-Pierr	7.72 171	ePn	Pn	05 46 08.1 -1.7	CCM Cathedral Cave	32.02 314	eP	P	05 49 16.6 +0.9	Q37A Longview Farm,	34.61 314	P	P	05 49 39.0 +0.6
TPP Pointe-a-Pierr	7.72 171	eS	Pn	0										

28d 5h

R36A	Gordon, Harris	35.10 312	P	P	05 49 42.2 -0.3
U35A	Pawnee	35.20 308	P	P	05 49 43.3 -0.1
U35A	Pawnee	35.20 308	eP	P	05 49 44.2 +0.8
J39A	Decorah	35.24 322	P	P	05 49 43.2 -0.5
T35A	Sooner Cattle	35.24 309	P	P	05 49 44.7 +0.8
H40A	Chili	35.29 325	P	P	05 49 43.6 -0.5
L38A	Oak Wood Farm,	35.30 319	P	P	05 49 44.5 +0.2
F41A	Three Lakes	35.34 327	P	P	05 49 45.0 +0.4
S35A	Otter Creek Ra	35.41 311	P	P	05 49 44.9 -0.4
RCBR	Riachuelo	35.43 130	P	P	05 49 46.2 +0.5
I39A	Houston	35.45 323	P	P	05 49 45.3 -0.1
K38A	Parkersburg	35.47 320	P	P	05 49 45.5 -0.2
O36A	Bolckow	35.56 315	P	P	05 49 46.2 -0.3
R35A	Emporia Municipi	35.59 312	P	P	05 49 46.8 0.0
M37A	Trindle Farm,	35.60 318	P	P	05 49 47.1 +0.3
G40A	Rib Lake	35.60 326	P	P	05 49 46.6 -0.2
J38A	Wedel Dairy, R	35.68 321	P	P	05 49 47.2 -0.3
Q35A	Mercer Eighty,	35.71 313	P	P	05 49 47.6 -0.2
E41A	Kenton	35.77 328	P	P	05 49 48.9 +0.7
T34A	McClaskey Farm	35.78 309	P	P	05 49 47.8 -0.6
H39A	Augusta	35.82 324	P	P	05 49 49.4 +0.7
N36A	Muff Farm, Cla	35.89 316	P	P	05 49 49.7 +0.4
JCT	Junction City	35.95 297	P	P	05 49 50.2 +0.1
JCT	Junction City	35.95 297	eP	P	05 49 50.0 -0.1
F40A	Park Falls	35.99 327	P	P	05 49 51.4 +1.3
S34A	Willow Spring	35.99 310	P	P	05 49 50.1 -0.1
I38A	Scanlan Farm,	36.02 323	P	P	05 49 50.6 +0.2
M36A	Felix, Anita	36.10 317	P	P	05 49 50.3 -0.9
G39A	Holcombe	36.14 325	P	P	05 49 50.8 -0.6
WMOK	Wichita Mounta	36.21 305	P	P	05 49 51.9 -0.3
KSU1	Kansas State U	36.21 313	P	P	05 49 51.9 -0.2
E40A	Wakefield	36.23 328	P	P	05 49 52.8 +0.6
O35A	Humboldt	36.26 315	P	P	05 49 52.9 +0.4
ABTX	Ablene, Hawle	36.30 301	P	P	05 49 53.6 +0.5
ABTX	Ablene, Hawle	36.30 301	eP	P	05 49 53.6 +0.5
J37A	Redenius Farm,	36.32 321	P	P	05 49 53.4 +0.4
L36A	Harm Buss Farm	36.35 318	P	P	05 49 53.7 +0.4
N35A	Tabor	36.36 316	P	P	05 49 53.3 0.0
Q34A	Chapman	36.37 312	P	P	05 49 53.2 -0.2
H38A	Maiden Rock	36.38 323	P	P	05 49 53.5 +0.1
BDFB	Brasilila	36.39 156	P	P	05 49 54.6 +0.7
BDFB	Brasilila	36.39 156	PcP	PcP	05 52 18.8 +1.1
F39A	Loretta	36.41 326	P	P	05 49 55.1 +1.4
G38A	Ridgeland	36.44 324	P	P	05 49 54.7 +0.7
K36A	Gillmore City	36.50 319	P	P	05 49 55.3 +0.8
E39A	Mellen	36.52 327	P	P	05 49 55.5 +0.9
P34A	Walnut Farm, R	36.56 313	P	P	05 49 54.6 -0.5
I37A	Lemond, Waseca	36.63 322	P	P	05 49 55.6 -0.1
J36A	Seneca 1, Swea	36.81 320	P	P	05 49 57.2 0.0
SCHO	Schefferville	36.91 356	P	P	05 49 58.5 +0.7
SCHO	Schefferville	36.91 356	eP	P	05 49 58.5 +0.7
L35A	Blow Farm, R	36.92 318	P	P	05 49 59.0 +0.9
N34A	Lincoln	36.92 315	P	P	05 49 57.8 -0.3
F38A	Pierce - Schro	36.95 325	P	P	05 49 59.2 +0.9
I36A	Fitzsimmons Fa	37.00 321	P	P	05 49 58.7 -0.1
SPMN	Marine on St.	37.00 324	P	P	05 49 59.4 +0.6
K35A	Storm Lake	37.03 319	P	P	05 49 58.8 -0.3
E38A	The Farm, Brul	37.19 326	P	P	05 50 00.2 -0.1
F37A	Hinrichs Farm,	37.21 325	P	P	05 50 00.5 0.0
H36A	Jessenland, He	37.26 322	P	P	05 50 00.7 -0.3
M34A	Aspy Farms, Fr	37.29 316	P	P	05 50 01.1 -0.2
J35A	Milford	37.36 320	P	P	05 50 01.8 0.0
L34A	Svendens Farm,	37.38 317	P	P	05 50 01.9 -0.2
I35A	Creekview Farm	37.49 320	P	P	05 50 02.9 0.0
K34A	Le Mars	37.56 318	P	P	05 50 03.3 -0.3
C38A	Sawbill Land.	37.78 328	P	P	05 50 05.7 +0.4
F36A	Milaca	37.79 324	P	P	05 50 05.1 -0.3
H35A	Sunnyside Ranc	37.86 322	P	P	05 50 05.9 -0.2
G35A	Watkins	37.96 323	P	P	05 50 06.4 -0.4
E36A	McGregor	38.04 325	P	P	05 50 08.0 +0.5
L33A	Hoskins	38.06 317	P	P	05 50 08.1 +0.3
C37A	Embarrass	38.25 327	P	P	05 50 09.7 +0.5
BGNE	Belgrade	38.29 315	P	P	05 50 09.4 -0.4
CBKS	Cedar Bluff	38.33 310	P	P	05 50 09.1 -1.0
CBKS	Cedar Bluff	38.33 310	eP	P	05 50 11.1 +1.0
F35A	Swanville	38.38 323	P	P	05 50 10.1 -0.3
D36A	Goodland	38.41 326	P	P	05 50 10.7 +0.1
E35A	EROS Data Cent	38.42 319	P	P	05 50 11.1 +0.3
ECSd	EROS Data Cent	38.42 319	eP	P	05 50 11.5 +0.7
AMTX	Amarillo	38.53 304	P	P	05 50 11.4 -0.5
C36A	Pine Crest Far	38.60 327	P	P	05 50 12.3 +0.1
G34A	Benson	38.64 322	P	P	05 50 12.5 -0.1
E35A	Pequot Lakes	38.70 324	P	P	05 50 13.1 +0.1
K32A	Verdige	38.75 317	P	P	05 50 13.4 -0.2

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D35A	Remer	38.82 325	P	P	05 50 13.9 -0.2
H33A	Prehn Over Nor	39.00 320	P	P	05 50 15.3 -0.3
LTX	Lajitas	39.08 295	eP	P	05 50 17.2 +0.6
LTX	Lajitas	39.08 295	ePcP	P	05 52 27.1 +1.2
LTX	Lajitas	39.08 295	eS	P	05 56 13.2 +0.2
TXAR	Lajitas Array	39.08 295	P	P	05 50 17.2 +0.6
TXAR	Wadena	1.2nm, 0.7s, baz=100, slow=9.7, SNR=20	PcP	P	05 52 27.1 +1.2
TXAR	Wadena	0.6nm, 0.6s, baz=114, slow=5.0, SNR=4.1	ScP	P	05 56 13.2 +0.2
TXAR	Wadena	0.3nm, 0.9s, baz=108, slow=6.0, SNR=2.8	LR	P	06 12 30.5
TXAR	comp-Z, 1.0nm, 18.5s, baz=0.0, slow=4.5	LR	P	05 50 16.8 +0.2	
TX31	Lajitas Ar. Si	39.08 295	eP	P	05 50 16.5 +0.1
G33A	Ortonville	39.09 321	P	P	05 50 16.8 +0.2
E34A	Wadena	39.10 324	P	P	05 50 16.8 +0.2
I32A	Karley and Nic	39.10 319	P	P	05 50 16.2 -0.3
C35A	Jirik Farms, M	39.16 326	P	P	05 50 16.5 -0.4
MSTX	Muleshoe	39.17 302	P	P	05 50 16.9 -0.5
MSTX	Muleshoe	39.17 302	eP	P	05 50 16.8 -0.5
H32A	Carlson Farm,	39.33 320	P	P	05 50 18.2 -0.2
PB01	IPOC Station P	39.38 190	eP	P	05 50 16.2 -2.9
B35A	Bob, Littlefor	39.45 327	P	P	05 50 19.3 0.0
D34A	Park Rapids	39.45 325	P	P	05 50 19.4 +0.1
C34A	RKJ Ranch, Bem	39.63 325	P	P	05 50 21.2 +0.3
G32A	Webster	39.76 321	P	P	05 50 21.4 -0.5
B34A	Aery, Baudette	40.00 327	P	P	05 50 21.8 -2.2
SUSD	Miller	40.24 319	P	P	05 50 23.9 -2.1
B33A	Robert and Kas	40.37 326	P	P	05 50 25.9 -1.0
K30C	Kaye Shedlock	40.50 310	P	P	05 50 27.5 -0.9
AGMN	Agassiz Nation	40.53 326	eP	P	05 50 28.0 -0.3
AGMN	Agassiz Nation	40.53 326	eP	P	05 50 28.8 +0.5
HPIG	Wadena	40.61 291	eP	P	05 50 30.6 +1.1
A33A	Wadena	40.67 327	P	P	05 50 29.1 -0.3
OGNE	Ogallala	40.77 313	P	P	05 50 29.0 -1.4
LVC	Limon Verde	40.83 189	P	P	05 50 29.3 -2.1
LVC	Limon Verde	40.83 189	eP	P	05 50 29.8 -1.6
MNTX	Cornudas Mount	40.88 298	eP	P	05 50 31.4 0.0
MNTX	Cornudas Mount	40.88 298	eP	P	05 50 32.2 +0.8
B32A	Ashes, Strandq	40.95 325	P	P	05 50 31.7 -0.1
A32A	Rocking H Ranc	41.24 326	P	P	05 50 34.5 +0.4
C31A	Landman Farms,	41.27 324	P	P	05 50 34.9 +0.5
T25A	Trinidad	41.27 306	P	P	05 50 35.2 +0.3
T25A	Trinidad	41.27 306	eP	P	05 50 36.1 +1.3
B31A	Greenbush Farm	41.57 325	P	P	05 50 37.6 +0.8
A31A	Linda, St. Vin	41.62 326	P	P	05 50 38.5 +1.0
ULM	Lac du Bonnet	41.73 328	P	P	05 50 38.3 0.0
ULM	Lac du Bonnet	41.73 328	P	LR	06 09 11.0
SDCO	Great Sand Dun	42.27 307	P	P	05 50 44.0 +0.9
SDCO	Great Sand Dun	42.27 307	eP	P	05 50 44.1 +1.0
BNN	Barren Site	42.34 301	eP	P	05 50 45.0 +1.3
ANMO	Albuquerque	42.36 302	P	P	05 50 44.9 +1.2
ANMO	Albuquerque	42.36 302	P	P	05 50 44.4 +0.7
ISCO	Idaho Springs	42.95 310	P	P	05 50 48.9 +0.4
ISCO	Idaho Springs	42.95 310	eP	P	05 50 49.7 +1.2
121A	Cookes Peak, D	43.02 299	P	P	05 50 49.5 +0.4
S22A	4JR Ranch, Cre	43.29 306	P	P	05 50 51.9 +0.6
S22A	4JR Ranch, Cre	43.29 306	eP	P	05 50 52.4 +1.1
PHWY	Pilot Hill	43.31 312	eP	P	05 50 53.2 +1.7
RSSD	Black Hills	43.37 316	P	P	05 50 52.5 +0.7
N23A	Red Feather La	43.53 311	P	P	05 50 54.2 +1.1
CPUP	Villa Florida	44.36 173	P	P	05 50 58.2 -1.4
CPUP	Villa Florida	44.36 173	LR	LR	06 09 40.7
W18A	Petrified Fore	45.03 302	P	P	05 51 05.5 +0.2
PV05	Paradox Valley	45.11 306	eP	P	05 51 07.2 +1.3
PV10	Paradox Valley	45.13 307	eP	P	05 51 07.6 +1.6
TUC	Tucson	45.51 298	P	P	05 51 09.7 +0.8
LAO	LASA Array	45.81 319	P	P	05 51 11.9 +0.9
P18A	Preston Nutter	46.34 308	eP	P	05 51 16.8 +1.1
WUAZ	Wupatki	46.42 302	P	P	05 51 16.6 +0.5
WUAZ	Wupatki	46.42 302	eP	P	05 51 18.2 +2.1
SRU	San Rafael Swe	46.43 307	eP	P	05 51 17.6 +1.4
BW06	Boulder Array	46.67 312	P	P	05 51 18.8 +0.7
BW06	Boulder Array	46.67 312	eP	P	05 51 18.8 +0.7
PD31	Pinedale Array	46.67 312	eP	P	05 51 18.9 +0.8
PDAR	Pinedale Array	46.67 312	P	P	05 51 18.9 +0.8
PDAR	comp-Z, 7.0nm, 21.5s, baz=104, slow=3.5	LR	LR	06 10 29.3	
P17A	Butcher Ranch,	46.68 308	eP	P	05 51 19.6 +1.6
TMUT	Trail Mountain	46.99 307	eP	P	05 51 22.8 +2.1
214A	Organ Pipe Nat	47.19 297	P	P	05 51 22.8 +0.7
JLU	Jordanelle	47.47 309	eP	P	05 51 26.0 +1.7
MPU	Maple Canyon	47.47 308	eP	P	05 51 26.1 +1.8
Y14A	Wickenburg	47.54 300	eP	P	05 51 26.8 +2.0
TCUT	Toone Canyon	47.56 310	eP	P	05 51 26.3 +1.2
CTU	Camp Tracy	47.71 309	eP	P	05 51 27.8 +1.7
TPAW	Teton Pass	47.85 313	eP	P	05 51 28.3 +1.0
LCMT	Little Creek M	48.15 304	eP	P	05 51 30.7 +1.2
CCUT	Cedar City	48.32 305	eP	P	05 51 32.2 +1.2
SPUT					

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CD2 Chengdu, NJ2 Nanjing, WHN Wuhan, ASAR Alice Springs, etc.

IDC 28 05:43:10.5-2.9,54:47N:86:88E, h0km, mb1 3.0/2, mb1mx2.9/49, mbtmp3.0/2, ML2.7/2, Error ellipse: s-maj=23.8km s-min=18.0km az=48.0, Southeastern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like I46RU Zalesovo Infra, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

NNC 28 05:55:13.2-2.4,54:16N:86:14E, h0km, mb3.8, mpv3.4, Error ellipse: s-maj=20.1km s-min=16.0km az=172.0, IDC 28 05:55:13.2-2.0,54:22N:86:02E, h0km, mb1 3.4/3, mb1mx3.2/38, mbtmp3.0/3, ML3.1/3, 5C-3D, Error ellipse: s-maj=16.9km s-min=10.4km az=61.0, Southeastern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like I46RU Zalesovo Infra, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

RSNC 28 05:58:22.5-1.0,5:26N:77:96W, h10km, ML3.1, IDC 28 05:58:22.5-1.9,5:75N:77:68W, h0km, mb1 3.3/2, mb1mx3.2/26, mbtmp3.5/2, ML2.1/2, Error ellipse: s-maj=72.1km s-min=27.8km az=174.0, IDC 28 05:58:22.7-1.4,5:49N:0:08,77:73W:0.08, h19km, n14, +250/17, Near west coast of Colombia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SOLC Bahia Solano, PLMC San Jos' del, PLMC San Jos' del, etc.

IDC 28 06:09:54.9-0.9,34:28N:138:68E, h0km, mb3.7/7, mb1 3.8/8, mb1mx3.6/35, mbtmp3.7/8, ML3.5/1, Error ellipse: s-maj=27.5km s-min=14.4km az=66.0, ISCBJ 28 06:09:56.1-0.5,34:77N:0:04:140:09E:0.0, h57km,5km, mb3.7/7, Error ellipse: s-maj=7.7km s-min=6.5km az=139.6, JMA 28 06:09:56.5-0.2,34:82N:140:08E, h55km,2km, M3.0, IDC 28 06:09:57.0-1.0,34:78N:0:05:140:08E:0.0, h49km,9km, n25, +084/24, mb3.7/7, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TATJ Tateyama 2, BS04 Boso 4, BS03 Boso 3, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JHU, MJAR Matsushiro Arr, MJAR Matsushiro, etc.

NIED 28 06:11:00.37:20N:141:40E, h5km, Mw3.7 Best double couple: M=3.59000e+10, N1=26.00000e+0, delta=30.00000e+0, lambda=94.00000e+0, N2=26.21100000e+0, delta=360.00000e+0, lambda=87.00000e+0

IDC 28 06:11:00.42:0.2,37:24N:141:64E, h0km, mb3.4/3, mb1 3.5/4, mb1mx3.3/34, mbtmp3.3/4, ML2.1/2, MS2.8/3, MS1 2.8/3, ms1mx2.6/17, Error ellipse: s-maj=43.5km s-min=30.4km az=59.0, ISCBJ 28 06:11:01.01:1.1,3:17N:0:04:141:49E:0:07, h10km,6km, mb3.4/3, Error ellipse: s-maj=9.0km s-min=6.7km az=17.8, JMA 28 06:11:02.8:0.1,37:20N:141:40E, h25km,1km, M3.5, IDC 28 06:11:01.5:2.0,37:19N:0:05:141:48E:0:08, h7km,10km, n16, +097/23, mb3.4/3, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JFK Kawauchi, JFK Kawauchi, ONAJ Iwakimizuishi, etc.

JMA 28 06:13:06.9:0.1,32:79N:139:35E, h197km, M3.5, Southeast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JHCJ Hachijojimakas, JHJ2 Mitsune, etc.

IDC 28 06:31:46.2:0.9,24:01S:0:07:67:01W:0:05, h181km, mb3.1/1, Error ellipse: s-maj=5.6km s-min=6.8km az=165.6, GUC 28 06:31:48.9:0.4,24:02S:67:44W, h200km, ML4.1, IDC 28 06:31:48.8:2.1,23:77S:67:02W, h192km,25km, mb3.0/1, mb1 3.2/5, mb1mx3.1/29, mbtmp3.7/5, Error ellipse: s-maj=38.0km s-min=23.0km az=145.0, IDC 28 06:31:46.8:1.1,24:01S:0:08:67:02W:0:08, h181km, n13, +184/21, 2C, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LVC Limon Verde, PB06 IPOC Station P, PB06 IPOC Station P, etc.

CSEM 28 06:39:12.6:0.9,38:47N:43:54E, h15km, MD2.6, Error ellipse: s-maj=19.8km s-min=9.3km az=138.0, DDA 28 06:39:12.8,38:46N:43:54E, h18km, ML2.7, ISK 28 06:39:12.6,38:50N:43:43E, h18km, MD2.6, ISC 28 06:39:11.8:1.6,38:51N:0:05:43:63E:0.06, h13km,7km, n26, +088/45, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TVAN Van, TVAN Van, TVAN Van, etc.

ISK 28 06:42:32.3,38:53N:43:69E, h28km, MD2.4, ISCBJ 28 06:42:34.6:1.0,38:73N:0:04:43:36E:0:06, h25km,9km, Error ellipse: s-maj=8.4km s-min=5.6km az=36.7, CSEM 28 06:42:34.0:2,38:73N:43:36E, h20km, ML2.8, Error ellipse: s-maj=5.2km s-min=3.8km az=122.0, DDA 28 06:42:34.9,38:76N:43:30E, h7km, ML2.8, ISC 28 06:42:34.6:1.0,38:73N:0:03:43:36E:0.03, h24km,7km, n18, +086/34, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VANB Van, VANB Van, VANB Van, etc.

ISK 28 06:59:48.2,38:65N:43:08E, h8km, MD2.4, CSEM 28 06:59:49.0:2,38:67N:43:18E, h10km, ML2.8, Error ellipse: s-maj=5.0km s-min=4.6km az=73.0, DDA 28 06:59:49.7,38:66N:43:16E, h7km, ML2.8, ISCBJ 28 06:59:50.4:0.5,38:68N:0:03:43:18E:0:04, h9km,6km, Error ellipse: s-maj=5.3km s-min=5.0km az=178.4, IDC 28 06:59:50.0:1.0,38:67N:0:03:43:15E:0.03, h9km,10km, n20, +084/38, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VANB Van, VANB Van, VANB Van, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and multiple columns of satellite data (callsign, SNR, elevation, etc.). The table lists various satellite stations and their associated technical parameters.







28d 9h

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like AF1, AF2, GEY1, etc.

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Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like ARTV, SFNV, KIV, etc.

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Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like MOS, SIM, ANTO, etc.





SLBS	Sierra La Lagu	132.09	64	ePKPdf	PKPdf	09 31 17.7 +1.3
C36A	Pine Crest Far	132.14	27	P	PKPdf	09 31 16.8 +1.1
H32A	Carlson Farm,	132.14	33	P	PKPdf	09 31 17.2 +1.2
J31A	Geddes	132.19	35	P	PKPdf	09 31 17.1 +1.1
G33A	Ortonville	132.22	32	P	PKPdf	09 31 17.2 +1.2
K33C	Kaye Shedlock'	132.24	42	P	PKPdf	09 31 18.1 +1.7
SCHO	Schefferville	132.24	3	PKHKP	PKPpre	09 31 04.9
SCHO	comp=2.4,0nm,0.5s,baz=7.2,slow=5.4,SNR=6.0			PKP	PKPdf	09 31 16.2 +0.5
SCHO	comp=Z,169nm,0.9s,baz=21,slow=4.5,SNR=5.0			SKPbc	PKPbc	09 33 45.9 +0.7
SCHO	comp=2.5,5nm,0.5s,baz=213,slow=5.1,SNR=7.4			PKP	PKPdf	09 41 09.2 -2.2
SCHO	Schefferville	132.24	3	ePKPdf	PKPdf	09 31 16.4 +0.7
E35A	Pequot Lakes	132.29	29	P	PKPdf	09 31 17.3 +1.2
H33A	Prehn Over Nor	132.30	32	P	PKPdf	09 31 17.7 +1.3
F34A	Alexandria	132.41	30	P	PKPdf	09 31 17.5 +1.1
D36A	Goodland	132.42	28	P	PKPdf	09 31 17.3 +1.0
I32A	Karley and Nic	132.44	34	P	PKPdf	09 31 17.5 +1.0
C37A	Embarrass	132.45	26	P	PKPdf	09 31 17.4 +1.0
EYMM	Ely	132.59	26	P	PKPdf	09 31 18.1 +1.4
EYMM	Ely	132.59	26	ePKPdf	PKPdf	09 31 16.8 +0.2
G34A	Benson	132.60	31	P	PKPdf	09 31 18.2 +1.5
K31A	O'Neill	132.60	36	P	PKPdf	09 31 18.2 +1.3
EPT	El Paso	132.63	53	ePKPdf	PKPdf	09 31 18.0 +0.7
J32A	Parkston	132.65	34	P	PKPdf	09 31 18.1 +1.2
F35A	Swanville	132.70	30	P	PKPdf	09 31 18.2 +1.3
D37A	Colton	132.77	27	P	PKPdf	09 31 18.3 +1.3
I33A	Coleman	132.79	33	P	PKPdf	09 31 18.4 +1.3
C38A	Sawbill Land.	132.86	26	P	PKPdf	09 31 18.2 +1.1
E36A	McGregor	132.86	28	P	PKPdf	09 31 18.6 +1.5
H34A	Spellman Lake,	132.92	32	P	PKPdf	09 31 19.1 +1.7
K32A	Verdigre	133.03	35	P	PKPdf	09 31 18.8 +1.2
ECSD	EROS Data Cent	133.10	33	P	PKPdf	09 31 19.1 +1.4
ECSD	EROS Data Cent	133.10	33	ePKPdf	PKPdf	09 31 17.9 +0.2
J33A	Davis	133.17	34	P	PKPdf	09 31 19.1 +1.3
G35A	Watkins	133.20	30	P	PKPdf	09 31 19.7 +1.9
F36A	Milaca	133.21	29	P	PKPdf	09 31 19.4 +1.5
E37A	Wrenshall	133.23	28	P	PKPdf	09 31 19.4 +1.5
I34A	Hadley	133.30	32	P	PKPdf	09 31 19.8 +1.8
H35A	Sunnyside Ranc	133.39	31	P	PKPdf	09 31 20.0 +1.8
L32A	Elgin	133.42	36	P	PKPdf	09 31 19.8 +1.4
MNTX	Cornudas Mount	133.54	52	P	PKPdf	09 31 21.3 +2.4
MNTX	Cornudas Mount	133.54	52	ePKPdf	PKPdf	09 31 19.9 +1.0
G36A	St. Michael	133.55	30	P	PKPdf	09 31 20.3 +1.8
E38A	The Farm, Brul	133.58	27	P	PKPdf	09 31 19.9 +1.4
K33A	Hardington	133.62	35	P	PKPdf	09 31 20.3 +1.5
BGNE	Belgrade	133.70	37	P	PKPdf	09 31 20.2 +1.3
BGNE	Belgrade	133.70	37	ePKPdf	PKPdf	09 31 18.9 -0.1
L33A	Hoskins	133.74	35	P	PKPdf	09 31 20.3 +1.3
F37A	Hinrichs Farm,	133.74	29	P	PKPdf	09 31 20.4 +1.6
J34A	George	133.75	33	P	PKPdf	09 31 20.4 +1.4
B3T5	Babate	133.78	284	SKPbc	SKPbc	09 33 51.4 0.0
I35A	Creekvew Farm	133.89	32	P	PKPdf	09 31 20.6 +1.5
F38A	Pierce - Schro	133.92	28	P	PKPdf	09 31 21.0 +1.8
H36A	Jessenland, He	133.93	31	P	PKPdf	09 31 21.5 +2.3
SPMN	Marine on St.	134.02	29	P	PKPdf	09 31 21.0 +1.6
K34A	Le Mars	134.07	34	P	PKPdf	09 31 20.8 +1.3
J35A	Milford	134.10	33	P	PKPdf	09 31 20.9 +1.3
M33A	Taylor Creek F	134.16	36	P	PKPdf	09 31 21.0 +1.2
E39A	Mellon	134.20	27	P	PKPdf	09 31 21.4 +1.7
CBKS	Cedar Bluff	134.24	41	P	PKPdf	09 31 21.8 +1.8
CBKS	Cedar Bluff	134.24	41	ePKHKP	PKPdf	09 31 20.4 +0.3
I36A	Fitzsimmons Fa	134.28	31	P	PKPdf	09 31 21.6 +1.7
PSMN	Pico do Norte,	134.37	316	ePKPdf	PKPdf	09 31 21.5 +1.2
L34A	Svendsen Farm,	134.38	35	P	PKPdf	09 31 21.6 +1.4
F39A	Loretta	134.39	27	P	PKPdf	09 31 21.8 +1.7
PSMA	Santa Maria	134.42	316	ePKPdf	PKPdf	09 31 21.8 +1.5
H37A	Dierke Farm, C	134.43	30	P	PKPdf	09 31 22.0 +1.8
E40A	Wakefield	134.44	26	P	PKPdf	09 31 22.1 +1.9
D41A	Chassel	134.52	24	P	PKPdf	09 31 22.4 +2.2
G38A	Ridgeland	134.52	29	P	PKPdf	09 31 21.7 +1.4
K35A	Storm Lake	134.52	33	P	PKPdf	09 31 21.9 +1.5
N33A	J Bar K, Exete	134.53	37	P	PKPdf	09 31 21.7 +1.2
M34A	Aspy Farms, Fr	134.56	36	P	PKPdf	09 31 21.8 +1.3
MSTX	Muleshoe	134.59	48	P	PKPdf	09 31 22.7 +1.8
MSTX	Muleshoe	134.59	48	ePKPdf	PKPdf	09 31 21.5 +0.5
J36A	Seneca 1, Swea	134.59	32	P	PKPdf	09 31 22.2 +1.7
I37A	Lemond, Waseca	134.60	31	P	PKPdf	09 31 22.6 +2.1
H38A	Maiden Rock	134.68	29	P	PKPdf	09 31 22.2 +1.6
F40A	Park Falls	134.75	27	P	PKPdf	09 31 22.5 +1.7
G39A	Holcombe	134.75	28	P	PKPdf	09 31 22.5 +1.8
L35A	Bielow Farm, R	134.76	34	P	PKPdf	09 31 22.6 +1.7
E41A	Kenton	134.82	25	P	PKPdf	09 31 22.6 +1.8
O33A	Hebron	134.85	38	P	PKPdf	09 31 22.6 +1.4
AMTX	Amarillo	134.96	47	ePKPpre	PKPpre	09 31 11.0
AMTX	AMTX	134.97	59	ePKPpre	PKPpre	09 31 22.1 +0.6
HPIG	HPIG	134.97	59	ePKPpre	PKPpre	09 31 22.5 +0.5
K36A	Gilmore City	135.00	33	P	PKPdf	09 31 23.1 +1.9
J37A	Redenius Farm,	135.02	32	P	PKPdf	09 31 23.0 +1.7
M35A	Neola	135.09	35	P	PKPdf	09 31 23.1 +1.6
I38A	Scanlan Farm,	135.12	30	P	PKPdf	09 31 23.2 +1.7

TRQA	Tornquist	135.13	181	ePKPpre	PKPpre	09 31 08.8
H39A	Augusta	135.16	29	P	PKPdf	09 31 22.1 +0.4
G40A	Rib Lake	135.21	27	P	PKPdf	09 31 23.5 +1.9
L36A	Harm Buss Farm	135.25	34	P	PKPdf	09 31 23.6 +1.8
E42A	Champion	135.29	24	P	PKPdf	09 31 23.7 +2.0
O34A	Beatrice	135.33	37	P	PKPdf	09 31 23.1 +1.2
F41A	Three Lakes	135.34	26	P	PKPdf	09 31 23.8 +2.0
K37A	Belmond	135.35	32	P	PKPdf	09 31 23.4 +1.4
N35A	Tabor	135.52	36	P	PKPdf	09 31 24.1 +1.8
J38A	Wedel Dairy, R	135.56	31	P	PKPdf	09 31 23.8 +1.5
M36A	Felix, Anita	135.61	34	P	PKPdf	09 31 24.0 +1.5
H40A	Chili	135.62	28	P	PKPdf	09 31 24.3 +1.9
P34A	Walnut Farm, R	135.64	38	P	PKPdf	09 31 24.4 +1.9
I39A	Houston	135.65	30	P	PKPdf	09 31 23.9 +1.4
E43A	Lone Tree Farm	135.71	24	P	PKPdf	09 31 24.5 +2.0
G41A	Antigo	135.71	26	P	PKPdf	09 31 24.4 +1.8
L37A	Phoenix Point,	135.73	33	P	PKPdf	09 31 24.1 +1.5
F42A	Maple Grove Fa	135.74	25	P	PKPdf	09 31 24.5 +2.0
O35A	Humboldt	135.74	37	P	PKPdf	09 31 24.2 +1.4
TX31	Lajitas Ar. Si	135.81	55	ePKPpre	PKPpre	09 31 08.6
TXAR	Lajitas Array	135.81	55	PKP	PKPdf	09 31 24.8 +1.5
TXAR	comp=2.9,9nm,0.6s,baz=258,slow=2.6,SNR=16			SKPbc	SKPbc	09 33 57.1 -0.5
TXAR	comp=Z,31nm,1.1s,baz=302,slow=2.4,SNR=15			PKPbc	SKKSac	09 40 05.8 +2.4
TXAR	comp=Z,1.7nm,0.5s,baz=132,slow=5.4,SNR=15			PKPbc	PKKPdf	09 41 04.0 -0.4
TXAR	comp=Z,1.7nm,0.6s,baz=120,slow=3.5,SNR=15			SKKbc	SKKbc	09 43 14.7 +1.6
TXAR	comp=Z,2.5nm,1.0s,baz=116,slow=5.7,SNR=14			SKKbc	SKKbc	09 43 14.7 +1.6
PCED	Cedros	135.86	321	ePKPdf	PKPdf	09 31 24.0 +1.0
K38A	Parkesburg	135.89	32	P	PKPdf	09 31 24.6 +1.6
E44A	Grand Marais A	135.93	23	P	PKPdf	09 31 25.4 +2.5
N36A	Mutt Farm, Cla	135.94	35	P	PKPdf	09 31 25.2 +2.1
J39A	Decorah	135.94	30	P	PKPdf	09 31 24.5 +1.4
Q34A	Chapman	135.95	39	P	PKPdf	09 31 25.4 +2.2
H41A	Junction City	135.96	27	P	PKPdf	09 31 24.9 +1.8
G42A	Mountain	136.02	26	P	PKPdf	09 31 25.2 +2.1
K39A	Kansas State U	136.04	38	P	PKPdf	09 31 25.6 +2.2
K39A	Kansas State U	136.04	38	ePKPpre	PKPpre	09 31 10.5
K39A	Kansas State U	136.04	38	ePKPdf	PKPdf	09 31 23.6 +0.2
M37A	Trindle Farm,	136.06	34	P	PKPdf	09 31 25.4 +2.1
H40A	Norwalk	136.06	29	P	PKPdf	09 31 25.0 +1.8
U32A	Winter Ranch,	136.07	43	P	PKPdf	09 31 26.0 +2.5
F43A	Flat Rock, Esc	136.08	24	P	PKPdf	09 31 25.5 +2.3
R34A	Isabella, Hill	136.13	40	P	PKPdf	09 31 25.5 +2.0
P35A	Duane Minner,	136.14	37	P	PKPdf	09 31 25.3 +1.8
L38A	Oak Wood Farm,	136.15	32	P	PKPdf	09 31 25.2 +1.8
SCIA	State Center	136.17	33	ePKPpre	PKPpre	09 31 11.2
F44A	Big Bay de Noc	136.26	24	P	PKPdf	09 31 25.8 +2.3
G43A	Wallace	136.33	25	P	PKPdf	09 31 25.9 +2.3
J40A	Soldiers Grove	136.37	29	P	PKPdf	09 31 25.7 +1.8
O36A	Bolkow	136.38	36	P	PKPdf	09 31 25.2 +1.8
N37A	Lee Paris, Mou	136.41	35	P	PKPdf	09 31 25.8 +1.8
E45A	Wooded Hills,	136.43	22	P	PKPdf	09 31 26.4 +2.6
M38A	Pleasantville	136.52	33	P	PKPdf	09 31 26.1 +1.9
Q35A	Mercer Eighty,	136.55	38	P	PKPdf	09 31 26.3 +2.0
H42A	Shiocton	136.55	27	P	PKPdf	09 31 26.1 +2.0
P36A	Good Intent, A	136.57	37	P	PKPdf	09 31 25.9 +1.6
S34A	Willow Spring	136.57	40	P	PKPdf	09 31 26.3 +2.0
L39A	Vinton	136.66	32	P	PKPdf	09 31 26.0 +1.7
K40A	Colesburg	136.69	30	P	PKPdf	09 31 26.2 +1.8
J41A	Loganville	136.75	29	P	PKPdf	09 31 26.4 +1.9
R35A	Emporia Munci	136.77	39	P	PKPdf	09 31 26.9 +2.2
O37A	Wolven Farm, M	136.83	35	P	PKPdf	09 31 26.8 +2.0
Q36A	Arnold C. Orve	136.85	38	P	PKPdf	09 31 26.5 +1.7
F45A	CMU Biological	136.86	23	P	PKPdf	09 31 26.9 +2.3
I42A	Draeger Farm,	136.86	27	P	PKPdf	09 31 26.5 +1.8
T34A	McClasky Farm	136.91	41	P	PKPdf	09 31 27.1 +2.1
H43A	Windswept, Lux	136.92	26	P	PKPdf	09 31 26.8 +2.0
N38A	Joos South For	136.93	34	P	PKPdf	09 31 26.8 +1.9
M39A	Webster	137.03	32	P	PKPdf	09 31 27.1 +2.0
F46A	Macinaw City C	137.07	22	P	PKPdf	09 31 27.5 +2.5
S35A	Otter Creek Ra	137.09	40	P	PKPdf	09 31 27.6 +2.3
WMOK	Wichita Mounta	137.09	45	P	PKPdf	09 31 27.6 +2.2
WMOK	Wichita Mounta	137.09	45	ePKHKP	PKPpre	09 31 14.5
WMOK	Wichita Mounta	137.09	45	ePKPpre	PKPpre	09 31 14.5
P37A	Lathrop	137.09	36	P	PKPdf	09 31 27.0 +1.7
L40A	Anamosa	137.11	31	P	PKPdf	09 31 26.9 +1.7
K41A	Shubert	137.17	30	P	PKPdf	09 31 27.0 +1.7
J42A	Columbus	137.21	28	P	PKPdf	09 31 27.1 +1.7
R36A	Goorn, Harris	137.21	38	P	PKPdf	09 31 27.5 +1.9
H43A	Langenfeld Bro	137.21	27	P	PKPdf	09 31 27.1 +1.8
O38A	Galt	137.25	35	P	PKPdf	09 31 27.4 +1.9
VLDQ	Vai d'Or	137.27	14	ePKPpre	PKPpre	09 31 13.9
VLDQ	VLDQ	137.35	169	ePKPdf	PKPpre	09 31 25.1 -0.1
GO05	Hualaæø	137.35	169	ePKPdf	PKPpre	

28d 9h

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like SADO, V39A, CCM, etc.

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Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like 242A, 441A, WVT, etc.

1514

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like TIGA, TIGA, NHSC, etc.



28d 10h

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like ROSC El Rosal, ROSC El Rosal, ROSC El Rosal, etc.

2011 NOV

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like 543A St. Martinville, X45A UM Field Stati, ALLY Alegheny Cole, etc.

1516

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like U41A Viola, 239A Gary, S42A Galeodina, etc.







Table with columns: Station, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like MVO, SUMG, PAB, ESDC, etc.

Table with columns: Station, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like BRG, GERES, GEAO, etc.

Table with columns: Station, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like PPT2, KIV, KBZ, etc.

NEIC 28 10:47:16.4u.0, 19:13N-66:80W, h20km, MD3.5(RSPR), After RSPR.

RSPR 28 10:47:16.4, 19:13N-66:80W, h20km±23km, MD3.5/14, 18C-9D, Puerto Rico region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Lists various stations and their observations.

ISCJB 28 11:05:20.4u.0, 8.55°S; 0.2-125.6W; 0.3, h10km, mb4.0/6, MS4.2/9, Error ellipse: s-maj=32.7km s-min=22.8km az=157.1

28d 12h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Palmer Station, Rikitea, Tubuai, Paso Flores, etc.

2011 NOV

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like WRA Warrungunga Arr, ASAR Alice Springs, STKA Stephens Creek, etc.

1520

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like AOPR Arecibo Observ, WDLM Western Deep L, SEK Senekal, etc.





1523

Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like TYV Tymoovskoe, BJT Baijiatou, TBI Tubuai, etc.

2011 NOV

Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like HIA Haiar, LZH Lanzhou, ADK Adak, etc.

28d 12h

Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like YAK Yakutsk, RKT Rikitea, ZAK Zakamensk, etc.



1525

GDXM	comp=Z,13um,18.0s	LR	LR				
BRZS	Berezinski comp=Z,60nm,1.6s	88.49 320	i P	P	12 39 33.1	-2.5	
BRZS			eS	SKS	12 49 58.7	-2.6	
I03D	Drain, OR baz=261	88.61 46	P	P	12 39 36.4	+0.2	
M02C	Callahan baz=262	88.63 48	P	P	12 39 36.3	+0.3	
N02D	Trinity Center baz=262	88.68 49	P	P	12 39 37.5	+0.8	
HUMO	Hull Mountain comp=Z,55nm,1.4s	88.73 47	eP	P	12 39 39.1	+2.2	
HUMO			LR	LR			
WDC	Whiskeytown Da comp=Z,18um,20.0s	88.74 49	PFAKE	LR	12 39 50.0	+13	
WDC			LR	LR			
INK	Inuvik comp=Z,11um,22.0s	88.76 21	PKKPbc	PKKPbc	12 57 15.9	-3.6	
INK			LR	LR	13 17 54.8		
INK	Inuvik comp=Z,9.9nm,1.1s,baz=50,slow=3.4,SNR=11	88.76 21	eP	P	12 39 35.4	-1.0	
INK			pmax				
INK	Inuvik comp=Z,114nm,1.3s	88.76 21	eP	P	12 39 35.4	-1.0	
INK	Kabul comp=Z,114nm,1.3s	88.78 305	eP	P	12 39 36.5	-1.1	
INK			pmax				
KBL	Kabl comp=Z,81nm,1.3s			MLR	MLR		
KBL				MLR	MLR		
KBL	Kabl comp=Z,5um,22.0s	88.78 305	eP	P	12 39 36.5	-1.1	
KBL				LR	LR		
YBH	Yreka Blue Hor comp=Z,19um,21.5s,baz=291,slow=31	88.78 48	LR	LR	13 12 15.0		
KK31	Karatay Array comp=Z,36nm,0.9s	88.84 313	i P	P	12 39 36.8	-0.6	
KK31			pmax				
KKAR	Karatay Array comp=Z,407nm,1.3s	88.84 313	eP	P	12 39 37.1	-0.3	
KKAR			pmax				
KKAR			MLR	MLR			
KKAR	Karatay Array comp=Z,2um,20.0s	88.84 313	eP	P	12 39 37.1	-0.3	
KKAR				LR	LR		
KKAR				LR	LR		
E03A	Lebam comp=Z,2um,20.0s	88.91 43	PFAKE	LR	12 39 50.0	+12	
E03A				LR	LR		
IUG	Iuzhny comp=Z,10um,20.0s	89.05 312	i P	P	12 39 36.2	-2.3	
IUG			iS	SKS	12 50 02.6	-2.5	
IUG			LRM	MLR	12 30 35.6		
SAO	San Andreas Ge comp=Z,919nm,19.7s	89.07 53	PFAKE	LR	12 39 50.0	+11	
SAO			LR	LR			
O03D	Paynes Creek comp=Z,6um,20.0s	89.26 50	P	P	12 39 39.7	+0.2	
O03D				LR	LR		
I04A	Tendick Farm, baz=262	89.30 46	P	P	12 39 38.9	-0.7	
PGC	Sidney comp=Z,5um,19.0s	89.32 41	PFAKE	LR	12 39 50.0	+11	
PGC				LR	LR		
BRLS	Borliday comp=Z,35nm,1.9s	89.32 313	i P	P	12 39 37.7	-2.0	
BRLS			eS	SKS	12 50 04.3	-2.2	
ORV	Oroville comp=Z,31nm,1.5s	89.39 50	eP	P	12 39 40.7	+0.6	
ORV			pmax				
ORV			MLR	MLR			
ORV	Oroville comp=Z,8um,22.0s	89.39 50	eP	P	12 39 40.7	+0.6	
ORV				LR	LR		
M04C	Macdoel baz=262	89.44 48	P	P	12 39 40.3	-0.1	
J04D	Umpqua Nationa baz=263	89.44 47	P	P	12 39 39.8	-0.7	
DZET	Dzherino comp=Z,320nm,1.4s	89.51 309	P	P	12 39 40.6	-0.2	
DZET			pmax				
H04A	Detroit Lake comp=Z,6um,20.0s	89.59 45	PFAKE	LR	12 39 50.0	+9.1	
H04A				LR	LR		
AFDM	Forest Hills D comp=Z,33nm,1.2s	89.72 51	eP	P	12 39 41.5	-0.1	
AFDM				LR	LR		
A04D	Lummi Island baz=262	89.81 41	P	P	12 39 42.6	+0.8	
PAGB	Antelope Grade comp=Z,90nm,1.7s	89.90 54	eP	P	12 39 42.8	+0.2	
PAGB				LR	LR		
SMMC	Simmler baz=263	90.06 55	P	P	12 39 43.7	+0.4	
CMB	Columbia Colle comp=Z,18nm,1.2s	90.06 52	eP	P	12 39 43.7	+0.4	
CMB				MLR	MLR		
CMB	Columbia Colle comp=Z,7um,19.0s	90.06 52	eP	P	12 39 43.7	+0.4	
CMB				LR	LR		
CMB	Columbia Colle comp=Z,18nm,1.2s	90.07 43	PFAKE	LR	12 39 50.0	+7.0	
D05A	Enumclaw comp=Z,7um,19.0s	90.07 43	PFAKE	LR	12 39 50.0	+7.0	
D05A				LR	LR		
J05D	Fort Rock, OR baz=263	90.08 47	P	P	12 39 43.8	+0.4	
LOH	Longmire comp=Z,10um,22.0s	90.13 43	PFAKE	LR	12 40 00.0	+17	
LOH				LR	LR		
I05D	Terrebonne, OR baz=263	90.14 46	P	P	12 39 44.1	+0.6	
B05A	Bryant baz=262	90.15 42	P	P	12 39 44.4	+1.0	
PKM	Mpherson Peak baz=264	90.16 55	P	P	12 39 44.2	+0.2	
SBC	Santa Barbara baz=264	90.19 56	P	P	12 39 43.5	-0.3	
SCZ2	Santa Cruz Isl baz=264	90.20 56	P	P	12 39 43.8	-0.1	
SNCC	San Nicolas Is baz=264	90.21 57	P	P	12 39 44.4	+0.4	
SNCC	San Nicolas Is comp=Z,90nm,1.7s	90.21 57	PFAKE	LR	12 40 00.0	+16	
SNCC				LR	LR		
G05D	Wamic, OR baz=263	90.27 45	P	P	12 39 44.7	+0.6	
BEKR	Beckworth comp=Z,17nm,1.0s	90.30 50	eP	P	12 39 44.0	-0.5	
BEKR				LR	LR		
BVAR	Borovoye Array comp=Z,12um,22.0s	90.40 323	P	P	12 39 43.2	-1.3	
BVAR				LR	LR		
BVAR				LR	LR		
BRVK	Borovoye comp=Z,4um,22.0s,baz=90,slow=35	90.47 323	i P	P	12 39 43.5	-1.2	
BRVK			pmax				
BRVK			MLR	MLR			
BRVK	Borovoye comp=Z,3um,19.0s	90.47 323	eP	P	12 39 43.5	-1.2	
BRVK				LR	LR		
BRVK	Borovoye comp=Z,5um,21.0s	90.47 323	P	P	12 39 43.5	-1.2	
BRVK				P	12 39 43.5	-1.2	
BRVK	Borovoye SNR=42	90.47 323	P	P	12 39 43.5	-1.2	
BRVK				P	12 39 43.5	-1.2	
B06A	Marblemount comp=Z,6um,19.0s	90.59 41	PFAKE	LR	12 40 00.0	+15	
B06A				LR	LR		
MOD	Modoc Plateau comp=Z,20nm,1.1s	90.59 48	eP	P	12 39 45.3	-0.5	
MOD				LR	LR		
LLLB	Lilloet comp=Z,14um,20.0s	90.61 39	eP	P	12 39 47.5	+1.9	

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LLLB	comp=Z,31nm,1.3s		LR	LR			
BLG	comp=Z,7um,20.0s	90.68 56	P	P	12 39 46.6	+0.4	
BLG	Laguna Peak, P baz=264						
G06A	Carlson Farm, G06A	90.75 45	PFAKE	LR	12 40 00.0	+14	
RCTC	comp=Z,7um,19.0s	90.78 54	P	P	12 39 45.5	-1.1	
RCTC	Rector, Farmer baz=264						
PNTR	Pine Nut comp=Z,85nm,1.4s	90.80 51	eP	P	12 39 47.6	+0.7	
PNTR				LR	LR		
PNTR				LR	LR		
VES	Vestal, Richgr baz=264	90.85 54	P	P	12 39 46.6	-0.3	
WAKR	Walker comp=Z,52nm,1.5s	90.86 52	eP	P	12 39 48.0	+0.8	
WAKR				LR	LR		
C06D	Leavenworth comp=Z,7um,19.0s	90.90 42	P	P	12 39 46.0	-0.9	
C06D							
LTY	Liberty comp=Z,42nm,1.2s	90.97 43	eP	P	12 39 49.5	+2.1	
LTY				LR	LR		
LTY				LR	LR		
ARVC	Arvin baz=264	90.98 55	P	P	12 39 47.5	-0.1	
SC12	San Clemente I baz=264	91.00 57	P	P	12 39 47.5	-0.1	
OSI	Osito Audit: C baz=264	91.02 55	P	P	12 39 47.9	+0.1	
OSI							
OSI	Osito Audit: C comp=Z,5um,18.0s	91.02 55	PFAKE	LR	12 40 00.0	+12	
PAHR	Pah Rah Range comp=Z,100nm,1.8s	91.03 50	eP	P	12 39 47.7	-0.2	
PAHR				LR	LR		
MDPB	Devils Postpil comp=Z,92nm,1.8s	91.05 52	eP	P	12 39 48.2	0.0	
MDPB				LR	LR		
YERR	Yerington comp=Z,6um,19.0s	91.07 51	eP	P	12 39 48.1	0.0	
YERR				LR	LR		
YERR				LR	LR		
CIS	Catalina Islan baz=264	91.15 57	P	P	12 39 48.0	-0.4	
MLAC	Mammoth, Mammoth baz=264	91.24 52	P	P	12 39 46.6	-2.5	
FMP	Fort Macarthur baz=264	91.28 56	P	P	12 39 48.3	-0.6	
DECC	Green Verdugo baz=264	91.30 56	P	P	12 39 48.9	-0.2	
F07A	Phinny Hill Vi F07A	91.32 44	PFAKE	LR	12 40 00.0	+11	
F07A				LR	LR		
ISA	Isabella, Lake baz=264	91.33 54	P	P	12 39 48.5	-0.7	
I07A	Izee comp=Z,48nm,1.3s	91.42 46	eP	P	12 39 49.0	-0.5	
I07A				LR	LR		
E07A	Sunnyside comp=Z,10um,20.0s	91.45 44	eP	P	12 39 49.0	-0.5	
E07A				LR	LR		
MWC	Mount Wilson comp=Z,10um,20.0s	91.53 56	eP	P	12 39 50.4	+0.1	
MWC				pmax			
MWC				MLR	MLR		
MWC	Mount Wilson comp=Z,71nm,1.1s	91.53 56	eP	P	12 39 50.4	+0.1	
MWC				LR	LR		
EDW2	Edwards Air Fo baz=264	91.64 55	P	P	12 39 50.2	-0.5	
HAWA	Hanford comp=Z,61nm,1.2s	91.65 44	eP	P	12 39 52.8	+2.4	
HAWA				LR	LR		
TIN	Tinemaha, Big baz=264	91.66 53	P	P	12 39 50.9	0.0	
CWC	Cottonwood Cre baz=264	91.72 54	P	P	12 39 50.9	-0.3	
BFSC	Mount Baldy Ra baz=265	91.86 56	P	P	12 39 52.5	+0.7	
WVOR	Wild Horse Val comp=Z,46nm,1.3s	91.88 48	eP	P	12 39 51.8	+0.1	
WVOR				pmax			
WVOR				MLR	MLR		
WVOR	Wild Horse Val comp=Z,15um,20.0s	91.88 48	eP	P	12 39 51.8	+0.1	
WVOR				LR	LR		
G08A	Pilot Rock comp=Z,49nm,1.2s	91.93 45	eP	P	12 39 51.2	-0.7	
G08A				LR	LR		
LRMC	Laurel Mtn Rad baz=265	91.95 55	P	P	12 39 53.0	+0.7	
E08A	Dider Farm, El comp=Z,117nm,1.5s	91.98 44	eP	P	12 39 51.5		



28d 12h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like KNB, Kanab, SRIG, DUG, HVU, etc.

2011 NOV

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like AKTO, SLBS, LKWY, P18A, etc.

1526

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like Q24A, MNTX, MHTCO, HGTCO, etc.



28d 12h

Table with columns for station call letters, frequency, power, and signal quality. Includes stations like SCHQ Schefferville, GO05 Hualaëo, MCWV Mont Chateau, etc.

2011 NOV

Table with columns for station call letters, frequency, power, and signal quality. Includes stations like VAY Vandervo, CLM Colim, GOCG GOCG, etc.

1528

Table with columns for station call letters, frequency, power, and signal quality. Includes stations like BOJS Bojanci, VISS Visnje, ATAH Atahualpa, etc.

Table with columns: STVI, ES19, ESDC, ESDC, ESLSA, MVO, POLO, MTE, PCBR, SEUS, SMRI, PKW, PTOM, PNTAG, PBAR, ANWB, PMAFR, LIS, LIS, LIS, PBEJ, PNCL, MESJ, MESJ, MESJ, PCVE, PVAC, PBDV, PTEO, GRGR, SPB, SPB, FDF, FDF, FDF, MORF, MORF, MORF, BIM, TRMF, ZAM, SVB, PFVI, PFVI, TAM, TAM, TAM, TOSP, PTGA, PTGA, PTGA, MDT, BBGH, BBGH, RTC, RTC, PCED, ADCH, CALA, PICO, PSET, PCALD, BART, PDA, PSMN, PSMA, BDFB, BDFB, BDFB, SHUT, SHEL, TOC2, TOC2, TOC3, TOC3, TOB2, TOB2, TOC1, TOC1, TOB3, TOB3, TOA0, TOA0, TORD, TORD, TORD, TOA1, TOA1, TOC4, TOC4, TOC7, TOC7, TOB4, TOB4, TOB5, TOB5, TOC5, TOC5, TOC6, TOC6, KOWA

Table with columns: KOWA, KIC, DBIC, DBIC, DBIC, DBIC, DBIC, TIC, LIC

CSEM 28 12:43:32.8, 37.06N, 28.10E, h7km, MD2.4, Suspected Mining explosion.

DDA 28 12:43:32.8, 37.06N, 28.10E, h7km, MD2.4, Suspected Mining explosion., Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res

IASPEI 28 12:54:26.8, 0.9, 39.07N, 0.02, 29.04E, h3km, 7km, Error ellipse: s-maj=3.3km s-min=2.9km az=10.5, GTS

selection from ISC bulletin GTS identified by Bond'ri and McLaughlin (2009) selection criteria Bond'ri and McLaughlin, A new ground truth data set for seismic studies, <i>Seism. Res. Let.</i>, <b>80</b>:465-472, 2009

ISK 28 12:54:26.2, 39.06N, 29.05E, h3km, MD2.6

DDA 28 12:54:27.2, 39.05N, 28.99E, h7km, Md2.8

CSEM 28 12:54:27.1, 0.1, 39.07N, 29.04E, h2km, MD2.6, Error ellipse: s-maj=1.7km s-min=1.5km az=71.0

ISC 28 12:54:26.8, 0.9, 39.07N, 0.02, 29.03E, h3km, 7km, n107, e0:88/130, Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res

Table with columns: KAVV, ISK, ISK, URLA, URLA, SILT, SILT, RKY, RKY, MDUB, MDUB, KLYT, KLYT, LPK, LPK, CTKS, CTKS, KIZT, KIZT, GELI, GELI, ELL, ELL, BOZC, BOZC, CTYL, CTYL, CTYL, SIKR, SIKR, ERIG, ERIG, ERIG, ERIG, GADA, GADA

ISK 28 13:27:28.6, 4.1, 10N, 36.01E, h5km, MD2.5

ISCJB 28 13:27:29.2, 0.7, 41.12N, 0.04, 36.02E, 0.05, h0km, Error ellipse: s-maj=6.2km s-min=4.5km az=142.5

CSEM 28 13:27:29.3, 0.3, 41.11N, 36.03E, h1km, 3km, MD2.5, Error ellipse: s-maj=7.8km s-min=6.4km az=56.0, Suspected Mining explosion.

DDA 28 13:27:29.2, 0.1, 41.25N, 35.81E, h7km, Md2.3, Suspected Mining explosion.

ISC 28 13:27:29.3, 0.9, 41.12N, 0.03, 35.99E, 0.03, h0km, n116, e1915/28, Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res

CSEM 28 13:35:05.2, 38.64N, 28.53W, h5km, ML3.1

PDA 28 13:35:05.2, 0.9, 38.64N, 28.53W, h5km, 6km, MD3.6, ML3.1, 2C-2D, Error ellipse: s-maj=2.8km s-min=2.0km az=172.0, Azores Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res

MEX 28 13:42:30.2, 0.3, 16.84N, 100.30W, h7km, 2km, MD3.5, Near coast of Guerrero

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res

IDC 28 13:49:37.2, 2.5, 0.73S, 128.87E, h0km, mb3.2/2, mb1.3/2, mb1mx3.0/3, mbtmp3.0/3, ML2.8/1, Error ellipse: s-maj=193.0km s-min=26.1km az=68.0, Halimahera

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res

28d 14h

ASAR Alice Springs 23.33 166 P P 13 54 48.4 +0.7
MKAR Makanchi Array 62.39 326 P P 14 00 02.4 0.0

IDC 28 14:13:57.20.9.1.0, 19:11N:66.74W, h0km, mb3.6/4,
mb1 3.9/4, mb1mx3.5/59, mbtmp3.6/4, Error ellipse:
s-maj=37.0km s-min=16.0km az=52.0

Code Station Name Az AZZ Phase ID Time Res
SJC San Juan 1.12 152 Ph Pn 13 57 44.5 -0.6
SJC 70nm, 0.3s, baz=30, slow=16, SNR=17

ISK 28 14:10:32.5, 38.77N, 43.20E, h2km, MD2.3
ISCJB 28 14:10:36.0, 0.8, 38.74N, 0.04, 43.39E, 0.06, h2km, 8km,
Error ellipse: s-maj=8.8km s-min=5.4km az=33.9

Code Station Name Az AZZ Phase ID Time Res
VANB Van 0.18 170 ePg P 14 10 39.7 -0.7
VANB Van 0.18 170 ePg P 14 10 40.5 +1.5
VANB Van 0.18 170 ePg P 14 10 39.7 -0.7

IDC 28 14:14:25.5, 1.5, 1.32S, 126.84E, h0km, mb3.4/2,
mb1 3.6/4, mb1mx3.6/50, mbtmp3.5/4, ML3.5/2, Error
ellipse: s-maj=35.6km s-min=25.5km az=56.0

Code Station Name Az AZZ Phase ID Time Res
LBMI Labuha 0.60 25 Op ISC h m s ISC
LBMI Labuha 0.60 25 Op ISC h m s ISC

ISK 28 14:17:30.4, 0.3, 38.85N, 43.49E, h15km, MD2.8, Error
ellipse: s-maj=7.6km s-min=1km az=103.0
DDA 28 14:17:32.0, 38.83N, 43.46E, h7km, MD2.8

Code Station Name Az AZZ Phase ID Time Res
VMUR Van-Muradiye 0.17 21 iP P 14 17 35.8 +0.4
VMUR Van-Muradiye 0.17 21 iP P 14 17 35.8 +0.4
VMUR Van-Muradiye 0.17 21 iP P 14 17 35.8 +0.4

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EATA Eleskirt 1.29 323 i P Pn 14 17 54.8 -0.7
EATA Eleskirt 1.29 323 i S Sg 14 17 53.8 +1.7
EATA Eleskirt 1.29 323 P Pn 14 17 54.8 -0.7

RSPR 28 14:23:49.6, 19.09N:66.76W, h23km, 31km, MD3.3/15
NEIC 28 14:23:49.6, 0.0, 19.09N:66.76W, h23km, MD3.3(RSPR),
After RSPR,
IDC 28 14:23:50.6, 2.8, 18.94N:66.79W, h46km, 39km, mb3.5/6,
mb1 3.8/6, mb1mx3.4/68, mbtmp3.7/6, Error ellipse:
s-maj=41.7km s-min=23.5km az=21.0

Code Station Name Az AZZ Phase ID Time Res
ACPR Aguadilla, PR 0.72 212 Op ISC h m s ISC
AGPR Aguadilla, PR 0.72 212 Op ISC h m s ISC

ISC 28 14:23:46.1, 1.5, 19.08N:0.05, 66.71W, 0.03, h1km, 10km,
n39, e071/54, mb3.8/5, 11C-18D, Puerto Rico region

Code Station Name Az AZZ Phase ID Time Res
SJC San Juan 1.10 151 Op Pn 14 24 22.0 +0.6
SJC San Juan 1.10 151 Op Pn 14 24 08.0 +0.6
GBPR Guanica, Bosqu 1.11 188 Op Pn 14 24 08.1 +0.5

IDC 28 14:27:53.2, 2.2, 5.59S: 153.76E, h20km, 13km, mb4.8/35,
mb1 4.9/38, mb1mx4.8/53, mbtmp5.0/38, ML3.9, MS4.6/22,
Ms1 4.6/22, ms1mx4.4/37, Error ellipse: s-maj=13.9km,
s-min=9.6km az=94.4

Code Station Name Az AZZ Phase ID Time Res
RABL Rabaul 1.98 313 ePn Pn 14 28 29.6 +1.3
HNR Honiara 7.36 122 ePn Pn 14 29 45.0 +2.8
HNR Honiara 7.36 122 ePn Pn 14 29 43.5 +1.3

MOS 28 14:27:54.6, 1.3, 5.55S: 153.56E, h33km, mb5.4/30, Error
ellipse: s-maj=8.6km s-min=6.7km az=98.4
DJA 28 14:27:50.0, 6.6, 6.3S: 15.4E, h45km, 5km, MS4.3/1,
mb5.3/31, mb5.8/19, MLV5.7/1, Mw(MB)5.3/19

Code Station Name Az AZZ Phase ID Time Res
RABL Rabaul 1.98 313 ePn Pn 14 28 29.6 +1.3
HNR Honiara 7.36 122 ePn Pn 14 29 45.0 +2.8
HNR Honiara 7.36 122 ePn Pn 14 29 43.5 +1.3

1530

DZM comp=Z, 41nm, 0.7s, baz=331, slow=13, SNR=33 LR LR 14 40 00.8
DZM Mont Dzumac 20.58 144 eP P 14 32 32.4 -0.3
DZM comp=Z, 21nm, 1.1s eLR LR 14 37 24.8

comp=Z, 1um, 22.9s
DZM Mont Dzumac 20.58 144 eP P 14 32 32.1 -0.6
GUMO Guam 20.91 335 P P 14 32 35.8 -0.3

Code Station Name Az AZZ Phase ID Time Res
ACPR Aguadilla, PR 0.72 212 Op ISC h m s ISC
AGPR Aguadilla, PR 0.72 212 Op ISC h m s ISC

ISC 28 14:23:46.1, 1.5, 19.08N:0.05, 66.71W, 0.03, h1km, 10km,
n39, e071/54, mb3.8/5, 11C-18D, Puerto Rico region

Code Station Name Az AZZ Phase ID Time Res
SJC San Juan 1.10 151 Op Pn 14 24 22.0 +0.6
SJC San Juan 1.10 151 Op Pn 14 24 08.0 +0.6
GBPR Guanica, Bosqu 1.11 188 Op Pn 14 24 08.1 +0.5

IDC 28 14:27:53.2, 2.2, 5.59S: 153.76E, h20km, 13km, mb4.8/35,
mb1 4.9/38, mb1mx4.8/53, mbtmp5.0/38, ML3.9, MS4.6/22,
Ms1 4.6/22, ms1mx4.4/37, Error ellipse: s-maj=13.9km,
s-min=9.6km az=94.4

Code Station Name Az AZZ Phase ID Time Res
RABL Rabaul 1.98 313 ePn Pn 14 28 29.6 +1.3
HNR Honiara 7.36 122 ePn Pn 14 29 45.0 +2.8
HNR Honiara 7.36 122 ePn Pn 14 29 43.5 +1.3

MOS 28 14:27:54.6, 1.3, 5.55S: 153.56E, h33km, mb5.4/30, Error
ellipse: s-maj=8.6km s-min=6.7km az=98.4
DJA 28 14:27:50.0, 6.6, 6.3S: 15.4E, h45km, 5km, MS4.3/1,
mb5.3/31, mb5.8/19, MLV5.7/1, Mw(MB)5.3/19

Code Station Name Az AZZ Phase ID Time Res
RABL Rabaul 1.98 313 ePn Pn 14 28 29.6 +1.3
HNR Honiara 7.36 122 ePn Pn 14 29 45.0 +2.8
HNR Honiara 7.36 122 ePn Pn 14 29 43.5 +1.3











Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like NIE Nedzica, KECS Kevoco, AGG Agios Georgios, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like BPAW Bear Paw Mtn., PMLA Purkeypile, TRF Thorafore Moun, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like LAKA, LAKA Lakka, LAKA Lakka, etc.





Table of astronomical observations for 28d 18h, including station names, coordinates, and observation times.

Table of astronomical observations for 2011 NOV, including station names, coordinates, and observation times.

Table of astronomical observations for 1538, including station names, coordinates, and observation times.





Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KSH, AAK, STKA, BRVK, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NCK, MDPB, KVN, ZEI, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like LAO, CCUT, IKP, IRM, etc.

Additional technical information and notes at the bottom right of the page, including coordinates and signal strength data.







29d Oh

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like FINES, KVAR, KIV, HFS, NOA, AKASG, KIEV, etc.

NIED 28 23:25:00, 30.60N, 132.90E, h5km, Mw3.7 Best double couple: M4.510000, 1014 NP1.000000, 852.000000, 1.50.000000. NP2.00.167.000000, 853.000000, 1.30.000000.

JMA 28 23:25:43.8-0.1, 30.57N, 132.86E, h63km, M3.5, Southeast of Shikoku

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JTN, JNR, JTSR, JTR, etc.

NIED 28 23:33:00, 38.70N, 142.40E, h41km, Mw3.6 Best double couple: M2.870000, 1014 NP1.000000, 827.000000, 1.10.000000. NP2.00.1.000000, 863.000000, 1.85.000000.

JMA 28 23:33:12.3-0.1, 38.72N, 142.39E, h37km, Mw2.6, JMA Felt 1 J1

ISC 28 23:33:08.2, 1.9, 38.53N, 0.05, 142.33E, 0.08, h4km, 11km, m2.5, 18.44/24, mb3.5/7, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OFUJ, JIO, JMW, etc.

ISC 28 23:49:37.8-0.7, 37.75N, 0.02-25.82E, 0.03, h5km, 6km, Error ellipse: s-maj=4.3km s-min=3.2km az=148.7

CSEM 28 23:49:37.8-0.2, 37.77N, 25.80E, h2km, ML1.9, Error ellipse: s-maj=4.8km s-min=4.2km az=157.0

ATH 28 23:49:37.5, 37.75N, 25.81E, h2km, 1km, ML1.9/0, Error ellipse: s-maj=2.0km s-min=0.9km az=102.0

DDA 28 23:49:47.5, 38.00N, 26.52E, h7km, Md2.6, n54, c0.73/76, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CHOS, ZALV, MKAR, etc.

2011 NOV

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like DGB, KARY, KARY, etc.

ISC 29 00:14:28.4, 1.8, 59.40N, 153.67W, h72km, 17km, mb3.3/3, mb1 3.6/5, mb1mx3.2/33, mbtm3.3/5, Error ellipse: s-maj=25.6km s-min=1.2km az=91.0

ISC/CJB 29 00:14:29.5, 0.4, 59.30N, 0.03, 153.48W, 0.07, h111km, 4km, mb3.5/3, Error ellipse: s-maj=6.7km s-min=4.0km az=35.7

NEIC 29 00:14:31.5, 0.0, 59.25N, 153.53W, h102km, MG3.2(AEIC), After AEIC

ISC 29 00:14:30.7, 0.9, 59.31N, 153.54W, 0.04, mb1 0.06km, n65, c1.122/81, mb3.4/3, Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Code, Station Name, Az, Phase ID, Time, Res.

1544

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like DIV, KLU, KTH, etc.

MOS 29 00:30:27.5-1.1, 1.48S, 15.48W, h10km, mb5.6/95, MS5.6/87, Error ellipse: s-maj=7.7km s-min=3.9km az=60.6

ICD 29 00:30:27.9, 0.3, 1.50S, 15.49W, h0km, mb5.0/40, mb1 5.1/41, mb1mx5.1/42, mbtm5.0/41, ML4.6/1, MS5.5/29, MS1 5.5/29, ms1mx5.4/30, Error ellipse: s-maj=12.2km s-min=5.5km az=143.0

ICJB 29 00:30:28.7, 0.1, 1.58S, 0.02, 15.41W, 0.02, h19km, mb5.4/349, MS5.7/578, Error ellipse: s-maj=3.0km s-min=2.1km az=154.7

BUI 29 00:30:29.3, 1.60S, 15.50W, h10km, mb5.4/8, mb5.8/26, MS5.8/32, Ms7 5.6/33

GCMT 29 00:30:29.1, 0.1, 1.28S, 15.60W, h12km, MW5.9/154, Moment Tensor Solution. s130, c265, s154, c501; Duration: 2s2 Moment tensor: Scale 1018Nm; Mo:0.09; 01; Mo:0.29; 01; Mo:0.38; 01; Mo:0.18; 02; Mo:0.89; 01; Mo:0.22; 01; Best double couple: M0.98200x1018 NP1.000000, 861.000000, 1.169.000000. NP2.00.169.000000, 879.000000, 1.4.000000. Principal axes: T 0.930, Plg2.0000; Azm34.0000; N 0.1580, Plg76.0000; Azm298.0000; P -1.0610, Plg14.0000. Azm125.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.

NEIC 29 00:30:29.1, 0.1, 1.60S, 15.45W, h10km, mb5.6/254, MS5.7/298, MW5.9, MW6.0, MW5.9 Error ellipse: s-maj=4.9km s-min=3.2km az=157.0, Moment Tensor Solution. s36 Moment tensor: Scale 1017Nm; Mr:0.16; Mw:4.29; Mw:4.45; Mw:0.77; Mw:7.38; Mw:0.41; Best double couple: M8.60000x1017 NP1.000000, 886.000000, 1.76.000000. NP2.00.169.000000, 886.000000, 1.4.000000. Principal axes: T 0.930, Plg2.0000; Azm34.0000; N 0.1580, Plg76.0000; Azm298.0000; P -1.0610, Plg14.0000. Azm125.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.

NEIC 29 00:30:29.0, 0.0, 1.44S, 15.35W, h15km, Moment Tensor Solution. s36 Moment tensor: Scale 1017Nm; Mr:1.40; Mw:1.78; Mw:3.18; Mw:2.75; Mw:6.92; Mw:0.56; Best double couple: M8.00000x1017 NP1.000000, 879.000000, 1.159.000000. NP2.00.352.000000, 869.000000, 1.21.000000. Principal axes: T 7.7000, Plg22.0000; Azm13.0000; N 0.4800, Plg66.0000; Azm52.0000; P -1.9000, Plg7.0000; Azm36.0000.

NEIC 29 00:30:29.0, 0.0, 1.00S, 15.35W, h10km, Best double couple: M8.00000x1017 NP1.000000, 886.000000, 1.31.000000. NP2.00.255.000000, 859.000000, 1.167.000000. Principal axes: T 1.2400, Plg30.0000; Azm218.0000; N -0.2600, Plg57.0000; Azm9.0000; P -0.9800, Plg13.0000. Azm120.0000.

ISC 29 00:30:28.9, 0.6, 1.51S, 0.03, 15.50W, 0.04, h8km, 3km, n1635, s178/1486, mb5.5/360, MS5.8/581, 43C-29D, North of Ascension Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H10N2, H10N3, H10N1, etc.



29d Oh

DID	Didima	52.83	39	P	P	00 39 44.2	-0.9
DID	Didima	52.83	39	P	P	00 39 44.2	-0.9
EVR	Evyrtania	52.85	36	P	P	00 39 45.3	0.0
THEF	They Wentfort	52.85	18	eP	P	00 39 45.8	0.0
DSF	Desfina	52.96	37	P	P	00 39 45.8	-0.3
DSF	Desfina	52.96	37	P	P	00 39 45.8	-0.3
MTP	Monte Pirata	52.96	294	eP	P	00 39 46.2	-0.2
MTP	comp-Z,102nm,1.0s				LR	LR	
LTK	Loutraki	52.98	38	P	P	00 39 45.9	-0.3
LTK	Loutraki	52.98	38	P	P	00 39 45.9	-0.3
MCF	Molkenrain	52.98	19	eP	P	00 39 45.6	-0.5
FUORN	Openpass-Fuorn	53.02	22	eP	P	00 39 46.1	-0.5
AGG	Agios Georgios	53.23	37	eP	P	00 39 46.9	-1.1
AGG	comp-Z,120nm,1.3s				pmx	pmx	
AGG	comp-Z,14um,20.0s				MLR	MLR	
AGG	Agios Georgios	53.23	37	eP	P	00 39 46.9	-1.1
AGG	comp-Z,120nm,1.3s				LR	LR	
AGG	comp-Z,14um,20.0s				LR	LR	
HUMP	Agios Georgios	53.23	37	eP	P	00 39 43.6	-4.5
HUMP	Col San Antoni	53.24	294	eP	P	00 39 47.6	-0.9
HUMP	comp-Z,195nm,1.4s				LR	LR	
VILL	Villia	53.28	38	eP	P	00 39 48.2	-0.3
CBYP	Canovanos	53.29	294	eP	P	00 39 48.6	-0.3
CBYP	comp-Z,150nm,1.3s				ePcP	PcP	
CBYP	comp-Z,8um,21.0s				eP	P	
PENT	Pentalofos	53.30	35	P	P	00 39 49.1	+0.4
ECH	Echery	53.31	19	eP	P	00 39 48.0	-0.5
TIR	Tirane	53.38	33	eP	P	00 39 52.7	+3.6
TIR	Tirane	53.38	33	eP	P	00 39 48.9	-0.1
TIR	comp-Z,168nm,1.7s				pmx	pmx	
TIR	comp-Z,7um,19.0s				MLR	MLR	
TIR	Tirane	53.38	33	eP	P	00 39 48.9	-0.1
TIR	comp-Z,168nm,1.7s				LR	LR	
VLY	Voula, Athens	53.39	39	P	P	00 39 48.8	-0.4
VLY	Voula, Athens	53.39	39	P	P	00 39 48.8	-0.4
THL	Klokots Trika	53.39	36	P	P	00 39 49.2	0.0
LKR	Lokris	53.39	37	P	P	00 39 48.8	-0.4
LKR	Lokris	53.39	37	P	P	00 39 48.8	-0.4
NEST	Nestorio	53.40	34	P	P	00 39 50.6	+1.2
ATH	Athens Observa	53.41	38	P	P	00 39 49.5	+0.1
ATH	Athens Observa	53.41	38	P	P	00 39 49.5	+0.1
ATH	Athens Observa	53.41	38	P	P	00 39 49.5	+0.1
HOY	Herczeg Novi	53.43	31	eP	P	00 39 49.8	+0.4
DAVA	Damuels	53.44	21	eP	P	00 39 48.3	-1.3
ATHU	Athens Univers	53.45	39	P	P	00 39 49.5	-0.2
ATHU	Athens Univers	53.45	39	P	P	00 39 49.5	-0.2
ULIC	Ulcinj	53.47	32	eP	P	00 39 51.1	+1.3
SJG	San Juan	53.51	294	eP	P	00 39 50.3	-0.2
SJG	comp-Z,12nm,0.7s,baz=22,slow=11,SNR=3.9				eP	P	
SJG	San Juan	53.51	294	eP	P	00 39 49.1	-1.3
SJG	comp-Z,314nm,2.0s				pmx	pmx	
SJG	comp-Z,314nm,2.0s				MLR	MLR	
SJG	San Juan	53.51	294	eP	P	00 39 49.1	-1.3
SJG	comp-Z,314nm,2.0s				LR	LR	
SJG	comp-Z,6um,21.0s				LR	LR	
FETA	Feichten	53.53	22	iP	P	00 39 48.8	-1.5
BUM	Brajilov Judva	53.53	31	eP	P	00 39 50.8	+0.5
PTL	Penteli	53.55	38	P	P	00 39 50.5	+0.1
PTL	Penteli	53.55	38	P	P	00 39 50.5	+0.1
SANT	Santorini	53.57	41	eP	P	00 39 48.7	-2.0
SANT	comp-Z,98nm,1.1s				LR	LR	
DRME	Dracevica, Mon	53.60	32	iP	P	00 39 51.9	+1.2
TRI	Trieste	53.67	25	eP	P	00 39 51.6	+0.5
TRI	comp-Z,364nm,1.9s				pmx	pmx	
TRI	comp-Z,6um,18.0s				MLR	MLR	
TRI	Trieste	53.67	25	eP	P	00 39 51.6	+0.5
TRI	comp-Z,364nm,1.9s				LR	LR	
TRM	Trieste	53.67	25	eP	P	00 39 51.6	+0.5
TRM	comp-Z,6um,18.0s				LR	LR	
CEME	Cevo	53.72	31	iP	P	00 39 52.2	+0.6
OHR	Ohrid	53.73	34	iP	P	00 39 53.9	+2.2
KZN	Kozani	53.74	35	P	P	00 39 52.9	+0.2
KZN	Kozani	53.74	35	P	P	00 39 52.0	+0.2
KZN	Kozani	53.74	35	P	P	00 39 52.0	+0.2
BRY	Bratogost	53.78	31	iP	P	00 39 52.3	+0.2
KAVA	Black Forest	53.79	20	eP	P	00 39 51.7	-0.3
BFO	Black Forest	53.79	20	eP	P	00 39 51.9	-0.2
BFO	comp-Z,76nm,1.2s				LR	LR	
PDG	Podgorica	53.81	32	iP	P	00 39 53.4	+1.2
PDG	Podgorica	53.81	32	iP	P	00 39 54.2	+2.0
TTG	Podgorica	53.81	32	iP	P	00 39 54.2	+2.0
TTG	Podgorica	53.81	32	iP	P	00 39 53.6	+1.4
TTG	Podgorica	53.81	32	iP	P	00 39 54.2	+2.0
EREA	Ererita	53.82	38	P	P	00 39 52.4	+0.2
FNA	Florina	53.83	34	P	P	00 39 51.8	-0.7
FNA	Florina	53.83	34	P	P	00 39 51.8	-0.7
FNA	Florina	53.83	34	P	P	00 39 51.8	-0.7
LPAZ	La Paz	53.85	251	P	P	00 39 52.0	-1.6
LPAZ	comp-Z,25nm,1.0s,baz=58,slow=7.1,SNR=27				PcP	PcP	
LPAZ	comp-Z,16nm,0.9s,baz=95,slow=6.4,SNR=2.2				LR	LR	
LPAZ	comp-Z,8um,20.6s,baz=86,slow=35				LR	LR	
LPAZ	La Paz	53.85	251	eP	P	00 39 52.1	-1.6
LPAZ	comp-Z,91nm,1.3s				ePcP	PcP	
NKME	Niksic	53.89	31	eP	P	00 39 53.7	+0.8
CELP	Cerrillos	53.89	294	eP	P	00 39 53.5	+0.2
RETA	Reutte	53.93	22	iP	P	00 39 51.8	-1.3
MOTA	Mosalm	53.94	22	iP	P	00 39 51.5	-1.8
MOTA	comp-Z,34nm,1.0s,SNR=13				P	P	
MOTA	comp-Z,36nm,0.9s,SNR=32				P	P	
NKY	Niksic	53.95	31	eP	P	00 39 54.0	+0.7
BIA	Bitola	53.96	34	iP	P	00 39 53.9	+0.5
XOR	Xorichti	53.96	37	P	P	00 39 53.3	-0.1
XOR	Xorichti	53.96	37	P	P	00 39 53.3	-0.1
ABTA	Abfalterbach	53.99	24	iP	P	00 39 53.4	-0.2
ABTA	comp-Z,58nm,1.5s,SNR=18				P	P	
LIT	Litokhoron	54.02	36	P	P	00 39 51.2	-2.6
LIT	Litokhoron	54.02	36	P	P	00 39 51.2	-2.6
LIT	Litokhoron	54.02	36	P	P	00 39 51.2	-2.6
APE	Apeiranthos	54.02	40	eP	P	00 39 55.2	+1.3
APE	comp-Z,54nm,1.2s				pmx	pmx	
APE	comp-Z,2um,19.0s				MLR	MLR	
CADS	Cadrg	54.08	25	iP	P	00 39 54.0	-0.1
WTTA	Wattenberg	54.08	23	iP	P	00 39 53.3	-1.0
WTTA	comp-Z,70nm,1.6s				P	P	
WATA	Walderaim	54.11	22	iP	P	00 39 52.7	-1.8
WATA	comp-Z,38nm,1.1s,SNR=18				P	P	
KRUS	Krusevo	54.15	34	iP	P	00 39 55.1	+0.2
UPM	Unac-Piva	54.18	31	iP	P	00 39 55.7	+0.6
LANF	Langenberg	54.19	19	eP	P	00 39 54.5	-0.4
DOU	Dourbes	54.23	16	P	P	00 39 55.4	+0.3
KOME	Kolasin	54.24	31	iP	P	00 39 56.5	+1.0
KARP	Karpathos	54.24	43	eP	P	00 39 55.8	+0.3
KARP	comp-Z,60nm,1.1s				LR	LR	
KARP	comp-Z,1um,22.0s				LR	LR	
LJU	Ljubljana	54.26	25	eP	S	00 39 55.6	+0.1
LJU	Ljubljana	54.26	25	eP	S	00 47 36.5	+3.2
LJU	Ljubljana	54.26	25	eP	S	00 47 43.7	
WLF	Walferdange	54.28	17	P	P	00 39 57.0	+1.5

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WLF	Walferdange	54.28	17	eP	P	00 39 55.0	-0.5
WLF	Walferdange	54.28	17	eP	P	00 40 53.0	
WLF	Walferdange	54.28	17	eP	P	00 41 44.2	
WLF	comp-Z,155nm,1.8s				pmx	pmx	
WLF	Walferdange	54.28	17	eP	P	00 39 55.0	-0.5
WLF	Walferdange	54.28	17	eP	P	00 40 53.0	-6.7
WLF	Walferdange	54.28	17	eP	P	00 41 52.0	-5.5
WLF	comp-Z,4um,19.0s				ePcP	PcP	
WLF	comp-Z,4um,19.0s				eP	P	
PVY	Petra	54.30	32	eP	P	00 39 56.7	+0.8
MYKA	Terra Mystica	54.36	24	iP	P	00 39 56.9	+0.7
MYKA	comp-Z,48nm,1.3s,SNR=17				P	P	
MPR	Mayaguez	54.44	294	eP	P	00 39 58.8	+1.5
MPR	comp-Z,93nm,1.1s				LR	LR	
IVA	Berane	54.45	32	iP	P	00 39 57.8	+0.8
STU	Stuttgart	54.46	20	eP	P	00 39 56.6	-0.3
STU	comp-Z,33nm,0.9s				pmx	pmx	
STU	comp-Z,6um,18.0s				MLR	MLR	
STU	Stuttgart	54.46	20	eP	P	00 39 56.6	-0.3
STU	comp-Z,33nm,0.9s				LR	LR	
BLY	Banja Luka	54.47	28	eP	P	00 39 56.7	-0.3
BLY	comp-Z,46nm,1.2s				LR	LR	
BLY	comp-Z,17um,20.0s				LR	LR	
AGP	Aguadilla	54.50	294	PFAKE	LR	00 40 10.0	+12
AGP	comp-Z,6um,21.0s				LR	LR	
PLE	Plavija	54.52	31	eP	P	00 39 57.8	+0.3
GRG	Griva	54.53	35	P	P	00 39 59.2	+1.7
GRG	Griva	54.53	35	P	P	00 39 59.2	+1.7
GRG	Griva	54.53	35	P	P	00 39 59.2	+1.7
KBA	Koelnbreinsper	54.60	24	iP	P	00 39 57.5	-0.6
KBA	comp-Z,30nm,1.0s				P	P	
OBKA	Obil	54.64	25	iP	P	00	

VYHS		eL	L	01 06 00.5			
PSZ	Piszkesteto	58.08 27	P	00 40 23.1 +0.3			
PSZ	Piszkesteto	58.08 27	eP	00 40 22.8 0.0			
PSZ	comp=Z,93nm,1.3s		pmax				
PSZ	comp=Z,5um,20.0s		MLR				
PSZ	Piszkesteto	58.08 27	P	00 40 24.4 +1.6			
PSZ	Piszkesteto	58.08 27	eP	00 40 22.8 0.0			
PSZ	comp=Z,93nm,1.3s		LR				
BARC	Barichara	58.14 279	eP	00 40 23.4 -0.6			
GIRC	Giron, Santand	58.20 279	eP	00 40 24.0 -0.4			
LOT	Lotru	58.25 32	l/P	00 40 25.0 +0.9			
CSS	Mathiatis	58.29 47	eP	00 40 25.7 +1.2			
CSS	comp=Z,6.4nm,1.0s		LR				
HUMR	Humele	58.29 33	l/P	00 40 24.4 +0.1			
KRLC	Kraliky	58.36 24	eP	00 40 24.3 -0.4			
KRLC	Kraliky	58.36 24	eP	00 40 24.3 -0.4			
DPC	Dobruska-Polom	58.40 23	eP	00 40 23.9 -1.1			
DPC			eP	00 40 29.6 +1.2			
DPC			eS	00 48 29.4 +1.3			
DPC			eS	01 07 10.0			
DPC	Dobruska-Polom	58.40 23	eP	00 40 23.9 -1.1			
DPC			eS	00 40 29.6			
DPC			eS	00 48 29.4 +1.3			
UPC	Upice	58.40 23	eP	00 40 24.0 -0.9			
UPC			ex	00 48 35.5			
UPC			AMS	01 05 20.0			
UPC	Upice	58.40 23	eP	00 40 24.0 -0.9			
UPC			eS	00 48 35.5 +7.5			
UPC			MLR				
VILC	Vilavencio	58.42 276	eP	00 40 24.7 -1.3			
SDDR	Presa de Saban	58.44 293	eP	00 40 27.1 +1.2			
SDDR	comp=Z,143nm,1.1s		LR				
MORC	Moravsky Berou	58.45 25	l/P	00 40 25.4 +0.1			
MORC	Moravsky Berou	58.45 25	eP	00 40 25.0 -0.3			
MORC	comp=Z,230nm,1.3s		pmax				
MORC	comp=Z,11um,18.0s		MLR				
MORC	Moravsky Berou	58.45 25	eP	00 40 25.0 -0.3			
MORC	comp=Z,230nm,1.3s		LR				
BOLV	Bolvadin	58.50 42	eP	00 40 27.0 +1.0			
BOLV	comp=Z,130nm,1.7s		LR				
CHIC	Chingaza	58.50 276	eP	00 40 25.8 -1.0			
DRGR	Drgr	58.62 30	l/P	00 40 26.5 -0.1			
SGRR	Singureni	58.65 34	l/P	00 40 24.7 -2.0			
ARR	Arges	58.65 32	l/P	00 40 27.3 +0.4			
BRRC	Baranca, Sant	58.71 279	eP	00 40 26.6 -1.2			
OKC	Ostrava-Krasne	58.82 32	eS	00 48 26.2 +3.7			
OKC			AMS	01 06 20.0			
OKC	comp=Z,3um,16.1s		AMS				
OKC	Ostrava-Krasne	58.74 25	eP	00 40 26.3 -1.0			
OKC			eS	00 48 36.2 +3.7			
KECS	Kecevo	58.76 27	eP	00 40 28.3 +0.8			
KECS	comp=Z,3um,16.1s		pmax				
KECS	comp=Z,14nm,1.0s		pmax				
KECS	Kecevo	58.76 27	eP	00 40 28.3 +0.8			
KSP	Ksiaz	58.77 23	eP	00 42 36.8 -0.7			
KSP	Ksiaz	58.77 23	eP	00 40 28.5 +1.0			
KSP	Ksiaz	58.77 23	eP	00 40 28.5 +1.0			
CODC	Agust+n Codaz	58.79 282	eP	00 40 20.6 -7.9			
LANS	Liptovska Anna	58.79 26	eP	00 40 31.2 +3.5			
LAIS	Liptovska Anna	58.79 26	eP	00 40 31.2 +3.5			
VOIR	Voir	58.82 32	l/P	00 40 28.4 -0.3			
GRTK	Grand Turk	58.95 296	eP	00 40 31.8 +2.6			
GRTK	comp=Z,670nm,1.6s		LR				
MMAI	Mount Meron Ar	58.97 50	P	00 40 29.8 +0.5			
CJR	Cluj-Napoca	59.01 30	l/P	00 40 29.3 0.0			
ROSC	Ei Rosal	59.10 277	eP	00 40 31.7 +0.7			
ROSC	comp=Z,61nm,0.7s,baz=183,slow=6.0,SNR=20		LR				
ROSC	Ei Rosal	59.10 277	eP	00 40 29.9 -1.1			
ROSC	Ei Rosal	59.10 277	eP	00 40 31.5 +0.5			
LCO	Las Campanas	59.18 237	eP	00 40 29.9 -1.3			
LCO	comp=Z,70nm,1.1s		LR				
NIE	Niedzica	59.36 26	eP	00 40 31.9 +0.2			
NIE	Niedzica	59.36 26	eP	00 40 31.9 +0.2			
ATD	Arta Tunnel	59.40 76	eP	00 40 31.7 -0.9			
ATD	comp=Z,78nm,1.7s		LR				
MLR	Muntele Rosu	59.44 33	l/P	00 40 31.8 -0.6			
MLR	Muntele Rosu	59.44 33	eP	00 40 32.1 -0.3			
MLR	comp=Z,165nm,1.4s		pmax				
MLR	comp=Z,8um,20.0s		MLR				
MLR	Muntele Rosu	59.44 33	eP	00 40 32.1 -0.3			
MLR	comp=Z,165nm,1.4s		LR				
DOPR	Dopca	59.45 32	l/P	00 40 32.6 +0.3			
TRPA	Tarpa	59.47 29	eP	00 40 33.7 +1.3			
ISR	Istria	59.53 33	l/P	00 40 31.6 -1.3			
LGNH	L'ogne	59.53 292	eP	00 40 33.8 +0.4			
PRAC	Prado	59.58 275	eP	00 40 33.9 0.0			
PRAC	Prado	59.58 275	eP	00 40 32.9 -1.0			
PRAC	comp=Z,137nm,1.0s		LR				
ICOR	Ion Corvin	59.61 35	l/P	00 40 33.1 -0.3			
EMR	Baia Mare	59.62 30	l/P	00 40 34.5 +0.9			
PGOR	Pogonele	59.64 34	l/P	00 40 34.2 +0.6			
ARCR	ARCALIA	59.65 30	l/P	00 40 31.6 -2.1			
UZH	Uzhgorod	59.70 28	eP	00 40 35.1 +1.1			
UZH			eS	00 40 39.9			
UZH			eS	00 44 10.3			
UZH			eS	00 48 43.1 -1.9			
UZH			eS	00 49 10.7			
UZH	comp=N,3um,21.0s		MLR				
UZH	comp=E,1um,21.0s		MLR				
NORC	Norcasia	59.71 277	eP	00 40 32.6 -2.2			
OJC	Ojcow	59.73 25	eP	00 40 34.0 -0.2			
OJC	Ojcow	59.73 25	eP	00 40 34.0 -0.2			
OJC	Ojcow	59.73 25	eP	00 40 33.8 -0.4			
ASF	Jabal al Asfar	59.77 51	P	00 40 35.8 +0.9			
STHS	Stebnicka Huta	59.78 27	eP	00 40 35.6 +1.1			
STHS	comp=Z,13nm,1.0s		pmax				
STHS	Stebnicka Huta	59.78 27	eP	00 40 35.6 +1.1			
GRER	Grer	59.93 33	l/P	00 40 37.3 +1.7			
PLOR	Plostina	60.05 33	l/P	00 40 35.7 -0.8			
BETC	Betania	60.07 274	eP	00 40 35.9 -1.4			
VRI	Vrincioaia	60.10 33	l/P	00 40 35.0 -1.8			
TIRR	Tirgusor	60.17 35	PFAKE	00 40 50.0 +1.3			
GUYC	Guyana, Colomb	60.20 277	eP	00 40 37.2 -1.4			
ODBI	Odobesti	60.21 33	l/P	00 40 43.2 +2.0			
PETR	Petresti	60.28 33	l/P	00 40 35.8 -2.2			
BR231	Keskin MP Arra	60.29 41	eP	00 40 38.8 +0.4			
ANTO	Ankara	60.32 41	eP	00 40 39.2 +0.7			
ANTO	comp=Z,111nm,1.5s		pmax				

ANTO	comp=Z,4um,21.0s		MLR				
ANTO	Ankara	60.32 41	eP	00 40 39.2 +0.7			
ANTO	comp=Z,111nm,1.5s		LR				
ANTO	Ankara	60.32 41	pP	00 40 41.1 +2.6			
HEL	SNR=8.0	60.42 278	eP	00 40 35.9 -4.1			
HEL	Santa Helena	60.42 278	eP	00 40 39.1 -0.9			
HEL	Santa Helena	60.42 278	eP	00 40 39.1 -0.9			
HEL	comp=Z,157nm,1.6s		MLR				
HEL	comp=Z,5um,20.0s		LR				
BUR04	Bucovina Ar. S	60.44 30	eP	00 40 39.5 +0.3			
BUR04			eP	00 42 47.2 -5.3			
BURAR	Bucovina Ar. S	60.44 30	l/P	00 40 39.4 +0.2			
CFR	Carcaliu	60.45 34	l/P	00 40 38.7 -0.4			
BUR08	Bucovina Ar. S	60.45 30	eP	00 40 40.0 +0.7			
PEL	Peledue	60.46 232	eP	00 40 39.0 -0.6			
PEL	comp=Z,225nm,1.4s		pmax				
PEL	comp=Z,8um,22.0s		MLR				
PEL	Peledue	60.46 232	eP	00 40 39.0 -0.6			
PEL	comp=Z,225nm,1.4s		LR				
TESR	Tescani	60.47 32	l/P	00 40 38.8 -0.5			
KWP	Kalwaria Pacla	60.60 27	eP	00 40 40.2 +0.1			
KWP	Kalwaria Pacla	60.60 27	eP	00 40 40.3 +0.1			
ROCI	El Roble	60.67 233	eP	00 40 40.0 -1.2			
ROCI	comp=Z,67nm,1.0s		LR				
RGN	Rugen	60.73 19	PFAKE	00 40 50.0 +9.2			
RGN			LR				
PRAR	RASCA	60.79 31	l/P	00 40 40.4 -1.1			
BR13	BR13	60.81 42	eP	00 40 42.4 +0.5			
BRTR	Keskin Array B	60.81 42	eP	00 40 42.0 +0.1			
BRTR	comp=Z,12nm,0.8s,baz=230,slow=5.2,SNR=38		LR				
MOTC	Montercia, Curd	60.82 281	eP	00 40 41.9 -0.4			
GKP	Gorka Klasztor	61.05 22	eP	00 40 43.2 +0.2			
GKP	Gorka Klasztor	61.05 22	eP	00 40 43.2 +0.2			
PLMC	San Jos' del	61.06 276	eP	00 40 43.9 -0.2			
MUD	Monsted U'grnd	61.15 15	P	00 40 43.4 -0.3			
MUD	comp=Z,58nm,1.2s		pmax				
MUD	Monsted U'grnd	61.15 15	eP	00 40 43.4 -0.3			
MUD	comp=Z,88nm,1.2s		pmax				
POPC	Popayan, Colom	61.30 274	eP	00 40 42.9 -3.0			
LEOM	Leova	61.30 33	l/P	00 40 42.1 -2.8			
L'vov	L'vov	61.35 28	eP	00 40 49.6 +4.4			
L'vov			PPP	00 44 35.0			
L'vov			eS	00 49 08.1 +2.0			
L'vov			eS	00 49 17.6 -2.0			
L'vov	comp=E,4um,18.0s						



O45A	baz=103 Potomac	77.49 312	P	P	00 42 25.9 +0.6	FVM	French Village	79.09 309	eP	P	00 42 34.1 -0.1	P40A	baz=99 Paris	80.61 310	P	P	00 42 43.1 +0.7
R45A	baz=103 Skylar, Fairfi	77.49 310	P	P	00 42 26.1 +0.8	FVM	comp=Z,30nm,1.0s		ePP	PP	00 45 33.2 -0.3	V40A	baz=100 Whits Springs	80.62 307	P	P	00 42 43.1 +0.5
V45A	baz=102 Humboldt	77.51 307	P	P	00 42 25.7 +0.2	G42A	comp=Z,5jum,20.0s	79.12 317	P	P	00 42 34.4 +0.1	S40A	baz=99 Lebanon	80.64 308	P	P	00 42 41.8 -0.8
Q45A	baz=101 Warren Harvey,	77.52 310	P	P	00 42 26.6 +1.1	I42A	baz=103 Drager Farm,	79.15 315	P	P	00 42 34.0 -0.4	AKTO	baz=99,SNR=26 Aktuyubinsk	80.72 38	iP	pmax	00 42 41.3 -1.5
W45A	baz=102 Hickory Valley	77.58 306	P	P	00 42 25.5 -0.4	J42A	baz=100 Colubus	79.18 315	P	P	00 42 34.9 +0.4	Z40A	comp=Z,49nm,1.9s Long Farm, Mag	80.72 304	P	P	00 42 43.1 0.0
S45A	baz=101 Carrier Mills	77.59 309	P	P	00 42 26.1 +0.2	K42A	baz=102 Prairie Point,	79.22 314	P	P	00 42 35.2 +0.3	U40A	baz=98 Yellville	80.73 307	P	P	00 42 42.6 -0.5
CCIG	baz=102 Comitan	77.61 287	eP	P	00 42 27.7 +1.1	O42A	baz=101 Bat	79.24 311	P	P	00 42 33.2 -2.7	W40A	baz=98 Ferguson Farm,	80.73 306	P	P	00 42 42.6 -0.5
245A	comp=Z,54nm,0.8s Little AP, Sta	77.61 303	P	P	00 42 28.1 +1.9	M42A	baz=102 Sheffield	79.25 313	P	P	00 42 32.7 -1.3	W40A	comp=Z,36nm,0.8s Ferguson Farm,	80.73 306	eP	LR	00 42 44.3 +1.2
X45A	baz=100 UM Field Stati	77.62 306	P	P	00 42 26.0 -0.2	L42A	baz=102 Oliver, Polo	79.30 313	P	P	00 42 35.3 0.0	W40A	comp=Z,6jum,21.0s Okolona	80.73 305	P	P	00 42 42.6 -0.5
Y45A	baz=100 Yeager Farm, C	77.64 305	P	P	00 42 25.5 -0.7	P42A	baz=101 Winchester	79.32 311	P	P	00 42 35.4 0.0	140A	baz=98 Cam and Jess,	80.78 303	P	P	00 42 43.4 0.0
OXF	comp=Z,62nm,1.1s Oxford	77.64 306	eP	pmax	00 42 27.4 +1.1	N42A	baz=101 Yates City	79.33 312	P	P	00 42 35.4 0.0	E39A	baz=102 Mellen	80.82 317	P	P	00 42 43.5 +0.1
OXF	comp=Z,62nm,1.1s Oxford	77.64 306	eP	pmax	00 42 27.4 +1.1	S42A	baz=100 Caledonia	79.33 309	P	P	00 42 34.9 -0.7	240A	baz=102 Hunter Patters	80.86 303	P	P	00 42 44.4 +0.5
OXF	comp=Z,6jum,22.0s Oxford	77.64 306	eP	MLR	00 42 27.4 +1.1	Q42A	baz=100 Golden Eagle	79.34 310	P	P	00 42 35.8 +0.2	340A	baz=98 Bronson	80.99 302	P	P	00 42 44.5 +0.5
Z45A	comp=Z,6jum,22.0s Winona	77.67 304	P	P	00 42 27.3 +0.9	142A	baz=101 Monroe	79.41 303	P	P	00 42 35.0 -1.1	F39A	baz=98 Loretta	80.97 317	P	P	00 42 44.1 -0.2
145A	baz=100 Houston Renfro	77.74 304	P	P	00 42 26.6 -0.2	R42A	baz=99 Luebbering	79.43 309	P	P	00 42 34.6 -1.5	H39A	baz=102 Augusta	80.98 316	P	P	00 42 44.4 +0.1
E44A	baz=100 Grand Marais A	77.77 318	P	P	00 42 25.6 -1.1	T42A	baz=100 Van Buren	79.44 308	P	P	00 42 35.7 -0.4	I39A	baz=101 Houston	81.00 315	P	P	00 42 44.1 -0.3
HALT	baz=106 Halls	77.85 307	eP	P	00 42 26.5 -0.9	U42A	baz=100 Reviden	79.44 307	P	P	00 42 35.3 -0.8	G39A	baz=101 Holcombe	81.02 316	P	P	00 42 44.0 -0.5
HALT	comp=Z,44nm,0.7s Waltonville	77.85 307	eP	LR	00 42 26.5 -0.9	X42A	baz=102,SNR=11 Stuttgart	79.46 305	P	P	00 42 36.3 +0.1	L39A	baz=101 Vinton	81.02 313	P	P	00 42 43.7 -0.8
N44A	comp=Z,4jum,22.0s Piper City	77.91 312	P	P	00 42 27.1 -0.5	V42A	baz=100 Cord	79.47 307	P	P	00 42 36.1 -0.2	J39A	baz=100 Derby Farms, D	81.03 314	P	P	00 42 44.6 0.0
P44A	baz=103 Sand Creek, Wi	77.99 311	P	P	00 42 27.6 -0.5	CCAR	comp=Z,78nm,1.1s Cane Creek	79.47 305	eP	LR	00 42 34.8 -1.6	M39A	baz=101 Webster	81.04 312	P	P	00 42 44.3 -0.3
O44A	baz=102 Mansfield	78.02 311	P	P	00 42 28.8 +0.6	Y42A	comp=Z,5jum,20.0s Garnett, Star	79.47 305	P	P	00 42 35.9 -0.5	K39A	baz=100 Delwein	81.05 314	P	P	00 42 44.4 -0.3
GEYT	comp=Z,3.0nm,0.7s,slow=3.2,SNR=7.3 Alibeck	78.06 51	P	P	00 42 28.8 +0.2	W42A	baz=99 Bald Knob	79.49 306	P	P	00 42 34.9 -1.5	MIAR	comp=Z,21nm,1.0s Mount Ida	81.05 305	P	P	00 42 44.3 -0.6
GEYT	comp=Z,2jum,20.0s,slow=3.2,SNR=7.3 Waltonville	78.10 309	P	LR	01 19 34.7	242A	baz=100 Grayson	79.51 303	P	P	00 42 36.9 +0.3	MIAR	comp=Z,21nm,1.0s Mount Ida	81.05 305	eP	pmax	00 42 45.3 +0.4
R44A	baz=102 Waltonville	78.10 309	P	P	00 42 28.7 0.0	Z42A	baz=99 Notrel Spur, H	79.52 304	P	P	00 42 35.6 -1.1	MIAR	comp=Z,2.4jum,20.0s Mount Ida	81.05 305	eP	MLR	00 42 45.3 +0.4
S44A	baz=101 Carbondale	78.12 309	P	P	00 42 28.8 -0.1	342A	baz=99 Flagon Creek P	79.56 302	P	P	00 42 37.7 +0.8	MIAR	comp=Z,2.2nm,1.0s Mount Ida	81.11 311	P	P	00 42 43.3 -1.7
VBMS	baz=100 Vicksburg	78.17 303	P	P	00 42 30.3 +1.1	G41A	baz=98 Antigo	79.63 316	P	P	00 42 37.4 +0.4	O39A	baz=99 Kirksville	81.14 310	P	P	00 42 45.7 +0.4
VBMS	baz=100 Vicksburg	78.17 303	eP	P	00 42 30.1 +0.9	D41A	baz=103 Chassel	79.64 318	P	P	00 42 36.6 -0.3	P39B	baz=99 Salisbury	81.14 310	P	P	00 42 45.7 +0.4
VBMS	comp=Z,77nm,1.3s Vicksburg	78.17 303	eP	PP	00 45 29.9 +4.0	F41A	baz=104 Three Lakes	79.70 317	P	P	00 42 36.9 -0.4	R39A	baz=99,SNR=14 Chumby, Stover	81.17 309	P	P	00 42 45.4 -0.1
Q44A	comp=Z,1jum,20.0s Meyer Farm, Va	78.18 310	P	P	00 42 30.5 +1.3	CCM	comp=Z,49nm,1.1s Cathedral Cave	79.74 309	eP	pmax	00 45 38.5	N39A	baz=100 Derby Farms, D	81.18 312	P	P	00 42 45.9 +0.5
MET	baz=102 Memphis-Engin	78.18 306	PFAKE	LR	00 42 40.0 +1.1	CCM	comp=Z,49nm,1.1s Cathedral Cave	79.74 309	eP	MLR	00 42 37.3 -0.4	U39A	baz=98 Green Forest	81.23 307	P	P	00 42 45.9 0.0
Y44A	comp=Z,6jum,21.0s Strider, Charl	78.20 305	P	P	00 42 28.4 -1.0	CCM	comp=Z,49nm,1.1s Cathedral Cave	79.74 309	eP	PP	00 45 38.5 -0.4	Q39A	baz=99 Willow Grove F	81.24 310	P	P	00 42 45.7 -0.1
DAG	baz=100 Danmarks Havn	78.21 359	iP	P	00 42 29.6 +1.1	CCM	comp=Z,4jum,20.0s Kenton	79.77 318	P	P	00 42 37.6 -0.1	T39A	baz=99 Clever	81.24 308	P	P	00 42 45.9 0.0
DAG	comp=Z,29nm,0.9s Danmarks Havn	78.21 359	iP	pmax	00 42 29.6 +1.1	J41A	baz=103 Loganville	79.82 314	P	P	00 42 38.2 0.0	V39A	baz=99 Pettigrew	81.28 306	P	P	00 42 47.0 +0.8
344A	comp=Z,29nm,0.9s Westbrook Farm	78.22 302	P	P	00 42 29.8 +0.3	O41A	baz=102 Passleys Farm,	79.83 311	P	P	00 42 38.7 +0.5	S39A	baz=99 Bolivar	81.30 308	P	P	00 42 45.6 -0.6
PVMO	baz=99 Portageville	78.23 308	PFAKE	LR	00 42 40.0 +1.1	H41A	baz=101 Junction City	79.83 316	P	P	00 42 37.1 -1.0	W39A	baz=98 Magazine	81.31 306	P	P	00 42 46.0 -0.3
U44A	comp=Z,3jum,22.0s Portageville	78.23 308	P	P	00 42 27.5 -2.0	I41A	baz=102 Arkdale	79.86 315	P	P	00 42 38.4 +0.1	Z39A	baz=98 Irene McRaven,	81.37 304	P	P	00 42 45.2 -1.4
X44A	baz=101 Crenshaw	78.24 306	P	P	00 42 29.7 +0.1	K41A	baz=102 Shullsburg	79.88 314	P	P	00 42 39.3 +0.8	Y39A	baz=98 Lockesburg	81.39 304	P	P	00 42 46.4 -0.3
T44A	baz=101 Benton	78.27 308	P	P	00 42 29.9 -1.7	R41A	baz=100 Rosebud	79.88 309	P	P	00 42 38.7 +0.2	SP2A	baz=99 Spitsbergen Ar	81.41 6	eP	P	00 42 45.1 -0.8
Z44A	baz=101 Pea Ridge, Bel	78.27 304	P	P	00 42 29.8 +0.1	P41A	baz=100 Barry, Barry	79.88 311	P	P	00 42 37.0 -1.5	SPB1	baz=99 Spitsbergen Ar	81.41 6	eP	P	00 42 45.0 -0.9
244A	baz=100 Avery, Jackson	78.28 303	P	P	00 42 30.7 +0.8	Q41A	baz=100,SNR=5.1 Truxton	79.88 310	P	P	00 42 37.9 -0.6	SPB5	baz=99 Spitsbergen Ar	81.41 6	eP	P	00 42 45.7 -0.2
PARMO	baz=99 Parma	78.32 308	PFAKE	LR	00 42 40.0 +1.0	JFWS	baz=100,SNR=5.9 Jewell Farm	79.90 314	eP	pmax	00 42 36.9 -1.6	339A	baz=97 Huntington	81.44 302	P	P	00 42 46.9 -0.1
F43A	comp=Z,3jum,21.0s Flat Rock, Esc	78.40 317	P	P	00 42 30.5 +0.2	JFWS	comp=Z,23nm,0.8s Jewell Farm	79.90 314	eP	MLR	00 42 36.9 -1.6	239A	baz=97 Bunkhouse Ranc	81.47 303	P	P	00 42 48.2 +1.0
E43A	baz=104 Lone Tree Farm	78.42 318	P	P	00 42 29.7 -0.6	JFWS	comp=Z,3jum,20.0s Jewell Farm	79.90 314	eP	MLR	00 42 36.9 -1.6	139A	baz=97 Ridgeland	81.47 316	P	P	00 42 46.1 -0.8
K43A	baz=105 Burlington	78.48 314	P	P	00 42 31.4 +0.6	JFWS	comp=Z,23nm,0.8s Jewell Farm	79.90 314	eP	LR	00 42 36.9 -1.6	X39A	baz=101 Fountain Ranch	81.48 305	P	P	00 42 47.2 0.0
H43A	baz=103 Windswept, Lux	78.49 316	P	P	00 42 31.7 +1.0	L41A	comp=Z,3jum,20.0s Preston	79.92 313	P	P	00 42 39.4 +0.8	E38A	baz=99,SNR=17 The Farm, Brul	81.54 317	P	P	00 42 46.8 -0.5
I43A	baz=104 Langenfeld Bro	78.61 315	P	P	00 42 32.9 +1.5	T41A	baz=101 Mountain View	79.97 308	P	P	00 42 39.1 +0.1	439A	baz=101 Center Grove,	81.56 301	P	P	00 42 47.0 -0.7
G43A	baz=103 Wallace	78.61 317	P	P	00 42 31.1 -0.4	U41A	baz=100 Viola	79.98 307	P	P	00 42 39.7 +0.6	C38A	baz=102 Sawbill Land.	81.58 319	P	P	00 42 49.4 +2.0
M43A	baz=104 Waltham Townsh	78.66 313	P	P	00 42 32.6 +0.9	S41A	baz=99 Jilco Farms,	80.05 308	P	P	00 42 40.9 +1.5	J88A	baz=100 Wedel Dairy, R	81.58 314	P	P	00 42 48.6 +1.1
J43A	baz=102 Natural Harnes	78.69 315	P	P	00 42 31.2 -0.7	W41B	baz=99 Gary Mavity, V	80.06 306	P	P	00 42 40.7 +1.2	HHAR	baz=100 Hobbs	81.58 307	eP	LR	00 42 47.4 -0.3
Q43A	baz=103 New Douglas	78.71 310	P	P	00 42 30.1 -2.0	UALR	comp=Z,18nm,0.9s University of	80.07 306	eP	LR	00 42 37.8 -1.8	HHAR	comp=Z,4jum,21.0s Nacogdoches	81.58 302	P	P	00 42 48.8 +1.0
P43A	baz=102 Skaggs, Pawnee	78.71 311	P	P	00 42 31.5 -0.6	UALR	comp=Z,51nm,1.3s University of	80.07 306	eP	LR	00 42 37.8 -1.8	NATX	comp=Z,94nm,1.1s Nacogdoches	81.58 302	eP	PP	00 42 47.0 -0.8
N43A	baz=102 Stutzman Famil	78.71 312	P	P	00 42 32.4 +0.3	V41A	comp=Z,6jum,21.0s Mountainview	80.08 307	P	P	00 42 40.5 +0.9	NATX	comp=Z,2jum,20.0s Nacogdoches	81.58 302	eP	PP	00 45 52.9 -1.4
HDIL	baz=102 Hopedale	78.72 312	P	P	00 42 32.7 +0.6	WHAR	baz=99 Wray Hollow	80.11 306	eP	LR	00 42 39.6 -0.2	I38A	comp=Z,2jum,20.0s Scanlan Farm,	81.60 315	P	P	00 42 48.7 +1.1
HDIL	comp=Z,32nm,0.6s Hopedale</																



29d Oh

Table with columns: ID, Name, baz, SNR, P, M, L, R, and numerical values. Includes entries like 238A Jacksonville, 138A Matatal Enter, 38A Whitesboro, etc.

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Table with columns: ID, Name, baz, SNR, P, M, L, R, and numerical values. Includes entries like C35A Jirik Farms, M, 336A Riesel, TULEG Thu Bonnet, etc.

1550

Table with columns: ID, Name, baz, SNR, P, M, L, R, and numerical values. Includes entries like L33A Hoskins, O33A Hebron, ULM Lac du Bonnet, etc.



29d Oh

TPNV	comp=Z,3um,21.0s Topopah Spring baz=85	99.50 307	P	Pdif	00 44 13.9 +0.8
TPNV	comp=Z,3um,21.0s Topopah Spring	99.50 307	eP	Pdif	00 44 16.2 +3.1 00 48 17.0
TPNV	comp=Z,7.0nm,1.3s		e	pmax	
TPNV	comp=Z,2um,20.0s		MLR	MLR	
TPNV	comp=Z,2um,20.0s Topopah Spring comp=Z,6.9nm,1.3s	99.50 307	eP	Pdif	00 44 16.2 +3.1
TPNV	comp=Z,2um,20.0s		ePP	PP	00 48 17.0 +0.3
DGZ	comp=Z,2um,20.0s Jazzator, Alta	99.51 40	eP	Pdif	00 44 15.5 +2.7
DGZ	comp=Z,2um,20.0s		e	pmax	
BELC	comp=Z,3.0nm,1.8s Belle Mtn. Jos baz=85	99.55 304	P	Pdif	00 44 13.3 -0.1
C09A	Chrisman Ranch	99.70 318	PFAKE	LR	00 44 30.0 +16
C09A	comp=Z,2um,21.0s Hector,Ludlow baz=85	99.76 305	P	Pdif	00 44 15.3 +1.1
E09A	Wood Farm, Sta	99.80 317	PFAKE	LR	00 44 30.0 +16
E09A	comp=Z,3um,21.0s Battle Mountai	99.90 311	eP	Pdif	00 44 18.0 +3.2
BMN	comp=Z,7.0nm,1.1s		e	pmax	
BMN	comp=Z,2um,20.0s		MLR	MLR	
BMN	comp=Z,4um,20.0s Battle Mountai comp=Z,7.4nm,1.1s	99.90 311	ePdif	Pdif	00 44 18.0 +3.2
BMN	comp=Z,4um,20.0s		LR	LR	
XPFO	comp=Z,4um,20.0s Pleon Flat	99.97 304	PFAKE	LR	00 44 30.0 +15
PFO	comp=Z,3um,20.0s Pinyon Flats O	99.97 304	PFAKE	LR	00 44 30.0 +15
PFO	comp=Z,3um,20.0s		LR	LR	
FURC	comp=Z,3um,20.0s Furnace Creek, baz=84	100.04 307	P	Pdif	00 44 16.3 +1.1
GSC	Goldstone, Bar baz=85	100.10 305	P	Pdif	00 44 16.6 +0.9
GSC	Goldstone, Bar	100.10 305	PFAKE	LR	00 44 30.0 +14
GSC	comp=Z,2um,20.0s		LR	LR	
BAR	Barrett	100.22 303	PFAKE	LR	00 44 30.0 +14
BAR	comp=Z,2um,20.0s		LR	LR	
D08A	Wollman Farm,	100.24 317	PFAKE	LR	00 44 30.0 +14
D08A	comp=Z,5um,21.0s Colville Reser	100.31 319	ePdif	Pdif	00 44 18.5 +2.2
B08A	comp=Z,5um,22.0s Dider Farm, El	100.42 317	PFAKE	LR	00 44 30.0 +13
E08A	comp=Z,4um,18.0s Circle Bar Ran	100.47 314	PFAKE	LR	00 44 30.0 +13
J08A	comp=Z,3um,22.0s Urumqi	100.56 46	P	Pdif	00 44 18.5 +1.0 00 44 28.3 +7.2 00 48 31.5 +7.2
WMQ	comp=Z,14nm,0.9s		pp	SKS	00 54 54.5 -2.7
WMQ	comp=Z,160nm,7.5s		pp	SKS	00 55 51.8 -3.2
WMQ	comp=Z,3um,21.5s		pp	SKS	01 02 52.0 +1.1
WMQ	comp=Z,2um,18.9s		SS	pmax	
WMQ	comp=Z,2um,18.9s		SS	pmax	
WMQ	comp=Z,2um,32.3s C Manual Prospec baz=84	100.58 306	P	Pdif	00 44 17.9 -0.1
DAC	Darwin (Calif)	100.64 306	PFAKE	LR	00 44 30.0 +12
DAC	comp=Z,3um,21.0s Wild Horse Val	100.71 313	PFAKE	LR	00 44 30.0 +12
WVOR	comp=Z,5um,21.0s Scott Base	100.72 180	PFAKE	LR	00 44 30.0 +13
SBA	comp=Z,1um,20.0s Hanford	100.76 317	PFAKE	LR	00 44 30.0 +12
HAWA	comp=Z,4um,19.0s Sunnyside	100.95 317	PFAKE	LR	00 44 30.0 +11
E07A	comp=Z,4um,19.0s		LR	LR	
VNDA	comp=Z,2.0nm,1.0s,baz=135,slow=4.3,SNR=2.3 Vanda izee	101.05 179 101.10 315	P	Pdif	00 44 20.7 +1.8
I07A	comp=Z,2um,20.0s Phinny Hill Vi	101.11 316	PFAKE	LR	00 44 30.0 +10
F07A	comp=Z,3um,21.0s		LR	LR	
EDW2	comp=Z,3um,20.0s Edwards Air Fo baz=84	101.11 305	P	Pdif	00 44 20.5 +0.3
MWC	Mount Wilson	101.23 304	PFAKE	LR	00 44 30.0 +9.1
MWC	comp=Z,3um,20.0s		LR	LR	
PASC	Pasadena Art C	101.34 304	PFAKE	LR	00 44 30.0 +8.8
PASC	comp=Z,4um,19.0s Liberty	101.39 318	ePdif	Pdif	00 44 18.9 -2.2
LTY	comp=Z,5um,21.0s Isabella, Lake	101.42 306	P	Pdif	00 44 23.2 +1.7
ISA	comp=Z,5um,21.0s Isabella, Lake	101.42 306	eP	Pdif	00 44 25.6 +4.0 00 48 28.2
ISA	comp=Z,3um,21.0s		e	MLR	
ISA	comp=Z,3um,21.0s		ePdif	Pdif	00 44 25.6 +4.0 00 48 28.2 -2.9
ISA	comp=Z,3um,21.0s		eP	PP	
INK	comp=Z,3um,21.0s Lilloet	101.53 321	PFAKE	LR	00 44 30.0 +8.4
LLLB	comp=Z,7um,20.0s Yerington	101.63 309	PFAKE	LR	00 44 30.0 +7.4
YERR	comp=Z,4um,20.0s Pah Rah Range	101.64 310	PFAKE	LR	00 44 30.0 +7.5
PAHR	comp=Z,5um,22.0s		LR	LR	
MDPB	comp=Z,5um,22.0s Devils Postpil	101.67 308	PFAKE	LR	00 44 30.0 +7.1
MDPB	comp=Z,2um,22.0s Marblemount	101.69 319	PFAKE	LR	00 44 30.0 +7.7
B06A	comp=Z,5um,21.0s Carlson Farm,	101.71 316	PFAKE	LR	00 44 30.0 +7.4
G06A	comp=Z,2um,21.0s Osito Audit: C	101.74 305	PFAKE	LR	00 44 30.0 +7.0
OSI	comp=Z,3um,22.0s		LR	LR	
WAKR	comp=Z,4um,22.0s Walker	101.84 309	PFAKE	LR	00 44 40.0 +16
PNTR	comp=Z,3um,20.0s Pine Nut	101.89 310	PFAKE	LR	00 44 40.0 +16
PNTR	comp=Z,5um,19.0s Modoc Plateau	102.01 312	PFAKE	LR	00 44 40.0 +16
MOD	comp=Z,5um,19.0s		LR	LR	
LON	comp=Z,5um,19.0s Longmire	102.25 318	PFAKE	LR	00 44 40.0 +15
LON	comp=Z,6um,21.0s Casey	102.35 160	PFAKE	LR	00 44 40.0 +15
CASY	comp=Z,1um,18.0s Beckworth	102.36 310	PFAKE	LR	00 44 40.0 +14

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BEKR	comp=Z,4um,22.0s		LR	LR	
SNCC	San Nicolas Is	102.55 304	PFAKE	LR	00 44 40.0 +13
SNCC	comp=Z,2um,19.0s		LR	LR	
CMB	Columbia Colle	102.65 309	PFAKE	LR	00 44 40.0 +13
CMB	comp=Z,3um,22.0s		LR	LR	
F04A	Amboy	102.82 317	PFAKE	LR	00 44 40.0 +13
F04A	comp=Z,4um,21.0s		LR	LR	
H04A	Detroit Lake	102.89 315	PFAKE	LR	00 44 40.0 +12
H04A	comp=Z,2um,19.0s		LR	LR	
PGC	Sidney	102.94 320	PFAKE	LR	00 44 40.0 +12
PGC	comp=Z,7um,21.0s		LR	LR	
AFDM	Forest Hills D	102.97 310	PFAKE	LR	00 44 40.0 +12
AFDM	comp=Z,4um,22.0s		LR	LR	
PMPB	Monarch Peak	103.23 307	PFAKE	LR	00 44 40.0 +10
PMPB	comp=Z,3um,20.0s		LR	LR	
ORV	Oroville	103.28 310	PFAKE	LR	00 44 40.0 +10
ORV	comp=Z,5um,22.0s		LR	LR	
E03A	Lebam	103.47 318	PFAKE	LR	00 44 40.0 +10
E03A	comp=Z,6um,21.0s		LR	LR	
F03A	Seaside	103.60 317	PFAKE	LR	00 44 40.0 +9.1
F03A	comp=Z,5um,21.0s		LR	LR	
COR	Corvallis	103.70 316	PFAKE	LR	00 44 40.0 +8.7
COR	comp=Z,2um,20.0s		LR	LR	
YBH	Yreka Blue Hor	103.82 313	PFAKE	LR	00 44 40.0 +7.9
YBH	comp=Z,5um,20.0s		LR	LR	
HUMO	Hull Mountain	103.83 314	PFAKE	LR	00 44 40.0 +7.9
HUMO	comp=Z,4um,22.0s		LR	LR	
WDC	Whiskeytown Da	103.90 311	PFAKE	LR	00 44 40.0 +7.7
WDC	comp=Z,4um,20.0s		LR	LR	
DLBC	Dease Lake	103.92 330	PFAKE	LR	00 44 40.0 +7.9
DLBC	comp=Z,5um,20.0s		LR	LR	
GDXM	Geysers	104.39 310	PFAKE	LR	00 44 50.0 +15
GDXM	comp=Z,5um,18.0s		LR	LR	
MCCM	Marconi Confer	104.57 309	PFAKE	LR	00 44 50.0 +15
MCCM	comp=Z,4um,22.0s		LR	LR	
HOPS	Hopland Field	104.58 310	PFAKE	LR	00 44 50.0 +15
HOPS	comp=Z,5um,20.0s		LR	LR	
KHMM	Horse Mountain	104.73 312	PFAKE	LR	00 44 50.0 +14
KHMM	comp=Z,4um,20.0s		LR	LR	
KRMB	Red Mountain	104.74 313	PFAKE	LR	00 44 50.0 +14
KRMB	comp=Z,7um,20.0s		LR	LR	
KBO	Bosley Butte	104.83 313	PFAKE	LR	00 44 50.0 +13
KBO	comp=Z,6um,21.0s		LR	LR	
KMRM	Mali Ridge	104.84 311	PFAKE	LR	00 44 50.0 +13
KMRM	comp=Z,6um,19.0s		LR	LR	
KCPM	Cahto Peak	104.84 311	PFAKE	LR	00 44 50.0 +13
KCPM	comp=Z,6um,21.0s		LR	LR	
JCC	Jacoby Creek,	104.97 312	PFAKE	LR	00 49 00.0
JCC	comp=Z,4um,18.0s		LR	LR	
LSA	Lhasa	105.19 60	PFAKE	LR	00 49 00.0
LSA	comp=Z,800nm,22.0s		LR	LR	
WHY	Whitehorse	105.33 334	PFAKE	LR	00 49 00.0
WHY	comp=Z,4um,20.0s		LR	LR	
DAWY	Dawson	105.58 338	PFAKE	LR	00 49 00.0
DAWY	comp=Z,3um,22.0s		LR	LR	
WRAK	Wrangell Islan	105.82 329	PFAKE	LR	00 49 00.0
WRAK	comp=Z,6um,21.0s		LR	LR	
EGAK	Eagle	105.87 339	PFAKE	LR	00 49 00.0
EGAK	comp=Z,3um,20.0s		LR	LR	
SKAG	Skagway	106.05 333	PFAKE	LR	00 49 00.0
SKAG	comp=Z,4um,19.0s		LR	LR	
BESE	Bessie Mountai	106.20 332	PFAKE	LR	00 49 10.0
BESE	comp=Z,6um,20.0s		LR	LR	
TOLK	Toolik Lake Re	106.21 344	PFAKE	LR	00 49 10.0
TOLK	comp=Z,1um,20.0s		LR	LR	
FYU	Fort Yukon	106.24 341	PFAKE	LR	00 49 10.0
FYU	comp=Z,2um,19.0s		LR	LR	
TIXI	Tiksi	106.39 11	PFAKE	LR	00 49 10.0
TIXI	comp=Z,1um,20.0s		LR	LR	
HYT	Haines Junctio	106.41 334	PFAKE	LR	00 49 10.0
HYT	comp=Z,5um,22.0s		LR	LR	
MENT	Mentasta	107.83 338	PFAKE	LR	00 49 10.0
MENT	comp=Z,3um,20.0s		LR	LR	
ILAR	Eielson Array	107.88 340	PP	PP	00 49 19.9 +2.1
ILAR	comp=Z,0.9nm,1.0s,baz=62,slow=6.3,SNR=3.4 PKKPbc PKKPbc	108.14 341	PFAKE	LR	01 00 14.7 +2.3
COLA	College	108.14 341	PFAKE	LR	00 49 10.0
COLA	comp=Z,2um,20.0s		LR	LR	
CCB	Clear Creek Bu	108.26 340	PFAKE	LR	00 49 10.0
CCB	comp=Z,2um,20.0s		LR	LR	
PAX	Paxon	108.46 338	PFAKE	LR	00 49 10.0
PAX	comp=Z,2um,21.0s		LR	LR	
WRH	Wood River Hil	108.47 340	PFAKE	LR	00 49 10.0
WRH	comp=Z,2um,20.0s		LR	LR	
TLY	Talaya	108.88 35	PFAKE	LR	00 49 10.0
TLY	comp=Z,2um,18.0s		LR	LR	
MLY	Manley	108.97 342	PFAKE	LR	00 49 10.0
MLY	comp=Z,2um,21.0s		LR	LR	
DHY	Denali Highway	109.09 339	PFAKE	LR	00 49 10.0
DHY	comp=Z,2um,19.0s		LR	LR	
MCK	McKinley	109.23 340	PFAKE	LR	00 49 10.0
MCK	comp=Z,2um,19.0s		LR	LR	
RND	Reindeer	109.41 340	PFAKE	LR	00 49 10.0
RND	comp=Z,3um,20.0s		LR	LR	
RAGM	Ragged Mountai	109.66 336	PFAKE	LR	00 49 10.0
RAGM	comp=Z,4um,21.0s		LR	LR	
DIV	Divide	109.67 337	PFAKE	LR	00 49 10.0
DIV	comp=Z,3um,20.0s		LR	LR	
BPBW	Bear Paw Mtn.	109.67 341	PFAKE	LR	00 49 10.0
BPBW	comp=Z,2um,19.0s		LR	LR	
SCM	Sheep Creek Mo	109.84 338	PFAKE	LR	00 4







Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Muntele Rosu, BUCOVINA AR. S, and various ARCCESS arrays.

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like Van-Muradiye, Van, and various Turkish stations.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Baskale VAN, KARACOBAN, and various international stations.

ICD 29 03:07:57.0-0.5, 7.51N-36.71W, h0km, mb4.1/18, mb1.4, 3/19, mb1mx4.2/42, mbmp4.2/19, ML4.1/1, MS3.6/3, Ms1.3/6.3, ms1mx3.0/33, Error ellipse: s-maj=20.6km s-min=12.4km az=138.0

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like RCBR Riachuelo, RCBR Rio Negro, and various international stations.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like MTE Manteigas, PVIS Viseu, and various international stations.

KRNET 29 03:14:22.1+0.1, 38.03N-71.93E, mb3.4, NNC 29 03:14:27.5+2.6, 38.53N-71.93E, h0km, mb3.9, mpv3.5, Error ellipse: s-maj=27.2km s-min=10.7km az=152.0

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like Batken, Sufi-Kurgan, and various international stations.

ISCB 29 03:14:37.4+0.8, 22.5S-0.1x66.08W+0.09, h251km, mb3.8/1, Error ellipse: s-maj=15.6km s-min=10.7km az=162.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MNMC Minye Minye, LPAZ La Paz, SIV San Ignacio, etc.

ISC/B 29 03:16:32.7±0.6, 20.07S±0.04, 69.0W±0.1, h98km, 8km, mb3.7/3, Error ellipse: s-maj=16.9km s-min=6.7km

GUC 29 03:16:36.0±0.5, 20.14S±0.09, 69.31W±0.1, h99km, 6km, ML4.1, IDC 29 03:16:36.1±1.4, 20.22S±0.68, 69.51W±1.12km, 13km, mb3.5/4, mb1.3/7, mb1mx3.4/35, mbmtpp4.0/8, MS2.3/1, Ms1.2/4.1, ms1mx2.3/16, Error ellipse: s-maj=29.1km s-min=13.0km az=102.0

ISC 29 03:16:33.2±0.8, 20.10S±0.05, 69.17W±0.1, h93km, 9km, n14, c185/18, mb3.6/3, Northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PBO1 IPOC Station P, MNMC Minye Minye, PSGC Pisagua, etc.

DJA 29 03:22:02.8±1.1, 10.5S±1.1, 87.9E±1.1, h87km, 15km, MB3.5/5, mb3.5/1, ML3.5/5, South of Subwaba

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PLAI Plampang, BSSI Bau Bau, etc.

IDC 29 03:28:08.4±13.0, 7.76S±13.84W, h0km, mb3.7/3, mb1.3/9/3, mb1mx3.4/34, mbmtpp3.7/3, Error ellipse: s-maj=422.0km s-min=136.7km az=155.0, Ascension Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TORD Torodi Ar. Bea, GERES GERES Array B, AKASG Malin Array Be, etc.

WEL 29 03:30:21.1±0.3, 38.26S±175.16E, h232km, 5km, ML3.5/20, 3D, Error ellipse: s-maj=6.8km s-min=5.2km az=90.0, North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BKZ Black Stump Fm, BHHZ Black Hill Sta, MTHZ Maungataniwha, etc.

ISC/B 29 03:31:26.0±0.8, 8.8S±0.2, 13.4W±0.1, h10km, mb3.9/7, Error ellipse: s-maj=26.7km s-min=11.5km az=155.8

IDC 29 03:31:26.0±0.9, 8.77S±13.41W, h0km, mb3.9/7, mb1.4/1/7, mb1mx3.7/31, mbmtpp3.9/7, Error ellipse: s-maj=46.6km s-min=19.6km az=125.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H10S1 ASCENSION HYDR, H10S2 ASCENSION HYDR, etc.

CSEM 29 03:38:48.1, 39.69N, 38.81E, h14km, ML3.5, DDA 29 03:38:48.1, 39.69N, 38.81E, h14km, ML3.5, ATA 29 03:38:48.1, 39.75N, 38.86E, h18km, 12km, MD3.0, ML3.2, MW3.0

ISC 29 03:38:48.0±1.4, 39.75N±38.86E, h18km, 12km, MD3.0, n13, c1505/77, 1D, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like REFA Refahiye\_ERZ, KEMA Kemaliye, KEMTA Kemaliye, etc.

IDC 29 03:42:57.9±3.2, 8.35S±14.09W, h0km, mb3.9/6, mb1.4/1/6, mb1mx3.9/25, mbmtpp3.9/6, MS3.8/17, Ms1.3/8/17, ms1mx3.7/26, Error ellipse: s-maj=164.7km s-min=27.9km az=145.0

ISC 29 03:42:58.4±2.4, 8.9S±0.5, 13.7W±0.2, h10km, n24, c1935/10, mb3.9/7, MS3.8/16, Ascension Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H10S2 ASCENSION HYDR, H10S1 ASCENSION HYDR, etc.

IDC 29 03:42:57.9±3.2, 8.35S±14.09W, h0km, mb3.9/6, mb1.4/1/6, mb1mx3.9/25, mbmtpp3.9/6, MS3.8/17, Ms1.3/8/17, ms1mx3.7/26, Error ellipse: s-maj=164.7km s-min=27.9km az=145.0

ISC 29 03:42:58.4±2.4, 8.9S±0.5, 13.7W±0.2, h10km, n24, c1935/10, mb3.9/7, MS3.8/16, Ascension Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H10S2 ASCENSION HYDR, H10S1 ASCENSION HYDR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PLCA Paso Flores, GERES GERES Array B, BRTR Keskin Array B, etc.

MNC 29 03:48:47.3±14.0, 33.38N±72.42E, h0km, mb3.8, mpv3.5, Error ellipse: s-maj=193.2km s-min=109.7km az=96.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PONG Pong, JWA Jwalamukhi, SFK Sufi-Kurban, etc.

ISN 29 03:54:45.6±0.3, 38.28N±43.09E, h0km, ML3.4, ATA 29 03:54:49.0±1.0, 38.55N±42.92E, h0km, 5km, MD4.2, ML3.8, MW3.6

ISK 29 03:54:50.0, 38.62N±43.05E, h5km, MD3.3, ML3.1, DDA 29 03:54:50.8, 38.61N±43.02E, h5km, MD3.3, CSEM 29 03:54:51.3±0.2, 38.61N±43.08E, h5km, MD3.3, Error ellipse: s-maj=4.4km s-min=3.3km az=140.0

ISC 29 03:54:51.0±1.1, 38.62N±43.04E, h2km, 10km, n70, c1501/109, 1D, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VANB Van, ADCV Adcov, ERVC ERCIS-VAN, etc.

IDC 29 03:54:51.0±1.1, 38.62N±43.04E, h2km, 10km, n70, c1501/109, 1D, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TUTA Tutak, TATA Tutak, ERVC ERCIS-VAN, etc.

IDC 29 03:54:51.0±1.1, 38.62N±43.04E, h2km, 10km, n70, c1501/109, 1D, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HAKK Hakkari, ELESKIR Eleskirt, SVAN Silvan-Diyarba, etc.



29d 5h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ECAT, KARS, BINT, SENK, etc.

MEX 29 03:55:30.5-0.7, 16.31N, 95.97W, h76km, 10km, MD3.9, Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HUIG, OXBJ, VHO, etc.

IDC 29 04:01:47.9, 1.9, 2.21S, 128.77E, h0km, mb3.5/2, mb1 3.7/4, mb1mx3.5/25, mbtmp3.5/4, ML3.4/2, Error ellipse: s-maj=97.5km s-min=14.4km az=70.0

DJA 29 04:01:51.7, 0.9, 2.0, S, 5.6 x 12.8E, h117km, 13km, M3.3/6, MLV3.3/6

ISCJB 29 04:01:53.4, 0.8, 2.36S, 0.07x127.82E, 0.06, h32km, mb3.6/2, Error ellipse: s-maj=12.5km s-min=5.8km az=39.4

ISC 29 04:01:54.0, 1.0, 2.33S, 0.06x127.88E, 0.05, h32km, n10, #251/15, Ceram Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NLAI, MSAI, LBMI, etc.

IDC 29 04:14:57.2, 6.9, 18.75S, 179.25W, h0km, mb3.6/3, mb1 3.9/3, mb1mx3.7/20, mbtmp3.6/3, Error ellipse: s-maj=302.4km s-min=35.8km az=144.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA, ASAR, ILAR, etc.

ISCJB 29 04:27:14.6, 0.5, 3.4, 13N, 0.03, 36.17E, 0.04, h19km, 8km, Error ellipse: s-maj=6.2km s-min=4.8km az=42.2

NSSC 29 04:27:14.0, 0.9, 3.4, 15N, 36.14E, h16km, 3km, ML1.5

CSEM 29 04:27:15.1, 3.1, 11N, 36.20E, h18km, ML2.7

AAI 29 04:27:15.0, 3.4, 11N, 36.20E, h18km, 4km, MD2.7

ISC 29 04:27:14.1, 1.5, 3.4, 13N, 0.03, 36.19E, 0.04, h21km, 1km, n16, #042/26, Jordan-Syria region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FKX, HWQ, MARH, etc.

CSEM 29 04:38:03.3, 1.1, 5.1, 43N, 16.15E, h1km, Error ellipse: s-maj=15.2km s-min=8.4km az=13.0

WAR 29 04:38:03.9, 5.1, 44N, 16.20E, h1km

PRU 29 04:38:04.4, 5.1, 39N, 16.19E, h0km

ISC 29 04:38:02.9, 3.2, 5.1, 5N, 0.1, 16.23E, 0.08, h0km, n18, #064/29, Poland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HUIG, OXBJ, VHO, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KSP, KSP, KSP, etc.

IDC 29 04:48:42.7, 1.9, 2.47N, 126.47E, h0km, mb3.4/4, mb1 3.7/4, mb1mx3.5/38, mbtmp3.5/4, MS2.9/1, Ms1 2.9/1, ms1mx2.4/19, Error ellipse: s-maj=124.0km s-min=24.1km az=69.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FITZ, WRA, ASAR, MKAR, etc.

DDA 29 04:52:44.7, 38.77N, 43.72E, h7km, ML2.7

CSEM 29 04:52:44.7, 38.77N, 43.72E, h7km, ML2.7

ISCJB 29 04:52:45.6, 0.7, 38.78N, 0.03, 43.71E, 0.06, h11km, 5km, Error ellipse: s-maj=7.8km s-min=4.2km az=15.3

ATA 29 04:52:55.1, 0.9, 39.33N, 43.17E, h0km, 138km, MD4.1, ML2.4

ISC 29 04:52:45.3, 1.2, 38.75N, 0.03, 43.72E, 0.04, h8km, 9km, n22, #134/40, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VMUR, TVAN, CLDR, etc.

ISCJB 29 05:15:03.6, 0.9, 1.63N, 0.05, 96.87E, 0.08, h36km, 8km, mb4.2/17, MS3.3/8, Error ellipse: s-maj=14.1km s-min=5.1km az=153.7

DJA 29 05:15:03.9, 0.8, 2.0, N, 4.9 x 9.7E, h51km, 35km, M4.3/6, mb4.5/1, MLV4.2/6

IDC 29 05:15:04.3, 0.8, 1.59N, 96.80E, h28km, 3km, mb4.0/13, mb1 4.1/15, mb1mx3.9/40, mbtmp4.1/15, ML3.5/2, MS3.3/10, Ms1 3.3/10, ms1mx3.1/32, Error ellipse: s-maj=22.2km s-min=14.1km az=36.0

NEIC 29 05:15:05.3, 1.5, 1.62N, 96.85E, h35km, 11km, mb4.1/2, Error ellipse: s-maj=15.7km s-min=5.9km az=50.0

ISC 29 05:15:04.3, 0.6, 1.61N, 0.05, 96.79E, 0.06, h28km, 3km, h29km, P-P, n56, #060/66, mb4.4/18, MS3.3/8, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SNSI, PBSI, PSI, etc.

MAN 29 05:15:03.6, 0.9, 1.63N, 0.05, 96.87E, 0.08, h36km, 8km, mb4.2/17, MS3.3/8, Error ellipse: s-maj=14.1km s-min=5.1km az=153.7

DJA 29 05:15:03.9, 0.8, 2.0, N, 4.9 x 9.7E, h51km, 35km, M4.3/6, mb4.5/1, MLV4.2/6

IDC 29 05:15:04.3, 0.8, 1.59N, 96.80E, h28km, 3km, mb4.0/13, mb1 4.1/15, mb1mx3.9/40, mbtmp4.1/15, ML3.5/2, MS3.3/10, Ms1 3.3/10, ms1mx3.1/32, Error ellipse: s-maj=22.2km s-min=14.1km az=36.0

NEIC 29 05:15:05.3, 1.5, 1.62N, 96.85E, h35km, 11km, mb4.1/2, Error ellipse: s-maj=15.7km s-min=5.9km az=50.0

ISC 29 05:15:04.3, 0.6, 1.61N, 0.05, 96.79E, 0.06, h28km, 3km, h29km, P-P, n56, #060/66, mb4.4/18, MS3.3/8, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SNSI, PBSI, PSI, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H08S1, H08N1, H08N2, etc.

IDC 29 05:23:28.2, 6.2, 7.62S, 122.24E, h221km, 60km, mb3.2/2, mb1 3.3/5, mb1mx3.0/45, mbtmp3.8/5, Error ellipse: s-maj=106.8km s-min=21.1km az=52.0, Flores Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FITZ, WRA, ASAR, etc.

MAN 29 05:35:14, 17.38N, 116.00E, h26km, mb4.4, ML3.2, MS3.2, Philippine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BOLD, ABRA, APYP, etc.

ISK 29 05:59:05.6, 38.68N, 43.47E, h22km, MD2.4

ISCJB 29 05:59:06.7, 0.8, 38.69N, 0.03, 43.52E, 0.06, h21km, 8km, Error ellipse: s-maj=8.2km s-min=5.0km az=21.5

DDA 29 05:59:06.8, 38.71N, 43.47E, h7km, ML2.8

CSEM 29 05:59:06.1, 0.3, 38.69N, 43.51E, h20km, MD2.4, Error ellipse: s-maj=8.0km s-min=5.3km az=116.0

ISC 29 05:59:06.6, 0.9, 38.73N, 0.02, 43.46E, 0.03, h18km, 2km, n22, #096/41, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VANB, VANB, VANB, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like VANB, TVAN, VMUR, etc.

ISCJB 29 06:26:33.3.0.2, 13:67N,0:04:88:95W, h161km,2km, mb4.6/89, Error ellipse: s-maj=7.0km s-min=2.8km az=38.1

IDC 29 06:26:33.2.0.2, 13:72N,88:82W, h155km,2km, mb4.0/12, mb1 4.2/14, mb1mx3.9/38, mbtmp4.5/14, Error ellipse: s-maj=23.1km s-min=10.5km az=55.0

CASC 29 06:26:33.4.1.4, 13:68N,88:95W, h151km,5km, MD4.2, ML4.2, mb4.7(NEIC)

NEIC 29 06:26:34.1.0.5, 13:58N,88:89W, h158km,4km, mb4.7/90, Error ellipse: s-maj=7.4km s-min=4.4km az=45.0

ISC 29 06:26:33.5.0.6, 13:69N,0:07:88:98W,0:05, h151km,5km, #463, s1:15/499, mb4.6/89, 8C-8D, El Salvador

Main station list table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like LBRS, SNV, OPAM, etc.

Main station list table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like 438A, 340A, 246A, etc.

Main station list table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like W39A, X35A, W38A, etc.

29d 6h

S35A	Otter Creek Ra	24.77	346	P	P	06 31 41.3 +0.1
R38A	Fenwick Farm,	24.79	351	P	P	06 31 41.8 +0.4
R39A	Chummy Stover	24.79	352	P	P	06 31 41.8 +0.5
S34A	Willow Spring	24.98	345	P	P	06 31 43.6 +0.4
R37A	Teagarden Farm	25.07	349	P	P	06 31 44.3 +0.4
Q44A	Meyer Farm, Va	25.11	360	P	P	06 31 44.7 +0.5
Q45A	Warren Harvey,	25.11	2	P	P	06 31 44.7 +0.4
Q43A	New Douglas	25.16	359	P	P	06 31 44.9 +0.3
Q42A	Golden Eagle	25.16	357	P	P	06 31 45.4 +0.8
R36A	Gorslon, Harris	25.21	348	P	P	06 31 45.4 +0.2
Q41A	Truxton	25.24	356	P	P	06 31 45.8 +0.4
Q47A	Bedford North L	25.25	5	P	P	06 31 45.3 -0.2
Q40A	Laux Farm, Aux	25.35	354	P	P	06 31 46.6 +0.2
R35A	Emporia Muncie	25.36	347	P	P	06 31 47.2 +0.7
121A	Cookes Peak, D	25.43	321	eP	P	06 31 50.0 +2.5
Q39A	Willow Grove F	25.50	353	P	P	06 31 48.0 +0.2
Q38A	Cooks Store, C	25.50	352	P	P	06 31 48.3 +0.5
Q37A	Longview Farm,	25.55	350	P	P	06 31 48.7 +0.5
R34A	Isabella, Hill	25.59	345	P	P	06 31 49.1 +0.5
P47A	Martinsville	25.80	5	P	P	06 31 50.3 -0.2
P46A	Rosedale	25.87	3	P	P	06 31 50.3 -0.8
P40A	Paris	25.88	355	P	P	06 31 51.4 +0.2
P39B	Salisbury	25.91	353	P	P	06 31 51.5 +0.0
P41A	Barry, Barry	25.95	356	P	P	06 31 51.8 0.0
Y22D	IRIS PASSCAL I	26.01	324	eP	P	06 31 55.7 +3.1
IP07	Quail	26.02	20	eP	P	06 31 53.4 +0.9
Q34A	Chapman	26.10	346	P	P	06 31 53.1 -0.1
P38A	Dawn	26.14	352	P	P	06 31 53.9 +0.3
Q44A	Mansfield	26.36	1	P	P	06 31 55.5 0.0
O41A	Passleys Farm,	26.37	357	P	P	06 31 55.4 -0.2
ANMO	Albuquerque	26.40	326	P	P	06 31 58.0 +1.8
ANMO	Albuquerque	26.40	326	eP	P	06 31 58.9 +2.7
O40A	La Belle	26.45	355	P	P	06 31 56.6 +0.1
P35A	Duane Minner,	26.47	348	P	P	06 31 56.7 +0.1
O45A	Potomac	26.48	2	P	P	06 31 57.0 +0.1
CBN	Corbin Frederi	26.50	21	eP	P	06 31 57.3 +0.5
O47A	Sheridan	26.56	5	P	P	06 31 56.6 -0.6
SFIN	Lafayette	26.64	3	P	P	06 31 57.6 -0.4
O39A	Kirksville	26.64	354	P	P	06 31 58.2 +0.2
P34A	Walnut Farm, R	26.67	346	P	P	06 31 58.5 +0.2
CBKS	Cedar Luff	26.77	341	P	P	06 31 59.6 +0.3
N41A	Harden Midland	26.96	357	P	P	06 32 00.7 -0.2
N42A	Yates City	27.05	358	P	P	06 32 02.0 +0.4
T25A	Trinidad	27.11	332	eP	P	06 32 04.8 +2.3
N43A	Stutzman Famil	27.14	360	P	P	06 32 02.8 +0.3
N40A	Mertzquake, Sal	27.18	356	P	P	06 32 03.2 +0.4
TUC	Tucson	27.22	317	eP	P	06 32 06.9 +3.5
MHTCO	State Highway	27.23	332	eP	P	06 32 05.9 +2.3
O34A	Beatrice	27.25	347	P	P	06 32 04.1 +0.6
N38A	Joos South F	27.25	353	P	P	06 32 04.4 +0.9
N39A	Derby Farms, D	27.26	354	P	P	06 32 04.0 +0.5
O33A	Hebron	27.35	346	P	P	06 32 05.1 +0.7
N37A	Lee Faris, Mou	27.35	351	P	P	06 32 04.8 +0.4
M41A	Milan	27.61	357	P	P	06 32 07.2 +0.5
N35A	Tabor	27.69	349	P	P	06 32 07.6 +0.2
M40A	Post Highland	27.70	356	P	P	06 32 07.6 +0.2
M39A	Webster	27.82	355	P	P	06 32 08.7 +0.1
N34A	Lincoln	27.83	348	P	P	06 32 09.0 +0.3
M38A	Pleasantville	27.87	353	P	P	06 32 09.0 0.0
KSCO	Kaye Shedlock	27.96	337	eP	P	06 32 11.0 +1.1
KSCO	Kaye Shedlock	27.96	337	eP	P	06 32 11.5 +1.6
O56A	Blue Knob Sta	28.01	17	P	P	06 32 10.6 +0.4
SDCO	Great Sand Sun	28.11	331	P	P	06 32 13.0 +1.5
M36A	Felix, Anita	28.12	351	P	P	06 32 11.7 +0.5
L42A	Oliver, Polo	28.21	359	P	P	06 32 12.0 0.0
N54A	Moraine State	28.28	14	P	P	06 32 13.0 +0.3
N54A	Moraine State	28.28	14	eP	P	06 32 13.4 +0.7
L41A	Preston	28.31	358	P	P	06 32 12.8 0.0
L40A	Anamosa	28.33	356	P	P	06 32 13.1 +0.1
W18A	Petrified Fore	28.39	322	eP	P	06 32 16.7 +2.9
L39A	Vinton	28.45	355	P	P	06 32 14.2 +0.1
L38A	Oak Wood Farm,	28.55	354	P	P	06 32 15.4 +0.3
S22A	4UR Ranch, Cre	28.74	330	P	P	06 32 18.6 +1.5
S22A	4UR Ranch, Cre	28.74	330	eP	P	06 32 19.4 +2.2
BGNE	Belgrade	28.75	346	P	P	06 32 17.4 +0.6
M54A	Oil Creek Stat	28.88	15	P	P	06 32 18.2 +0.3
K40A	Colesburg	28.96	357	P	P	06 32 18.7 0.0
X16A	Lo Mia Camp, P	28.97	319	eP	P	06 32 21.4 +2.3
K42A	Prairie Point,	28.98	359	P	P	06 32 18.6 -0.3
K39A	Delwein	29.02	356	P	P	06 32 19.1 0.0
K38A	Parkersburg	29.04	354	P	P	06 32 19.4 +0.1
MVCO	Mesa Verde	29.19	327	eP	P	06 32 22.5 +1.4
MVCO	Mesa Verde	29.19	327	eP	P	06 32 23.0 +2.0
K35A	Storm Lake	29.43	351	P	P	06 32 23.1 +0.3

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N59A	State Game Lan	29.48	21	P	P	06 32 24.1 +0.8
N59A	State Game Lan	29.48	21	eP	P	06 32 24.1 +0.8
J42A	Colonus	29.52	360	P	P	06 32 23.4 -0.2
K34A	Le Mars	29.54	349	P	P	06 32 23.6 -0.1
J41A	Loganville	29.58	358	P	P	06 32 24.7 +0.6
J43A	Natural Harves	29.59	1	P	P	06 32 24.0 -0.2
J39A	Decorah	29.63	356	P	P	06 32 24.5 -0.1
K33A	Hardington	29.63	348	P	P	06 32 25.1 +0.5
J40A	Soldiers Grove	29.64	357	P	P	06 32 24.9 +0.3
J38A	Wedel Dairy, R	29.68	355	P	P	06 32 24.9 0.0
J37A	Redenius Farm,	29.77	353	P	P	06 32 26.2 +0.4
ISCO	Idaho Springs	29.84	334	P	P	06 32 28.2 +1.4
ISCO	Idaho Springs	29.84	334	eP	P	06 32 28.2 +1.4
J36A	Seneca I, Swea	29.89	352	P	P	06 32 27.1 +0.3
K32A	Verdigre	29.89	347	P	P	06 32 27.5 +0.6
PV01	Paradox Valley	29.92	328	eP	P	06 32 28.8 +1.4
SMCO	Snowmass	29.95	331	eP	P	06 32 29.6 +1.7
K31A	O'Neill	30.04	346	P	P	06 32 28.9 +0.7
I42A	Drager Farm,	30.09	0	P	P	06 32 28.8 +0.1
H34A	Langenfeld Bro	30.10	1	P	P	06 32 28.7 0.0
I40A	Notwalk	30.13	358	P	P	06 32 29.0 +0.1
I39A	Houston	30.14	356	P	P	06 32 29.0 0.0
PV05	Paradox Valley	30.15	327	eP	P	06 32 31.5 +2.0
I41A	Arkdale	30.27	359	P	P	06 32 30.5 +0.3
PV04	Paradox Valley	30.29	328	eP	P	06 32 32.6 +2.0
PV10	Paradox Valley	30.34	328	eP	P	06 32 32.7 +1.5
I38A	Scanlan Farm,	30.38	355	P	P	06 32 31.1 -0.1
I37A	Lemond, Waseca	30.45	354	P	P	06 32 32.1 +0.3
PV09	Paradox Valley	30.48	328	eP	P	06 32 34.6 +2.0
J32A	Parkston	30.54	347	P	P	06 32 32.6 0.0
ECSJ	EROS Data Cent	30.65	349	P	P	06 32 33.3 -0.3
ECSJ	EROS Data Cent	30.65	349	eP	P	06 32 33.4 -0.1
H41A	Junction City	30.82	359	P	P	06 32 34.8 -0.2
H40A	Chili	30.85	358	P	P	06 32 35.1 -0.2
N23A	Red Feather La	30.89	334	P	P	06 32 36.9 +0.9
N23A	Red Feather La	30.89	334	eP	P	06 32 37.5 +1.5
H39A	Augusta	30.95	357	P	P	06 32 36.2 +0.1
W13A	Hualapai Mount	30.96	318	eP	P	06 32 38.7 +2.0
H37A	Diez Farm, C	30.97	355	P	P	06 32 36.3 0.0
H38A	Maiden Rock	31.01	355	P	P	06 32 36.8 +0.2
PHWY	Pilot Hill	31.03	336	eP	P	06 32 38.7 +1.4
H36A	Jessenland, He	31.07	353	P	P	06 32 37.6 +0.4
O20A	White River Ci	31.30	331	P	P	06 32 41.3 +1.8
O20A	White River Ci	31.30	331	eP	P	06 32 42.0 +2.4
H35A	Sunnyside Ranch	31.30	352	P	P	06 32 39.2 -0.1
H34A	Spelman Lake,	31.41	351	P	P	06 32 40.7 +0.5
G41A	Antigo	31.41	360	P	P	06 32 40.0 -0.3
G42A	Mountain	31.45	1	P	P	06 32 40.0 -0.5
G38A	Ridgeland	31.47	356	P	P	06 32 40.2 -0.5
G40A	Rib Lake	31.49	358	P	P	06 32 40.9 0.0
G39A	Holcombe	31.55	357	P	P	06 32 41.2 -0.2
H32A	Carlson Farm,	31.55	348	P	P	06 32 41.1 -0.3
SPMN	Marine on St.	31.59	355	eP	P	06 32 41.5 -0.3
SPMN	Marine on St.	31.59	355	eP	P	06 32 41.7 -0.1
G36A	St. Michael	31.70	354	P	P	06 32 42.6 -0.1
H31A	Wolsey	31.74	347	P	P	06 32 42.9 -0.2
G35A	Watkins	31.77	353	P	P	06 32 43.5 +0.1
SUSD	Miller	31.81	346	P	P	06 32 43.6 -0.1
F41A	Three Lakes	31.94	360	P	P	06 32 45.1 +0.2
G34A	Benson	31.95	351	P	P	06 32 44.7 -0.2
G33A	Ortonville	32.03	350	P	P	06 32 45.3 -0.3
F43A	Flat Rock, Esc	32.07	2	P	P	06 32 45.1 -0.8
F37A	Hinrichs Farm,	32.08	355	P	P	06 32 45.8 -0.3
RWWY	Rains	32.08	334	eP	P	06 32 48.5 +2.0
PTGA	Pitinga	32.12	114	P	P	06 32 44.8 -2.0
F40A	Park Falls	32.14	359	P	P	06 32 46.2 -0.4
F39A	Loretta	32.16	357	P	P	06 32 46.4 -0.4
F44A	Big Bay de Noc	32.25	3	P	P	06 32 47.2 -0.3
F38A	Pierce - Schro	32.26	356	P	P	06 32 47.4 -0.2
G32A	Webster	32.28	349	P	P	06 32 47.7 -0.2
F36A	Milaca	32.30	354	P	P	06 32 47.8 -0.1
G31A	Conde	32.39	348	P	P	06 32 48.7 -0.1
F35A	Swanville	32.41	353	P	P	06 32 48.8 -0.1
F34A	Alexandria	32.44	352	P	P	06 32 49.0 -0.1
K22A	Casper	32.59	336	eP	P	06 32 52.1 +1.3
K22A	Casper	32.59	336	eP	P	06 32 52.4 +1.6
E39A	Nellen	32.61	358	P	P	06 32 50.7 +0.1
E43A	Lone Tree Farm	32.62	3	P	P	06 32 50.4 -0.4
F33A	5 Mile Ranch,	32.63	351	P	P	06 32 50.3 -0.5
E42A	Champion	32.65	1	P	P	06 32 50.9 -0.1
E40A	Wakefield	32.66	359	P	P	06 32 51.3 +0.2
E45A	Wendell Hills,	32.72	5	P	P	06 32 51.5 0.0
E38A	The Farm, Brul	32.88	357	P	P	06 32 53.1 +0.1
E36A	McGregor	32.92	355	P	P	06 32 53.0 -0.3
RSSD	Black Hills	32.95	340	eP	P	06 32 55.5 +1.6
E35A	Pequot Lakes	33.08	353	P	P	06 32 54.7 -0.1

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E34A	Wadena	33.13	352	P	P	06 32 55.1 -0.1
E33A	Westby DABS, E	33.24	351	P	P	06 32 55.6 -0.5
D37A	Cotton	33.49	356	P	P	06 32 58.0 -0.3
D35A	Remer	33.55	354	P	P	06 32 58.5 -0.4
D36A	Goodland	33.56	355	P	P	06 32 58.4 -0.5
E31A	Nome	33.61	349	P	P	06 32 58.9 -0.4
D34A	Park Rapids	33.69	352	P	P	06 33 00.2 +0.1
D33A	AnnSam, Waubun	33.84	352	P	P	06 33 00.9 -0.4
C30A	Sawhill Land.	33.98	357	P	P	06 33 01.6 -0.9
BW06	Boulder Array	33.98				



Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like PSI Prapat, SKNT Sakolnakorn, SUKH Sukthothai, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like SONMI Songo Array, SONMI Songo Array, TLY Talaya, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like VANDA Vanda, ARU Arti, MAW Mawson, etc.

KRSC 29:07:46:57.0±10.0,49:19N:156:44E, h7km±10km, ML3.8, Kuril Islands

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like SKR Severo-Kuril's, KDR Khodutka, ASAK Asacha, etc.

ISCJB 29:07:58:13.3±0.2,34:70N:0:02±45.14E:0:02,h10km, mb4.1/27, Error ellipse: s-maj=3.1km s-min=2.4km az=0.7

NSCC 29:07:58:14.3±0.1,34:73N:45:22E,h0km,mb4.0/11, mb1.0/4.0/19,mb1mx3.9/4.1,mbmp3.9/19,ML3.8/8,MS2.6/3,

NEIC 29:07:58:15.9±0.0,34:76N:45:23E,h16km,mb4.3/20, MN4.0(TEH),After THR.

TEH 29:07:58:15.5,34:71N:45:10E,h5km,ML4.0

AZER 29:07:58:16.4±4.6,34:87N:45:02E,h6km, Error Ellipse: s-maj=38.9km s-min=30.8km az=154.0

ATA 29:07:59:21.4±0.3,38:00N:43:28E,h30km,2km,ML3.0, MW3.4

ISC 29:07:58:14.0±0.0,34:62N:0:03±45.14E:0:03,h10km,n185, mb4.2/27,mb4.2/27,6C-6D,Iran-Iraq border region

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like IDHR Dehrash, IGHG Ghaleghazi, IGHG Ghaleghazi, etc.

Table with columns: Station Name, Code, Time, Res, and various parameters. Includes stations like KHMZ, IMRD, RTB, etc.

Table with columns: Station Name, Code, Time, Res, and various parameters. Includes stations like EIL, GEYT, RAYN, etc.

Table with columns: Station Name, Code, Time, Res, and various parameters. Includes stations like ROM, SEI, PTF, etc.

29d 8h

Table with columns for station call letters, frequency, power, and coordinates. Includes stations like CHTO Chiang Mai, MBWA Marble Bar, and many others.

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Table with columns for station call letters, frequency, power, and coordinates. Includes stations like USRK Ussuriysk Ar., FITZ Fitzroy Crossi, and many others.

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Table with columns for station call letters, frequency, power, and coordinates. Includes stations like ZALV Zalesovo Beam, ZALV Zalesovo Beam, and many others.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for various stations.



29d 9h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SANI, NLAJ, WRA, ASAR, MKAR.

TIR 29 09:27:15.9, 0.8, 40.070N, 20.01E, h0km, 745km, ML2.7
ATH 29 09:27:17.6, 40.039N, 19.933E, h8km, 1km, ML2.4/8, Error
THE 29 09:27:18.4, 40.020N, 19.98E, h10km, ML2.5/6, Error
CSEM 29 09:27:19.0, 0.3, 40.030N, 20.01E, h2km, ML2.5, Error
ISC 29 09:27:18.4, 1.1, 40.005N, 0.03, 20.01E, 0.04, h5km, 10km, n45, c1910/72, Greece-Albania border region

Main table for 29d 9h section, listing station codes (SRN, KEK, SGI, etc.), station names, and their respective time and resolution data.

DJA 29 09:32:40.3, 0.8, 9S, 133.13, 11.9E, h97km, 9km, M3.7/5, ML3.7/5, Sumbawa region

Table for DJA section, listing station codes (PLAI, EDFI, BSSI, etc.) and their data.

GUC 29 09:32:49.2, 0.6, 34.23S, 73.37W, h50km, 72km, ML3.9, Off coast of central Chile

Table for GUC section, listing station codes (COCH, ROCH, ANTU, etc.) and their data.

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ISCJB 29 09:42:05.4, 0.3, 51.46N, 0.01, 16.17E, 0.02, h0km, mb3.2/2, Error ellipse: s-maj=2.1km s-min=1.9km az=6.8
CSEM 29 09:42:07.5, 0.1, 51.46N, 16.19E, h2km, ML3.5/17, Ms3.6, Error ellipse: s-maj=2.6km s-min=2.4km az=60.0
WAR 29 09:42:08.8, 51.44N, 16.20E, h1km, Mw3.1
IDC 29 09:42:09.0, 0.6, 51.42N, 16.13E, h0km, mb3.3/2, mb1 3.4/8, mb1mx3.3/42, mbtrmp3.4/8, ML3.2/6, Error ellipse: s-maj=10.4km s-min=5.4km az=100.0
BGR 29 09:42:09.3, 0.3, 51.39N, 16.17E, h1km, ML3.3/16, Error ellipse: s-maj=4.4km s-min=2.2km az=14.0
VIE 29 09:42:11.2, 51.26N, 16.18E, h0km, mb2.7/12, ML3.0/14, Ms3.6/2, Error ellipse: s-maj=4.4km s-min=4.2km az=174.0, Suspected Mining induced.
UPP 29 09:42:11.2, 51.64N, 15.71E, h0km, ML2.2, Suspected Mining explosion

Main table for 2011 NOV section, listing station codes (KSP, KRC, DPC, etc.), station names, and their data.

1566

Main table for 1566 section, listing station codes (WET, NIE, NED, etc.), station names, and their data.

ISK 29 09:49:24.6, 38.66N, 43.14E, h17km, MD2.6
ISCJB 29 09:49:26.3, 0.6, 38.68N, 0.04, 43.18E, 0.05, h15km, Error ellipse: s-maj=6.2km s-min=5.1km az=1.0
CSEM 29 09:49:26.0, 0.3, 38.69N, 43.17E, h10km, ML2.8, Error ellipse: s-maj=6.9km s-min=6.4km az=39.0
DDA 29 09:49:26.3, 38.65N, 43.22E, h7km, M2.8
ISC 29 09:49:25.4, 1.0, 38.67N, 0.03, 43.13E, 0.04, h15km, n17, c067/25, Turkey

Table for 1566 section, listing station codes (VANB, VAN, TVAN, etc.) and their data.

CAS 29 09:50:50.9, 0.8, 13.10N, 90.07W, h24km, 6km, ML3.9
IDC 29 09:50:50.3, 1.6, 13.79N, 89.52W, h0km, mb3.7/3, mb1 4.0/5, mb1mx3.7/32, mbtrmp3.8/5, ML3.2/2, MS3.2/1,

Msl 3.2/1,ms1mx2.4/35,Error ellipse: s-maj=45.7km s-min=26.2km az=28.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like San Blas, Ecomontaza, Cusmapa, etc.

ATH 29 10:20:24.2,39:17N,25:92E,h10km,1km,ML2.2/4,Error ellipse: s-maj=2.0km s-min=1.0km az=262.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like SGR, SIGRI, SGR, etc.

PET Petropavlovsk 4.39 28 ePn Pn 10 35 54.5 +1.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like DALK, Dalky, UGLR, etc.

ISCJB 29 10:06:20.3,0.6,39:43N,0:04,37:12E,0:04,h2km,9km, Error ellipse: s-maj=6.4km s-min=5.4km az=36.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like kangal\_SIVAS, CUKAN, etc.

TUN 29 10:27:23.7,35:71N,8:70E,h19km,MD2.7 CRAAG 29 10:27:26.4,35:78N,8:63E,MI4.2

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like KRIT, TROT, SYA, etc.

SRK Sorokina 8.28 23 PN Pn 10 36 49.6 +3.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like TYV, TYV, TYV, etc.

ISK 29 10:14:45.3,38:62N,33:48E,h25km,MD2.0,Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like VANB, VANB, CLDR, etc.

SKRSC 29 10:34:47.7,10.0,49:15N,156:65E,h7km,10km,ML4.7

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like SKR, Severo-Kuril's, SKR, etc.

YAK Yakutsk 19.16 322 eP Pn 10 39 07.1 -0.7

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like BIL, BIL, BIL, etc.

ISCJB 29 10:20:24.3,0.5,39:17N,0:02,25:93E,0:04,h4km,4km, Error ellipse: s-maj=5.2km s-min=3.8km az=160.8

CSEM 29 10:20:24.0,1.39:16N,25:93E,h2km,ML2.2,Error ellipse: s-maj=3.5km s-min=2.4km az=68.0

ISC 29 10:20:24.0,0.6,49:20N,0:06,155:25E,0:06,h72km,4km, h72km:pp-P,153,0158/193,mb4,3/44,1C-1D,Kuril Islands

SKHL 29 10:34:51.2,0.0,49:21N,155:85E,h41km,1km,mb4,5/2

H112 WAKE ISLAND Hy 30.85 158 T 11 13 40.1

H113 WAKE ISLAND Hy 31.98 159 T 11 14 50.1





29d 13h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various stations like PLG, POLYGYROS, OURANOPOLIS, VITOSH, etc.

2011 NOV

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various stations like IVAS, ULCINJ, CHIOS ISLAND, DRME, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various stations like WESE, WESP, WESP, AKMO, etc.



Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KIV Kislovodsk, FITZ Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ABRA Dolores, APYV Conner, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like IDC 29 13:46:06.5, etc.

MAN 29 13:40:06, 16:13N, 120:66E, h91km, mb4.3, ML3.1, MS2.9, Luzon

Code Station Name Az Az' Phase ID Time Res h m s ISC

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, and various station identifiers. Includes stations like Topopah Spring, Nanjing, Boulder Array, Pinedale Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, and various station identifiers. Includes stations like ISK 29 13:58:20.5, CSEM 29 13:58:21.7, DDA 29 13:58:22.2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, and various station identifiers. Includes stations like TURN, KARP, KARPH, KARPH, KARPH, etc.



Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like THRS Thira Island, APE Apeiranthos, KZIL AFYON Kizoren, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like RCY Rachaya, SLDI Saf'it, KOT Kottamia, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like SENIN Lac Senin/Sane, GEYT Alibeck, FINES FINES Array B, etc.







Table with columns for station name, frequency, power, and other technical details. Includes stations like TYV Tyumovskoe, HABR Khabarovsk, MJAJO Matsu Arr-Jrjo, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like AAK Ala-Archa, KKK Kakanj, PKI Pulchokki, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like IDC 29 16:51:41.7, KMSI Cibinong, LBMI Labuha, etc.





Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like Mountain View, Chumby, Wyandotte Cave, etc.

CSEM 29 17:03:49.7, 33.65N, 35.71E, h4km, ML2.4

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Res. Includes stations like Qaraoun, Deir Qamar, Rachaya, etc.

ATA 29 17:06:17.5, 1.0, 38.45N, 43.25E, h41km, 5km, ML3.2, MW3.2

CSEM 29 17:06:18.9, 0.2, 38.66N, 43.28E, h2km, MD2.8, Error

DDA 29 17:06:18.2, 38.66N, 43.25E, h7km, ML2.9

ISC 29 17:06:19.2, 38.67N, 0.02, 43.29E, 0.02, h11km, 7km, n45, c135/65, 2D, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Res. Includes stations like Van, Erzurum, Erzurum-Van, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Res. Includes stations like Baskale, Diyadin, Hanur-Agry, etc.

TRN 29 17:09:32.6, 13.06N, 60.66W, h39km, MD3.6, Windward Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Res. Includes stations like St. Vincent, Fort Charlotte, Crater Summit, etc.

ISCJTB 29 17:14:29.1, 0.4, 49.89N, 0.03, 18.38E, 0.03, h0km, Error

CSEM 29 17:14:30.2, 0.2, 49.87N, 18.42E, h2km, ML2.8/1, Error

VIE 29 17:14:31.6, 0.6, 49.75N, 18.39E, h0km, mb2.2/4, ML2.6/5, Error

PRU 29 17:14:31.6, 49.90N, 18.40E, h0km

ISC 29 17:14:30.1, 0.7, 49.88N, 0.03, 18.43E, 0.02, h0km, n42, c083/82, 4D, Czech and Slovak Republics

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Res. Includes stations like Ostrava-Krasne, Moravsky Berou, Ojcow, etc.

DPC Dobruska-Polom 1.44 290 Pg Sb

SMOL Smolenice 1.52 206 ePn Pn

SMOL Smolenice 1.52 206 ePn Pn

KSP Ksiaz 1.68 306 ePg Pg

UPC Upice 1.68 293j ePg Pg

STHS Stebnicka Huta 1.89 103 ePg Pg

KECS Kecovo 1.94 135 ePg Pg

KECS Kecovo 1.94 135 ePg Pg

GOPE GO Pecny, Ondr 2.36 272 ePg Pg

PRU Pruhonice 2.52 274 Pg Pg

PVCC Panska Ves 2.57 286j ePn Pn

PVCC Panska Ves 2.57 286 Pg Pg

PVCC Panska Ves 2.57 286 Pg Pg

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Res. Includes stations like CONA, BRG, KHC, ARS, MOA, COL, CLL, etc.

CSEM 29 17:23:58.0, 37.62N, 20.57E, h22km, ML2.1/6

ATH 29 17:23:58.0, 37.62N, 20.57E, h22km, 1km, ML2.1/6, Error

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Res. Includes stations like Anninata, Valsamata, Vitiueika, etc.

DRO Drossia 0.96 70 P S

DRO Drossia 0.96 70 P S

DRO Drossia 0.96 70 P S

LKD2 Lefkada island 1.17 3 P S

LKD2 Lefkada island 1.17 3 P S

ITH Ithomi 1.17 112 P S

PYL PYLOS 1.19 127 P P

PVO Paravola 1.25 37 P P

LAKA Lakka 1.27 61 P P

KLK Kalavryta, Ach 1.32 71 P P

TRIZ Trizonia 1.40 58 P P

SERG Sergoula 1.42 56 P P

GUR Gaura 1.44 77 P P

ANX Ano Chora 1.44 47 P P

ANX Ano Chora 1.44 47 P P

ANX Ano Chora 1.44 47 P P

KALE Kalithea 1.46 58 P P

DSL Palaion Diasei 1.56 15 P P

IGL Igoioumitsa 1.92 355 P P

KEK Kerkira 2.17 344 P P

KEK Kerkira 2.17 344 P P

ISC 29 17:33:13.5, 38.77N, 43.38E, h20km, MD2.3

CSEM 29 17:33:14.9, 0.2, 38.79N, 43.42E, h5km, MD2.3, Error

DDA 29 17:33:14.7, 38.79N, 43.50E, h7km, ML2.8

ISC 29 17:33:15.6, 1.0, 38.79N, 0.03, 43.42E, 0.03, h13km, 7km, n24, c192/73, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Res. Includes stations like Van, Erzurum, Erzurum-Van, etc.



29d 17h

SRTM Siirt\_Merkez 142 236 i P Pg 17 33 42.2 -0.7
SRTM Siirt\_Merkez 142 236 P Pg 17 33 42.2 -0.7

ISCJB 29 17:42:19.9:0.3,58:19N:0.04:156:71W:0.09,h182km,
mb3.4/2, Error ellipse: s-maj=7.7km s-min=3.8km az=36.7
NEIC 29 17:42:21.2:1.0,58:10N:156:67W,h182km,MG3.3(AEIC),
After AEIC,

IDC 29 17:42:23.5:4.6,58:37N:156:27W,h172km,19km,mb3.1/3,
mb3.1/3,mb1mx3.0/47,mbtmp3.6/6, Error ellipse:
s-maj=54.1km s-min=18.6km az=80.0

ISC 29 17:42:21.2:1.0,58:20N:0.06:156:64W:0.07,h182km,
n73.0:128/79,Alaska Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data.

BUI 29 17:43:25.3:4.68S:102:10E,h61km,mb5.2/69,mb5.3/55,
MS5.1/71,Ms7.4/8/69
MOS 29 17:43:27.1:1.1,4:14S:102:33E,h42km,mb5.5/45,
MS4.6/6, Error ellipse: s-maj=9.8km s-min=4.8km
az=117.6

NEIC 29 17:43:28.0:0.6,4:32S:102:18E,h48km,4km,mb5.3/66,
Error ellipse: s-maj=5.8km s-min=3.4km az=45.0

NEIC Felt [V] at Bengkulu and [III] at Kapahiang,
GCMT 29 17:43:28.0:1.1,4:51S:101:99E,h46km,MW5.3/103,
Moment Tensor Solution: s103,c177, s98,c167,
Duration: 111 Moment tensor: Scale 101/N/m;

M0=0.94±0.02; M1=0.49±0.01; M2=0.45±0.02; M3=0.61±0.02;
M4=0.52±0.01; M5=0.42±0.02; Best double couple:
Mo1.21900x1017 Np1.3x128.00000°,δ64.00000°,
λ85.00000°. NP2.3x320.00000°,δ27.00000°,λ101.00000°.
Principal axes: T 1.2000,Plg71.0000°,Az26.0000°; N
0.0390,Plg5.0000°,Az130.0000°; P -1.2390,
Plg19.0000°,Az222.0000°; nsta2 refers to body waves,
cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISCJB 29 17:43:28.0:0.4,4:33S:103:102:14E:0.02,h57km,3km,
mb5.2/136,MS4.7/51, Error ellipse: s-maj=5.0km
s-min=9.6km az=40.9

IDC 29 17:43:28.1:0.6,4:26S:102:25E,h37km,4km,mb4.8/34,
mb1.4/8.35,mb1mx4.8/41,mbtmp5.0/35,ML4.3/1,MS4.5/31,
Ms1.4/5.31,ms1mx4.4/36, Error ellipse: s-maj=13.7km
s-min=7.1km az=50.0

DJA 29 17:43:29.0:0.4,4:33S:110:2E,h39km,6km,Ms5.3/24,
mb5.6/24,mb5.6/20,MLV5.8/14,Mh(mB)5.1/20

KLM 29 17:43:30.3:4:28S:101:87E,h56km,mb5.3,
ISC 29 17:43:28.0:0.3,4:39S:103:102:09E:0.03,h46km,2km,
h46km;p-P,n816,e1945/866,mb5.2/147,MS4.6/52,
44C-30D,Southern Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data.

2011 NOV

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data.





R35A	Emporia Municipi	142.34	24	P	PKPpre	18 02 52.5
AMTX	Amarillo	142.51	33	ePKPpre	PKPpre	18 02 48.0
AMTX	Passleys Farm,	142.56	16	P	PKPpdf	18 02 56.1 -0.8
Q38A	Cooks Store, C	142.75	20	P	PKPpre	18 02 53.0
Q34A	Sugar Creek Fa	142.81	14	P	PKPpre	18 02 53.4
O35A	Otter Creek Ra	142.84	25	P	PKPpre	18 02 53.3
R37A	Teagarden Farm	142.88	22	P	PKPpre	18 02 53.0
Q39A	Willow Grove F	142.89	20	P	PKPpre	18 02 53.7
P41A	Barry, Barry	142.91	17	P	PKPpre	18 02 53.3
T34A	McCasky Farm	143.02	26	P	PKPpre	18 02 53.9
S36A	Lake Cedric, C	143.09	24	P	PKPbc	18 02 54.4 -0.2
P42A	Winchester	143.20	16	P	PKPbc	18 02 54.4 -0.4
Q40A	Laux Farm, Aux	143.23	19	P	PKPab	18 02 54.3 +0.5
R38A	Fenwick Farm,	143.33	21	P	PKPab	18 02 54.0 -0.1
P43A	Knaggs, Pawnee	143.37	15	P	PKPbc	18 02 54.9 -0.5
T35A	Sooner Cattle	143.40	25	P	PKPab	18 02 54.8 +0.3
R39A	Chumby, Stover	143.53	20	P	PKPab	18 02 54.9 0.0
CPUP	Villa Florida	143.53	212	PKP	PKPpdf	18 02 57.7 -1.2
CPUP	Villa Florida	143.53	212	ePKIKP	PKPbc	18 02 57.2 +1.0
CPUP	Villa Florida	143.53	212	ePKPpdf	PKPbc	18 02 57.2 +1.0
O47A	Sheridan	143.54	11	P	PKPbc	18 02 55.6 -0.2
T36A	Boggs Farm, Ca	143.55	25	P	PKPbc	18 02 55.7 -0.3
N59A	State Game Lan	143.58	357	P	PKPab	18 02 55.3 +0.2
P44A	Sand Creek, Wi	143.76	14	P	PKPab	18 02 55.9 +0.1
U35A	Pawnee	143.77	26	P	PKPab	18 02 56.1 +0.2
U35A	Pawnee	143.77	26	ePKPpre	PKPab	18 02 55.8 -0.1
Q42A	Golden Eagle	143.77	17	P	PKPbc	18 02 56.3 -0.2
R40A	Maddies Station	143.81	19	P	PKPab	18 02 55.7 -0.3
S38A	Stockton	143.82	22	P	PKPab	18 02 55.5 -0.6
P45A	Graceland, Par	143.91	13	P	PKPab	18 02 56.3 0.0
Q46A	Rosedale	143.94	12	P	PKPab	18 02 56.5 +0.1
P47A	New Douglas	143.98	16	P	PKPab	18 02 56.6 0.0
S39A	Bolivar	143.98	21	P	PKPab	18 02 56.2 -0.5
R41A	Rosebud	144.09	18	P	PKPab	18 02 56.6 -0.4
U36A	Oologah	144.18	25	P	PKPab	18 02 57.2 -0.2
Q48A	Meyer Farm, Va	144.19	15	P	PKPab	18 02 57.2 -0.2
T34A	Diamond	144.20	23	P	PKPab	18 02 56.8 -0.8
V35A	Meyer Ranch, C	144.23	27	P	PKPab	18 02 57.5 -0.2
V35A	Meyer Ranch, C	144.23	27	ePKPpdf	PKPab	18 02 57.3 -0.4
P47A	Martinsville	144.25	11	P	PKPab	18 02 57.6 0.0
O56A	Blue Knob Stat	144.28	1	P	PKPab	18 02 57.8 +0.1
R42A	Luebbering	144.28	17	P	PKPab	18 02 57.0 -0.7
BDFB	Brasilia	144.33	235	PKP	PKPpdf	18 03 00.8 +0.1
BDFB	Brasilia	144.33	235	ePKPpdf	PKPbc	18 03 00.5 -0.2
BDFB	Brasilia	144.33	235	ePKPpdf	PKPbc	18 03 00.5 -0.2
S40A	Lebanon	144.35	20	P	PKPab	18 02 57.5 -0.6
OK020	N3560 Road, Pr	144.40	27	ePKPpdf	PKPab	18 02 57.6 -0.7
OK021	N3540 Road, Me	144.41	27	ePKPpdf	PKPab	18 02 57.9 -0.4
Q45A	Warren Harvey,	144.41	14	P	PKPab	18 02 57.8 -0.5
U37A	Salina	144.42	24	P	PKPab	18 02 58.2 -0.1
O46A	CEJHS Indians,	144.47	13	P	PKPab	18 02 58.4 -0.1
OK022	N3560 Road, Pr	144.49	27	ePKPpdf	PKPab	18 02 58.2 -0.4
BLO	Bloomington	144.51	12	ePKPpdf	PKPab	18 02 58.2 -0.4
BLU	Bloomington	144.51	12	ePKPpdf	PKPab	18 02 58.2 -0.4
MVL	Millersville	144.52	358	ePKPpdf	PKPab	18 02 58.3 -0.3
R43A	Red Bud	144.54	16	P	PKPab	18 02 57.8 -0.9
T39A	Cleaver	144.56	22	P	PKPab	18 02 58.1 -0.7
W35A	Tecumseh	144.72	27	P	PKPab	18 02 59.1 -0.4
W35A	Tecumseh	144.72	27	ePKPpdf	PKPab	18 02 58.9 -0.6
S42A	Caledonia	144.75	18	P	PKPab	18 02 58.8 -0.8
T40A	Mansfield	144.75	20	P	PKPab	18 02 58.8 -0.8
Q47A	Bedord North L	144.75	12	P	PKPab	18 02 59.1 -0.3
R44A	Watsonville	144.79	15	P	PKPab	18 02 59.1 -0.5
V37A	Hubert	144.86	25	P	PKPab	18 02 59.6 -0.4
R45A	Skyler, Fairri	144.96	14	P	PKPab	18 02 59.7 -0.5
H48A	Hobbs	145.04	23	ePKPbc	PKPab	18 02 59.5 -1.0
W36A	Wetumka	145.02	27	P	PKPbc	18 03 00.2 -0.4
W36A	Wetumka	145.02	27	ePKPbc	PKPbc	18 03 00.2 -0.4
U39A	Green Forest	145.09	22	P	PKPbc	18 03 00.1 -0.7
T41A	Mountain View	145.11	20	P	PKPbc	18 03 00.3 -0.5
SDMD	Soldier's Dell	145.13	359	ePKPbc	PKPbc	18 02 60.0 -0.8
S43A	Fulton Ridge	145.15	17	P	PKPbc	18 02 59.9 -1.1
V38A	Canehill	145.18	24	P	PKPbc	18 03 00.3 -0.8
TX31	Lajitas Ar. Si	145.21	42	ePKPbc	PKPab	18 03 01.6 0.0
LTX	Lajitas	145.21	42	ePKPbc	PKPab	18 03 02.1 +0.3
LTX	Lajitas	145.21	42	ePKPbc	PKPab	18 03 02.1 +0.3
TXAR	Lajitas Array	145.21	42	ePKPbc	PKPab	18 03 02.1 +0.3
R46A	Gibon Southern	145.22	13	P	PKPbc	18 03 00.6 -0.5
S44A	Carbondale	145.27	16	P	PKPbc	18 03 00.7 -0.6
HPIG	Drake	145.29	47	ePKPbc	PKPbc	18 03 01.8 -0.1
X35A	Drake	145.29	28	P	PKPbc	18 03 00.9 -0.6
X35A	Drake	145.29	28	ePKPbc	PKPbc	18 03 01.0 -0.5
ABTX	Abilene, Hawle	145.33	33	PKPbc	PKPbc	18 03 01.7 0.0
ABTX	Abilene, Hawle	145.33	33	ePKPbc	PKPbc	18 03 01.6 -0.2
T42A	Van Buren	145.34	19	P	PKPbc	18 03 01.1 -0.4
U40A	Yellville	145.34	21	P	PKPbc	18 03 01.0 -0.6
W37B	Quinton	145.37	26	P	PKPbc	18 03 01.5 -0.2
W37B	Quinton	145.37	26	ePKPbc	PKPbc	18 03 01.3 -0.4
USIN	University of	145.41	14	ePKPbc	PKPbc	18 03 01.2 -0.6

X36A	Centrahoma	145.44	27	P	PKPbc	18 03 01.7 -0.3
S45A	Carrier Mills	145.46	15	P	PKPbc	18 03 01.5 -0.4
WCI	Wyandotte Cave	145.46	12	ePKIKP	PKPbc	18 03 01.2 -0.7
WCI	Wyandotte Cave	145.46	12	ePKIKP	PKPbc	18 03 01.2 -0.7
V39A	Pettigrew	145.50	23	P	PKPpdf	18 03 01.4 -0.7
T43A	Greenville	145.54	18	P	PKPpdf	18 03 01.3 -0.8
Y35A	Marietta	145.66	29	P	PKPpdf	18 03 02.1 -0.3
S46A	Don Dixon Farm	145.67	14	P	PKPpdf	18 03 02.1 -0.1
U41A	Viola	145.69	20	P	PKPpdf	18 03 02.3 -0.1
T44A	Benton	145.74	17	P	PKPpdf	18 03 02.2 -0.2
PMBO	Poplar Bluff	145.78	18	ePKPpdf	PKPbc	18 03 02.2 -0.3
W38A	Poteau	145.82	25	P	PKPpdf	18 03 02.5 -0.1
V40A	Witts Springs	145.84	22	P	PKPpdf	18 03 02.6 -0.1
X37A	Clayton	145.86	26	P	PKPpdf	18 03 02.7 -0.1
X37A	Clayton	145.86	26	ePKPpdf	PKPbc	18 03 02.6 -0.1
U42A	Reverend	145.91	19	P	PKPpdf	18 03 02.9 +0.2
U39A	Magazine	146.01	24	P	PKPpdf	18 03 03.0 +0.1
Y36A	Durant	146.02	28	P	PKPpdf	18 03 03.1 +0.1
X38A	Whiteside	146.03	25	P	PKPpdf	18 03 03.3 +0.3
V41A	Mountainview	146.10	21	P	PKPpdf	18 03 03.4 +0.3
U43A	Recto	146.16	18	P	PKPpdf	18 03 03.3 +0.2
U45A	Portageville	146.25	17	P	PKPpdf	18 03 03.5 +0.2
Y37A	Hugo	146.26	27	P	PKPpdf	18 03 03.8 +0.4
W40A	Ferguson Farm,	146.29	23	P	PKPbc	18 03 04.0 -0.5
W40A	Ferguson Farm,	146.29	23	ePKPpdf	PKPbc	18 03 03.7 +0.3
W42A	Ferguson Farm,	146.35	20	P	PKPbc	18 03 04.2 -0.7
IP04	Greensprings	146.46	0	ePKPpdf	PKPbc	18 03 04.7 -0.2
X39A	Fountain Ranch	146.47	25	P	PKPbc	18 03 04.9 -0.2
Z36A	Blue Ridge	146.47	29	P	PKPbc	18 03 04.8 -0.4
CVRD	Centerville Ro	146.48	360	ePKPpdf	PKPbc	18 03 04.5 -0.5
WHAR	Woolly Hollow	146.50	22	ePKPpdf	PKPbc	18 03 04.1 +0.3
X301	Greenbrier Sit	146.50	22	ePKPpdf	PKPbc	18 03 04.5 -0.7
SPRD	Spring Road, M	146.52	360	ePKPpdf	PKPbc	18 03 04.5 -0.7
IP03	Louisville	146.53	0	ePKPpdf	PKPbc	18 03 04.9 -0.2
IP01	Cuckoo	146.59	0	ePKPpdf	PKPbc	18 03 04.2 +0.4
IP06	Yanceyville	146.61	0	ePKPpdf	PKPbc	18 03 04.3 +0.4
W41B	Gary Mavity, V	146.62	22	P	PKPbc	18 03 05.0 -0.0
MIAR	Mount Ida	146.66	24	ePKP2	PKPbc	18 03 04.8 -0.6
MIAR	Mount Ida	146.66	24	ePKP2	PKPbc	18 03 05.2 -0.5
U45A	Rockin P Farm,	146.66	16	P	PKPbc	18 03 05.2 -0.4
Y38A	Idabel	146.70	26	P	PKPbc	18 03 05.1 -0.7
IP05	Dowellville Churc	146.72	360	ePKPpdf	PKPbc	18 03 05.3 -0.4
W42A	Bald Knob	146.79	21	P	PKPbc	18 03 05.5 -0.4
JSRW	J. Sargeant Re	146.85	360	ePKPpdf	PKPbc	18 03 05.4 +0.3
Z37A	Pogue Cattle C	146.91	28	P	PKPbc	18 03 06.3 -0.2
UALR	University of	146.94	22	ePKPpdf	PKPbc	18 03 04.4 -0.1
Y39A	Lockesburg	146.97	25	P	PKPbc	18 03 06.2 -0.3
WHTX	Lake Whitney,	146.99	31	P	PKPbc	18 03 06.6 0.0
W40A	Basin Creek Fa	147.00	23	P	PKPbc	18 03 06.2 -0.4
136A	Ennis	147.07	30	P	PKPbc	18 03 06.3 -0.5
WVT	Waverly	147.12	15	ePKP2	PKPbc	18 03 06.7 -0.2
WVT	Waverly	147.12	15	ePKPbc	PKPbc	18 03 06.7 -0.2
X41A	Kaden, Bauxite	147.12	23	P	PKPbc	18 03 06.9 0.0
Z38A	Mt. Pleasant	147.15	27	P	PKPbc	18 03 07.0 -0.1
V45A	Humboldt	147.18	17	P	PKPbc	18 03 06.9 -0.2
W43A	Forest City	147.24	20	P	PKPbc	18 03 06.6 -0.7
Y40A	Okolona	147.24	24	P	PKPbc	18 03 06.9 -0.4
BLA	Blacksburg	147.25	4	ePKP2	PKPbc	18 03 07.0 -0.3
BLA	Blacksburg	147.25	4	ePKPbc	PKPbc	18 03 07.0 -0.3
X42A	Stuttgart	147.40	21	P	PKPbc	18 03 07.1 -0.6
236A	Katherine and	147.45	30	P	PKPbc	18 03 07.7 -0.3
W44A	Shelby Farms P	147.48	18	P	PKPbc	18 03 07.9 0.0
Z39A	Irene McRaven,	147.53	26	P	PKPbc	18 03 08.3 +0.2
WLAR	White Oak Lake	147.59	24	ePKPbc	PKPbc	18 03 08.3 0.0
138A	Matattal Ent	147.61	28	P	PKPbc	18 03 08.9 +0.5
Y41A	Eaglehead Beard	147.62	23	P	PKPbc	18 03 08.4 +0.1
W45A	Hickory Valley	147.66	17	P	PKPbc	18 03 07.4 -1.0
X43A	Marvell	147.69	20	P	PKPbc	18 03 08.5 0.0
336A	Riesel	147.78	31	P	PKPbc	18 03 09.2 +0.3
237A	Washetta, Mont	147.81	29	P	PKPbc	18 03 09.3 +0.4
435B	Jarell	147.86	33	P	PKPbc	18 03 09.1 -0.1
139A	Gunhouse Ranc	147.91	27	P	PKPbc	18 03 09.3 +0.1
X44A	Crenshaw	147.96	19	P	PKPbc	18 03 09.2 0.0
Z41A	Richard Creek	148.09	24	P	PKPbc	18 03 09.9 +0.3
PLAL	Pickwick Lake	148.14	16	ePKPpdf	PKPbc	18 03 05.3 -1.2
PLAL	Pickwick Lake	148.14	16	ePKPbc	PKPbc	18 03 08.4 -1.3
Z38A	Jacksonville	148.14	28	P	PKPbc	18 03 10.5 +0.7
OXF	Oxford	148.18	18	ePKP2	PKPbc	18 03 09.7 -0.1
OXF	Oxford	148.18	18	ePKPbc	PKPbc	18 03 09.7 -0.1
X45A	UM Field Stati	148.27	18	P	PKPbc	18 03 09.5 -0.6
140A	Carroll and Jess,	148.30	26	P	PKPbc</	





29d 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BERU Beregovo, TRPA Tarpa, BRIU Briu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JMA 29 18:39:31.6, 32:27N:129.77E, etc.

JMA 29 18:47:30.7, 0.5, 44.47N:147.09E, h0km, M3.1
MOS 29 18:47:31.9, 1.9, 44.49N:147.21E, h42km, mb3.9/4, Error ellipse: s-maj=19.5km s-min=13.3km az=89.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SHO Shikotan, SHO Shikotan, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KUR comp=E,96nm,0.2s, KUR comp=Z,149nm,0.2s, etc.

DDA 29 18:51:02.9, 36:01N:31:50E, h7km, ML2.7
ISCJB 29 18:51:06.0, 0.9, 35:96N:0:04:31:64E, 0:07, h10km, Error ellipse: s-maj=8.3km s-min=6.2km az=163.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AKMC Akamas, ALFC Alefka, etc.

JMA 29 18:55:58.1, 36:56N:137.73E, h2km, 1km, M1.2, Eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JNG Nsakai, MAT Matsushiro, etc.

ISK 29 19:02:57.7, 38:87N:43:57E, h20km, MD2.4
CSEM 29 19:02:58.7, 0.2, 38:91N:43:57E, h12km, ML2.8, Error ellipse: s-maj=4.9km s-min=3.9km az=113.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VMUR Van-Muradiye, ERVC ERCS-VAN, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TVAN Van, DYDN Diyadin, etc.

IDC 29 19:05:44.6, 1.8, 16:93S:174:95W, h0km, mb4.3/4, mb1 4.5/5, mb1mx3.9/29, mbtmp4.4/5, ML4.6/1, Error ellipse: s-maj=51.5km s-min=30.1km az=135.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AFI Afiamalu, URZ Urewera, etc.

ATH 29 19:08:47.9, 36:93N:29:32E, h9km, 2km, ML2.9/4, Error ellipse: s-maj=2.7km s-min=0.9km az=159.0

IDC 29 19:07:47.1, 1.4, 37:00N:29:28E, h0km, mb3.4/2, mb1 3.2/5, mb1mx3.1/36, mbtmp3.1/5, ML2.6/3, MS3.6/2, Ms1 3.6/2, ms1mx2.7/25, Error ellipse: s-maj=34.7km s-min=17.4km az=144.0

CSEM 29 19:08:48.0, 1.1, 36:87N:29:35E, h2km, ML3.2, Error ellipse: s-maj=2.5km s-min=1.9km az=159.0, Suspected Mining explosion.

DDA 29 19:08:48.5, 36:87N:29:32E, h7km, ML3.2, Suspected Mining explosion.

ISK 29 19:08:48.0, 36:88N:29:32E, h3km, MD3.0
THE 29 19:08:50.7, 36:79N:29:48E, h6km, 2km, ML3.0/4, Error ellipse: s-maj=3.1km s-min=0.7km az=98.0

ISC 29 19:08:48.5, 1.0, 36:85N:0:02:29:36E, 0:02, h9km, 8km, n93, c1506/118, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like FETY Fethiye, GLHS Gilhisar (BURDU), etc.

JMA 29 18:55:58.1, 36:56N:137.73E, h2km, 1km, M1.2, Eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KSL Kastellorizon, KSL Kastellorizon, etc.

ISK 29 19:02:57.7, 38:87N:43:57E, h20km, MD2.4
CSEM 29 19:02:58.7, 0.2, 38:91N:43:57E, h12km, ML2.8, Error ellipse: s-maj=4.9km s-min=3.9km az=113.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ISP Isparta, BODT Bodrum, etc.

Table with columns: KARP, Karpathos, 2.20 234 ePN, Pb, 19 09 26.7 -1.8, etc. Includes various station codes and coordinates.

DDA 29 19:10:04.8, 38.49N, 43.29E, h7km, M2.7
CSEM 29 19:10:05.4, 0.3, 38.53N, 43.27E, h2km, M2.7, Error ellipse: s-maj=8.3km s-min=6.4km az=125.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like TVAN, VANB, GEVA, etc.

ISK 29 19:20:37.5, 36.87N, 29.34E, h5km, MD2.7
ISCJB 29 19:20:38.9, 0.5, 36.87N, 29.34E, 0.04, h5km, 7km, Error ellipse: s-maj=6.1km s-min=4.2km az=145.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like GLHS, FETHIYE, GOLH, etc.

DDA 29 19:20:38.9, 36.89N, 29.30E, h7km, M2.5
ISC 29 19:20:39.2, 1.3, 36.89N, 29.33E, 0.02, h9km, 10km, n30, 0.682/42, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like ILRB, ILI, IMAR, etc.

ISC 29 19:21:31.5, 9.1, 1.88S, 14.09W, h0km, mb3.6/2, mb1 3.7/3, mb1mx3.3/4.1, mbtmp3.7/3, ML3.6/1, Error ellipse: s-maj=188.5km s-min=38.0km az=106.0, North of Ascension Island

Table with columns: DBIC, Dimbokro, 12.53 47 Pn, 19 24 31.1 -0.1, etc. Includes station codes and coordinates.

ISC 29 19:45:28.9, 1.4, 54.49N, 155.96W, h0km, mb3.4/5, mb1 3.6/7, mb1mx3.4/4.9, mbtmp3.4/7, ML3.6/2, Error ellipse: s-maj=34.9km s-min=26.5km az=6.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like CHGN, CHGN, OHAK, etc.

ISC 29 19:45:31.7, 1.1, 55.05N, 0.09, 155.19W, 0.07, h10km, n61, 0.199/63, mb3.5/5, South of Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like ANAK, ANAK, VNSG, etc.

ISC 29 19:45:32.0, 2.0, 55.11N, 0.05, 155.35W, 0.07, h10km, mb3.4/5, Error ellipse: s-maj=7.9km s-min=4.9km az=156.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like ANLA, ANLA, PSAA, etc.

NIED 29 20:01:00, 38.20N, 144.10E, h5km, Mw4.0 Best double couple: M9.580000\*10^4, NP1.360, 0.00000, 0.25, 0.00000, 1.124, 0.00000, NP2.216, 0.00000, 0.70, 0.00000, 1.76, 0.00000

ISC 29 20:01:22.0, 0.7, 38.04N, 144.33E, h0km, mb3.7/13, mb1 4.0/17, mb1mx3.9/4.3, mbtmp3.8/17, ML4.3/3, MS3.2/5, Ms1 3.2/5, ms1mx2.8/4.7, Error ellipse: s-maj=19.0km s-min=15.5km az=113.0

ISCJB 29 20:01:25.0, 0.4, 38.16N, 0.03, 144.16E, 0.04, h33km, mb3.9/16, MS3.5/2, Error ellipse: s-maj=5.0km s-min=4.4km az=14.2

JMA 29 20:01:26.1, 0.2, 38.17N, 144.10E, h37km, M4.4, Error ellipse: s-maj=10.2km s-min=7.8km az=98.0

ISC 29 20:01:27.0, 0.7, 38.13N, 144.16E, 0.07, h35km, n60, 0.192/72, mb3.9/16, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like OFUJ, OFUJ, JIO, etc.

Table with columns: JAH, Hinai, 3.43 308 P, 20 02 18.4 0.0, etc. Includes station codes and coordinates.

ISC 29 20:28:47.6, 1.6, 36.36N, 0.06, 142.12E, 0.1, h19km, mb3/2, Error ellipse: s-maj=17.7km s-min=7.5km az=12.4

JMA 29 20:28:47.6, 0.2, 36.35N, 142.21E, h7km, 5km, M2.6, Error ellipse: s-maj=253.0km s-min=74.3km az=139.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like JCH, JCH, JRY, etc.

ISC 29 20:28:47.8, 1.9, 36.29N, 0.06, 142.2E, 0.1, h9km, n18, 0.154/14, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like ARU, ARU, WRI, etc.

ISCJB 29 20:28:47.6, 1.6, 36.36N, 0.06, 142.12E, 0.1, h19km, mb3/2, Error ellipse: s-maj=17.7km s-min=7.5km az=12.4

JMA 29 20:28:47.6, 0.2, 36.35N, 142.21E, h7km, 5km, M2.6, Error ellipse: s-maj=253.0km s-min=74.3km az=139.0

ISC 29 20:28:47.8, 1.9, 36.29N, 0.06, 142.2E, 0.1, h9km, n18, 0.154/14, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like CHQJ, CHQJ, JHO, etc.

CSEM 29 20:33:30.8, 0.2, 38.74N, 43.52E, h10km, MD2.3, Error ellipse: s-maj=5.1km s-min=3.2km az=92.0

ISC 29 20:33:30.4, 38.73N, 43.48E, h7km, M2.3, Error ellipse: s-maj=6.5km s-min=3.6km az=3.7

DDA 29 20:33:31.2, 38.71N, 43.48E, h7km, M2.6, Error ellipse: s-maj=11.8, 9.9, 38.74N, 43.50E, 0.03, h10km, 7km, n28, 0.128/54, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like VANB, VANB, VANB, etc.



29d 20h

Table with columns: Code, Station Name, Az, El, P, S, Res. Includes entries like VMUR Van-Muradiye, ERCV ERCIS-VAN, CLDR Caldiran, etc.

BUI 29:20:34.41.0.59:70N:152:70W,h80km,mb4.6/30, mB4.9/21,Ms5.0/6,Ms7.4/7.8
MOS 29:20:34.43.0.8.59:82N:152:96W,h87km,mb4.5/18, Error ellipse: s-maj=11.0km s-min=6.3km az=86.1

NEIC 29:20:34.45.5.1.6.59:89N:152:87W,h78km,15km,mb4.1/27, mb1.4/232,mb1mx4.1/51,mb1mp4.4/32,MS2.7/2. Ms1.2/2.2,ms1mx2.4/41,Error ellipse: s-maj=11.9km s-min=8.9km az=13.0

NEIC 29:20:34.45.5.0.59:74N:152:67W,h91km,mb4.5/76, After AEIC. NEIC Felt (III) at Homer. Also felt at Anchorage, Anchor Point, Eagle River, Girdwood, Kaslof and Soldotna.

ISC 29:20:34.45.5.0.69:77N:152:68W,0.03,h91km,5km, n528,s192b/558,mb4.5/104,5C-1D,Southern Alaska

Table with columns: Code, Station Name, Az, El, P, S, Res. Includes entries like RED Redoubt Volcan, RDWB Redoubt West, RDWH Redoubt West, etc.

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Table with columns: Code, Station Name, Az, El, P, S, Res. Includes entries like GRIN Grindle Hills, KHIT Paxson, PAX Paxson, etc.

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Table with columns: Code, Station Name, Az, El, P, S, Res. Includes entries like MSO Missoula, CHMT Chamberlain Mo, EGMT Eggleston, etc.





Table with columns: CMIG, Matias Romero, 3.17 321 P, Pn, 22 06 15.9 +0.4, etc. Lists various stations and their coordinates.

Table with columns: ILAR, Eielson Array, 61.97 337 eP, P, 22 15 57.9 +0.2, etc. Lists stations in the ILAR region.

22 15 57.9 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Lists station details for the 22 15 57.9 +0.2 region.

22 15 57.9 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Lists station details for the 22 15 57.9 +0.2 region.

22 15 57.9 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Lists station details for the 22 15 57.9 +0.2 region.

22 15 57.9 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Lists station details for the 22 15 57.9 +0.2 region.

22 15 57.9 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Lists station details for the 22 15 57.9 +0.2 region.

22 15 57.9 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Lists station details for the 22 15 57.9 +0.2 region.

22 15 57.9 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Lists station details for the 22 15 57.9 +0.2 region.

22 15 57.9 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Lists station details for the 22 15 57.9 +0.2 region.

Table with columns: YULB, Yu-li, 13.83 340 ePn, Pn, 22 35 36.6 +3.1, etc. Lists stations in the YULB region.

29d 23h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like RAMN Ramite, SONM Songoing Array, SONM Pci, etc.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual. Includes stations like BURAR Bucovina Array, VYDA Vanda, VYDA Vanda, etc.

MAN 29-23:53:11, 10.43N, 126.11E, h22km, mb5.3, ML4.2, MS4.5
MAN INTENSITY II - LORETO DINAGAT ISLAND SURIGAO DEL NORTE.
IDC 29-23:53:11, 1.2E, 8.209N, 126.14E, h50km, 25km, mb4.0/24, mb1.4/24, mb1mx4.0/50, mbtmp4.3/24, MS3.4/8, Ms1 3.4/8, ms1mx3.1/36, Error ellipse: s-maj=21.3km s-min=10.5km az=82.0

NEIC 29-23:53:15.0E 1.1, 10.26N, 126.11E, h89km, 11km, mb4.4/5, Error ellipse: s-maj=14.0km s-min=6.2km az=79.0
NEIC Fall III (PWS) at Loreto, Dinagat Island.
ISC 29-23:53:09.7, 1.4, 10.41N, 126.03E, h32km, 9km, n73, c1907/3, mb4.3/2, MS3.3/8, SC-5D, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual. Includes stations like SCPH Surigao, MSLP Maasin, MSLP Palo, etc.

1594

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual. Includes stations like KURK Kurchatov, TIXI Tiksi, ARU Arti, etc.

PGC 29-22:54:46.9, 1.7, 48.78N, 129.13W, h10km, MLSn2/9/8, Mw3.5/2, 238km wave of Tofino, Bc Vancouver Island, Canada Region, Vancouver Island region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual. Includes stations like NCHR NEPTUNE Canada, KEMF NEPTUNE Canada, EDB Eliza Dome, etc.

ISCJB 29-23:09:01.2, 1.4, 19.75S, 0.5, 178.5W, 0.3, h500km, mb3.7/7, Error ellipse: s-maj=77.9km s-min=6.2km az=153.1
IDC 29-23:09:03.8, 4.5, 19.86S, 178.48W, h22km, 46km, mb3.3/7, mb1 3.6/8, mb1mx3.3/30, mbtmp4.1/8, Error ellipse: s-maj=23.8km s-min=23.2km az=153.0

ISC 29-23:09:02.3, 1.4, 19.65S, 0.5, 178.5W, 0.3, h500km, n12, c1916/13, mb3.8/7, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual. Includes stations like DZM Mont Dzumac, STKA Stephens Creek, WRA Warramunga Arr, etc.

MAN 29-23:25:11, 9.36N, 125.66E, h1km, mb4.5, ML3.3, MS3.2, 2C-10, Mindanao

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual. Includes stations like SCPH Surigao, MSLP Maasin, MSLP Palo, etc.

MEX 29-23:32:34.3, 0.3, 26.12N, 111.82W, h10km, 4.7km, MD3.8, Gulf of California

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual. Includes stations like SRIG Santa Rosalia, SRIG Guaymas, GUYB Guaymas, etc.

ISCJB 29-23:44:21.8, 0.9, 19.98S, 0.0, 176.08W, 0.0, 1.82km, 8km, mb4.9/188, Error ellipse: s-maj=5.2km s-min=2.3km az=142.7
BUJ 29-23:44:26.9, 19.84S, 175.60W, h239km, mb4.7/31, n85, 1/23

MOS 29-23:44:27.3, 1.5, 19.93S, 176.05W, h229km, mb4.8/34, Error ellipse: s-maj=10.0km s-min=8.2km az=158.3
IDC 29-23:44:27.0, 5.0, 20.00S, 176.03W, h272km, 4km, mb4.4/30, mb1 4.5/31, mb1mx4.5/43, mbtmp5.0/31, Error ellipse: s-maj=10.4km s-min=8.4km az=141.0

NEIC 29-23:44:28.4, 0.3, 20.00S, 176.09W, mb4.8/138, Error ellipse: s-maj=4.5km s-min=2.8km az=139.0
GCMT 29-23:44:28.4, 0.3, 20.00S, 175.65W, h229km, 2km, MW5.1/68, Moment Tensor, s46, c58; s68, c89; Duration: 0 Moment tensor: Scale 1019Nm; Mr1: 8.9; 18; Mw: 3.2; 19; Ms: 1.4; 19; Ms: 0.5; 18; Mw: 0.5; 18; Ms: 1.3; 14; Best double couple: M4: 78600\*10^10 Np1: 3.14, 0.0000; 863.0000; 1.41, 0.0000; NP2: 2.44, 0.0000; 856.0000; 1.33, 0.0000; Principal axes: T 6.1220, Plg46.0000; Azm96.0000; N -2.6830, Plg44.0000; Azm285.0000; P -3.4490, Plg5.0000; Azm190.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual. Includes stations like ISC 29-23:44:27.0, 3.0, 20.15S, 0.0, 175.93W, 0.04, h231km, 2km, mb4.2/22, mb1 p632, c1935/19, mb4.8/186, 30C-19D, Tonga Islands





Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like KSH Kashi, BRVK Borovoye, ARCS ARCS Array B, etc.

Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like PRA Prague, PRU Pruhonice, ARCS ARCS Array B, etc.

Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like TURN Turunc, ARCS ARCS Array B, etc.

ATH 30 00:00:58.6, 37.19N, 22.04E, h7km, 3km, ML0.2/1, Error ellipse: s-maj=4.0km s-min=1.6km az=78.0, Southern Greece

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like OFUJ Ofunato, JIO Ouri, etc.

NIED 30 00:03:00, 38.10N, 144.60E, h8km, Mw3.7, Best double couple: M3.91000x1014 NP1.3x25.00000, delta 0.2300000, lambda -85.00000, NP2.0x199.00000, delta 0.2670000, lambda -92.00000

JMA 30 00:03:31.0, 42.0, 32.086N, 144.63E, h43km, M3.9, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like OFUJ Ofunato, JIO Ouri, etc.

IDC 30 00:04:53.8, 2.0, 6.76S, 129.64E, h0km, mb4.0/1, mb1 3.9/4, mb1mx3.6/35, mbtmp3.8/4, ML3.7/3, Error ellipse: s-maj=87.5km s-min=26.9km az=77.0, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, etc.







30d Oh

Table with columns: PVM, PVM, comp, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like Marble Bar, Yuzh-Kuril'sk, Yuzh-Sakhalins, etc.

2011 NOV

Table with columns: PALK, Pallekele, Frequency, Band, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like Pallekele, Irkutsk, Srisaillam, etc.

1600

Table with columns: BOD, Bodaibo, Frequency, Band, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like Bodaibo, Mangalore, Poona, etc.



30d Oh

Table with columns: Call Sign, Frequency, Power, Mode, and other details. Includes stations like KIV, NEY, GEVA, TUTA, etc.

2011 NOV

Table with columns: Call Sign, Frequency, Power, Mode, and other details. Includes stations like AFI, SVW2, ELBS, etc.

1602

Table with columns: Call Sign, Frequency, Power, Mode, and other details. Includes stations like COLA, ANTO, ANTO, etc.





1605

Table with columns: MOD, BMO, BMO, Blue Mountains, 101.17, 37, PFAKE, LR, LR, 00 45 01.4 -3.7, 00 41 10.0 +1.2, etc.

2011 NOV

Table with columns: PBDV, ULM, Barranco-do-Ve, 107.71, 318, eSS, SS, PKIKP, 01 01 05.1 +0.3, 00 45 34.2 -0.4, etc.

30d 0h

Table with columns: CMLA, comp=Z, 3um, 21.0s, LR, LR, S35A, Otter Creek Ra, 117.56, 31, P, PKPdf, 00 45 53.7 0.0, etc.





CSEM 30 00:46:10.4-0.8, 36.39N-25.43E, h12km, 4km, ML1.0, Error ellipse: s-maj=31.1km s-min=21.4km az=71.0

ATH 30 00:46:11.2, 36.39N-25.42E, h9km, 2km, ML1.0/2, Error ellipse: s-maj=4.3km s-min=2.2km az=87.0

THE 30 00:46:12.1, 36.40N-25.40E, h2km, 1km, ML1.0/2, Error ellipse: s-maj=1.1km s-min=0.3km az=182.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like THR3 Thira Island, THR7 Fira-Santorini, etc.

NSCC 30 00:46:59.2±1.7, 39.25N-45.30E, h0km±184km, ML4.5 ISN 30 00:47:13.7±1.0, 38.94N-43.50E, h0km±46km, ML5.0

NEIC 30 00:47:21.8±0.0, 38.47N-43.45E, h4km, mb4.9/66, ML5.0 (ISK), MN4.9 (TEH), After ISK

GCMT 30 00:47:21.8±0.4, 38.34N-43.32E, h28km, 1km, MW5.4/68, Moment Tensor Solution, s7, c8; s68, c97; Duration: 1±2

MOS 30 00:47:22.8±1.4, 38.41N-43.41E, h16km, mb5.0/50, Error ellipse: s-maj=4.5km s-min=3.2km az=104.1

ISCJB 30 00:47:22.1±0.3, 38.45N-01.43, 38E-01.01, h6km, 2km, mb4.7/115, MS4.9/8, Error ellipse: s-maj=1.9km

AZER 30 00:47:22.8±0.5, 38.42N-43.38E, h3km, 14km, Error ellipse: s-maj=15.4km s-min=4.6km az=58.0

CSEM 30 00:47:23.0±0.1, 38.48N-43.37E, h5km, mb4.7/25, Error ellipse: s-maj=3.1km s-min=2.2km az=173.0

TEH 30 00:47:23.0±1.1, 38.29N-43.78E, h5km, mb4.7/1, Error ellipse: s-maj=26.2km s-min=5.4km az=74.0

ISC 30 00:47:23.0±0.5, 38.49N-01.43, 35E-01.1, h10km, 3km, n853, c1991/936, mb4.8/122, MS4.7/8, 85C-72D, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TVAN Van, ERVC ERIS-VAN, BASK Baskale\_VAN, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AGRB Hanur-Agry, SRTM Siirt\_Merkez, EKAR Karacoban, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PTK Pentek, GANJ Ganja, SVRC Sivrice-ELAZID, etc.

30d Oh

Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like NCK, NALCHIK, GAZ, etc.

2011 NOV

Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like BHL, BHANNES, NSR, etc.

1608

Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like VTS, VITOSHKA, AKTO, etc.

1609

Table with columns for station call letters, station name, frequency, power, and signal strength. Includes stations like WSAR Wadi Sarin, VVHS Vyhne, JMDO Jabal Madar, etc.

2011 NOV

Table with columns for station call letters, station name, frequency, power, and signal strength. Includes stations like BRVK Borovoye, BVAV Borovoye Array, BVAR Borovoye Array, etc.

30d 0h

Table with columns for station call letters, station name, frequency, power, and signal strength. Includes stations like MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, etc.

30d 1h

Table with columns: CMAR, Chiang Mai Arr, 51.98, 96, P, P, 00 56 32.2 -1.0, etc. Includes various station codes and coordinates.

2011 NOV

Table with columns: RSSD, Black Hills, 92.64, 337, eP, P, 01 00 36.7 +0.9, etc. Includes station codes and coordinates.

1610

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes station codes and coordinates.

Error ellipse: s-maj=9.5km s-min=6.8km az=130.0

CSEM 30 01:11:59.0, 0.2, 14.71N-52.15E, h10km, mb4.4/7, Error ellipse: s-maj=8.1km s-min=6.7km az=141.0

ISC 30 01:11:59.0, 0.6, 14.76N-0.07, 52.14E, 0.07, h10km, n52, c167/55, mb4.1/17, Eastern Gulf of Aden

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BDHA Al Bayda, ATD Arta Tunnel, WSAR Wadi Sarin, etc.

Table with columns: CLDR, Station Name, Az, Phase ID, Time, Res. Includes stations like Caldian, Tuta, Diyyadin, etc.

Table with columns: ASTR, Station Name, Az, Phase ID, Time, Res. Includes stations like Astar, Gabala, Khinaliq, etc.

MAN 30 01:13:20, 10.35N-126.11E, h6km, mb4.3, ML3.2, MS3.0, 2D, Philippine Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SCLP Surigao, MSLP Maasin, PLP Palo, etc.

Table with columns: GDB, Station Name, Az, Phase ID, Time, Res. Includes stations like Artvin, Akh, AKH, etc.

Table with columns: BRTR, Station Name, Az, Phase ID, Time, Res. Includes stations like Keskin Arr, Barbar, Sala, etc.

ISK 30 01:16:58.3, 38.54N-43.28E, h5km, ML3.8

IASPEI 30 01:16:58.5, 1.1, 38.47N-0.02, 43.33E, 0.03, h7km, 7km, mb3.3/3, Error ellipse: s-maj=3.7km s-min=3.4km

az=104.6, GTS selection from ISC bulletin GTS identified by Bond'ir and McLaughlin (2009) selection criteria

Bond'ir and McLaughlin, A new ground truth data set for seismic studies, <i>Seism. Res. Let.</i>, <b>80</b> <b>6</b>, 465-472, 2009

DDA 30 01:16:58.5, 38.49N-43.33E, h9km, ML3.8

ISC 30 01:16:59.3, 1.1, 38.41N-43.49E, h0km, mb3.6/3, mb1.3, 5.1/1, mb1.3mx3.3/46, mbtmp3.4/11, ML2.8/7, Error ellipse: s-maj=2.0, 3km s-min=1.2, 4km az=136.0

CSEM 30 01:16:59.1, 0.2, 38.50N-43.34E, h2km, ML3.8, Error ellipse: s-maj=4.7km s-min=3.7km az=170.0

AZER 30 01:16:59.0, 0.7, 37.68N-43.56E, h17km, 11km, Error ellipse: s-maj=12.0km s-min=2.9km az=53.0

NSSC 30 01:17:02.4, 2.5, 38.36N-43.50E, h54km, 230km, ML3.0

ISC 30 01:16:58.9, 0.9, 38.45N-0.02, 43.37E, 0.02, h4km, 7km, n150, c26/0216, mb3.3/3, 27C-28D, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TVAN Van, GEVA Gevas, VMUR Van-Muradiye, etc.

Table with columns: EZZ, Station Name, Az, Phase ID, Time, Res. Includes stations like Erzincan, TBGL Delisi, BRDA Brd, etc.

Table with columns: ISK, Station Name, Az, Phase ID, Time, Res. Includes stations like TVAN Van, GEVA Gevas, VMUR Van-Muradiye, etc.

ISK 30 01:21:52.9, 38.46N-43.30E, h4km, MD2.4 DDA 30 01:22:49.7, 38.47N-43.36E, h6km, ML2.9 CSEM 30 01:21:53.0, 0.2, 38.44N-43.34E, h5km, ML2.9, Error ellipse: s-maj=4.5km s-min=3.4km az=79.0, Turkey

30d 1h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YOVA, HAKKARI, AGRB, etc.

IDC 30 01:27:43.1-0.5, 15:42N-119:27E, h0km, mb4.4/23, mb1 4.6/24, mb1mx4.5/36, mbmp4.4/24, MS4.1/7, MS1 4.1/7, ms1mx3.5/47, Error ellipse: s-maj=17.6km s-min=12.2km az=77.0

MAN 30 01:27:44.0, 15:43N-118:83E, h33km, mb4.6, ML3.5, MS3.5, BUJ 30 01:27:44.0, 15:40N-119:27E, h5km, mb4.5/45, mb5.1/34, MS4.7/33, MS7 4.4/29

NEIC 30 01:27:45.1-0.2, 15:35N-119:22E, h10km, mb5.0/37, Error ellipse: s-maj=8.8km s-min=5.1km az=69.0

NEIC Fell at Manila. GCMT 30 01:27:45.1-0.5, 15:53N-119:08E, h20km, 1km, MW5.0/61, Moment Tensor Solution: s22 c27: s61, c96; Duration: 0

Moment tensor: Scale 10^16Nm; M1-4.31e47; M2-1.06e25; M3-3.25e32; M4-0.64e54; M5-1.53e15; M6-0.01e61; Best double couple: M4,21800x1016 NP1=34.00000, 847.00000, lambda=81.00000; NP2: 200.00000, 843.00000, lambda=100.00000; Principal axes: T 4.0480, P1g2.0000, Azm118.0000; N 0.3410, P1g7.0000, Azm208.0000; P -4.3890, P1g3.0000, Azm11.0000; nsta1 refers to body waves, cutoff=400s. nsta2 refers to surface waves, cutoff=50s.

MOS 30 01:27:46.8-1.1, 15:40N-119:17E, h33km, mb5.0/28 Error ellipse: s-maj=11.6km s-min=6.0km az=119.2

ISCJB 30 01:27:48.0-0.5, 15:45N-102:119:27E, h45km, 5km, mb4.7/80, MS4.4/11, Error ellipse: s-maj=5.3km s-min=3.4km az=166.8

BKK 30 01:27:48.1-0.5, 15:19N-119:9E, h10km, ML4.1/17, mb4.7/8, mb4.5/17, Mw(mb)4.0/8

ISC 30 01:27:50.4-0.6, 15:36N-103:119:23E, h44km, 5km, n233, c2813/263, mb4.8/81, MS4.5/11, 21C-6D, Luzon

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BOLP, LUBP, TGAY, etc.

2011 NOV

Main station list table for 2011 NOV with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like XAN, KRAB, AAI, etc.

1612

Main station list table for 1612 with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ASAR, ASO1, DGZ, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BPAW Bear Paw Mtn., BR131 Keskin Array S, ARCES ARCES Array B, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ARXS 33nm,0.3s, KURS Kuram, KURS Kuram, SATY Saty, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TASSB TASSBURUN-IGDIR, TASSB TASSBURUN-IGDIR, MEX 30 01:39:55.4, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SOME 30 01:29:06.2, NNC 30 01:29:09.1, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ISK 30 01:38:17.5, ISK 30 01:38:17.5, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OKC Ostrava-Krasne, OKC Ostrava-Krasne, etc.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NGZ, Lake Taylor, Pokaka, etc.

ISK 30 03:02:06.6, 38.45N:43.28E, h5km, ML2.8
ISCJB 30 03:02:07.0, 0.4, 38.47N:0.02:43.35E:0.03, h6km, 3km,
Error ellipse: s-maj=4.2km s-min=3.6km az=7.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TVAN, VANB, GEVA, etc.

Table with columns: SVAN, Silvan-Diyarba, 1.70 260 ePn, P, 03 02 37.1 -1.6

NIED 30 03:08:00, 37.70N, 141.70E, h56km, Mw4.0 Best double
couple: M1.16000x10^15 NP1: 36.174, 0.00000, 328.00000,
0.96, 0.00000; NP2: 36.246, 0.00000, 362.00000, 0.87, 0.00000;

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JFK, Marumori, etc.

Honshu
JFK Kawauchi 0.76 245 Op P 03 08 31.2 -0.8
JFK Marumori 0.76 283 S S 03 08 41.1 -1.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MAJO, MAJU, etc.

ASAJ Asahikawa 6.45 6 P 03 09 48.5 -1.1
ASAJ Asahikawa 6.45 6 ePn P 03 09 48.4 -1.3
USRK Ussuriysk Arr 9.82 314 P 03 10 36.4 +0.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H1N1, H1N2, H1N3, etc.

MOS 30 03:23:00.1, 1.0, 14.28S:73.42W, h65km, mb5.1/19, Error
ellipse: s-maj=15.9km s-min=7.1km az=119.4
IDC 30 03:23:01.1, 1.5, 14.43S:73.44W, h69km, 13km, mb4.5/16,

Code Station Name Az Az' Phase ID Time Res
ARE Arequipa 2.74 133 iP S 03 24 45.5 +1.6
ARE Arequipa 2.74 133 eS Pn 03 24 15.1 -2.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ARE, AREQUIPA, etc.



M35A	Neola	59.41 341	P	P	03 32 55.7	-0.3
J41A	Loganville	59.61 346	P	P	03 32 56.6	-0.7
214A	Organ Pipe Nat	59.63 321	P	P	03 32 58.2	+0.4
214A	Organ Pipe Nat	59.63 321	eP	P	03 32 58.0	+0.2
M34A	Aspy Farms, Fr	59.73 340	P	P	03 32 56.8	-1.3
J40A	Soldiers Grove	59.81 346	P	P	03 32 57.4	-1.3
KSC0	Kaye Sheddock'	59.84 334	P	P	03 32 59.4	+0.3
X18A	Snowflake	59.84 326	eP	P	03 33 00.8	+1.4
L35A	Bielow Farm, R	59.95 341	P	P	03 32 58.6	-1.0
K37A	Belmond	59.98 343	P	P	03 32 58.3	-1.6
J39A	Decorah	59.99 345	P	P	03 32 58.3	-1.6
M33A	Taylor Creek F	59.99 340	P	P	03 32 59.0	-1.1
L34A	Svendsen Farm,	60.08 341	P	P	03 32 59.5	-1.0
SDC0	Great Sand Dun	60.08 331	P	P	03 33 01.4	+0.4
SDC0	Great Sand Dun	60.08 331	eP	P	03 33 01.5	+0.5
K36A	Gilmore City	60.09 342	P	P	03 33 00.2	-0.5
W18A	Petrified Fore	60.17 326	P	P	03 33 02.3	+0.8
W18A	Petrified Fore	60.17 326	eP	P	03 33 02.9	+1.3
BGNE	Belgrade	60.17 339	P	P	03 33 01.4	+0.2
BGNE	Belgrade	60.17 339	eP	P	03 33 01.5	+0.2
I41A	Arkdale	60.23 347	P	P	03 33 00.8	-0.8
I40A	Norwalk	60.25 346	P	P	03 33 00.8	-0.8
H42A	Shiocton	60.38 348	P	P	03 33 01.9	-0.9
K35A	Storm Lake	60.41 342	P	P	03 33 01.9	-0.9
I39A	Houston	60.43 345	P	P	03 33 02.1	-0.8
J37A	Redenius Farm,	60.46 343	P	P	03 33 02.1	-1.0
L33A	Hoskins	60.55 340	P	P	03 33 03.4	-0.4
K34A	Le Mars	60.64 341	P	P	03 33 03.7	-0.7
J36A	Seneca 1, Swea	60.70 343	P	P	03 33 04.1	-0.7
S22A	4UR Ranch, Cre	60.71 330	P	P	03 33 05.3	0.0
S22A	4UR Ranch, Cre	60.71 330	eP	P	03 33 06.3	+1.0
I13A	Mohawk Valley,	60.77 321	eP	P	03 33 06.3	+0.9
I38A	Scanlan Farm,	60.81 345	P	P	03 33 04.5	-1.0
Q24A	Divide	60.90 332	P	P	03 33 06.8	+0.2
Q24A	Divide	60.90 332	eP	P	03 33 07.4	+0.8
G43A	Wallace	60.93 349	P	P	03 33 06.4	+0.1
J35A	Milford	60.98 342	P	P	03 33 06.3	-0.4
I37A	Lemond, Waseca	61.07 344	P	P	03 33 06.0	-1.3
MVCO	Mesa Verde	61.12 329	P	P	03 33 08.2	+0.2
MVCO	Mesa Verde	61.12 329	eP	P	03 33 08.8	+0.8
Y14A	Wickenburg	61.14 323	eP	P	03 33 09.0	+1.0
K32A	Verdigris	61.23 340	P	P	03 33 07.9	-0.4
OGNE	Ogallala	61.23 336	P	P	03 33 08.6	0.0
OGNE	Ogallala	61.23 336	eP	P	03 33 08.5	0.0
I36A	Fitzsimmons Fa	61.24 343	P	P	03 33 07.7	-0.7
WUAZ	Wupatki	61.36 325	P	P	03 33 10.6	+0.1
WUAZ	Wupatki	61.36 325	eP	P	03 33 11.2	+1.6
I35A	Creekview Farm	61.37 343	P	P	03 33 08.6	-0.7
H38A	Maiden Rock	61.39 345	P	P	03 33 08.1	-1.3
K31A	O'Neill	61.46 339	P	P	03 33 09.5	-0.5
H37A	Dierke Farm, C	61.47 344	P	P	03 33 09.3	-0.7
J33A	Davis	61.48 341	P	P	03 33 09.4	-0.7
F41A	Three Lakes	61.67 348	P	P	03 33 09.9	-1.4
H36A	Jessenland, He	61.73 344	P	P	03 33 11.0	-0.7
ECSD	EROS Data Cent	61.75 341	P	P	03 33 11.1	-0.7
ECSD	EROS Data Cent	61.75 341	eP	P	03 33 11.2	-0.6
G38A	Ridgeland	61.75 345	P	P	03 33 10.5	-1.3
ISCO	Idaho Springs	61.79 332	P	P	03 33 12.5	-0.1
ISCO	Idaho Springs	61.79 332	eP	P	03 33 13.4	+0.8
ISCO	Idaho Springs	61.79 332	eP	P	03 33 13.4	+0.8
J32A	Parkston	61.82 340	P	P	03 33 11.6	-0.7
PV01	Paradox Valley	61.87 329	eP	P	03 33 14.2	+1.1
E43A	Lone Tree Farm	61.88 350	P	P	03 33 11.9	-0.8
Y12C	Blythe	61.91 322	P	P	03 33 13.1	-0.1
SMCO	Snowmass	61.92 331	eP	P	03 33 14.7	+1.1
SPMN	Marine on St.	62.04 345	P	P	03 33 12.9	-0.8
SPMN	Marine on St.	62.04 345	eP	P	03 33 13.2	-0.6
F40A	Park Falls	62.06 347	P	P	03 33 12.8	-1.1
I33A	Coleman	62.09 341	P	P	03 33 13.6	-0.5
H35A	Sunnyside Ranc	62.09 343	P	P	03 33 13.4	-0.8
E42A	Champion	62.10 349	P	P	03 33 13.5	-0.7
F39A	Loretta	62.23 346	P	P	03 33 14.2	-0.8
I32A	Karley and Nic	62.28 341	P	P	03 33 15.5	+0.1
G36A	St. Michael	62.29 344	P	P	03 33 15.1	-0.3
H34A	Spellman Lake,	62.34 342	P	P	03 33 15.1	-0.7
BC3	Big Chuckawall	62.40 321	P	P	03 33 17.6	+1.0
G35A	Watkins	62.48 343	P	P	03 33 15.9	-0.8
MONP2	Monument Peak	62.48 320	P	P	03 33 18.1	+0.8
F38A	Pierce - Schro	62.49 346	P	P	03 33 16.0	-0.8
BAR	Barrett	62.50 320	eP	P	03 33 18.8	+1.6
E40A	Wakefield	62.51 347	P	P	03 33 16.1	-0.8
IRM	Iron Mountain	62.56 322	P	P	03 33 18.8	+1.3
E39A	Mellen	62.59 347	P	P	03 33 16.5	-1.0
H33A	Prehn Over Nor	62.64 342	P	P	03 33 17.4	-0.4
H32A	Carlson Farm,	62.70 341	P	P	03 33 17.2	-1.0
F36A	Milaca	62.81 344	P	P	03 33 18.3	-0.7
G34A	Benson	62.82 343	P	P	03 33 18.3	-0.6
N23A	Red Feather La	62.83 333	P	P	03 33 20.3	+0.9
109C	Camp Elliot, M	62.91 319	P	P	03 33 20.5	+0.7
BELC	Belle Mtn. Jos	62.97 321	P	P	03 33 20.9	+0.5
XPFO	Pison Flat	62.99 320	eP	P	03 33 22.1	+1.6
PFO	Pinyon Flats O	62.99 320	P	P	03 33 21.2	+0.7
PFO	Pinyon Flats O	62.99 320	eP	P	03 33 22.1	+1.6
PFO	Pinyon Flats O	62.99 320	eP	P	03 33 22.1	+1.6
PFO	Pinyon Flats O	62.99 320	eP	P	03 33 22.1	+1.6
G33A	Swanville	63.02 342	P	P	03 33 19.7	-0.6
E38A	The Farm, Brul	63.03 346	P	P	03 33 18.9	-1.4
F35A	Swanville	63.09 344	P	P	03 33 20.6	-0.2
F34A	Alexandria	63.22 343	P	P	03 33 21.3	-0.3
KNB	Kanab	63.25 325	eP	P	03 33 24.1	+1.9
KNB	Kanab	63.25 325	eP	P	03 33 24.1	+1.9
O20A	White River Ci	63.27 331	P	P	03 33 22.5	+0.2
O20A	White River Ci	63.27 331	eP	P	03 33 23.3	+1.0
GMRC	Granite Mounta	63.30 322	P	P	03 33 22.6	+0.1
E36A	McGregor	63.36 345	P	P	03 33 22.1	-0.4
G32A	Webster	63.39 341	P	P	03 33 23.0	+0.2
MURC	Murrieta	63.44 320	P	P	03 33 23.4	0.0
LCMT	Little Creek M	63.48 325	eP	P	03 33 25.2	+1.5
F33A	5 Mile Ranch	63.56 342	P	P	03 33 23.2	-0.6
G31A	Conde	63.59 341	P	P	03 33 23.4	-0.7
SRU	San Rafael Swe	63.59 329	eP	P	03 33 25.6	+1.1
SRU	San Rafael Swe	63.59 329	eP	P	03 33 25.6	+1.1
E35A	Peculiar Lakes	63.69 344	P	P	03 33 24.2	-0.5
D37A	Cotton	63.73 346	P	P	03 33 24.6	-0.5
P18A	Preston Nutter	63.85 329	eP	P	03 33 27.5	+1.2
C39A	Grand Marais	63.86 348	P	P	03 33 24.9	-0.9
TUQ	Turquoise Moun	63.91 322	P	P	03 33 26.9	+0.4
CCUT	Cedar City	63.93 326	eP	P	03 33 27.8	+1.0
D36A	Goodland	63.95 345	P	P	03 33 25.9	-0.5
P17A	Butcher Ranch,	63.98 329	eP	P	03 33 28.1	+1.2
C38A	Sawbill Land.	64.01 347	P	P	03 33 26.0	-0.8
E33A	Wesley DABS, E	64.08 343	P	P	03 33 26.7	-0.6
TMUT	Trail Mountain	64.08 328	eP	P	03 33 29.0	+1.2
F31A	Hecla	64.17 341	P	P	03 33 27.5	-0.4
SHPR	Sheep Range	64.20 324	eP	P	03 33 30.1	+1.6
C37A	Embarrass	64.23 346	P	P	03 33 27.7	-0.5
EYMN	Ely	64.28 347	P	P	03 33 27.3	-1.2
GSC	Goldstone, Bar	64.34 322	P	P	03 33 29.6	+0.3
D34A	Park Rapids	64.39 344	P	P	03 33 28.5	-0.7
C36A	Pine Crest Far	64.41 346	P	P	03 33 28.8	-0.6
E32A	AnnSam, Waubun	64.47 342	P	P	03 33 29.8	0.0
K22A	Casper	64.51 334	P	P	03 33 30.2	-0.2
D33A	AnnSam, Waubun	64.62 343	P	P	03 33 30.2	-0.6
C35A	Jirik Farms, M	64.64 345	P	P	03 33 29.9	-0.9
E31A	Nome	64.68 342	P	P	03 33 30.7	-0.5
RSSD	Black Hills	64.70 336	P	P	03 33 31.6	-0.1
EDW2	Edwards Air Fo	64.78 321	P	P	03 33 32.5	+0.3
C34A	RKJ Ranch, Bem	64.83 344	P	P	03 33 31.4	-0.8
MPU	Maple Canyon	64.84 328	eP	P	03 33 34.5	+1.8
D32A	Deerwood Acres,	64.94 343	P	P	03 33 33.2	+0.3
LRMC	Laurel Mtn Rad	64.99 321	P	P	03 33 34.4	+0.8
NLU	Norway Lily Min	65.02 328	eP	P	03 33 35.3	+1.5
TPNV	Topopah Spring	65.14 323	P	P	03 33 35.4	+0.8
TPNV	Topopah Spring	65.14 323	eP	P	03 33 36.4	+1.8
TPNV	Topopah Spring	65.14 323	eP	P	03 33 36.4	+1.8
C33A	Trail	65.16 344	P	P	03 33 34.0	-0.3
FURC	Furnace Creek,	65.17 322	P	P	03 33 35.9	+1.0
B35A	Bob, Littlefor	65.19 345	P	P	03 33 33.6	-0.9
JLU	Jordanelle	65.19 329	eP	P	03 33 36.9	+1.9
MPMC	Manual Prospec	65.26 322	P	P	03 33 35.7	+0.3
B34A	Aery, Baudette	65.54 345	P	P	03 33 36.0	-0.6
TUCU	Toone Canyon	65.56 329	eP	P	03 33 39.0	+1.7
DUG	Dugway, Tooele	65.58 328	P	P	03 33 38.3	+1.0
DUG	Dugway, Tooele	65.58 328	eP	P	03 33 38.7	+1.4
DUG	Dugway, Tooele	65.58 328	eP	P	03 34 04.8	
DUG	Dugway, Tooele	65.58 328	eP	P	03 33 38.7	+1.4
DUG	Dugway, Tooele	65.58 328	eP	P	03 34 04.8	-3.5
B33A	Robert and Kat	65.58 344	P	P	03 33 36.7	-0.3
AGMN	Agassiz Nat	65.68 344	P	P		

30d 4h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like COLA College, RSO Redoubt South, NOA NORSAR Array B, etc.

IDC 30 03:25:46.1±3.6, 16:80S×175.08E, h0km, mb3.4/2, mb1 3.6/2, mb1mx3.4/17, mbtmp3.4/2, Error ellipse: s-maj=328.2km s-min=70.4km az=167.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, TORD Torodi Ar. Bea, etc.

ISC/JB 30 03:28:0.5, 42.89N±0.02, 78.36E±0.03, h7km, 3km, Error ellipse: s-maj=4.4km s-min=3.1km az=148.2, NNC 30 03:30:28.0±0.7, 43.09N±0.02, h0km, mp3.1, 1, Error ellipse: s-maj=18.6km s-min=2.0km az=172.0, KRNET 30 03:30:28.6±0.1, 42.92N±0.02, h35km, mb3.1, SOME 30 03:30:28.1±1.1, 42.88N±0.03, h3km±10km, n47, s1538/79, 31C-16D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SATY Saty, SATY 1, ZHN Zhiniskhe, PRZ Przheval'sk, etc.

2011 NOV

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MDOK Medeo, TNS5 Tian-Shan, IZV Izvestkoviy, etc.

WEL 30 04:00:03.0±0.2, 44.59S×168.33E, h5km, ML3.5/10.3D, Error ellipse: s-maj=1.6km s-min=1.3km az=0.0, South Island

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MSZ Milford Sound, WANAKA Wanaka, EARNSCLEUGH Earnsclough, etc.

1618

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FOZ, TUPEAKA, OTHUAHUA DOWNS, etc.

KRNET 30 04:02:57.8±0.1, 41.72N±78.15E, h19km, mb2.1, 12C-2D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PRZ Przheval'sk, ULHL Ulahol, BOOM Boomsokoye usch, etc.

IDC 30 04:06:14.6±13.0, 18:51N-121:93E, h0km, mb3.5/3, mb1 3.8/3, mb1mx3.4/46, mbtmp3.5/3, Error ellipse: s-maj=381.5km s-min=33.9km az=33.0, Luzon

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, WRA Warramunga Arr, ASAR Alice Springs, etc.

ROM 30 04:10:45.7±0.1, 43.18N±11.02E, h7km±1km, Md2.3/19, ML2±16.8, Error ellipse: s-maj=1.6km s-min=1.4km az=165.0

CSEM 30 04:10:45.6±0.1, 43.18N±10.98E, h5km, ML2.5/9, Error ellipse: s-maj=2.4km s-min=2.0km az=3.0, GEN 30 04:10:46.0±0.1, 43.15N±10.95E, h5km, ML2.0, LDG 30 04:10:46.5±0.1, 43.17N±11.03E, h2km, Md2.3/1, ML2.1/5, Error ellipse: s-maj=2.3km s-min=1.6km az=173.0

ISC 30 04:10:45.9±0.6, 43.17N±10.02±11.01E±0.02, h12km±5km, n72, s1518/99, Central Italy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TRIF Trifonti, FROS Frosini, SASS Sassa, CSNT Castellina Chi, etc.



30d 6h

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like DANN Dangsing, PYUN Uthuan, USRK Ussuriysk Ar., etc.

Table for MEX 30 04:31:49.0, 14.272N, 93.09W, h20km, 89km, MD3.9, listing stations like PCIG, CGIC, TGIG.

Table for MEX 30 04:39:05.8, 14.066N, 92.16W, h20km, 87km, MD3.9, listing stations like PCIG, CGIC, TGIG.

Table for IDC 30 04:42:22.9, 24.0, 17.615S, 178.63W, h620km, 219km, listing stations like WRA, ASAR, ILAR, BRTR.

Table for ISK 30 04:42:23.6, 37.54N, 29.86E, h2km, ML2.7, listing stations like WRA, ASAR, ILAR, BRTR.

Table for ISK 30 04:42:23.6, 37.54N, 29.86E, h2km, ML2.7, listing stations like BRDR, GOLH, GLHS, BCK, etc.

2011 NOV

Main table for 2011 NOV with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like ELL, ELL, KHL, KHL, BAGO, etc.

ECX 30 04:50:32.0, 3.0, 6.32, 191N, 115.27W, h7km, MD2.0, ML2.2, listing stations like MBIG, MBIG, CPBX, etc.

Table for ECX 30 04:50:32.0, 3.0, 6.32, 191N, 115.27W, h7km, MD2.0, listing stations like WESC, WESC, IKP, etc.

Table for IDC 30 04:50:30.1, 3.32, 225N, 106.115, 15W, h20km, 83km, listing stations like WRA, ASAR, KURBB, etc.

Table for BOLD Bolinao, CMAR Chiang Mai Arr, WRA Warramunga Arr, ASAR Alice Springs, KURBB Kurchatov Arr, listing stations like BOLD, CMAR, WRA, ASAR, KURBB.

NEIC 30 05:32:46.0, 6.0, 15.44N, 119.27E, h10km, mb4.5/6, Error ellipse: s-maj=9.0km s-min=5.4km az=71.0, listing stations like WRA, ASAR, KURBB.

Table for SCZP Santa Cruz, BOLP Bolinao, CAUP Cayman, TGy Tagaytay City, listing stations like SCZP, BOLP, CAUP, TGy.

Table for BALP Baler, CAUP Cayman, APYV Conner, SJMP San Jose, ENPP El Nido, SRDT SRDT, listing stations like BALP, CAUP, APYV, SJMP, ENPP, SRDT.

Table for UMPA Umpang Tak, CM01 Chiang Mai Arr, CMAR Chiang Mai Arr, listing stations like UMPA, CM01, CMAR.

1620

Table for 1620 with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like SONM Sogingo Array, WRA Warramunga Arr, WRA, etc.

IS/CJB 30 05:34:33.6, 1.2, 29.63S, 0.06, 69.61W, 0.06, listing stations like AGUA, VCA, VCA, etc.

Table for AGUA GUANDACOL, VCA Vinchina, listing stations like AGUA, VCA, VCA.

Table for AMOG MOGNA, RTLL Cerro Villon, listing stations like AMOG, RTLL, RTLL.

Table for AACL CERRO LA CRUZ, RTVC Cerro Valdivia, AUSP Puntalla, APPL PUNTA DE LOS L, listing stations like AACL, RTVC, AUSP, APPL.

Table for GUC 30 06:03:12.1, 20.3, 23.06S, 68.81W, h132km, 6km, ML3.7, listing stations like PB06, PB06, PB06, etc.

Table for WEL 30 06:09:18.2, 10.1, 43.73S, 172.89E, h12km, ML3.6/13, listing stations like MOZ, MOZ, OXF, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Waitaha Valley, Tophouse, Lake Benmore, Otahua Downs, Denniston Nort, Blackbirch Sta, Jackson Bay, Kapiti Island, etc.

KRNET 30 06:20:23.9.0.1, 41.44N, 70.62E, h14km, mb2.5
SOME 30 06:20:24.4, 41.02N, 71.03E, h5km
NNC 30 06:20:26.0.2.5, 41.13N, 70.95E, h0km, mpv2.8, Error ellipse: s-maj=18.2km s-min=11.4km az=2.0
ISC 30 06:20:25.4.2.5, 41.39N, 0.09, 70.8E, 0.2, h8km, 15km, n15, s25/3/23, 14C-7D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like IUG, ARK, BTK, MNAS, BRLS, MRKS, AML, EKS2, ARLS, UCH, AAK, DGS, etc.

MOS 30 06:35:26.8.1.1, 54.97N, 111.52E, h10km, mb4.2/1, Error ellipse: s-maj=64.6km s-min=30.5km az=73.7
BYKL 30 06:35:25.8.0.2, 54.96N, 111.40E, h28km, 3km, 4C-3D, Lake Baykal region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like YLYR, KMO, YOA, NIZ, UKT, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like UKT, Uakit, Suvo, Severomuyksk, Maximikha, Ongureny, Nelyaty, Turuntaevo, Tyrgan, Ulan-Yde, Khuramsha, Chara, Bolshoye Golou, Tupik, Ivanovka, Khapcheranga, Talaya, Arshan, Mondy, Oriik, etc.

ISCJB 30 06:48:00.8.0.3, 23.72N, 0.02, 121.69E, 0.02, h29km, 2km, Error ellipse: s-maj=3.2km s-min=2.0km az=143.3
JMA 30 06:48:00.3.0.1, 23.72N, 121.63E, h32km, 2km, M3.2
TAP 30 06:48:01.1, 23.75N, 121.62E, h34km, ML3.8, B
ISC 30 06:48:01.2.0.9, 23.73N, 0.02, 121.67E, 0.02, h32km, 6km, n61, c095/109, 15C-2D, Taiwan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like TEGC, ESF, ESL, HWA, TWD, EHY, WDT, TWF1, WHF, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CHKT, TWT, YUS, ENA, SMLT, NNS, TYC, ELDTW, ALS, ENT, WNT, CHNS, TWE, TCU, STYT, WGK, TWQ1, CHN4, TWG, NSY, WTP, NSTT, CHN2, CHN2, CHY, TWK, CHN1, CHN1, SGST, WTCT, TWB1, TWB1, WSF, NWF, YJNG, TWS1, YOJ, YOJ, TWM1, SCLT, EAST, SCZT, SCZT, LAY, WDG, PNG, PNG, TWK1, IRIF, HATJ, JKRS, JIJ, JISG, JTJ, etc.



ISK 30 06:59:46.6, 38.21N, 43.44E, h9km, MD2.6
ISCJB 30 06:59:52.0, 0.5, 38.49N, 0.03, 43.38E, 0.04, h6km, 5km,
Error ellipse: s-maj=5.6km s-min=4.5km az=24.6

CSEM 30 06:59:51.7, 0.4, 38.50N, 43.39E, h10km, MD2.8, Error
ellipse: s-maj=7.8km s-min=6.6km az=125.0

DDA 30 06:59:51.9, 38.49N, 43.35E, h7km, MD2.8

ISC 30 06:59:50.0, 0.1, 38.45N, 0.03, 43.44E, 0.03, h4km, 10km,
n22, c090/50, Turkey

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists various stations like VANB, GEVA, VMUR, etc.

IDC 30 07:04:42.2, 1.3, 51.65N, 173.41W, h0km, mb3.7/6,
mb1 3.9/7, mb1mx3.6/4, mbtimp3.6/7, ML4.2/1, Error
ellipse: s-maj=38.2km s-min=25.7km az=155.0

ISCJB 30 07:04:45.8, 0.7, 51.57N, 173.17W, 0.07, h37km,
mb3.7/6, Error ellipse: s-maj=9.8km s-min=6.1km az=7.9

NEIC 30 07:04:47.4, 0.0, 51.65N, 173.47W, h42km, ML3.4(AEIC),
After AEIC

ISC 30 07:04:47.8, 0.9, 51.65N, 173.42W, 0.05, h37km, n27,
c087/24, mb3.7/6, Andronof Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like ATKA, KIROV, etc.

TIR 30 07:13:32.7, 3.3, 40.18N, 20.70E, h0km, 999km, ML2.6

ISCJB 30 07:13:38.2, 0.5, 40.21N, 0.03, 20.62E, 0.05, h7km, 7km,
Error ellipse: s-maj=7.1km s-min=3.9km az=38.9

THE 30 07:13:38.5, 40.22N, 20.61E, h7km, 8km, ML1.9/4, Error
ellipse: s-maj=6.6km s-min=0.4km az=108.0

CSEM 30 07:13:38.6, 0.2, 40.19N, 20.66E, h10km, ML1.9, Error
ellipse: s-maj=5.6km s-min=3.0km az=125.0

ISC 30 07:13:38.4, 1.2, 40.21N, 0.03, 20.59E, 0.03, h4km, 13km,
n22, c088/38, Greece-Albania border region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like NEST, SRN, etc.

Table with columns: IGT, Ioumenitsa, 0.71 196, Pg, 013 52.3 +0.3. Lists stations like KERKIA, FLORINA, etc.

NIED 30 07:13:00, 37.70N, 141.80E, h59km, Mw3.7 Best double
couple: M4.04000, 1014 NP1, 281.00000, 829.00000,
lambda.00000. NP2, 314.00000, 865.00000, 1,105.00000.

IDC 30 07:13:51.8, 0.9, 37.79N, 142.20E, h0km, mb3.5/5,
mb1 3.7/7, mb1mx3.6/32, mbtimp3.5/7, ML3.5/2, MS2.7/2,
Ms1 2.7/2, ms1mx2.4/29, Error ellipse: s-maj=29.8km
s-min=18.8km az=126.0

JMA 30 07:13:59.3, 37.67N, 141.80E, h45km, 2km, M3.8,
ISC 30 07:13:55.8, 1.7, 37.64N, 0.04, 142.02E, 0.07, h27km, 12km,
n24, c132/33, mb3.5/5, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like JFK, JMO, etc.

H11S1 WAKE ISLAND Hy 28.80 125 T 07 50 16.6

H11S2 WAKE ISLAND Hy 28.81 125 T 07 50 16.5

MKAR Makanchi Array 44.21 302 P 07 22 02.3 -0.1

ILAR Eilsam Array 48.72 330 P 07 22 34.5 -3.1

WRM Warramunga Arr 67.73 189 S 07 23 44.9 +0.6

ASAR Alice Springs 61.46 188 P 07 24 11.1 +1.1

STKA Stephens Creek 69.16 180 LR 08 00 55.3

PDAR Pinedale Array 78.99 46 P 07 25 46.3 +0.5

LPAZ La Paz 145.97 60 PKPbc PKPbc 07 33 34.3 +0.2

CSEM 30 07:25:23.5, 0.3, 38.49N, 43.20E, h23km, 3km, MD2.3,
Error ellipse: s-maj=8.3km s-min=7.7km az=130.0

ISCJB 30 07:25:24.1, 0.7, 38.50N, 0.04, 43.18E, 0.05, h5km, 5km,
Error ellipse: s-maj=7.0km s-min=6.2km az=42.1

DDA 30 07:25:24.8, 38.56N, 43.12E, h7km, M13.0

ISK 30 07:25:24.0, 38.53N, 43.55E, h27km, MD2.3

ISC 30 07:25:24.2, 0.9, 38.53N, 0.03, 43.23E, 0.03, h25km, 6km,
n26, c116/43, Turkey

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like TVAN, VANB, etc.

IDC 30 07:31:57.3, 5.9, 6.70S, 129.65E, h260km, 65km, mb3.6/3,
mb1 3.4/5, mb1mx3.1/36, mbtimp4.0/5, Error ellipse:
s-maj=110.9km s-min=21.7km az=72.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like WRA, ASAR, etc.

1.8nm, 0.5s, baz=132, slow=5.2, SNR=8.0

ISCJB 30 07:36:15.6, 0.7, 49.87N, 0.04, 78.64E, 0.07, h0km, Error
ellipse: s-maj=7.2km s-min=4.7km az=146.3

NNC 30 07:36:19.1, 0.8, 49.99N, 78.67E, h0km, mpv3.2, Error
ellipse: s-maj=11.8km s-min=3.9km az=78.0, Suspected
Mining explosion.

IDC 30 07:36:20.1, 0.8, 50.04N, 78.72E, h0km, mb1 3.3/3,
mb1mx3.2/40, mbtimp3.3/3, ML3.1/3, Error ellipse:
s-maj=14.8km s-min=6.3km az=62.0

ISC 30 07:36:19.4, 0.8, 49.97N, 0.05, 78.60E, 0.06, h0km, n11,
c1946/18, 8C-3D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like KURBB, KURKB, etc.

ISK 30 07:36:50.2, 38.45N, 43.37E, h3km, MD2.6

ISCJB 30 07:36:51.0, 0.5, 38.49N, 0.03, 43.44E, 0.04, h5km, 4km,
Error ellipse: s-maj=5.2km s-min=4.1km az=22.0

CSEM 30 07:36:51.0, 0.3, 38.47N, 43.36E, h5km, ML3.0, Error
ellipse: s-maj=6.0km s-min=4.5km az=122.0

DDA 30 07:36:51.2, 38.49N, 43.31E, h8km, M13.0

ISC 30 07:36:51.2, 0.9, 38.49N, 0.03, 43.44E, 0.03, h5km, 7km,
n40, c086/60, Turkey

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like TVAN, VANB, etc.

WEL 30 07:38:40.0, 0.5, 37.45S, 179.83E, h5km, ML3.7, 1C-3D,
Error ellipse: s-maj=5.0km s-min=4.1km az=0.0, Off
east coast of North Island

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like WMGZ, MXZ, etc.





Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MXZ Matakaoa Point, HAZ Te Kaha, WMGZ Waioamatatini S, etc.

GUC 30 10:23:44.7±0.5, 18.78S:69.10W, h23km, 12km, ML3.2
ISCJB 30 10:23:47.6±1.1, 18.81S:0.04:69.29W, 0.05, h12km, 8km, mb3.9/2, MS2.9/1, Error ellipse: s-maj=8.2km s-min=5.4km az=28.6

SCB 30 10:23:47.3±1.2, 18.55S:69.40W, h105km, M3.7/1, Error ellipse: s-maj=38.5km s-min=12.3km az=81.0
IDC 30 10:23:54.4±2.1, 18.79S:68.59W, h102km, 19km, mb3.5/2, mb1.3.8/5, mb1mx3.5/2, mbmltp3.9/5, MS3.0/5, ms1.0x2.8/19, Error ellipse: s-maj=40.6km s-min=17.3km az=94.0

ISC 30 10:23:44.9±1.5, 18.78S:0.03:69.16W, 0.05, h15km, 12km, n20, r152/24, Northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MNMC Minye Minye, PB12 IPOC Station P, PSGC Pisagua, etc.

ISCJB 30 10:25:36.0±2.2, 38.45N:0.08:43.6E:0.2, h23km, 7km, Error ellipse: s-maj=24.4km s-min=11.1km az=19.5
ISC 30 10:25:35.9, 38.49N:43.17E, h16km, MD2.2
CSEM 30 10:25:36.3±0.9, 38.49N:43.55E, h15km, ML2.5, Error ellipse: s-maj=20.2km s-min=10.1km az=111.0
DDA 30 10:25:39.6, 38.52N:43.33E, h7km, M12.5
ISC 30 10:25:36.3±1.3, 38.50N:0.05:43.4E:0.1, h18km, 4km, n14, r147/23, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TVAN Van, TVAN Van, TVAN Van, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GEVA Gevas, GEVA Gevas, GEVA Gevas, etc.

NSSC 30 10:27:28.7±2.0, 33.75N:36.93E, h9km, gkm, ML1.8, Jordan-Syria region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MARH Ras Al Marh, MARH Ras Al Marh, MARH Ras Al Marh, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RABH Abou Rabah, RABH Abou Rabah, RABH Abou Rabah, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SALA Sala, SALA Sala, SALA Sala, etc.

MAN 30 10:32:50, 10.36N:126.09E, h2km, mb4.5, ML3.3, MS3.2, 1C, Philippine Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SCPH Surigao, MSLP Maasin, MSLP Maasin, etc.

ISK 30 10:36:14.9, 38.00N:43.34E, h29km, MD2.3
ISCJB 30 10:36:22.4±0.8, 38.65N:0.04:43.27E:0.06, h21km, 9km, Error ellipse: s-maj=7.7km s-min=7.0km az=33.1
CSEM 30 10:36:22.5, 38.68N:43.24E, h7km, ML2.6
DDA 30 10:36:22.4, 38.68N:43.24E, h7km, M12.6
ISC 30 10:36:21.8±1.2, 38.51N:0.04:43.24E:0.04, h28km, 8km, n16, r145/20, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VANB Van, VANB Van, VANB Van, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TVAN Van, TVAN Van, TVAN Van, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like B170/12, mb3.7/3, Luzon, BOLP Bolinao, BOLP Bolinao, etc.

IDC 30 10:40:25.6±1.5, 15.12N:118.74E, h0km, mb3.8/3, mb1.4/5, mb1mx3.6/50, mbtmp3.9/5, ML4.4, 2, Error ellipse: s-maj=53.7km s-min=21.3km az=39.0, Philippine Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TGY Tagaytay City, TGY Tagaytay City, TGY Tagaytay City, etc.

JMA 30 10:47:41.1±0.1, 36.43N:140.63E, h53km, 1km, M2.5, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JHO Hitachi, JHO Hitachi, JHO Hitachi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DED Mersin, DED Mersin, DED Mersin, etc.

ISK 30 11:03:03.6, 38.83N:43.58E, h22km, MD3.1
CSEM 30 11:03:04.0±0.4, 38.82N:43.62E, h10km, MD3.3, Error ellipse: s-maj=10.5km s-min=10.4km az=104.0
ISCJB 30 11:03:05.9±0.5, 38.84N:0.03:43.66E:0.06, h23km, 5km, Error ellipse: s-maj=7.5km s-min=4.3km az=9.8
DDA 30 11:03:05.6, 38.83N:43.69E, h7km, M43.3
ISC 30 11:03:05.6±0.9, 38.85N:0.02:43.63E:0.03, h15km, 7km, n39, r151/54, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VMUR Van-Muradiye, VMUR Van-Muradiye, VMUR Van-Muradiye, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GEVA Gevas, GEVA Gevas, GEVA Gevas, etc.

MEX 30 11:06:58.6±0.7, 16.09N:94.80W, h63km, 21km, MD4.0, Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HUIG Huatulco, HUIG Huatulco, HUIG Huatulco, etc.





30d 14h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MJAR Matushiro Arr, FITZ Fitzroy Crossi, SONM Songoing Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CTA Charters Tower, CTAO Charters Tower, ZALV Zalesovo Beam, etc.

DDA 30 14:24:56.9, 38.43N, 43.52E, h7km, ML3.3
ISK 30 14:24:56.9, 38.58N, 43.41E, h5km, MD2.9
ISCJB 30 14:24:57.0, 38.51N, 43.51E, h10km, Error ellipse: s-maj=6.2km s-min=5.5km az=32.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TVAN Van, VANS Van, VMBB Van, VMUR Van-Muradiye, etc.

NEIC 30 14:26:39.1, 0.4, 15.44N, 119.19E, h10km, mb4.5/4, Error ellipse: s-maj=13.3km s-min=7.6km az=54.0
MAN 30 14:26:39.1, 0.4, 15.44N, 119.19E, h27km, mb4.5, ML3.4, MS3.3
ISCJB 30 14:26:40.3, 0.4, 15.45N, 119.06E, h10.5, h29km, mb4.3/19, MS3.5/4, Error ellipse: s-maj=7.3km s-min=5.0km az=137.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BOAC Boac, GOP Guinayangan, SAMP San Jose, etc.

2011 NOV

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KSRS Korea Array, SONM Songoing Array, ASAJ Asahikawa, etc.

ISC 30 14:27:36.2, 2.1, 6.73S, 129.46E, h0km, mb3.3/1, mb1.3/5.4, mb1mx3.3/4.3, mbtmpp3.3/4, ML3.5/3.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, WRA Alice Springs, etc.

ISC 30 14:28:21.7, 1.4, 38.44N, 0.07, 43.51E, h13km, 4km, Error ellipse: s-maj=13.5km s-min=6.5km az=141.7
ISK 30 14:28:21.9, 38.47N, 43.54E, h11km, MD2.5
CSEM 30 14:28:22.0, 0.3, 38.49N, 43.45E, h10km, ML3.1, Error ellipse: s-maj=7.0km s-min=4.4km az=136.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TVAN Van, VANS Van, VMBB Van, VMUR Van-Muradiye, etc.

DDA 30 14:28:24.2, 38.59N, 43.40E, h7km, ML3.1
ISC 30 14:28:25.1, 2, 38.48N, 0.06, 43.45E, h15km, 5km, n16, c0.85/28, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, URZ Urewera, URZ Urewera, etc.

ISC 30 14:41:14.9, 5.6, 24.39S, 179.85E, h511km, 5.4km, mb3.1/3, mb1.3/3.5, mb1mx3.0/3.2, mbtmpp4.2/5, Error ellipse: s-maj=52.4km s-min=26.9km az=52.0, South of Fiji Islands
ISCJB 30 14:57:41.8, 1.1, 22.11S, 0.04, 176.83W, 0.03, h153m, 7km, mb5.0/17, Error ellipse: s-maj=6.2km s-min=5.7km az=154.3
ISC 30 14:57:43.9, 0.4, 22.00S, 176.64W, h161km, 3km, mb4.6/31, mb1.4/1.3, mb1mx4.7/3.9, mbtmpp5.1/3.2, MS4.1/1.4, MS1.4/1.14, ms1mx3.9/3.0, Error ellipse: s-maj=10.3km s-min=9.4km az=161.0

1628

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MVSF Nonsavu, MVSF Nonsavu, MVSF Raoul Island, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like CMSA Cobar Meteorol, QLP Quiipie, TOO Toolajin Creek, MOO Moorlands, MTSU Mount Surprise, PMG Port Moresby, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like GIRL comp=Z,62nm,1.8s,comp=Z,1um, APPI Ampana, BNSI Bone, KAPI Kappang, MRSI Marisa, SPSI Sidrap Palu, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MLAC Mammoth, L02D Cave Junction, TIN Tinema, WAKR Walker, YBHK Yreka Blue Hor, YBHI Yreka Blue Hor, etc.



30d 14h

Table with columns for station name, frequency, power, and signal quality. Includes stations like MTPU Mount Pierson, SYO Syowa Base, W18A Petrified Fore, etc.

2011 NOV

Table with columns for station name, frequency, power, and signal quality. Includes stations like LNIG McKinley, MCK McKinley, S22A 4UR Ranch, etc.

1630

Table with columns for station name, frequency, power, and signal quality. Includes stations like CMAR Chiang Mai, CHTO Chiang Mai, EGMT Eagleton, etc.



Table with columns: KARP, comp=N,2073um,0.8s, AML, AML, 15 03 39.8, VTS, Vitosha, 8.97 348 eP, Pn, 15 04 44.0 -1.6, CLL, Collm, comp=Z,7.0nm,0.7s, 19.78 336 eP, P, 15 07 05.0 -0.8

Table with columns: MARH, comp=N,41nm,0.5s, AML, AML, 15 06 33.8, VTS, Vitosha, 8.97 348 eP, Pn, 15 04 44.0 -1.6, CLL, Collm, comp=Z,7.0nm,0.7s, 19.78 336 eP, P, 15 07 05.0 -0.8

Table with columns: VTS, Vitosha, 8.97 348 eP, Pn, 15 04 44.0 -1.6, CLL, Collm, comp=Z,7.0nm,0.7s, 19.78 336 eP, P, 15 07 05.0 -0.8

Table with columns: MOF, Molkenrain, 19.80 321 eP, Pn, 15 07 07.6 -0.2, MFR, Molkenrain, 19.80 321 eP, Pn, 15 07 07.6 -0.2, VSR, Molkenrain, 19.81 25 eP, Pn, 15 07 07.8 +0.6



30d 16h

JMA 30 15:35:04.0, 0.2, 39.64N, 143.66E, h20km, 4km, M4.3
NEIC 30 15:35:09.0, 1.8, 39.61N, 143.55E, h30km, 12km, mb4.9/2,
Error ellipse: s-maj=10.5km s-min=5.0km az=111.0

ISC 30 15:35:04.1-3.1, 39.56N, 0.05:143.67E, 0.07, h3km, 17km,
n48, r1577/56, mb4.215, Off east coast of Honshu

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

NIED 30 15:40:00, 39.60N, 143.70E, h17km, Mw3.7 Best double
couple: M3.81000x104, NP1, 192.00000, 834.00000,
1.58.00000, NP2, 48.00000, 862.00000, 109.00000

JMA 30 15:40:09.0, 2.0, 39.64N, 143.66E, h17km, 6.5km, M3.9
IDC 30 15:40:10.9, 2.2, 39.66N, 143.41E, h0km, mb3.6/4,
mb1 3.7/7, mb1mx3.5/8, mbtmp3.7/7, ML3.6/3, Error
ellipse: s-maj=5.0km s-min=2.2km az=83.0

ISC 30 15:40:11.9-3.3, 39.70N, 0.06:143.5E, 0.1, h12km, 18km,
n24, r1522/28, mb3.5/4, Off east coast of Honshu

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

ISC 30 15:41:28.5, 38.55N, 143.21E, h29km, MD2.2
CSEM 30 15:41:29.2, 0.3, 38.59N, 143.24E, h30km, MD2.2, Error
ellipse: s-maj=7.1km s-min=6.4km az=146.0

ISCJB 30 15:41:30.2, 0.7, 38.64N, 0.04:143.26E, 0.05, h29km, 5km,
Error ellipse: s-maj=6.6km s-min=6.1km az=138.9
DDA 30 15:41:30.6, 38.68N, 143.19E, h7km, MD2.5

2011 NOV

ISC 30 15:41:29.6, 0.9, 38.63N, 0.03:143.21E, 0.03, h25km, 7km,
n18, r0556/36, Turkey

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

ISCJB 30 15:46:55.8, 0.1, 39.52N, 0.07:143.7E, 0.1, h11km,
mb3.4/5, MS3.4/2, Error ellipse: s-maj=11.4km
s-min=10.0km az=168.6

IDC 30 15:46:55.4, 2.3, 39.62N, 143.76E, h0km, mb3.5/5,
mb1 3.5/8, mb1mx3.4/5, mbtmp3.6/8, ML3.3/3, MS3.3/2,
Ms1 3.2/2, ms1mx2.6/3, Error ellipse: s-maj=54.9km
s-min=21.8km az=81.0

JMA 30 15:46:57.0, 0.4, 39.64N, 143.56E, h9km, M3.6
ISC 30 15:46:57.2-1.3, 39.65N, 0.07:143.6E, 0.1, h11km, n18,
r1523/18, mb3.5/5, Off east coast of Honshu

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

JMA 30 15:48:19.9, 0.2, 37.82N, 142.31E, h28km, 2km, M3.7
IDC 30 15:48:22.3, 4.6, 37.82N, 142.42E, h35km, 37km, mb3.5/7,
mb1 3.6/10, mb1mx3.5/1, mbtmp3.7/10, ML3.6/3, MS2.1/1,
Ms1 2.1/1, ms1mx2.1/3, Error ellipse: s-maj=28.5km
s-min=17.6km az=86.0

ISC 30 15:48:18.6-1.8, 37.77N, 0.04:142.26E, 0.07, h13km, 10km,
n28, r1571/32, mb3.6/7, Off east coast of Honshu

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

MAN 30 15:58:51, 10.05N, 123.38E, h1km, mb4.4, ML3.3, MS3.1,
2C-1D, Cebu

1634

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

INMG 30 16:10:47.3, 0.8, 31.98N, 8.07W, h31km, ML2.5, Error
ellipse: s-maj=8.1km s-min=4.3km az=39.0

MDD 30 16:10:49.5, 4.0, 32.40N, 7.82W, h0km, mb3.7/6, Error
ellipse: s-maj=41.6km s-min=34.6km az=73.0, PRXIMO

CSEM 30 16:10:53.4, 0.7, 32.64N, 7.61W, h10km, mb3.7, Error
ellipse: s-maj=15.4km s-min=13.0km az=71.0

ISC 30 16:10:52.9, 4.2, 32.6N, 0.2:7.6W, 0.1, h10km, n21,
r1502/37, Morocco

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

NEIC 30 16:10:52.3, 0.0, 17.19N, 94.73W, h128km, MD4.0(MEX),
After MEX.
MEX 30 16:10:52.2, 0.9, 17.18N, 94.74W, h129km, 16km, MD4.0,
China

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

IDC 30 16:19:07.7, 2.7, 7.49N, 123.91E, h0km, mb3.3/3,
mb1 3.5/3, mb1mx3.3/2, mbtmp3.3/3, Error ellipse:
s-maj=281.5km s-min=27.1km az=64.0, Mindanao

WRA Warramunga Arr 29.13 160 P Op 16 25 11.4 +0.9
ASAR Alice Springs 32.47 163 P Op 16 25 39.0 -1.1
MKAR Makanchi Array 52.89 325 P Op 16 28 25.4 -0.1

ISCJB 30 16:31:59.7, 0.3, 1.54N, 0.03:128.39E, 0.04, h61km,
mb4.6/36, Error ellipse: s-maj=5.4km s-min=3.8km az=9.9

DJA 30 16:32:03.7, 0.4, 1.3N, 3.12E, h55km, 5km, M4.5/13,
mb4.8/13, mb5.0/17, ML4.6/11, Mw(MB)4.3/7, Mw(6.7)1

BUI 30 16:32:03.0, 1.4, 1.40N, 128.33E, h100km, mb4.7/24, mb5.0/19
NEIC 30 16:32:04.3, 2.1, 1.41N, 128.33E, mb4.7/19, Error ellipse:
s-maj=7.2km s-min=4.9km az=74.0

IDC 30 16:32:04.1, 0.7, 1.39N, 128.36E, h94km, 6km, mb4.0/17,
mb1 4.1/18, mb1mx3.9/38, mbtmp4.3/18, MS2.9/5,
Ms1 2.8/5, ms1mx2.6/34, Error ellipse: s-maj=19.9km
s-min=6.3km az=78.0

ISC 30 16:32:00.8, 0.4, 1.48N, 0.05:128.42E, 0.07, h61km, n97,
r1559/104, mb4.6/35, 1C-D, Halmahera

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.











Table with columns for station call letters, name, frequency, and other technical details. Includes stations like POO, SMRI, GYA, KKM, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like TATO, DAV, BBSI, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like AAK, Ala-Archa, KUU, etc.







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Table with columns: ID, Name, Address, Date, Time, Status, and other details. Includes entries like J08A ULM, Circle Bar Ran, Wild Horse Val, etc.

2011 NOV

Table with columns: ID, Name, Address, Date, Time, Status, and other details. Includes entries like G38A Ridgeland, G40A Rib Lake, H34A Spellman Lake, etc.

30d 19h

Table with columns: ID, Name, Address, Date, Time, Status, and other details. Includes entries like P45A Graceland, Q38A Cooks Store, Q39A White Grove F, etc.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ARAD ARCESS Array S, ARCES ARCESS Array B, MORC Moravy Beary, BOSHA Boshof, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, etc.

NIED 30 19:50:04.6:48.0, 15:49S:169.77W, h0km, mb4.1/3, mb1 4.3/3, mb1mx3.8/4.7, mbtmp4.1/3, Error ellipse: s-maj=962.1km s-min=203.8km az=80.0, Samoa Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MIYJ Miyakonagasawa, JTH Tanohata, OFJU Onohata, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, H0RS3 Diego Garcia H, H0RS2 Diego Garcia H, etc.

ISCJB 30 19:53:48.0:0.7, 7.7N:0.1:93.9E:0.1, h20km, mb3.9/12, Error ellipse: s-maj=19.9km s-min=15.2km az=161.3, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NOA 0.5nm, 0.5s, baz=70, slow=8.5, SNR=3.0, IDC 30 20:01:07.8:3.2, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VANDA Vanda, H0W1W Cape Leeuwin H, H0W2W Cape Leeuwin H, etc.

IDC 30 20:25:8.5:1.6, 60.17S:153.31E, h0km, mb3.5/2, mb1 3.8/3, mb1mx3.7/17, mbtmp3.5/3, ML2.5/1, Error ellipse: s-maj=355.0km s-min=34.5km az=75.0, West of Macquarie Island







Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GNOU Gnosjee, EKSU Eksjoe, MMIG Aquila, etc.

IDC 30 21:18:35.1±2.8, 7.53N-93.71E, h0km, mb3.5/4, mb1 3.7/5, mb1mx3.3/6.1, mbtmp3.3/5.7, ML3.6/1.1, Error ellipse: s-maj=88.8km s-min=24.5km az=69.0, Nicobar Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, H0S3 Diego Garcia H, H0S2 Diego Garcia H, etc.

ISCJB 30 21:27:07.2±1.3, 20°25.0'4.178'2W, 0.2, h600km, mb3.8/8, Error ellipse: s-maj=56.6km s-min=18.7km az=153.0

IDC 30 21:27:13.0±5.9, 20°26'S-178°28'W, h665km, 74km, mb3.2/7, mb1 3.5/8, mb1mx3.1/3.4, mbtmp4.3/8, Error ellipse: s-maj=57.9km s-min=32.9km az=159.0

ISC 30 21:27:07.1±1.3, 20.23S, 0.4x178.0W, 0.2, h600km, n11, c=1562/11, mb3.6/8, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumak, STKA Stephens Creek, ASAR Alice Springs, etc.

IDC 30 21:28:16.4±7.0, 7.95N-93°63'E, h0km, mb3.7/6, mb1 3.8/7, mb1mx3.5/4.3, mbtmp3.7/7, ML3.9/1, Error ellipse: s-maj=149.1km s-min=44.8km az=148.0, Nicobar Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, H0S3 Diego Garcia H, H0S2 Diego Garcia H, etc.

MEX 30 21:33:36.3±0.8, 19°17'N-102°30'W, h10km, MD3.9, Michoacan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like URUA Uruapan.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EZSV 0.82 292 eP, EZSV 21 33 49.4 -2.7, MMIG Aquila, etc.

ISCJB 30 22:28:59.8±0.5, 37°04'N-0°05'27.95E±0.03, h11km, 8km, Error ellipse: s-maj=8.5km s-min=3.8km az=19.8

CSEM 30 22:28:59.9±0.2, 37°05'N-27°95E±h12km, MD2.6, Error ellipse: s-maj=4.9km s-min=2.4km az=19.0

DDA 30 22:28:58.8, 37°07'N-27°97E±h7km, ML3.0, ISK 30 22:28:59.3, 37°03'N-27°95E±h17km, MD2.6

ISC 30 22:28:58.4±1.2, 37.030N-0.03-27.97E±0.02, h4km, 11km, n30, c134/45, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MRSB Marmaris-Mugla, MRSB Marmaris-Mugla, BDRM Kayabasi, etc.

IDC 30 22:33:06.5±2.4, 43°23'N-105°30'W, h0km, mb2.7/1, mb1 3.0/3, mb1mx3.3/5.3, mbtmp3.3/3, ML3.2, Error ellipse: s-maj=46.0km s-min=9.8km az=155.0

ISCJB 30 22:33:09.3±0.4, 43°57'N-105°37'W±0.4, h0km, Error ellipse: s-maj=5.1km s-min=4.0km az=14.7

NEIC 30 22:33:10.2±0.6, 43°53'N-105°32'W, h0km, MN2.8, Error ellipse: s-maj=7.9km s-min=6.4km az=44.0, Suspected Mining explosion.

NEIC 79 km [49 miles] E of Midwest, ISC 30 22:33:09.0±0.8, 43°53'N-105°37'W±0.03, h0km, n26, c=256/52, Wyoming

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RSSD Black Hills, RSSD Black Hills, K22A Casper, etc.

ISCJB 30 22:40:41.5±0.4, 61°11'S-0°05:153°4E±0.1, h10km, mb4.0/2, MS4.5/2.4, Error ellipse: s-maj=10.6km s-min=7.0km az=13.0

IDC 30 22:40:41.3±0.7, 61°17'S-153°23'E, h0km, mb4.5/10, mb1 4.6/11, mb1mx4.5/2.9, mbtmp4.5/11, ML4.5/1, MS4.4/2.2, Ms1 4.4/2.2, ms1mx4.4/2.4, Error Ellipse: s-maj=29.8km

s-min=17.8km az=71.0, NEIC 30 22:40:42.7±0.4, 61°16'S-153°27'E, h10km, mb5.0/20, Error ellipse: s-maj=10.6km s-min=7.7km az=107.0

GCMT 30 22:40:42.7±0.1, 60°95'S-153°68'E, h19km, 1km, MW5.3/106, Moment Tensor Solution. s=87.124; s106.c176; Duration: 1s1 Moment tensor: Scale 1017 Nm; M=0.07±0.02; M=0.83±0.02; M=0.75±0.02; M=0.03±0.03; M=0.71±0.02; M=0.34±0.04; Best double couple: Mo1.12200/0.1017 NPI1.155.00000; s81.00000; lambda-16.00000; NP2.247.00000; s74.00000; lambda-17.00000; Principal axes: T 1.1100, Pigs 0.0000; Azm202.0000; N 0.0240, P12.0000; Azm307.0000; P 1.1340, P17.0000; Azm110.0000; nsta1 1 refers to body waves, cutoff=10s. nsta2 refers to surface waves, cutoff=50s.

BUI 30 22:40:44.1±1.61°00'S-153°50'E, h10km, mb5.4/4, mb5.6/6, Ms5.1/7, Ms7 4/8

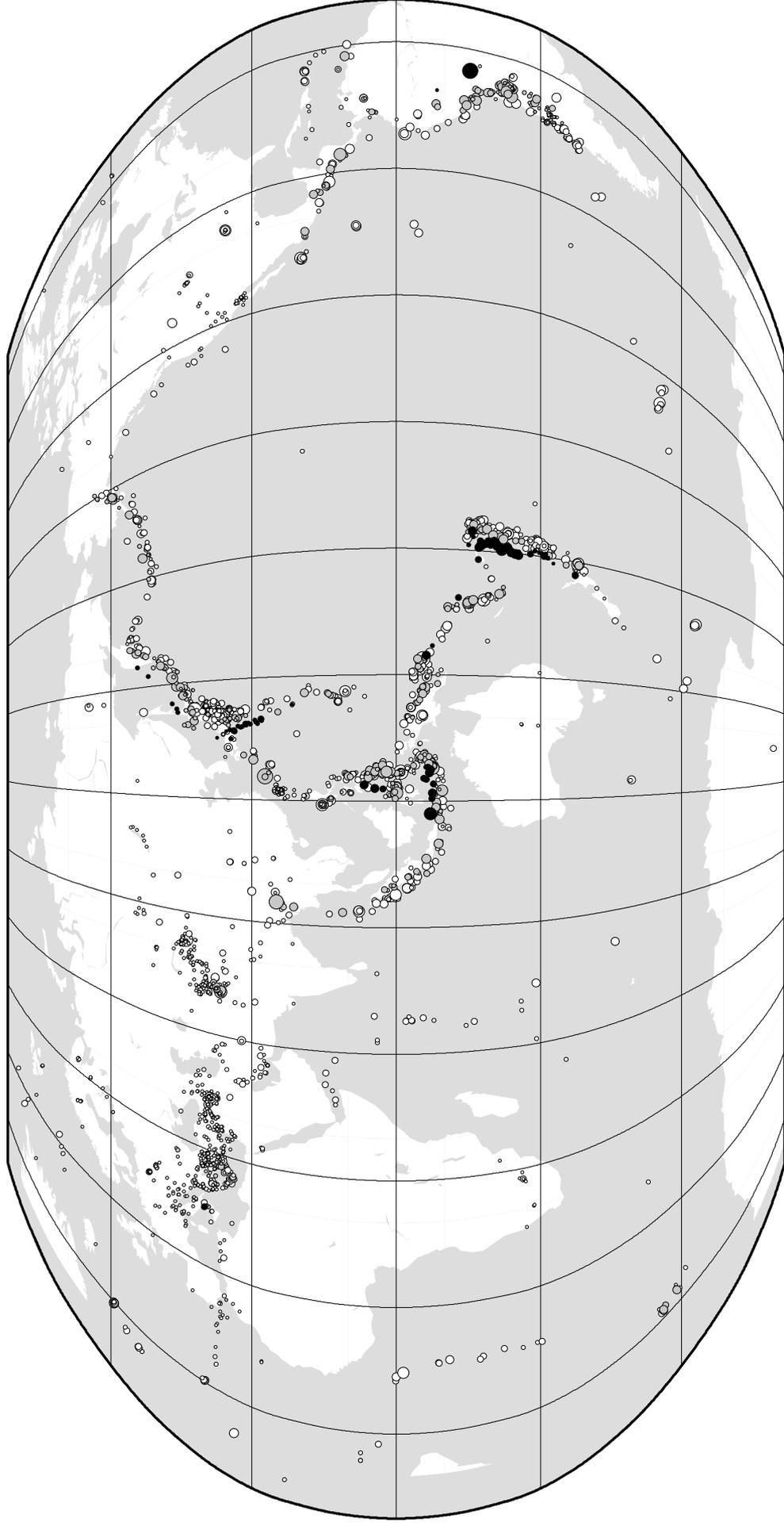
ISC 30 22:40:43.0±0.4, 61°28'S-0°07:153°39E±0.09, h10km, n94, c254/79, mb4.7/20, MS4.5/24, 10C-6D, Baileny Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VANDA Vanda, VANDA Vanda, SBA Scott Base, etc.





# ISC Computed Locations for November 2011



Robinson Projection, centred on 0°N, 130°E

