

## ACKNOWLEDGEMENTS

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

## Addendum I

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

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

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

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

The following example illustrates the changes :-

### September 2002

```

NEIC 01 18:45:41.7±1.7,21.70S×179.55W,h600km,mb4.6/6,
Error ellipse: s-maj=75.5km s-min=25.7km az=151.0
IDC 01 18:45:46.3±2.6,21.76S×179.70W,h627km,37km,mb3.5/4,
mb1 3.7/4,mb1mx3.2/14,Error ellipse: s-maj=83.2km
s-min=20.6km az=159.0
ISC 01 18:45:43.1±2.7,22.3S;02×179.6W;03,h613km,42km,
n22,r1515/21,mb4.4/9,1C,South of Fiji Islands
Code Station Name Δ° AZ° Phase ID Time Res
h m s ISC
HBZ Hicks Bay 15.41 186 eP P 18 48 53.1 -1.7
URZ Urewera 16.21 189 P P 18 49 01.5 -0.9
MRZ Mangatoinoka R 18.81 192 eP P 18 49 26.7 0.0
DIW D'Urville Isla 19.30 195 eP P 18 49 27.3 -3.9
CAW Cannon Point 19.34 192 eP P 18 49 31.7 +0.1
OTW Orongorongo Tu 19.52 192 eP P 18 49 33.0 -0.2
MCW Moikau 19.61 192 eP P 18 49 35.5 +1.5
THZ Tophouse 20.46 196 eP P 18 49 42.0 +0.2
KHZ Kahutara 20.93 194 P P 18 49 46.2 +0.2
ARMA Armidale 27.03 246 eP P 18 50 42.4 +2.3
CTA Charters Tower 31.93 267 P P 18 51 22.3 +0.4
13nm,0.5s,mb4.8
STKA Stephens Creek 35.75 246 eP P 18 51 55.3 +1.8
3.1nm,0.4s,mb4.2
ASAR Alice Springs 42.74 259 P P 18 52 50.1 +0.3
9.8nm,0.5s,mb4.6,baz=92,slow=8.2,SNR=47
ASAR S 18 58 31.3 -0.1
1.0nm,0.8s,baz=95,slow=15,SNR=5.7
ASPA Alice Springs 42.74 259 eP P 18 52 50.1 +0.2
WRA Warramunga Arr 42.96 264 P P 18 52 51.0 -0.7
1.8nm,0.3s,mb4.0,baz=96,slow=7.8,SNR=93
WRA S 18 58 33.0 -1.5
0.3nm,0.9s,baz=99,slow=14,SNR=3.0
KAKA Kakadu 46.64 273 eP P 18 53 18.2 -1.8
14nm,0.4s,mb4.8
FITZ Fitzroy Crossi 51.39 264 eP P 18 53 54.3 -0.7
12nm,0.3s,mb4.8
MBWA Marble Bar 56.08 259 eP P 18 54 27.1 -0.7
11nm,0.6s,mb4.2
CMAR Chiang Mai Arr 89.35 290 P P 18 57 38.1 +1.0
1.3nm,0.8s,mb3.8,baz=135,slow=3.1,SNR=8.1
ARCES ARCESS Array B 130.36 349 PKP PKP 19 03 43.7 -0.5
0.7nm,0.6s,baz=282,slow=4.2,SNR=3.5
FINES FINES Array B 137.02 342 PKP PKP 19 03 57.3 +0.5
3.7nm,1.1s,baz=158,slow=3.2,SNR=5.4
MLR Muntele Rosu 148.85 324 PKPbc PKP 19 04 22.7 +5.2
0.2nm,0.7s,baz=1.2,slow=23,SNR=2.3

```

### Epicentral Estimates

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

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

Error Ellipses - The keywords have been shortened.

### Observational Data

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

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

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

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

Station magnitude estimate - computed by the ISC.

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

## Addendum II

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

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

## Addendum III

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

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







Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WARRAMUNGA ARR, ALICE SPRINGS, EIELSON ARRAY, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GBRs, KNDS, BOJS, BOUS, NVLJ, etc.

ISCJB 01 01:43:34.4-0.4, 5.89S, 147.20E, 0.09, h78km, mb4.3/30, Error ellipse: s-maj=13.2km s-min=6.7km az=5.8

IDC 01 01:43:36.8-1.7, 5.85S, 147.27E, h93km, mb3.7/13, mb1.4/0.16, mb1mx3.8/44, mbtmp4.1/16, MS3.1/4, Ms1.3/0.4, ms1mx2.7/42, Error ellipse: s-maj=19.9km s-min=8.7km az=105.0

NEIC 01 01:43:37.8-0.9, 6.03S, 147.18E, h83km, mb4.6/13, Error ellipse: s-maj=13.2km s-min=8.0km az=100.0

BUI 01 01:43:38.3-0.20S, 147.00E, h63km, mb4.6/13, mb4.8/6, Ms4.2/2, Ms7.3/0.2

ISC 01 01:43:35.8-0.5, 5.93S, 147.2E, 0.1, h78km, n53, c182/51, mb4.4/29, Eastern New Guinea region

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PMG, MANU, COEN, CTA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ILAR, DOT, BVAR, YKA, GERES, etc.

ISCJB 01 01:59:34.8-0.3, 24.75N, 122.56E, 0.02, h126km, 2km, mb3.5/8, Error ellipse: s-maj=3.4km s-min=2.3km az=165.6

IDC 01 01:59:34.7-4.0, 24.84N, 122.55E, h126km, 39km, mb3.2/8, mb1.3/3.9, mb1mx3.0/60, mbtmp3.6/9, Error ellipse: s-maj=38.6km s-min=18.8km az=57.0

JMA 01 01:59:35.6-0.2, 24.71N, 122.52E, h122km, 2km, M3.6 TAP 01 01:59:35.9-2.4, 27.77N, 122.55E, h120km, ML4.2, C

ISC 01 01:59:35.0-0.7, 24.76N, 122.56E, 0.02, h127km, 5km, n112, c095/201, mb3.4/8, 26C-6D, Taiwan region

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EOS1, EYNG, YJNG, YOJ, etc.

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WLTB, ENLB, NCU, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, M, S, ISC. Rows include TWG Pinlang, TWG baz=220, JIRB Irabujima, etc.

ISC 01 02:22:02.4-0.7, 4.0S; 0.1x103.4W; 0.1, h10km, mb4.4/38, MS3.5/17, Error ellipse: s-maj=18.6km s-min=10.3km az=139.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, M, S, ISC. Rows include LPAZ La Paz, LPAZ 0.5m, 0.3s, baz=164, slow=12, SNR=8.4, etc.

ISC/JB 01 02:32:26.4-0.7, 4.0S; 0.1x103.4W; 0.1, h10km, mb4.4/38, MS3.5/17, Error ellipse: s-maj=18.6km s-min=10.3km az=139.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, M, S, ISC. Rows include CMIG Matias Romero, APG El Apazole, APG 4.7m, 1.0s, baz=234, slow=10.0, SNR=3.7, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, M, S, ISC. Rows include PV01 Paradox Valley, PBMO Poplar Bluff, WVT Waverly, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, M, S, ISC. Rows include H1N2 WAKE ISLAND Hy 91.08 290 T, H1N1 WAKE ISLAND Hy 91.09 290 T, etc.

ISC 01 02:33:18.4-1.2, 3.7; 0.2N; 30.53E, h0km, mb3.7/6, m1 3.7/10, m1mx3.5/60, mbtmp3.6/10, ML3.5/2, MS2.5/2, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, M, S, ISC. Rows include KORT Korkuelli, KORT Korkuelli, KORT Korkuelli, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, M, S, ISC. Rows include DENT Denizli, DENT Denizli, FETY Fethiye, etc.

ISC/JB 01 02:43:33.8-0.4, 2.9; 42S; 0.0x70.9W; 0.1, h6km, 2km, mb4.2/26, Error ellipse: s-maj=16.2km s-min=4.1km az=2.5

ISC 01 02:43:34.3-0.9, 2.9; 37S; 70.87W, h54km, 7km, mb4.0/13, m1 4.0/16, m1mx3.9/36, mbtmp4.2/16, Error ellipse: s-maj=24.1km s-min=13.4km az=85.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, M, S, ISC. Rows include LCO Las Campanas, LCO Las Campanas, LCO Las Campanas, etc.



ENLB	Shoufeng	1.34	257	P	Pn	04 32 24.6	+0.1
ENLB	Neicheng	1.34	293	P	Pn	04 32 24.8	+0.2
TWE	baz=256						
TWE	baz=293						
ENTT	Nicudou	1.40	288	P	Pn	04 32 26.0	+0.7
ENTT	baz=289						
NWF	Wu-fen Shan	1.42	307	P	Pn	04 32 25.8	+0.1
NWF	baz=308						
NWF	baz=308						
WFBS	Wu-fen Shan	1.42	307	eP	Sn	04 32 25.9	+0.3
WFBS	baz=308						
ESL	Shilin	1.51	255	P	Pn	04 32 26.1	+0.7
ESL	baz=254						
NNSB	Datong	1.51	279j	eP	Pn	04 32 27.1	+0.2
NNSB	baz=279						
NNSB	Nan Shan	1.52	279	eS	Sn	04 32 45.0	-0.3
NNSB	baz=279						
YHNB	Yeheng	1.57	287	eP	Pn	04 32 28.3	+0.6
YHNB	baz=288						
YHNB	baz=288						
JTJ	Tarama	1.59	74	P	Pn	04 32 27.9	+0.1
JTJ	YMO7	1.60	307	eS	Sn	04 32 47.1	+0.5
JTJ	YMO7	1.63	247	eS	Sn	04 32 46.5	-1.5
SPAD	Ruisui	1.63	244	eP	Pn	04 32 27.8	-0.6
SPAD	baz=243						
HGSD	baz=243						
TWT	Tachien	1.69	272	P	Pn	04 32 30.4	+1.1
TWT	baz=271						
TWT	baz=271						
CHGB	Renai	1.70	265	eP	Pn	04 32 29.5	0.0
CHGB	baz=265						
CHGB	baz=265						
TDCB	Techi	1.70	272	eP	Pn	04 32 30.4	+0.9
TDCB	baz=272						
TDCB	baz=272						
OWD	Renai	1.71	262	eP	Pn	04 32 30.1	+0.6
OWD	baz=261						
OWD	baz=261						
EHY	Hungye	1.71	246	eP	Pn	04 32 29.1	-0.3
EHY	baz=245						
EHY	baz=245						
YULB	Yu-ii	1.78	243	eP	Pn	04 32 30.2	-0.2
YULB	baz=242						
YULB	baz=242						
TWF1	Yuli	1.80	242	eP	Pn	04 32 30.7	+0.1
TWF1	baz=241						
TWF1	baz=241						
FULB	Fuli	1.88	238	eP	Pn	04 32 30.9	-0.9
FULB	baz=237						
FULB	baz=237						
CHKT	Chengkung	1.88	234	S	Sn	04 32 55.0	+0.3
CHKT	baz=233						
LIOB	Emei	1.88	284	P	Pn	04 32 32.9	+1.1
LIOB	baz=284						
LIOB	baz=284						
NSTT	Nanjiang	1.89	283	S	Sn	04 32 55.4	+0.2
NSTT	baz=284						
DPDB	Guoxing	1.93	265	P	Pn	04 32 33.2	+0.8
DPDB	baz=265						
DPDB	baz=265						
SSLB	Suanguang	1.94	258	eP	Pn	04 32 32.9	+0.4
SSLB	baz=257						
SSLB	baz=257						
SMLT	Sun Moon Lake	1.97	261	eP	Pn	04 32 33.8	+0.8
SMLT	baz=260						
SMLT	baz=260						
TYC	Yuchr	2.00	262	eP	Pn	04 32 34.2	+0.9
TYC	baz=261						
TYC	baz=261						
JIRB	Irabujima	2.05	72	P	Pn	04 32 34.0	0.0
JIRB	baz=72						
JIRB	baz=72						
IKKM	Ikemajima	2.14	70	eS	Sn	04 33 00.1	-0.8
IKKM	ALIS	2.15	251	eP	Pn	04 32 36.7	+1.1
CHNS	Tsauling	2.23	255	eP	Pn	04 32 37.9	+1.4
CHNS	baz=254						
TWGBT	Beinan	2.23	235	eP	Pn	04 32 36.5	-0.4
TWGBT	baz=231						
TWGBT	baz=231						
TWG	Pinlang	2.27	233	eP	Pn	04 32 36.7	-0.2
TWG	baz=231						
STYT	Tauyuan	2.33	244	eP	Pn	04 32 38.7	+0.9
STYT	baz=243						
STYT	baz=243						
TPUB	Ta-pu	2.38	248	eP	Pn	04 33 04.0	+2.0
TPUB	baz=247						
TPUB	baz=247						
WTP	Ta-pu	2.41	247	eP	Pn	04 32 40.2	+1.4
WTP	baz=246						
WTP	baz=246						
TWK	Hsinying	2.51	248	eP	Pn	04 32 41.9	+1.7
TWK	baz=247						
TWK	baz=247						
EAST	Anshuo	2.71	228	eP	Pn	04 32 43.1	+0.3
EAST	baz=227						
EAST	baz=227						
MASBT	Mashibuluo	2.71	235	eP	Pn	04 32 43.6	+0.6
MASBT	baz=233						
MASBT	baz=233						

**IDC 01 04:39:36.4, 5.7, 37.69N, 72.38E, h157km, 38km, mb3.0/2, mb1.3, 0/8, mb1mx2.8/75, mbtmp3.5/6, Error ellipse: s-maj=75.2km s-min=30.9km az=147.0**  
**NNC 01 04:39:41.0, 5.8, 38.06N, 72.08E, h100km, mb3.2, mpv3.9, Error ellipse: s-maj=48.1km s-min=38.7km az=146.0**  
**ISC 01 04:39:33.1, 2.2, 37.6N, 0.2, 72.0E, h113km, n18, s-c208/22, 5C-3D, Tajikistan**

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
SFK	Sufi-Kurgan	2.58	23	Op	04 40 17.0	+3.2
SFK	19nm, 0.3s					
SFK	60nm, 0.5s					
MNL	Almayashu	4.63	14	P	04 40 43.1	+1.9
MNL	SNR=62					
MNL	ANL	4.85	3	Op	04 40 46.0	+2.1
MNL	9.8nm, 0.4s					
MNAS	1.9nm, 0.5s					
UCH	Uchto	4.91	20	P	04 40 46.8	+1.7
UCH	SNR=14					
KZA	Kyzart	5.01	27	P	04 40 47.6	+1.1
KZA	SNR=8.4					
EKS2	Erkin-Say	5.16	13	P	04 40 50.4	+2.3
EKS2	SNR=5.9					
AAK	Ala-Archa	5.29	19	P	04 40 52.0	+2.1
AAK	3.1nm, 0.3s, baz=170, slow=8.6, SNR=30					
AAK	0.9nm, 0.3s, baz=121, slow=23, SNR=11					
AAK	Ala-Archa	5.29	19	Op	04 40 51.6	+1.7
AAK	3.4nm, 0.3s					
AAK	6.5nm, 0.6s					
AAK	Ala-Archa	5.29	19	P	04 40 52.0	+2.1
AAK	SNR=11					
KK31	Karayat Array	5.61	347	P	04 40 56.7	+2.6
KK31	9.0nm, 0.2s, baz=153, slow=11, SNR=135					
KK31	12nm, 0.8s, baz=143, slow=22, SNR=15					

MKAR	Makanchi Array	11.80	36	P	Pn	04 42 19.4	+1.6
MKAR	0.1nm, 0.3s, baz=213, slow=10, SNR=3.0						
KURBB	Kurchatov Arra	13.74	17	P	Pn	04 42 45.1	+2.2
KURBB	0.1nm, 0.3s, baz=205, slow=11, SNR=7.4						
AB31	Akbulak array	14.61	327	Op	Pn	04 42 55.0	+1.0
AB31	1.5nm, 0.6s, baz=131, slow=14						
AB31	1.0nm, 0.6s, baz=130, slow=26						
BVAR	Borovoye Array	15.44	266	P	Pn	04 43 05.4	+1.0
BVAR	0.2nm, 0.3s, baz=204, slow=3.2, SNR=3.2						
AKTO	Aktubinsk	16.32	326	P	Pn	04 43 16.6	+1.2
AKTO	0.2nm, 0.3s, baz=107, slow=11, SNR=4.4						
ZALV	Zalvesovo Beam	18.48	24	P	P	04 43 37.2	-2.7
ZALV	baz=221, slow=11, SNR=7.7						
TORD	Tordi Ar. Bea	66.70	269	P	P	04 50 11.6	-0.6
TORD	0.1nm, 0.4s, baz=55, slow=5.5, SNR=6.4						
YKA	Yellowknife Ar	80.06	3	P	P	04 51 27.9	-1.8
YKA	0.2nm, 0.4s, baz=350, slow=5.5, SNR=16						

**ISCJB 01 04:45:28.1, 0.5, 84.00N, 0.09, 0.6W, 0.7, h10km, mb3.4/12, MS3.1/7, Error ellipse: s-maj=14.5km s-min=8.5km, az=34.1**  
**IDC 01 04:45:28.9, 0.7, 84.15N, 0.10W, h0km, mb3.5/12, mb1.3/8/13, mb1mx3.5/73, mbtmp3.5/13, ML3.5/1, MS3.2/8, Ms1.3/2/8, ms1mx2.8/58, Error ellipse: s-maj=25.1km s-min=14.0km az=45.0**  
**IEPN 01 04:45:35.0, 84.32N, 5.89E, h20km, station ZFI2 has station magnitude of 3.10**  
**ISC 01 04:45:30.0, 0.7, 83.91N, 0.008, 0.95W, 0.09, h10km, n23, Δ2513/21, mb3.6/12, MS3.0/7, North of Svalbard**

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
KBS	Kingsbay	5.34	152	Op	04 46 48.2	-1.4
KBS	0.2nm, 0.3s, baz=204, slow=3.2, SNR=3.2					
SPAD	Spitsbergen Ar	6.31	146	eP	04 47 46.9	-4.3
SPAD	baz=204, slow=3.2, SNR=3.2					
SPAD	SPAD				04 48 12.8	-2.1
SPAD	baz=204, slow=3.2, SNR=3.2					
SPITS	Spitsbergen Ar	6.31	146	Pn	04 47 04.0	+1.1
SPITS	baz=346, slow=14, SNR=22					
SPITS	baz=2.1, slow=19, SNR=2.6				04 48 10.8	-4.2
ZF2	Zemlya Franca-	6.93	90	eP	04 47 11.1	-0.3
ZF2	8.2nm, 1.1s				04 48 18.6	-1.1
RES	Resolute Bay	16.95	295	Pn	04 49 23.6	-3.2
RES	0.1nm, 0.3s, baz=36, slow=14, SNR=8.1					
RES	comp=Z, 72nm, 19.1s, baz=10, slow=37				04 49 59.5	-1.0
SFJD	Kangerlussuaq	19.70	243	Pn	04 49 59.5	-1.0
SFJD	0.6nm, 0.3s, baz=10, slow=11, SNR=3.4					
NRIK	Norik	21.48	76	LR	04 58 31.1	
NRIK	comp=Z, 538nm, 20.3s, baz=60, slow=37					
NOA	NORSAR Array B	23.16	165	P	04 50 38.6	+2.5
NOA	1.0nm, 0.8s, baz=355, slow=8.3, SNR=3.3					
FRB	Frobisher Bay	24.68	260	P	04 50 51.8	+1.3
FRB	1.8nm, 0.8s, baz=6.8, slow=13, SNR=3.2					
INK	Inuvik	26.34	322	P	04 51 04.5	-1.1
INK	0.8nm, 0.7s, baz=2.5, slow=13, SNR=4.1					

1d 4h

TXAR	comp=Z,3um,19.5s,baz=0.0,slow=38	LR	LR	04 58 39.7
LNIG	Linares 8.88 68 ePn	Pn		04 55 20.8 -0.4
319A	Douglas 9.48 356 ePn	Pn		04 55 32.3 +2.8
EPT	El Paso 10.03 10 ePn	Pn		04 55 39.3 +2.4
MNTX	Cornudas Mount 10.19 16 P	Pn		04 55 37.7 -1.4
MNTX	Cornudas Mount 10.19 16 ePn	Pn		04 55 38.6 -0.5
TLIG	Tlapa 10.35 113 ePn	Pn		04 55 39.8 -1.6
TUC	Tucson 10.58 350 P	Pn		04 55 45.1 +0.6
TUC	Tucson 10.58 350 ePn	Pn		04 55 45.7 +1.2
121A	Cookes Peak, D 10.64 4 P	Pn		04 55 45.9 +0.5
121A	Cookes Peak, D 10.64 4 ePn	Pn		04 55 44.3 -1.1
214A	Organ Pipe Nat 10.73 340 P	Pn		04 55 48.5 +2.1
214A	Organ Pipe Nat 10.73 340 ePn	Pn		04 55 48.0 +1.5
JCT	Junction City 11.63 41 P	Pn		04 55 55.1 -3.7
JCT	Junction City 11.63 41 ePn	Pn		04 55 60.0 +1.1
113A	Mohawk Valley 11.79 338 ePn	Pn		04 56 04.4 +3.8
BNM	Barren Site 12.35 8 ePn	Pn		04 56 12.1 +3.3
GLA	Glamis 12.44 335 P	Pn		04 56 10.8 +0.9
GLA	Glamis 12.44 335 ePn	Pn		04 56 05.6 -4.3
LPM	Los Pinos Moun 12.51 7 ePn	Pn		04 56 14.1 +3.1
LAZ	Ladron 12.54 5 ePn	Pn		04 56 15.0 +3.5
X16A	Wickenburg 12.64 343 ePn	Pn		04 56 14.9 +2.2
X16A	Snowflake 12.66 355 ePn	Pn		04 56 15.9 +2.8
X16A	Lo Mita Camp, P 12.75 349 ePn	Pn		04 56 16.9 +2.7
SWSC	Sam W. Stewart 12.76 331 P	Pn		04 56 16.6 +2.4
Y12C	Blythe 12.95 337 P	Pn		04 56 18.1 +1.3
MSTX	Muleshoe 13.09 22 P	Pn		04 56 15.9 -2.9
MSTX	Muleshoe 13.09 22 ePn	Pn		04 56 19.0 +0.2
ANMO	Albuquerque 13.15 8 P	Pn		04 56 20.4 +0.6
ANMO	Albuquerque 13.15 8 ePn	Pn		04 56 23.8 +4.1
BC3	Big Chuckawall 13.22 334 P	Pn		04 56 22.3 +1.7
W18A	Petrified Fore 13.23 356 P	Pn		04 56 21.7 +0.8
435B	Jarrell 13.24 46 P	Pn		04 56 17.6 -3.3
ABTX	Ablene, Hawle 13.32 35 P	Pn		04 56 20.0 -1.9
ABTX	Ablene, Hawle 13.32 35 ePn	Pn		04 56 18.2 -3.7
PDMCI	Parker Dam, Lak 13.32 340 P	Pn		04 56 23.8 +2.0
IRM	Iron Mountain 13.54 336 P	Pn		04 56 26.7 +1.8
XPFO	Pinyon Flat 13.61 331 ePn	Pn		04 56 31.6 -2.9
PFO	Pinyon Flats 0 13.61 331 Pn	Pn		04 56 30.9 +4.9
PFO	Pinyon Flats 0 13.61 331 P	Pn		04 56 30.2 +4.2
PFO	Pinyon Flats 0 13.61 331 ePn	Pn		04 56 31.6 -2.9
BEJC	Belle Mtn. Jos 13.74 333 P	Pn		04 56 30.0 +2.2
CMIG	Matias Romero 13.75 108 Pn	Pn		04 56 26.6 -1.2
WUAZ	Wupatki 13.81 350 P	Pn		04 56 30.1 +1.4
WUAZ	Wupatki 13.81 350 Pn	Pn		04 56 26.2 -2.6
NEEZ	Needles Airpor 13.90 339 P	Pn		04 56 32.2 +2.4
MURC	Murrieta 13.95 329 P	P		04 56 37.3 -0.7
W13A	Hualapai Mount 13.97 342 ePn	Pn		04 56 33.6 +2.6
WHTX	Lake Whitney, 14.12 42 P	Pn		04 56 32.0 -0.8
WHTX	Lake Whitney, 14.12 42 ePn	Pn		04 56 33.5 +0.7
GMRC	Granite Mounta 14.29 336 P	Pn		04 56 40.2 -1.8
AMTX	Amarillo 14.30 24 P	Pn		04 56 34.8 -0.5
AMTX	Amarillo 14.30 24 ePn	Pn		04 56 35.0 -0.4
HEC	Hector, Ludlow 14.60 334 P	Pn		04 56 41.8 +2.4
BFSC	Mount Baldy Ra 14.69 329 P	P		04 56 47.4 +1.0
U15A	North Rim 14.86 348 ePn	Pn		04 56 46.1 +3.1
GSC	Goldstone, Bar 15.20 333 P	Pn		04 56 48.7 +1.3
GSC	Goldstone, Bar 15.20 333 ePn	Pn		04 56 45.8 -1.6
MVCO	Mesa Verde 15.28 0 P	Pn		04 56 49.8 +1.1
MVCO	Mesa Verde 15.28 0 ePn	Pn		04 56 50.7 +2.0
EDW2	Edwards Air Fo 15.37 329 P	Pn		04 56 51.6 +1.9
WMOK	Wichita Mounta 15.43 32 P	Pn		04 56 48.5 -1.8
WMOK	Wichita Mounta 15.43 32 ePn	Pn		04 56 49.2 -1.1
SHOC	Shoshone, Teco 15.51 337 P	Pn		04 56 54.1 +2.7
KNAB	Kanab 15.53 347 ePn	Pn		04 56 55.0 +3.1
MHTCO	State Highway 15.57 12 ePn	Pn		04 56 55.4 +3.1
LCMT	Little Creek M 15.62 346 ePn	Pn		04 56 56.0 +3.0
T25A	Trinidad 15.63 12 P	Pn		04 56 53.6 +0.4
T25A	Trinidad 15.63 12 ePn	Pn		04 56 56.0 +2.9
SHPR	Sheep Range 15.66 340 ePn	Pn		04 56 56.1 +2.5
LRMC	Laurel Mtn Rad 15.72 332 P	Pn		04 56 55.1 +0.8
PKCU	Pink Cliffs 15.85 349 ePn	Pn		04 57 01.8 +2.3
S22A	4UR Ranch, Cre 15.89 5 P	Pn		04 56 58.4 +1.9
S22A	4UR Ranch, Cre 15.89 5 ePn	Pn		04 57 02.3 +2.4
SDCO	Great Sand Dun 16.04 9 P	Pn		04 56 59.5 +1.1
SDCO	Great Sand Dun 16.04 9 ePn	Pn		04 57 00.1 +1.7
MPMC	Manual Prospec 16.13 333 P	Pn		04 57 00.9 +1.3
CCUT	Cedar City 16.16 346 ePn	Pn		04 57 03.6 +0.7
PV01	Paradox Valley 16.20 360 ePn	Pn		04 57 00.6 +0.1
FURC	Furnace Creek, 16.23 335 P	P		04 57 04.2 +0.8
ISA	Isabella, Lake 16.24 330 ePn	Pn		04 57 02.6 +1.8
TPNV	Topopah Spring 16.43 338 P	P		04 57 06.4 +0.6
TPNV	Topopah Spring 16.43 338 ePn	Pn		04 57 06.4 +0.6
PV04	Paradox Valley 16.46 359 ePn	Pn		04 57 05.3 +1.6
COIG	Comitan 16.49 107 ePn	Pn		04 57 04.4 -2.1
PV09	Paradox Valley 16.57 358 ePn	Pn		04 57 08.4 +0.9
341A	Kurthwood 16.57 52 P	P		04 57 04.3 -1.9
VES	Vestal, Richgr 16.67 329 P	P		04 57 09.9 +1.7
CWC	Cottonwood Cre 16.71 332 P	Pn		04 57 07.6 +0.8
TCRU	Three Creeks R 17.01 350 ePn	Pn		04 57 13.1 +0.8
RCTC	Reclor, Farmer 17.12 329 P	Pn		04 57 13.1 +1.3
Q16A	Castle Valley 17.13 353 ePn	Pn		04 57 15.7 +2.1
SRU	San Rafael Swe 17.26 355 ePn	Pn		04 57 15.2 +1.4
Q24A	Divide 17.28 9 P	Pn		04 57 15.6 +1.5
Q24A	Divide 17.28 9 ePn	Pn		04 57 18.1 +2.7
SMCO	Snowmass 17.30 4 ePn	Pn		04 57 15.1 +0.6
342A	Flagon Creek P 17.31 54 P	Pn		04 57 14.8 +0.5
R11A	Troy Canyon, C 17.49 341 P	Pn		04 57 18.2 +1.6
R11A	Troy Canyon, C 17.49 341 ePn	Pn		04 57 14.3 -2.3

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TMUT	Trail Mountain 17.51 353 Pn	Pn		04 57 17.9 +1.0
P17A	Butcher Ranch, 17.64 354 ePn	P		04 57 20.9 +1.8
P18A	Preston Nutter 17.75 356 ePn	Pn		04 57 22.4 +1.9
KSCO	Kaye Shedlock* 17.82 15 P	Pn		04 57 20.8 +0.2
PMPB	Monarch Peak 17.82 326 ePn	Pn		04 57 21.3 +0.7
645A	Chauvin 17.86 61 P	Pn		04 57 21.0 0.0
TUL1	Leonard 17.88 36 P	Pn		04 57 20.4 -0.9
TUL1	Leonard 17.88 36 ePn	Pn		04 57 19.7 -1.5
Z41A	Richard Creek 17.97 48 P	Pn		04 57 21.9 -0.5
WLAR	White Oak Lake 18.01 46 ePn	Pn		04 57 17.4 -5.4
ISCO	Idaho Springs 18.04 7 P	P		04 57 25.2 +1.5
ISCO	Idaho Springs 18.04 7 ePn	Pn		04 57 26.6 +2.9
OMMB	Old Mammoth Mi 18.09 332 ePn	Pn		04 57 26.4 +2.3
MDPB	Devils Postpil 18.14 332 ePn	Pn		04 57 26.0 +1.3
O20A	White River Ci 18.20 1 P	P		04 57 26.2 +0.8
O20A	White River Ci 18.20 1 ePn	Pn		04 57 25.5 +1.1
444A	Pine Grove 18.22 57 P	Pn		04 57 26.7 +0.3
MIAR	Mount Ida 18.24 43 P	P		04 57 24.3 -1.3
MIAR	Mount Ida 18.24 43 ePn	Pn		04 57 25.2 -0.4
NLU	North Lily Min 18.27 351 ePn	Pn		04 57 28.9 +2.8
MPU	Maple Canyon 18.27 352 ePn	Pn		04 57 27.8 +1.6
NV11	Mina Array Sit 18.45 336 eP	Pn		04 57 31.9 +3.6
Y41A	Eaglette Beard 18.46 46 P	P		04 57 28.0 -0.1
APG	El Apazote 18.47 109 P	P		04 57 28.3 -0.6
APG	0.1nm,0.3s,baz=304,slow=12,SNR=11 LR	LR		05 04 26.3
NV01	Mina Array Sit 18.50 335 eP	Pn		04 57 31.7 +2.7
NVAR	Mina Array Bea 18.50 335 P	P		04 57 29.9 +1.2
NVAR	baz=169,slow=12,SNR=11 LR	LR		05 04 29.0
CBKS	comp=Z,666nm,19.3s,baz=215,slow=37 Cedar Bluff 18.50 22 P	P		04 57 28.8 +0.2
CBKS	Cedar Bluff 18.50 22 eP	Pn		04 57 25.2 -3.3
W39A	Magazine 18.54 41 P	P		04 57 29.2 +0.4
W39A	Magazine 18.54 41 ePn	Pn		04 57 30.3 +1.0
344A	Westbrook Farm 18.55 55 P	Pn		04 57 30.4 +1.0
Z42A	Norrel Spur, H 18.57 49 P	Pn		04 57 30.5 +0.8
DUG	Dugway, Tootee 18.62 350 P	Pn		04 57 31.9 +1.6
DUG	Dugway, Tootee 18.62 350 P	P		04 57 29.9 0.0
143A	Soes Landing, 18.65 51 P	P		04 57 29.8 -0.4
X40A	Basin Creek Fa 18.68 44 P	P		04 57 29.8 -0.7
X40A	Basin Creek Fa 18.68 44 ePn	Pn		04 57 31.4 +0.3
RYN	Ryan 18.76 335 eP	Pn		04 57 37.3 +5.2
JLU	Jordanelle 18.83 353 P	P		04 57 30.1 -2.2
244A	Avery, Jackson 18.86 54 P	P		04 57 33.3 +0.1
X41A	Kaden, Bauxite 18.89 45 P	P		04 57 31.9 -0.9
CTU	Camp Tracy 18.95 353 eP	Pn		04 57 37.9 +3.5
KVN	Kaiserville 18.97 337 eP	Pn		04 57 36.0 +1.3
W40A	Ferguson Farm, 18.98 42 ePn	Pn		04 57 34.2 +0.5
W40A	Ferguson Farm, 18.98 42 eP	Pn		04 57 38.7 +4.1
WAKR	Walker 19.02 333 eP	Pn		04 57 40.4 +5.0
345A	Thompson Farm, 19.03 57 P	P		04 57 35.3 +0.1
V39A	Pettigrew 19.05 40 P	P		04 57 34.4 -0.2
VBMS	Vicksburg 19.07 54 Pn	Pn		04 57 36.3 +0.7
VBMS	Vicksburg 19.07 54 ePn	Pn		04 57 31.8 -2.8
N23A	Red Feather La 19.09 6 P	P		04 57 36.8 +1.6
N23A	Red Feather La 19.09 6 ePn	Pn		04 57 39.7 +3.5
HHAR	Hobbs 19.19 38 eP	Pn		04 57 36.3 +0.3
TCUT	Toone Canyon 19.33 354 eP	Pn		04 57 40.0 +0.9
446A	Poplarville 19.34 59 P	P		04 57 38.1 +0.4
245A	Little AP, Sta 19.45 55 P	P		04 57 39.3 +0.4
W41B	Gary Mavity, V 19.48 44 P	P		04 57 39.9 +0.7
W41B	Gary Mavity, V 19.48 44 ePn	Pn		04 57 40.6 0.0
346A	Big Creek Wild 19.50 57 P	P		04 57 39.7 +0.3
U39A	Green Forest 19.52 39 P	P		04 57 39.7 0.0
T38A	Diamond 19.52 36 P	P		04 57 39.3 -0.4
V40A	Witts Springs 19.53 41 P	P		04 57 39.0 -0.8
V40A	Witts Springs 19.53 41 ePn	Pn		04 57 41.4 +0.1
WHAR	Woodly Hollow 19.53 43 ePn	Pn		04 57 42.9 +1.6
PHWY	Pilot Hill 19.54 7 ePn	Pn		04 57 44.6 +2.9
145A	Houston Renfro 19.69 53 P	Pn		04 57 43.4 +0.3
VNCR	Virginia City 19.78 334 ePn	Pn		04 57 50.4 +6.0
RWWY	Rawlins 19.79 3 ePn	Pn		04 57 48.9 +4.4
OGNE	Ogallala 19.80 15 P	P		04 57 44.7 +1.9
OGNE	Ogallala 19.80 15 ePn	Pn		04 57 44.0 +1.3
HWUT	Hardware Ranch 19.83 353 eP	P		04 57 45.1 +1.8
U40A	Yellville 19.88 40 P	P		04 57 43.6 +0.1
447A	Lucedale 19.91 59 P	P		04 57 43.9 -0.1
V41A	Mountainview 19.93 42 P	P		04 57 44.2 +0.1
KSU1	Kansas State U 19.99 28 P	P		04 57 44.9 +0.1
KSU1	Kansas State U 19.99 28 ePn	Pn		04 57 44.8 0.0
X43A	Marvell 20.00 47 P	P		04 57 45.2 +0.3
W42A	Bald Knob 20.01 44 P	P		04 57 45.0 -0.1
PAHR	Pah Rah Range 20.03 335 eP	Pn		04 57 46.8 +1.5
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Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Springville, Blount Mountain, Red Bud, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Mile Ranch, Lafayette, Kentland, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Lembang, Cbinong, Tangerang, etc.

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

Text block containing technical details and coordinates for station IDC: IDC 01 05:33:00.25:50N, 141.10E, h113km, Mw5.4 Best double couple: M1, 1.000000:1017, NP1:0.245, 0.000000, 0.41, 0.000000, 1.102, 0.000000, NP2:0.49, 0.000000, 0.50, 0.000000, 1.80, 0.000000.

Text block containing technical details and coordinates for station JMA: JMA 01 05:33:49.0:1.25:52N:141:14E, h111km, Mw5. JMA Felt II J.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like JHHJ, Chichi jima, etc.









Table with columns for station name, frequency, power, and status. Includes stations like Wood Farm, Geysers, Garni, Paynes Creek, and others.

Table with columns for station name, frequency, power, and status. Includes stations like GRAC, BLG, TAOE, OSI, AHID, and others.

Table with columns for station name, frequency, power, and status. Includes stations like NB200, NB000, NOA, and others.

Table with columns: Station, Name, Time, Az, El, AzM, ElM, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN. Includes stations like GLA Glamis, SRU San Rafael Swe, CFR Carcallu, ASK Askoy, SFJD Kangerlussuaq, etc.

Table with columns: Station, Name, Time, Az, El, AzM, ElM, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN. Includes stations like S22A 4UR Ranch, S22A 4UR Ranch, S22A Warroad, D31A Mclafflin, UPC Ujice, etc.

Table with columns: Station, Name, Time, Az, El, AzM, ElM, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN. Includes stations like F34A Alexandria, G12A Cookes Peak, GEC2 GERESS Array S, GEC2 GERESS Array S, GEC2 GERESS Array S, etc.







Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include RABL Rabaul, MANU Manus Island, PMG Port Moresby, etc.

Table with columns: Code, Station Name, Time, Res. Rows include 344A Westbrook Farm, 349A Repton, 244A Avery, Jackson, etc.

Table with columns: Code, Station Name, Time, Res. Rows include R39A Chumby, Stover, BNM Barren Site, WCI Wyandotte Cave, etc.

ISCJB 01 06:18:49.6, 0.4, 13.53N, 0.05:91.23W, 0.03, h29km, mb4.2/41, MS3.7/2, Error ellipse: s-maj=7.9km, s-min=3.3km, az=26.1, UCR 01 06:18:49.0, 1.2, 13.17N, 91.26W, h21km, 282km, ML3.5, mb4.3(NEIC), NEIC 01 06:18:56.1, 0.7, 13.78N, 90.96W, h53km, 6km, mb4.3/37, Error ellipse: s-maj=12.0km, s-min=4.6km, az=212.0, IDC 01 06:18:56.5, 2.8, 13.55N, 91.02W, h81km, 21km, mb3.7/12, mb1 3.9/14, mb1mx3.7/45, mbtmp4.0/14, MS3.5/3, Ms1 3.5/3, ms1mx2.8/41, Error ellipse: s-maj=36.1km, s-min=13.9km, az=49.0, ISC 01 06:18:51.0, 0.6, 13.37N, 0.06:91.22W, 0.05, h29km, n220, #170/229, mb4.3, 1.1, 13.17N, 91.23W, 0.03, h29km, n220,

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include SBLS San Blas, SBLs San Jose, SNUJ El Apazote, etc.

Table with columns: Code, Station Name, Time, Res. Rows include 448A Mountain View, 449A Mountain View, 447A Mountain View, etc.

Table with columns: Code, Station Name, Time, Res. Rows include R39A Chumby, Stover, BNM Barren Site, WCI Wyandotte Cave, etc.



1d 7h

Table listing station names, coordinates, and various parameters for stations in the 1d 7h region.

ISCJB 01 06:40:28.4.0.5, 35.35N; 140.140E; 0.05, h52km, 3km, mb3.5/7, Error ellipse: s-maj=7.2km s-min=5.9km az=149.6

IDC 01 06:40:29.7.2.1, 35.31N; 140.48E, h55km, 21km, mb3.2/7, Mb1 3.5/10, mb1mx3.3/6.8, mbtmp3.6/10, MLJ-0.24, M2.5/1, M5.1 2.5/1, ms1mx2.2/19, Error ellipse: s-maj=24.7km s-min=7.5km az=71.0

JMA 01 06:40:29.0.2.0, 35.47N; 140.46E, h54km, 2km, M3.0, ISC 01 06:40:29.6.0.8, 35.35N; 140.140E; 0.05, h55km, 6km, n19, az=140/32, mb3.6/7, Near east coast of eastern Honshu

Table listing station names, coordinates, and various parameters for stations in the eastern Honshu region.

MEX 01 06:41:57.0.0.7, 16.29N; 98.44W, h5km, MD3.9, Near coast of Guerrero

Table listing station names, coordinates, and various parameters for stations in the Guerrero region.

ISCJB 01 06:59:49.3.0.6, 6.83N; 103.73W, 0.04, h155km, 5km, mb3.0/2, Error ellipse: s-maj=7.7km s-min=4.3km az=26.8

IDC 01 06:59:50.4.1.6, 7.20N; 73.38W, h128km, 25km, mb2.7/2, Mb1 3.1/4, mb1mx2.9/4.4, mbtmp3.3/4, Error ellipse: s-maj=49.2km s-min=15.2km az=136.0

RSNC 01 06:59:51.0.0.8, 6.80N; 73.11W, h146km, 4km, ML3.1, ISC 01 06:59:50.0.0.9, 6.82N; 104.07W; 0.05, h149km, 6km, n24, az=74/43, 1C, Northern Colombia

Table listing station names, coordinates, and various parameters for stations in the Northern Colombia region.

2012 MAY

Table listing station names, coordinates, and various parameters for stations in the 2012 MAY region.

ISCJB 01 07:00:16.3.0.7, 28.11N; 0.1x139.8E; 0.1, h350km, mb3.5/12, Error ellipse: s-maj=17.7km s-min=10.3km az=139.1

IDC 01 07:00:17.3.0.8, 28.10N; 139.98E, h349km, 8km, mb3.3/11, mb1 3.3/15, mb1mx3.1/6.4, mbtmp4.0/15, Error ellipse: s-maj=23.4km s-min=14.5km az=57.0

ISC 01 07:00:17.5.0.9, 28.10N; 140.0E; 0.1, h350km, n17, az=78/20, mb3.5/12, Bonin Islands region

Table listing station names, coordinates, and various parameters for stations in the Bonin Islands region.

ISCJB 01 07:01:06.2.0.6, 17.9S; 0.1x178.4W; 0.1, h579km, mb3.8/14, Error ellipse: s-maj=19.4km s-min=12.9km az=40.7

IDC 01 07:01:09.2.1.7, 17.98S; 178.41W, h603km, 21km, mb3.9/15, mb1 3.5/16, mb1mx3.3/4.8, mbtmp3.3/16, Error ellipse: s-maj=17.9km s-min=12.2km az=144.0

ISC 01 07:01:07.5.0.6, 17.9S; 0.1x178.5W; 0.1, h579km, n19, az=113/21, mb3.8/14, Fiji Islands region

Table listing station names, coordinates, and various parameters for stations in the Fiji Islands region.

16

Table listing station names, coordinates, and various parameters for stations in the 16 region.

NEIC 01 07:36:38.3.0.0, 16.38N; 95.85W, h7km, MD4.0(MEX), After MEX

MEX 01 07:36:38.3.0.0, 16.38N; 95.85W, h7km, 7km, MD4.0, Oaxaca

Table listing station names, coordinates, and various parameters for stations in the Oaxaca region.

IDC 01 07:41:03.0.1.2, 34.41N; 138.30E, h0km, mb3.3/3, mb1 3.5/4, mb1mx3.2/6.5, mbtmp3.3/4, ML3.4/1, Error ellipse: s-maj=43.4km s-min=17.7km az=56.0

ISCJB 01 07:41:04.0.6.0, 35.02N; 140.00E; 0.05, h69km, 4km, mb3.3/3, Error ellipse: s-maj=7.2km s-min=5.3km az=41.3

JMA 01 07:41:05.1.0.1, 35.05N; 139.96E, h68km, 2km, M3.0, az=60, and final plane solution: P: 0.999, N: 0.999, NP2: 0.184, 0.0000, 884, 0.0000, 2, 0.00000. Principal axes: T: P1g6.0000, Azm49.0000, N: P1g83.0000, Azm256.0000; P: P1g3.0000, Azm139.0000;

JMA Fell J1, ISC 01 07:41:05.5.1.0, 35.03N; 140.00E; 0.04, h63km, 6km, n19, az=74/31, mb3.5/3, 4C-5D, Near south coast of eastern Honshu

Table listing station names, coordinates, and various parameters for stations in the eastern Honshu region.

WEL 01 07:44:20.0.40S; 177E; h45km, 2km, ML3.7/16, Cook Strait

Table listing station names, coordinates, and various parameters for stations in the Cook Strait region.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Kaweka Forest, Toray Channel, Prorahau, Rangitukia, Baring Head, etc.

MEX 01 08:21:47.0, 0.3, 16.20N-96.01W, h10km, 3km, MD3.6, Near coast of Guerrero. Table with columns: Code, Station Name, Az, Phase ID, Time, Res.

IDC 01 08:55:04.7, 0.4, 27.54S:71.00W, h0km, mb4.6/17, mb1.4/6/19, mb1mx4.5/35, mbtmp4.5/19, ML4.1/2, MS3.6/18, Ms1.3/4/14, ms1mx3.5/33, Error ellipse: s-maj=20.6km s-min=12.9km az=82.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Caldera, Copiap, Las Campanas, etc.

IDC 01 07:52:16.2, 1.2, 11.00S:162.22E, h0km, mb3.7/6, mb1.4/0.8, mb1mx3.8/50, mbtmp3.8/8, ML4.0/2, MS3.5/4/14, Ms1.3/4/14, ms1mx3.1/45, Error ellipse: s-maj=31.1km s-min=24.3km az=117.0

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

ISCJB 01 07:52:20.1, 0.8, 10.95S:0.09:162.11E:0.10, h36km, MS3.6/2, MS3.4/11, Error ellipse: s-maj=16.5km s-min=9.3km az=117.0

ISC 01 07:52:22.1, 0.9, 10.95S:0.1:162.11E:0.1, h36km, m28, s158/12, mb3.6/6, MS3.4/11, Bougainville-Solomon Islands region

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

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Abbeville, Repton, Jackson, Midway, Montrose, Camden, Opelika, etc.

IDC 01 08:06:06.2, 1.1, 0.2239S:177.58W, h0km, mb3.9/3, mb1.4/2/3, mb1mx3.7/45, mbtmp3.9/3, MS3.4/1, Ms1.3/4/1, ms1mx2.5/47, Error ellipse: s-maj=379.3km s-min=95.8km az=140.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Stephens Creek, Alice Springs, Warrungarra Arr, etc.









Table with columns: AFI, Afiamalu, 51.94 52 LR LR, 11 22 26.1, etc. Includes entries for H08S2, H08S1, H08S3, BOSA, CMAR, KRSRS, FINES, and GERES.

ISCJB 01 11:37:33.7, 0.6, 8.41S; 0.05x121.81E, 0.05, h10km, mb3.7/3, MS2.8/2, Error ellipse: s-maj=7.6km s-min=-6.8km az=173.1

IDC 01 11:37:35.8, 1.1, 7.47S; 122.89E, h0km, mb3.7/3, mb1.0/6, mb1.3/5, mb1.3/5, mb1.3/5, mb1.3/5, MS3.1/4, MS1.3/4, ms1mx2.7/52, Error ellipse: s-maj=11.4, km s-min=20.2km az=64.0

DJA 01 11:37:36.0, 0.3, 8.53S; 3x12.2E, h10km, M4.0/12, MLV4.0/12

ISC 01 11:37:34.8, 0.8, 8.47S; 0.05x121.78E, 0.04, h10km, n21, e=230/22, mb3.9/3, Flores region

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes stations like Ende, Flores, Maumere, Waingapu, Baing, Sumba, Baunata, etc.

MAN 01 12:00:36.6, 12:40N:124.52E, h34km, mb4.3, ML3.1, MS2.9, 1D, Samar

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes stations like Catmaran, Borongan, Palo, etc.

NEIC 01 12:09:40.0, 0.0, 14.10N; 93.29W, h9km, mb4.4/142, MD4.5(MEX), After MEX.

GCMX 01 12:09:40.0, 0.0, 14.10N; 93.29W, h9km, 12km, MD4.5 MEX01 12:09:40.0, 0.0, 14.32N; 93.26W, h19km, MW4.9/85, Moment Tensor Solution: s41,c50; s85,c118; Duration: 0

Moment tensor: Scale 10^19Nm; Mrz.71±14; Mw=2.22±0.09; Mb=0.47±0.21; Best double couple: M2.93900x10^16 NP1±110.00000°, S60.00000°, J.89.00000°; NP2: 0±292.00000°, S30.00000°, J.92.00000°. Principal axes: T 3.0940, Plg75.0000°, Azm17.0000°; N -0.1910, Plg1.0000°, Azm111.0000°; P -2.9050, Plg15.0000°. Azm201.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

IDC 01 12:09:46.1±1.6, 14.59N; 92.89W, h49km, 13km, mb4.0/24, mb1.4/128, mb1mx4.0/56, mb1mp4.3/28, ML4.2/4, MS4.1/29, MS1.4/129, ms1mx4.0/46 Error ellipse: s-maj=24.8km s-min=9.3km az=43.0

UCR 01 12:09:43.5±1.2, 14.15N; 92.55W, h117km, 61km, ML3.9, mb4.4(NEIC)

ISC 01 12:09:44.2±1.0, 14.22N; 0.05x93.19W, 0.04, h49km, 8km, n415, e190/413, mb4.3/134, MS4.2/25, 1D, Near coast of Chiapas

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes stations like Huatulo, Matias Romero, San Blas, San Jose, etc.

Table with columns: LCND, La Ca'ada, 5.23 99 eP Pn, 12 10 57.0 -2.9, etc. Includes stations like TGUH, TLIG, LVIG, ESTN, MYIG, TEIG, ESPN, JTS, etc.

ISCJB 01 11:37:33.7, 0.6, 8.41S; 0.05x121.81E, 0.05, h10km, mb3.7/3, MS2.8/2, Error ellipse: s-maj=7.6km s-min=-6.8km az=173.1

IDC 01 11:37:35.8, 1.1, 7.47S; 122.89E, h0km, mb3.7/3, mb1.0/6, mb1.3/5, mb1.3/5, mb1.3/5, MS3.1/4, MS1.3/4, ms1mx2.7/52, Error ellipse: s-maj=11.4, km s-min=20.2km az=64.0

DJA 01 11:37:36.0, 0.3, 8.53S; 3x12.2E, h10km, M4.0/12, MLV4.0/12

ISC 01 11:37:34.8, 0.8, 8.47S; 0.05x121.78E, 0.04, h10km, n21, e=230/22, mb3.9/3, Flores region

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes stations like La Ca'ada, Tegucigalpa, Tlaga, Laguna Verde, Estel, MOrida, Tepich, Las Esperanzas, JuntasAbangare, etc.

MAN 01 12:00:36.6, 12:40N:124.52E, h34km, mb4.3, ML3.1, MS2.9, 1D, Samar

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes stations like Camden, Blakely, Tumo, La Paz, Livingston, Camilla, Long Farm, Mag, etc.

NEIC 01 12:09:40.0, 0.0, 14.10N; 93.29W, h9km, mb4.4/142, MD4.5(MEX), After MEX.

GCMX 01 12:09:40.0, 0.0, 14.32N; 93.26W, h19km, MW4.9/85, Moment Tensor Solution: s41,c50; s85,c118; Duration: 0

Moment tensor: Scale 10^19Nm; Mrz.71±14; Mw=2.22±0.09; Mb=0.47±0.21; Best double couple: M2.93900x10^16 NP1±110.00000°, S60.00000°, J.89.00000°; NP2: 0±292.00000°, S30.00000°, J.92.00000°. Principal axes: T 3.0940, Plg75.0000°, Azm17.0000°; N -0.1910, Plg1.0000°, Azm111.0000°; P -2.9050, Plg15.0000°. Azm201.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

IDC 01 12:09:46.1±1.6, 14.59N; 92.89W, h49km, 13km, mb4.0/24, mb1.4/128, mb1mx4.0/56, mb1mp4.3/28, ML4.2/4, MS4.1/29, MS1.4/129, ms1mx4.0/46 Error ellipse: s-maj=24.8km s-min=9.3km az=43.0

UCR 01 12:09:43.5±1.2, 14.15N; 92.55W, h117km, 61km, ML3.9, mb4.4(NEIC)

ISC 01 12:09:44.2±1.0, 14.22N; 0.05x93.19W, 0.04, h49km, 8km, n415, e190/413, mb4.3/134, MS4.2/25, 1D, Near coast of Chiapas

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes stations like Ashland, Otavalo, Basin Creek, UCParc, Winfie, Northport, Abbeville, Yaguez Farm, etc.

Table with columns: W39A, Magazine, 20.89 359 P P, 12 14 22.2 -0.2, etc. Includes stations like Magazine, Hartelle, Woolly Hollow, Wichita Mounta, Godfrey, etc.

ISCJB 01 11:37:33.7, 0.6, 8.41S; 0.05x121.81E, 0.05, h10km, mb3.7/3, MS2.8/2, Error ellipse: s-maj=7.6km s-min=-6.8km az=173.1

IDC 01 11:37:35.8, 1.1, 7.47S; 122.89E, h0km, mb3.7/3, mb1.0/6, mb1.3/5, mb1.3/5, mb1.3/5, MS3.1/4, MS1.3/4, ms1mx2.7/52, Error ellipse: s-maj=11.4, km s-min=20.2km az=64.0

DJA 01 11:37:36.0, 0.3, 8.53S; 3x12.2E, h10km, M4.0/12, MLV4.0/12

ISC 01 11:37:34.8, 0.8, 8.47S; 0.05x121.78E, 0.04, h10km, n21, e=230/22, mb3.9/3, Flores region

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes stations like W39A, Magazine, Hartelle, Woolly Hollow, Wichita Mounta, Godfrey, etc.

MAN 01 12:00:36.6, 12:40N:124.52E, h34km, mb4.3, ML3.1, MS2.9, 1D, Samar

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes stations like Barren Site, Lebanon, Jilco Farms, Stockton, Bolivar, Kings Mountain, Pinos Moun, Fulton Ridge, Caledonia, Ladrón, Cathedral Cave, Tazewell, Albuquerque, Fenwick Farm, Madies Statio, Chumby, Stover, Rosebud, Luebering, Red Bud, Tucson, Tucson, Gibou Southern, Cooks Store, C, Truon, Trinidad, Kansas State U, Kansas State U, Warren Harve, State Highway, Salisbury, Paris, Snowflake, Dawn, Barry, Barry, La Belle, Great Sand Dun, Great Sand Dun, Wolfen Farm, etc.

NEIC 01 12:09:40.0, 0.0, 14.10N; 93.29W, h9km, mb4.4/142, MD4.5(MEX), After MEX.

GCMX 01 12:09:40.0, 0.0, 14.32N; 93.26W, h19km, MW4.9/85, Moment Tensor Solution: s41,c50; s85,c118; Duration: 0

Moment tensor: Scale 10^19Nm; Mrz.71±14; Mw=2.22±0.09; Mb=0.47±0.21; Best double couple: M2.93900x10^16 NP1±110.00000°, S60.00000°, J.89.00000°; NP2: 0±292.00000°, S30.00000°, J.92.00000°. Principal axes: T 3.0940, Plg75.0000°, Azm17.0000°; N -0.1910, Plg1.0000°, Azm111.0000°; P -2.9050, Plg15.0000°. Azm201.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

IDC 01 12:09:46.1±1.6, 14.59N; 92.89W, h49km, 13km, mb4.0/24, mb1.4/128, mb1mx4.0/56, mb1mp4.3/28, ML4.2/4, MS4.1/29, MS1.4/129, ms1mx4.0/46 Error ellipse: s-maj=24.8km s-min=9.3km az=43.0

UCR 01 12:09:43.5±1.2, 14.15N; 92.55W, h117km, 61km, ML3.9, mb4.4(NEIC)

ISC 01 12:09:44.2±1.0, 14.22N; 0.05x93.19W, 0.04, h49km, 8km, n415, e190/413, mb4.3/134, MS4.2/25, 1D, Near coast of Chiapas

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes stations like Ashland, Otavalo, Basin Creek, UCParc, Winfie, Northport, Abbeville, Yaguez Farm, etc.

1d 12h

Table with columns: ID, Name, Time, Az, El, Az, El, Az, El, Az, El. Rows include stations like X16A, KSCO, 113A, 045A, S22A, N38A, HUMP, SFIN, Y14A, MVCO, WUWZ, Q24A, M38A, GLA, M43A, PDMCI, PV15, PV05, PV03, SMC0, ISCO, OGNE, PV07, L40A, IKP, PV04, L36A, PV10, W13A, U15A, BC03, PV09, IRM, XPFO, PFO, LDFO, KNB, JFWS, LCMT, O56A, O56A, O20A, MTPU, SRU, Q16A, CCUT, P18A, MSU, SSPA, ECSD, ECSD, SHPR, PSUT, MPU, H40A, NLU, K22A, TPNV, N59A, JL9A, MPMC, DAC, G32A, SC9A, DUG, DUG, TCUT, R11A, R11A, RSSD, RSSD, G43A, BINY, F41A, HWUT, F38A, F38A, F38A, F40A.

2012 MAY

Table with columns: ID, Name, Time, Az, El, Az, El, Az, El, Az, El. Rows include stations like BGU, PD31, PDAR, PDAR, PDAR, E39A, E36A, E40A, HVU, AHID, NV11, SADO, SADO, MDPB, REDW, NV01, NVAR, NVAR, SNOW, D37A, LOHW, TPWA, RYN, MOOW, FXWY, KVN, IMW, C35A, C38A, C36A, BMN, H17A, C39A, EYMN, RLMT, RLMT, YMR, YHR, B35A, AGMN, LAO, B32A, B34A, GCMT, HLID, HLID, MCZT, BOZ, LRM, WVOR, ULM, ULM, ULM, PTGA, MOD, J08A, EGMT, EGMT, MSO, MSO, YBH, F10A, LPAZ, LPAZ, FFC, EDM, RPN, FCC, SCHO, YKA, YKA, YK3W, TAOE, TAOE, DLBC, DLBC, RKT, PLCA, PLCA, SFJD, INK, INK.

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Table with columns: ID, Name, Time, Az, El, Az, El, Az, El, Az, El. Rows include stations like RES, RES, RIDG, IL1, ILAR, ILB, RND, MCK, SPU, KTH, BPAW, CAST, MLY, PPT, PPT2, TOLK, TOLK, BORG, RAR, EKA, SPITS, SPITS, ESDD, AFI, NB2, NB20, NOA, NOA, NOA, KOWA, HFS, HFS, ARAO, ARBC, DBIC, SEY, TIXI, GERES, FIAO, FINES, FINES, FINES, TOA1, TORD, TORD, KEST, AKASO, KURB, KURB, KSH, WDR, WDR, CMAR, HYB.

IDC 01 12:18:06.5z, 1.17, 355x175, 13W, h230km, 20km, mb3.6/14, mb1 3.9/16, mb1m 3.6/47, mbtmp 4.2/16, Error ellipse: s-maj=23.9km s-min=10.5km xaz=142.0 WEL 01 12:18:10.7z, 17.5z, 16x17, 6Wz, 3.1, h326km, 15km ISC 01 12:18:08.0z, 6.17, 2S:0.1x175, 0W:0.1, h256km, n37, e1534/42, mb3.7/16, Tonga Islands

Table with columns: Code, Station Name, Time, Az, El, Az, El, Az, El, Az, El. Rows include stations like AFI, AFI, DZM, MXZ, KUZ, WNGI, WIAZ, HAZ, PKGZ, PUZ, MIKZ, RWJ, TWGZ, AWAZ, MWZ, MWZ, TOZ, URZ, URZ, URZ, MUGZ, MUGZ, NMHZ, BKZ, CTA, STKA, WRA, ASAR, MJAR, LEM, YBH, KSRS, NVAR, TXAR, DLBC, ILAR, PDAR, DLBC, ILAR, PDAR, CMAR.

YKA Yellowknife Ar 92.36 24 P P 12.30 50.5 +0.7
BRTR Keskin Array B 146.49 318 PKPbc PKPbc 12.37 20.9 +0.6

KRNET 01 12:23:55.8-0.1,39.96N-77.06E,mb3.1
NCC 01 12:23:56.6-2.3,40.00N-77.19E,h0km,mb3.5,mpv3.2,
Error ellipse: s-maj=22.5km s-min=11.9km az=127.0

ISC 01 12:23:56.4-2.1,40.00N-0.07-77.00E,0.06,h3km,15km,
n27,r198/40,25C-10D,Southern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NRN Naryn, KDJ Kajisay, ULHL Ulahol, etc.

ISC/JB 01 12:33:19.1-1.5,37.08N-0.04-141.46E,0.07,h10km,6km,
mb3.2/3,Error ellipse: s-maj=10.0km s-min=6.6km
az=25.8

JMA 01 12:33:20.5-0.1,37.07N-141.39E,h29km,1km,M3.1
IDC 01 12:33:20.8-2.0,37.29N-141.20E,h0km,mb3.2/3,
mb1.3,3.4,mb1mx3.1/62,mbtmp3.1/4,ML2.6/1,Error
ellipse: s-maj=40.6km s-min=28.8km az=64.0

ISC 01 12:33:22.2-1.6,37.15N-0.005-141.26E,0.08,h19km,4km,
n11,r130/19,mb3.2/3,Near east coast of eastern
Honsu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ONAJ Iwakimizuishiy, JFK Kawauchi, JHO Hitachi, etc.

ISC/JB 01 12:35:59.0-0.2,23.82N-0.01-121.53E,0.02,h68km,2km,
mb3.4/7,Error ellipse: s-maj=2.8km s-min=1.7km
az=137.5

TAP 01 12:35:59.9,23.81N-121.48E,h61km,ML4.1,B
JMA 01 12:36:00.3-0.1,24.00N-121.56E,h89km,3km,M3.9
IDC 01 12:36:02.4-7.3,23.77N-121.48E,h97km,71km,mb3.2/7,
mb1.3,4.8,mb1mx3.1/62,mbtmp3.5/8,ML3.2/1,Error
ellipse: s-maj=42.9km s-min=16.2km az=67.0

ISC 01 12:35:59.8-0.7,23.82N-0.02-121.51E,0.02,h61km,4km,
n125,r116/201,mb3.6/7,26C-28D,Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ESL Shilin, WRA Warrungga Arr, ENLB Shoufeng.

Main table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like ENLB baz=40, EGFB Guangfu, HWA Hwallen, etc.

Main table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like WTP baz=233, CHY Chiayi, WLBW Daxi, etc.





Table with columns: BRTR, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Keskin Array B, BUR08 Bucovina Ar. S, etc.

UCR 01 13:34:56.3, 1.4, 14.52N:94.51W, h32km, 999km, ML4.3, mb4.6(NEIC)
NEIC 01 13:35:11.3, 0.3, 14.27N:93.07W, h10km, mb4.6/8.5, MD4.4(MEX), Error ellipse: s-maj=7.9km s-min=4.4km az=37.0
MEX 01 13:35:13.5, 0.5, 14.17N:93.30W, h14km, 57km, MD4.4
ISCBJ 01 13:35:16.3, 0.6, 14.39N:0.04:93.02W, 0.0, h63km, 4km, mb4.5/81, Error ellipse: s-maj=6.8km s-min=4.0km az=35.2
IDC 01 13:35:18.4, 2.8, 14.43N:92.88W, h61km, 22km, mb4.1/19, mb1.4/2.22, mb1.4/1.45, mb1mp4.3/22, ML3.9/3.53, 7/15, Ms 1.3/7.15, ms1mx3.5/48, Error ellipse: s-maj=29.1km s-min=12.9km az=42.0
ISC 01 13:35:15.7, 1.3, 14.33N:0.07:93.11W, 0.06, h45km, 10km, n324, s115/329, mb4.5/82, MS3.7/12, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like THIG, PCIG, CMIG, BOQS, SNET, LFRS, PACA, TLIG, LVIG, etc.

Table with columns: TXAR, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Lajitas Ar. Si, Little AP, Sta Perry, Vicksburg, etc.

Table with columns: comp-Z, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like TKL, S40A, T47A, etc.

Table with columns: ID, Name, Az, El, AzEl, P, S, AzEl, P, S, AzEl, P, S. Rows include G38A, G39A, G42A, etc.

Table with columns: YKA, WKWS, DLBC, SFJD, INK, INK, EGAK, RES, ILI, ILAR, ILB, TOLK, BORG, ESID, ES19, NB2, NOA, NOA, KOWA, KOWA, HFS, ARCES, DBIC, TIXI, GERES, FINES, TORD, KURK, kurbs, NV01, MKAR, KSH, KSH, CD2, WRA, ASAR, CHTO, CHMR, HYB. Rows include comp-Z, 1.4nm, 0.7s, etc.

ISC/JB 01 13:42:06.2+1.1, 36.21N; 0.06; 143.44E; 0.09, h33km, mb3.7/2, Error ellipse: s-maj=10.4km s-min=7.8km

JMA 01 13:42:08.1+0.3, 36.23N; 143.33E, h54km, M2.8, IDC 01 13:42:13.7+0.3, 36.23N; 142.27E, h42km, mb3.0/2, mb1.3/9.2, mb1mx3.2/6.1, mbtrp3.8/2, ML2.6/1, Error ellipse: s-maj=206.8km s-min=29.5km az=48.0

ISC 01 13:42:07.9+1.6, 36.22N; 0.08; 143.5E; 0.1, h35km, n16, o#99/17, Off east coast of Honshu

Table with columns: Code, Station Name, Az, El, AzEl, Phase ID, Time, Res. Rows include ONAJ, JHO, JHO, JFT, JFT, JAG, JMK, JMK, JYK, JYK, JOM, JOM, MJAR, MJAR, MJAR, H11N, H11N, H11N, H11N, H11S, H11S, H11S, WRA, ASAR.

IDC 01 13:49:54.6+8.0, 13.51N; 93.03W, h74km; 6.1km, mb3.2/2, mb1.3/5.4, mb1mx3.2/4.2, mbtrp3.3/4, ML3.3/2, Error ellipse: s-maj=122.5km s-min=45.8km az=166.0, Off coast of Chiapas

Table with columns: Code, Station Name, Az, El, AzEl, Phase ID, Time, Res. Rows include APG, APG, APG, TXAR, NVAR, YKA.

NEIC 01 13:57:20.8+0.6, 14.16N; 93.02W, h10km, mb4.3/31, MD4.1(MEX), Error ellipse: s-maj=11.9km s-min=7.2km az=28.0

MEX 01 13:57:24.9+0.5, 14.23N; 93.31W, h16km, 7.1km, MD4.1, IDC 01 13:57:32.1+3.2, 14.58N; 92.81W, h80km, 2.3km, mb3.8/11, mb1.4/0.14, mb1mx3.7/4.9, mbtrp4.1/1.4, MS3.1/7, mb1.3/1.7, ms1mx3.0/4.7, Error ellipse: s-maj=48.9km s-min=16.3km az=36.0

ISC 01 13:57:24.6+1.8, 14.35N; 0.07; 93.08W; 0.06, h49km; 11km, n133, #1808/138, mb4.2/34, MS3.3/5, Near coast of Chiapas

Table with columns: Code, Station Name, Az, El, AzEl, Phase ID, Time, Res. Rows include THG, THG, THG, THG, THG, PCIG, PCIG, PCIG, CCIG, CCIG, CCIG.

Table with columns: CCIG, TGIG, TGIG, TGIG, APG, APG, APG, CMIG, CMIG, CMIG, TLIG, LVIG, JTS, JTS, JTS, JTS, JTS, ZATCA, CHAPPARL WMA, HKT, HKT, JCT, TXAR, TXAR, TXAR, TX31, TUMC, TUMC, 151A, 249A, X39A, MIAR, GDL2, 155A, MNTX, W41B, W39A, GOGA, X49A, V41A, V40A, RUSC, MSTX, V42A, HHAR, AMTX, U40A, U41A, U39A, V47A, U42A, PBMO, 121A, T39A, SDV, SDV, SDV, T41A, T42A, T40A, TKL, S40A, S41A, S41A, BNM, S39A, CCM, CCM, LAZ, R38A, ANMO, ANMO, R40A, R39A, R41A, R42A, R43A, R43A, TUC, TUC, TUC, Q38A, Q41A, Q39A, Q45A, mHTCO, P39B, P37A, P37A, P38A, P42A, P41A, P44A, O37A, SDCO, N38A, MVCO. Rows include comp-Z, 1.30nm, 18.7s, etc.



1d 13h

Table with columns: SMCO, SNOW, DLMT, MSTX, IMW, SDCO, SDCO, KMI, BW06, PD31, PDAR, JCT, T25A, H17A, BOZ, BOZ, ISCO, WALA, N23A, IL1, ILAR, HHC, HHC, HHC, HHC, ABTX, RLMT, K22A, CD2, JDS, RSSD, RSSD, ZLHV, ZLHV, ZLHV, DGMT, 857A, 855A, EYMN, E39A, WMQ, WMQ, WMQ, M54A, ZALV, MK31, MKAR, KSH, KSH, KSH, KURK, KURK, KURKB, KURBB, KURBB, BOS, KARAT, BVAR, BVAR, SPITS, ARCES, RAYN, FINES, AKN, DOMB, NC03, FOO, NC05, NB01, NB2, NB2, NOA, NB00, NB00, NA01, NC60, SUE, HAF, OSL, LRW, KRO, KONO, STRU, KMY, HOMB, SNART, AKASG, AKASG, AKCB, KIEV, AK11, KPL, MMAI, etc.

Table with columns: EKA, BRTR, BUR0, BUR04, CLL, CLL, CLL, CLL, CLL, BRG, NKC, KHC, KHC, GERES, ESDC, TOAD, TOAD, TORD, TORD, IDC 01, NEIC 01, MOS 01, ISCJ, BUI, DJA, etc.

Table with columns: WOJI, BUTN, SMRI, RKPI, KSM, UGM, UGM, MASLP, JASL, MTN, KPJI, OCLP, ENPP, PLP, TPI, CMJI, BUSEP, LEM, LEM, CISI, CISI, OTRP, SJMP, FITZ, PPBI, PAANG, APBP, SKJI, BOAC, SBJI, PVCP, LUBP, CGJI, TGJ, TGJ, BLSI, PMBI, KLI, DSRI, KASI, TPRI, MDSI, LWLI, GENI, BALP, SCBP, MBWA, MBWA, MYKOL, BOLP, MNAI, CAUP, MASI, ABRA, APYP, KRJI, SSSI, WRA, WRA, BKNI, PDSI, PPSI, IPM, KULM, SISI, SKLT, COEN, AS31, ASAR, ASAR, ASAR, ASO1, TRTT, QIZ, QIZ, QIZ, QIZ, QIZ, QIZ, PMG, PMG, PMG, SKNT, etc.







Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like FINES, EGAK, VRI, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like G39A, F40A, K36A, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like TGIG, TGIG, HUIG, etc.



1d 14h

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

IDC 01 14:16:01.7, 1.2, 2.4, 93S, 175.89W, h0km, mb4.2/7, mb1 4.4/8, mb1mx4.0/48, mbtmp4.2/8, ML3.3/1, MS4.0/5, Ms1 4.0/5, ms1mx3.4/47, Error ellipse: s-maj=45.4km s-min=23.3km az=104.0

NEIC 01 14:16:03.3, 0.2, 24.138S, 175.90W, h10km, mb4.9/3, Error ellipse: s-maj=19.4km s-min=14.1km az=101.0

ISCJB 01 14:16:05.3, 0.8, 24.99S, 0.07, 176.0W, 0.1, h33km, mb4.3/10, MS4.1/4, Error ellipse: s-maj=19.2km s-min=9.8km az=10.7

ISC 01 14:16:06.7, 0.8, 24.94S, 0.08, 175.9W, 0.1, h35km, n22, e144/20, mb4.3/10, MS4.0/4, 1C, South of Tonga Islands

Main table for 1d 14h section, listing station data for stations like MSFV, URZ, RAR, FUNA, etc.

JMA 01 14:17:35.0, 0.2, 24.30N, 121.70E, h59km, 3km, M2.7

ISCJB 01 14:17:37.4, 0.2, 24.43N, 121.89E, 0.02, h25km, 2km, Error ellipse: s-maj=2.7km s-min=2.1km az=31.4

TAP 01 14:17:37.1, 24.45N, 121.83E, h25km, ML3.2, B

ISC 01 14:17:37.4, 0.2, 24.42N, 121.86E, 0.02, h26km, 4km, n65, e062/119, Taiwan

Main table for 1d 14h section, listing station data for stations like ENAH, NANB, ENA, etc.

2012 MAY

Main table for 2012 MAY section, listing station data for stations like TWA, TATO, TATO, etc.

IDC 01 14:23:43.3, 12.0, 22.69N, 108.31W, h0km, mb2.7/2, mb1 3.4/5, mb1mx3.2/56, mbtmp3.0/5, ML3.1/3, MS2.9/2, Ms1 2.9/2, ms1mx2.7/9, Error ellipse: s-maj=180.7km s-min=43.9km az=172.0, Off coast of central Mexico

Main table for 2012 MAY section, listing station data for stations like LPIG, TXAR, NVAR, etc.

Main table for 2012 MAY section, listing station data for stations like WRA, ASAR, MKAR, etc.







1d 14h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like TESR, SEV, CUALT, LEO, etc.

2012 MAY

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

36

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







Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NNSB Datong, NNSB, NNS, NACB, TWD, HWA, ENLB, LIOB, SBCB, SBCB, SBCB, TWT, NSTT, TDCB, CHGB, CHGB, ESL, OWD, OWD, NMLH, NMLH, EGFH, IRIF, TWQ1, DPDB, DPDB, HGSD, SMLT, SMLT, TYC, TYC, SSLB, SSLB, EHY, EHY, HATJ, HATJ, YULB, YULB, TWF1, TWF1, JJU, JJU, FULB, FULB, ALS, ALS, CHNS, CHNS, ELDTW, ELDTW, CHN4, CHN4, TPUB, TPUB, STYT, STYT, WTP, WTP, TWK, TWK, CHN1, CHN1, SGST, SGST, SLGT, SLGT.

ISCJB 01 14:52:48.5.1.0.20.6S:0.2x178.7W:0.2, h587km, mb3.5/6, Error ellipse: s-maj=27.3km s-min=19.5km az=38.6  
IDC 01 14:52:51.4.4.6.20.70S:178.55W, h616km, mb3.0/6, mb1.3.2.7, mb1mx2.9/43, mbtmp4.0/7, Error ellipse: s-maj=38.1km s-min=29.3km az=172.0  
ISC 01 14:52:49.1.1.0.20.6S:0.2x178.6W:0.2, h587km, n12, @133/13, mb3.4/6, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like URZ, CTA, ASAR, WRA, MJAR, ILAR, PDAR, BVAR.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AKASG, BRTR, MMAI, GERES, UCR, IDC, NEIC, ISCJB, MEX, ISC.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like THIG, THIG, THIG, PCIG, PCIG, PCIG, CCIG, CCIG, TGIG, TGIG, TGIG, APG, APG, CMIG, CMIG, SBLB, SNJE, SNJE, MTO3, BOOS, SNET, LFRS, LCND, TGUH, TLIG, LVIG, COPN, JTS, JTS, JTS, ZAIS, BCIP, HPIG, JCT, TXAR, TX31, TUMC, HELC, MIAR, GD2L, MNTX, ROSC, GOGA, PRAC, MSTX, RUSC, HHAR, AMTX, WWT, 121A, SDV, SDV, BNM, CCM, ANCO, MHCTO, SDCO, ATAH, S22A, RWY, H41A, PDAR, SNOW, NV01, NVAR, NVAR, FXWY, MCMT, J08A, F10A, FCC, YKA, YKA, YKWS, INK, RES, ILI.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ILAR, KTH, ESCD, KOWA, TIXI, TORO, MKAR, CD2, WRA, CMAR.

DDA 01 14:58:46.9.38.65N:26.60E, h7km, ML2.8  
ISK 01 14:58:56.8.38.62N:26.68E, h2km, ML2.9/20  
ISCJB 01 14:58:56.4.0.5.38.63N:0.03x26.68E:0.05, h1km, gkm, Error ellipse: s-maj=6.2km s-min=4.5km az=175.6  
CSEM 01 14:58:56.7.0.1.38.62N:26.68E, h2km, ML2.9, Error ellipse: s-maj=2.2km s-min=1.8km az=90.0  
ISC 01 14:58:56.2.1.1.38.62N:0.02x26.66E:0.03, h7km, gkm, n59, @070/59, Aegean Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KRBN, FOCM, URLA, URLA, CAND, ELCB, ZEY, CESE, CESE, DKL, DKL, AKS, AKS, CHOS, CHOS, GMLD, GMLD, AKS, AKS, AKHS, AKHS, GCMG, GCMG, STEP, STEP, AYDB, AYDB, EZN, EZN, AYDN, AYDN, KULA, KULA, GONE, GONE, BODT, BODT, GADA, GADA, GADI, GADI, KRBG, KRBG, ERIK, ERIK, RKY, RKY, ALN, ALN, TVSB, TVSB.

ISCJB 01 14:59:39.6.0.5.38.64N:0.03x26.70E:0.05, h6km, gkm, Error ellipse: s-maj=7.3km s-min=5.1km az=15.6  
CSEM 01 14:59:39.0.38.63N:26.71E, h4km, ML2.8  
ISK 01 14:59:39.0.38.63N:26.71E, h4km, ML2.8/8  
ISC 01 14:59:39.3.0.9.38.63N:0.02x26.70E:0.03, h8km, gkm, n31, @038/35, Aegean Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FOCM, FOCM, FOCM, FOCM, KRBN, KRBN, KRBN, URLA, URLA, URLA, CAND, BLBC, ZEY, DKL, DKL, CHOS, CHOS, GMLD, GMLD, SGR, SGR, SGR, AKHS, GPNR, GPNR, GCMG, GCMG, AYDB, AYDB, EZN, EZN, BALB, BALB.

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

2012 MAY

Table with columns: Hdr, 1d15h, Station Name, Time, Res, ISC, Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Honiara, Afiamalu, Port Moresby, Warramunga Arr, etc.

Table with columns: ISC 01 15:42:20.4, 1.5, 56:20N, 0:03, 164:48E, 0:03, h2km, gkm, n107, r162/168, mb3.7/15, MS2.9/3, Komandorsky Islands region. Includes stations like Krutoberegovo, Bering, Semkarok, etc.

Table with columns: SKR, MLR, MLR, BILL, Station Name, Time, Res, ISC, Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Biilbino, Asahikawa, Kul'dur, etc.

MEX 01 15:17:12.7, 0.4, 14:54N, 92:71W, h71km, 16km, MD3.5, Near coast of Chiapas

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

IDC 01 15:18:08.9, 5.0, 5:55S, 147:46E, h199km, 54km, mb2.8/2, mb1 3.2/4, mb1mx2.8/46, mbtmp3.5/4, Error ellipse: s-maj=95.8km s-min=26.9km az=131.0, Eastern New Guinea region

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

ISCJB 01 15:23:15.0, 0.9, 17:53S, 0:07, 167:1E, 0:2, h12km, mb3.0/6, Error ellipse: s-maj=23.3km s-min=9.7km az=178.0

IDC 01 15:23:15.2, 1.3, 17:43S, 167:19E, h0km, mb3.7/6, mb1 4.0/8, mb1mx3.8/45, mbtmp3.8/8, ML4.1/2, MS2.9/1, Ms1 2.9/1, ms1mx2.5/43, Error ellipse: s-maj=36.0km s-min=26.8km az=134.0

ISC 01 15:23:16.9, 1.0, 17:51S, 0:09, 167:2E, 0:2, h12km, n8, o059/9, mb3.6/6, Vanuatu Islands

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

NIED 01 15:39:00, 36:50N, 141:00E, h38km, Mw3.7 Best double couple: M:3.520000, 1014 N:3.200000, 852.000000, 7.6.000000, NP2:0.298.000000, 885.000000, 1.41.000000

ISCJB 01 15:39:42.8, 1.5, 36:41N, 0:06, 141:16E, 0:07, h5km, 7km, mb3.0/2, Error ellipse: s-maj=11.8km s-min=7.7km az=137.1

IDC 01 15:39:44.1, 9, 36:35N, 141:10E, h0km, mb3.1/2, mb1 3.2/4, mb1mx3.1/74, mbtmp3.1/4, ML2.9/2, Error ellipse: s-maj=34.8km s-min=28.4km az=64.0

JMA 01 15:39:46.1, 36:47N, 140:99E, h17km, 1km, M3.7 JMA Felt 1 J1

ISC 01 15:39:44.9, 2.7, 36:45N, 0:09, 141:00E, 0:08, h5km, 16km, n16, r1918/15, Near east coast of eastern Honshu

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

ISC 01 15:42:20.4, 1.5, 56:20N, 0:03, 164:48E, 0:03, h2km, gkm, n107, r162/168, mb3.7/15, MS2.9/3, Komandorsky Islands region

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

ISC 01 15:44:35.4, 0.2, 21:84N, 0:02, 108:36W, 0:02, h10km, mb4.9/12, MS5.0/165, Error ellipse: s-maj=2.9km s-min=1.8km az=29.3

IDC 01 15:44:35.8, 0.6, 21:93N, 108:50W, h0km, mb4.4/23, mb1 4.5/27, mb1mx4.3/56, mbtmp4.4/27, ML4.1/3, MS4.8/44, Ms1 4.8/44, ms1mx4.8/55, Error ellipse: s-maj=16.3km s-min=11.1km az=51.0

Bull 01 15:44:36.3, 21:80N, 108:40W, h10km, mb5.4/4, MS5.2/9, Ms7.5/0.9

NEIC 01 15:44:37.8, 0.2, 21:95N, 108:44W, h11km, mb5.0/182, MS5.0/118, MD4.7(MEX), After MEX

NEIC Felt at Cabo San Lucas

GCMT 01 15:44:37.8, 0.1, 21:93N, 108:56W, h16km, MW5.5/132, Moment Tensor Solution, s112.c192, s132.c260, Duration: 1s3 Moment tensor: Scale 10^17Nm, M: -0.23, 0.2; M2: -1.53, 0.3; M3: 1.76, 0.3; M4: -0.32, 0.6; M5: 0.09, 0.2; M6: 0.09, 0.6; Best double couple: M0: 1.820000 x 10^17 Np1: 0.560000, 0.850000, 0.000000, -1.11.000000, NP2: 0.47.000000, 0.79.000000, -1.175.000000, Principal axes: T 1.9110, P1g4.0000, Azm102.0000, N -0.1850, P1g78.0000, Azm212.0000, P -1.7290, P1g11.0000, Azm11.0000, nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s

MEX 01 15:44:37.8, 0.3, 21:95N, 108:44W, h11km, 6km, MD4.7

MOS 01 15:44:39.4, 1.0, 21:93N, 108:36W, h33km, mb5.0/26, MS4.8/55, Error ellipse: s-maj=8.4km s-min=4.3km az=97.1

ISC 01 15:44:37.1, 0.3, 21:93N, 108:40W, h10km, n948, r1938/822, mb5.0/127, MS5.0/166, 1D, Revilla Gigedo Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Sierra La Lagu, Mazatlan, Mazatlan, La Paz, etc.

ISC 01 15:44:37.1, 0.3, 21:93N, 108:40W, h10km, n948, r1938/822, mb5.0/127, MS5.0/166, 1D, Revilla Gigedo Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Sierra La Lagu, Mazatlan, Mazatlan, La Paz, etc.

IDC 01 15:42:20.7, 0.8, 56:22N, 164:32E, h0km, mb3.7/15, mb1 3.9/7, mb1mx3.7/2, mbtmp3.8/17, ML3.7/2, MS2.8/3, Ms1 2.9/3, ms1mx2.8/72, Error ellipse: s-maj=23.8km s-min=12.8km az=147.0

ISCJB 01 15:42:21.4, 0.7, 56:18N, 0:03, 164:52E, 0:04, h17km, 6km, mb3.7/15, MS2.6/3, Error ellipse: s-maj=4.6km s-min=3.4km az=159.9

KRSC 01 15:42:21.1, 1.9, 56:17N, 164:57E, h60km, 28km, ML4.3

MOS 01 15:42:24.3, 0.9, 56:18N, 164:37E, h50km, mb4.2/8, Error ellipse: s-maj=8.1km s-min=5.1km az=55.2

ISC 01 15:42:20.7, 0.8, 56:22N, 164:32E, h0km, mb3.7/15, mb1 3.9/7, mb1mx3.7/2, mbtmp3.8/17, ML3.7/2, MS2.8/3, Ms1 2.9/3, ms1mx2.8/72, Error ellipse: s-maj=23.8km s-min=12.8km az=147.0

ISCJB 01 15:42:21.4, 0.7, 56:18N, 0:03, 164:52E, 0:04, h17km, 6km, mb3.7/15, MS2.6/3, Error ellipse: s-maj=4.6km s-min=3.4km az=159.9

KRSC 01 15:42:21.1, 1.9, 56:17N, 164:57E, h60km, 28km, ML4.3

MOS 01 15:42:24.3, 0.9, 56:18N, 164:37E, h50km, mb4.2/8, Error ellipse: s-maj=8.1km s-min=5.1km az=55.2

ISC 01 15:42:20.7, 0.8, 56:22N, 164:32E, h0km, mb3.7/15, mb1 3.9/7, mb1mx3.7/2, mbtmp3.8/17, ML3.7/2, MS2.8/3, Ms1 2.9/3, ms1mx2.8/72, Error ellipse: s-maj=23.8km s-min=12.8km az=147.0

ISCJB 01 15:42:21.4, 0.7, 56:18N, 0:03, 164:52E, 0:04, h17km, 6km, mb3.7/15, MS2.6/3, Error ellipse: s-maj=4.6km s-min=3.4km az=159.9

KRSC 01 15:42:21.1, 1.9, 56:17N, 164:57E, h60km, 28km, ML4.3

MOS 01 15:42:24.3, 0.9, 56:18N, 164:37E, h50km, mb4.2/8, Error ellipse: s-maj=8.1km s-min=5.1km az=55.2

KVXT	Kingsville	11.11	58	ePn	Pn	15 47 14.5 -1.6
LVIG	Laguna Verde	11.48	99	ePn	Pn	15 47 22.2 +1.1
JCT	Junction City	11.52	41	ePn	Pn	15 47 22.8 +1.0
JCT	Junction City	11.52	41	ePn	Pn	15 47 19.8 -2.0
JCT	Junction City	11.52	41	ePn	Pn	15 47 19.8 -2.0
113A	Mohawk Valley	11.77	338	ePn	Pn	15 47 28.6 +3.5
Y22D	IRIS PASCALL I	12.17	6	P	Pn	15 47 34.1 +3.4
Y22D	IRIS PASCALL I	12.17	6	ePn	Pn	15 47 35.8 +5.0
Y22E	IRIS PASCALL I	12.17	6	P	Pn	15 47 34.2 +3.5
LENM	Lemitar	12.26	6	ePn	Pn	15 47 33.8 +1.9
BNN	Barren Site	12.28	7	ePn	Pn	15 47 35.1 +2.8
GLA	Glamis	12.43	334	P	Pn	15 47 37.1 +3.0
GLA	Glamis	12.43	334	ePn	Pn	15 47 37.5 +3.4
GLA	Glamis	12.43	334	ePn	Pn	15 47 37.5 +3.4
LPM	Los Pinos Moun	12.44	7	ePn	Pn	15 47 37.5 +3.0
LAZ	Ladron	12.48	5	ePn	Pn	15 47 38.2 +3.2
Y14A	Wickenburg	12.61	342	ePn	Pn	15 47 39.1 +2.5
X18A	Snowflake	12.62	354	ePn	Pn	15 47 40.5 +3.6
IKP	In-Ko-Pah, Jac	12.65	329	P	Pn	15 47 39.7 +2.5
X16A	Lo Mia Camp, P	12.71	349	ePn	Pn	15 47 40.4 +2.2
SWSC	Sam W Stewart	12.75	331	P	Pn	15 47 40.9 +2.4
Y12C	Blythe	12.93	337	P	Pn	15 47 43.7 +2.7
Y12C	Blythe	12.93	337	ePn	Pn	15 47 44.5 +3.5
BAR	Barrett	12.95	328	ePn	Pn	15 47 42.5 +1.2
MONP2	Monument Peak	13.00	329	P	Pn	15 47 44.3 +2.2
MSTX	Muleshoe	13.00	22	P	Pn	15 47 44.1 +2.1
MSTX	Muleshoe	13.00	22	ePn	Pn	15 47 43.9 +1.9
ANMO	Albuquerque	13.08	7	P	Pn	15 47 45.8 +2.5
ANMO	Albuquerque	13.08	7	ePn	Pn	15 47 46.0 +2.7
ANMO	Albuquerque	13.08	7	ePn	Pn	15 47 46.0 +2.7
435B	Jarrell	13.14	46	P	Pn	15 47 44.7 +0.9
W18A	Petrified Fore	13.18	355	P	Pn	15 47 47.2 +2.6
W18A	Petrified Fore	13.18	355	ePn	Pn	15 47 47.4 +2.8
BC3	Big Chuckawall	13.21	334	P	Pn	15 47 47.5 +2.6
ABTX	Ablene, Hawle	13.22	34	P	Pn	15 47 46.0 +1.1
ABTX	Ablene, Hawle	13.22	34	ePn	Pn	15 47 46.1 +1.1
PDMCI	Parker Dam, Lak	13.30	339	P	Pn	15 47 48.3 +2.4
109C	Camp Elliot, M	13.33	327	P	Pn	15 47 48.1 +1.7
IRM	Iron Mountain	13.52	336	P	Pn	15 47 52.0 +2.8
XPFO	Pison Flat	13.61	330	ePn	Pn	15 47 52.8 +2.5
PFO	Pinyon Flats O	13.61	330	P	Pn	15 47 52.7 +2.3
PFO	Pinyon Flats O	13.61	330	ePn	Pn	15 47 53.0 +2.6
CMFO	Mattias Romero	13.68	108	LR	LR	15 53 06.7
BELC	Belle Mtn, Jos	13.73	333	P	Pn	15 47 54.8 +2.7
WUAZ	Wupatki	13.77	350	P	Pn	15 47 55.8 +3.2
WUAZ	Wupatki	13.77	350	ePn	Pn	15 47 55.4 +2.7
HKT	Hockley	13.88	52	ePn	Pn	15 47 55.8 +1.9
HKT	Hockley	13.88	52	eP	Pn	15 47 55.8 +1.9
NEE2	Needles Airpor	13.88	338	P	Pn	15 47 56.4 +2.4
MURC	Murrieta	13.95	328	P	Pn	15 47 57.6 +2.6
WHTX	Lake Whitney,	14.02	42	P	Pn	15 47 56.7 +0.9
WHTX	Lake Whitney,	14.02	42	ePn	Pn	15 47 56.6 +0.8
SC12	San Clemente I	14.17	323	P	Pn	15 48 00.3 +2.4
AMTX	Amarillo	14.21	23	P	Pn	15 47 59.7 +1.2
AMTX	Amarillo	14.21	23	ePn	Pn	15 48 00.3 +1.7
GMRC	Granite Mounta	14.28	335	P	Pn	15 48 01.7 +2.2
LDFO	Landfair	14.33	337	ePn	Pn	15 48 04.2 +3.9
BBRC	Big Bear Solar	14.36	331	P	Pn	15 48 03.6 +2.8
CIS	Catalina Islan	14.42	325	P	Pn	15 48 03.5 +2.1
HEC	Hector Ludlow	14.59	333	P	Pn	15 48 06.0 +2.3
FMP	Fort Macarthur	14.59	326	P	Pn	15 48 05.8 +2.0
BFSC	Mount Baldy Ra	14.69	329	P	Pn	15 48 08.1 +2.9
MWC	Mount Wilson	14.87	327	ePn	Pn	15 48 09.4 +1.7
MWC	Mount Wilson	14.87	327	eP	Pn	15 48 09.4 +1.7
PASC	Pasadena Art C	14.90	327	ePn	Pn	15 48 10.6 +2.7
RRX	Edison Barstow	14.91	332	P	Pn	15 48 10.5 +2.4
TUQ	Turquoise Moun	14.95	336	P	Pn	15 48 10.5 +1.7
DECC	Green Verdugo	15.04	327	P	Pn	15 48 11.3 +1.5
GSC	Goldstone, Bar	15.19	333	P	Pn	15 48 14.1 +2.3
GSC	Goldstone, Bar	15.19	333	ePn	Pn	15 48 14.0 +2.1
GSC	Goldstone, Bar	15.19	333	eP	Pn	15 48 14.0 +2.1
GSC	Goldstone, Bar	15.19	333	eP	pmx	15 48 14.0 +2.1
MVCO	Mesa Verde	15.22	360	P	Pn	15 48 14.7 +2.3
MVCO	Mesa Verde	15.22	360	ePn	Pn	15 48 14.5 +2.1
BLG	Laguna Peak, P	15.31	325	P	Pn	15 48 14.0 +0.7
WMOK	Wichita Mounta	15.33	32	P	Pn	15 48 13.5 -0.2
EDW2	Edwards Air Fo	15.37	329	P	Pn	15 48 15.8 +1.6
MHTCO	State Highway	15.49	11	ePn	Pn	15 48 18.5 +2.6
SHOC	Shoshone, Teco	15.49	336	P	Pn	15 48 17.9 +2.1
KNB	Kanab	15.50	347	ePn	Pn	15 48 18.7 +2.7
KNB	Kanab	15.50	347	eP	pmx	15 48 18.7 +2.7
KNB	Kanab	15.50	347	eP	pmx	15 48 18.7 +2.7
OSI	Osito Audit: C	15.52	327	P	Pn	15 48 18.7 +2.6
OSI	Osito Audit: C	15.52	327	ePn	Pn	15 48 17.1 +0.9
SCZ2	Santa Cruz Isl	15.53	323	P	Pn	15 48 17.6 +1.3
T25A	Trinidad	15.55	12	P	Pn	15 48 19.6 -1.5
T25A	Trinidad	15.55	12	ePn	Pn	15 48 19.6 -1.5
SHPR	Sheep Range	15.64	340	ePn	Pn	15 48 20.3 +2.4
NATX	Nacogdoches	15.72	49	P	Pn	15 48 19.4 +0.7
NATX	Nacogdoches	15.72	49	ePn	Pn	15 48 19.7 +1.0
LRMC	Laurel Mtn Rad	15.72	331	P	Pn	15 48 21.2 +2.4
PKCU	Pink Cliffs	15.81	349	ePn	Pn	15 48 23.2 -0.8
S22A	4UR Ranch, Cre	15.82	5	P	Pn	15 48 23.4 -0.8
S22A	4UR Ranch, Cre	15.82	5	ePn	Pn	15 48 22.5 +2.2
SBC	Santa Barbara	15.91	324	P	Pn	15 48 23.6 +2.4
541A	Lake Charles	15.93	56	P	Pn	15 48 22.4 +1.0
SDCO	Great Sand Dun	15.96	9	P	Pn	15 48 25.2 -0.6
SDCO	Great Sand Dun	15.96	9	ePn	Pn	15 48 24.9 -0.9
PV05	Paradox Valle	16.10	358	ePn	Pn	15 48 26.8 -0.4
SZCU	Shurtz Canyon	16.11	347	ePn	Pn	15 48 27.3 0.0

MPMC	Manual Proser	16.12	333	P	Pn	15 48 26.2 +2.1
CCUT	Cedar City	16.13	346	ePn	Pn	15 48 27.3 -0.2
PV01	Paradox Valley	16.15	360	ePn	Pn	15 48 26.9 -0.9
FURC	Furnace Creek,	16.22	335	P	Pn	15 48 27.6 -0.6
ISA	Isabella, Lake	16.23	330	P	Pn	15 48 27.0 +1.6
ISA	Isabella, Lake	16.23	330	ePn	Pn	15 48 26.7 +1.3
ISA	Isabella, Lake	16.23	330	eP	pmx	15 48 26.7 +1.3
441A	DeRidder	16.25	54	P	Pn	15 48 26.1 +0.5
DAC	Darwin (Calif)	16.35	333	ePn	Pn	15 48 28.6 +1.5
DAC	Darwin (Calif)	16.35	333	eP	pmx	15 48 28.6 +1.5
PV15	Paradox Valley	16.35	360	ePn	Pn	15 48 28.4 +1.3
MTPU	Mount Pierson	16.37	350	ePn	Pn	15 48 28.7 +1.3
PV10	Paradox Valley	16.40	358	ePn	Pn	15 48 28.7 +1.1
PV04	Paradox Valley	16.41	359	eP	P	15 48 30.1 -0.4
TPNV	Topopah Spring	16.42	337	P	Pn	15 48 30.8 +0.1
TPNV	Topopah Spring	16.42	337	ePn	Pn	15 48 30.7 +0.1
TPNV	Topopah Spring	16.42	337	eP	pmx	15 48 30.7 +0.1
CCIG	Comitan	16.42	107	ePn	Pn	15 48 28.0 +0.1
PV09	Paradox Valley	16.52	358	ePn	Pn	15 48 31.4 -0.5
YES	Vestal, Richgr	16.67	329	P	Pn	15 48 33.2 0.0
MSU	Marysval	16.83	350	ePn	P	15 48 35.9 +0.6
MSU	Marysval	16.83	350	eP	P	15 48 35.9 +0.6
GRAC	Grapevine Rang	16.88	335	P	Pn	15 48 35.8 +0.2
TCRU	Three Creeks R	16.97	349	ePn	Pn	15 48 37.5 +0.7
Q16A	Castle Valley	17.09	353	ePn	Pn	15 48 38.6 +0.5
RCTC	Rector, Farmer	17.12	329	P	Pn	15 48 37.7 +1.2
PAGB	Antelope Grade	17.17	326	ePn	Pn	15 48 38.7 -0.1
Q24A	Divide	17.21	9	P	P	15 48 41.0 +1.4
SRU	San Rafael Swe	17.21	355	ePn	Pn	15 48 39.7 +0.2
SRU	San Rafael Swe	17.21	355	eP	pmx	15 48 39.7 +0.2
SMCO	Snowmass	17.24	4	eP	P	15 48 41.0 +1.0
TIN	Tinemaha, Big	17.28	333	P	Pn	15 48 40.3 +0.2
Z10A	Long Farm, Mag	17.46	47	P	Pn	15 48 40.7 0.0
MYIG	Morida	17.46	90	ePn	Pn	15 48 43.2 +1.1
TMUT	Tra Mountain	17.47	353	ePn	Pn	15 48 43.9 +1.5
R11A	Troy Canyon, C	17.47	341	P	Pn	15 48 43.3 +1.0
R11A	Troy Canyon, C	17.47	341	ePn	Pn	15 48 42.6 +0.3
544A	White Castle	17.54	59	P	Pn	15 48 41.7 -0.1
P17A	Butcher Ranch,	17.59	354	ePn	Pn	15 48 44.7 +1.1
242A	Grayson	17.67	52	P	Pn	15 48 42.5 -0.9
343A	Vidalia	17.69	55	P	Pn	15 48 43.9 +0.2
P18A	Pierson Nutter	17.70	355	ePn	Pn	15 48 46.0 +1.0
KSCO	Keye Shedlock	17.74	15	P	Pn	15 48 46.6 +1.3
KSCO	Keye Shedlock	17.74	15	eP	Pn	15 48 46.9 +1.7
645A	Chauvin	17.75	61	P	Pn	15 48 44.7 +0.3
X39A	Fourteen Ranch	17.78	42	P	Pn	15 48 45.2 +0.5
TUL1	Leonard	17.78	36	P	Pn	15 48 44.8 +0.1
TUL1	Leonard	17.78	36	ePn	Pn	15 48 45.1 +0.3
PMPB	Monarch Peak	17.83	326	ePn	Pn	15 48 47.3 +1.1
Z41A	Richland Creek	17.86	48	P	Pn	15 48 45.4 -0.4
WLAR	White Oak Lake	17.91	46	ePn	Pn	15 48 47.3 +0.4
ISCO	Idaho Springs	17.98	7	P	Pn	15 48 50.1 +2.1
ISCO	Idaho Springs	17.98	7	ePn	Pn	15 48 49.9 +1.9
ISCO	Idaho Springs	17.98	7	eP	pmx	15 48 49.9 +1.9
Y40A	Okolona	17.99	45	P	Pn	15 48 47.6 +0.2
MLAC	Mammoth, Mammo	18.03	332	P	Pn	15 48 50.1 +1.5
545A	Edger	18.05	60	P	Pn	15 48 48.0 -0.2
142A	Monroe	18.07	51	P	Pn	15 48 48.4 0.0
243A	Waterproof	18.08	53	P	Pn	15 48 48.8 +0.4
444A	Pine Grove	18.11	57	P	Pn	15 48 49.3 +0.4
MDPB	Devils Postpil	18.13	332	ePn	Pn	15 48 51.9 +2.2
MIAR	Mount Ida	18.14	43	P	Pn	15 48 49.0 -0.2
MIAR	Mount Ida	18.14	43	ePn	Pn	15 48 49.2 +0.1
MIAR	Mount Ida	18.14	43	eP	pmx	15 48 49.3 +0.1
O20A	White River Ci	18.15	1	P	Pn	15 48 51.6 +1.8
O20A	White River Ci	18.15	1	ePn	Pn	15 48 52.1 +2.3
MPU	Maple Canyon	18.23	352	ePn	Pn	15 48 52.5 +1.8
NLU	North Lily Min	18.23	351	ePn	Pn	15 48 52.6 +1.9
Y41A	Eagleette Bed	18.36	46	P	Pn	15 48 52.2 +0.3
APG	El Apazote	18.40	109	P	Pn	15 48 53.9 +1.1
APG	El Apazote	18.40	109	LR	LR	15 55 52.0
CBKS	Cedar Bluff	18.42	22	P	Pn	15 48 53.1 +0.6
CBKS	Cedar Bluff	18.42	22	ePn	Pn	15 48 53.0 +0.4
CBKS	Cedar Bluff	18.42	22	eP	pmx	15 48 53.0 +0.4
NV11	Mina Array Sit	18.43	335	ePn	Pn	15 48 54.4 +1.5
W39A	Magazine	18.43	41	P	Pn	15 48 53.6 +0.9
445A	Amite	18.44	58	P	Pn	15 48 52.1 -0.8

Z46A	Louisville	20.59	53	P	P	15 49 16.8 +0.5
348A	Jackson	20.63	58	P	P	15 49 17.2 +0.4
H2AR	Harrisburg	20.64	45	eP	P	15 49 16.9 0.0
K22A	Casper	20.72	4	eP	Pn	15 49 19.5 -0.7
Q37A	Longview Farm	20.72	32	P	P	15 49 18.8 +1.1
U42A	Reverend	20.76	42	P	P	15 49 19.0 +0.9
ORV	Oroville	20.79	331	eP	Pn	15 49 20.4 -0.5
ORV	Oroville	20.79	331	eP	Pn	15 49 20.4 -0.5
BW06	Boulder Array	20.79	358	P	P	15 49 19.1 +0.3
BW06	Boulder Array	20.79	358	eP	P	15 49 19.7 +0.9
BW06	Boulder Array	20.79	358	eP	P	15 49 19.7 +0.9
PD31	Pinedale Array	20.79	358	eP	P	15 49 19.7 +1.0
PDAR	Pinedale Array	20.79	358	P	P	15 49 20.1 +1.4
PDAR	Pinedale Array	20.79	358	P	P	15 57 09.0
PDAR	Pinedale Array	20.79	358	eP	P	15 49 19.2 +0.4
S40A	Lebanon	20.83	38	eP	P	15 49 19.7 +0.8
GDXM	Geyers	20.83	327	eP	Pn	15 49 24.6 +3.2
V43A	Jonesboro	20.85	45	P	P	15 49 20.2 +1.0
147A	Livingston	20.86	55	P	P	15 49 20.0 +0.8
X45A	UM Field Stati	20.87	49	P	P	15 49 20.3 +0.9
T41A	Mountain View	20.88	40	P	P	15 49 20.1 +0.6
AHID	Auburn Hatcher	20.89	355	eP	P	15 49 20.4 +0.7
RSSD	Black Hills	22.43	8	P	P	15 49 20.3 +0.5
OXF	Oxford	20.91	49	eP	P	15 49 19.9 +0.1
OXF	Oxford	20.91	49	eP	P	15 49 19.9 +0.1
OXF	Oxford	20.91	49	eP	P	15 49 19.9 +0.1
OXF	Oxford	20.91	49	eP	P	15 49 19.9 +0.1
449A	Pace	20.95	61	P	P	15 49 20.1 -0.1
W44A	Shelby Farms P	20.97	47	P	P	15 49 21.1 +0.7
Y46A	Houston	20.98	51	P	P	15 49 21.9 +1.4
248A	Dixon Mills	21.02	57	P	P	15 49 21.2 +0.2
R39A	Chumby, Stover	21.04	36	P	P	15 49 21.7 +0.6
349A	Repton	21.17	59	P	P	15 49 22.9 +0.2
Q38A	Cooks Store, C	21.21	34	P	P	15 49 23.8 +0.8
BRAL	Brewton	21.22	60	P	P	15 49 24.0 +0.8
BRAL	Brewton	21.22	60	eP	P	15 49 24.9 +1.7
BRAL	Brewton	21.22	60	eP	P	15 49 24.9 +1.7
Z47A	Carrollton	21.24	54	P	P	15 49 23.7 +0.3
S41A	Jilco Farms,	21.25	39	P	P	15 49 24.3 +0.8
BGNE	Belgrade	21.28	22	P	P	15 49 24.4 +0.7
BGNE	Belgrade	21.28	22	eP	P	15 49 25.4 +1.7
T42A	Van Buren	21.28	41	P	P	15 49 24.5 +0.7
U43A	Rector	21.29	44	P	P	15 49 23.8 -0.1
V44A	Blytheville	21.30	45	P	P	15 49 24.2 +0.2
P37A	Lathrop	21.32	31	P	P	15 49 25.1 +0.8
148A	Greensboro	21.38	56	P	P	15 49 24.9 0.0
W45A	Hickory Valley	21.41	48	P	P	15 49 25.5 +0.4
R40A	Maddies Statio	21.44	37	P	P	15 49 25.9 +0.4
249A	Camden	21.46	58	P	P	15 49 25.6 -0.1
REDW	Red Top Meadow	21.46	355	eP	P	15 49 27.1 +1.2
450A	Crestview	21.47	61	P	P	15 49 25.7 -0.1
X46A	Booneville	21.51	50	P	P	15 49 25.8 -0.5
OB30	Paynes Creek	21.53	31	P	P	15 49 27.9 +1.4
P0M0	Poplar Bluff	21.53	43	eP	P	15 49 27.4 +1.0
SNOW	Snow King Moun	21.55	355	eP	P	15 49 27.9 +1.0
TPAW	Teton Pass	21.60	355	eP	P	15 49 28.6 +1.2
Q39A	Willow Grove F	21.60	34	P	P	15 49 27.7 +0.5
TGHU	Teguapala,Un	21.61	108	eP	P	15 49 26.9 -0.5
LOHW	Long Hollow	21.69	356	eP	P	15 49 29.5 +1.1
Z48A	North	21.70	54	P	P	15 49 27.8 -0.5
Y47A	UCPARC, Winfie	21.73	52	P	P	15 49 28.4 -0.2
FXWY	Fox Creek	21.75	355	eP	P	15 49 29.9 +0.9
P38A	Dawn	21.75	32	P	P	15 49 29.0 +0.2
T43A	Greenville	21.81	42	P	P	15 49 29.5 +0.1
MOOV	Moose Ponds	21.84	356	eP	P	15 49 31.1 +1.2
U44A	Portageville	21.84	44	P	P	15 49 30.2 +0.4
CCM	Cathedral Cave	21.86	39	P	P	15 49 29.5 -0.6
CCM	Cathedral Cave	21.86	39	eP	P	15 49 30.3 +0.3
CCM	Cathedral Cave	21.86	39	eP	P	15 49 30.3 +0.3
Q37A	Wolfen Farm, M	21.88	31	P	P	15 49 30.3 +0.1
V45A	Humboldt	21.88	47	P	P	15 49 29.7 -0.5
350A	Dozier	21.88	60	P	P	15 49 29.4 -0.9
S42A	Caledonia	21.94	40	P	P	15 49 31.1 +0.3
R41A	Rosebud	21.95	38	P	P	15 49 30.6 -0.3
W46A	Michie	21.95	49	P	P	15 49 31.7 +0.6
149A	Jones	21.96	56	P	P	15 49 32.0 +0.9
U44B	Burton Farm, H	21.96	45	P	P	15 49 31.3 +0.2
LRAL	Lakeview Retre	21.98	55	P	P	15 49 31.7 +0.4
LRAL	Lakeview Retre	21.98	55	eP	P	15 49 31.4 +0.1
IMW	Indian Meadow	22.00	355	eP	P	15 49 32.6 +0.9
X47A	Russellville	22.01	51	P	P	15 49 31.4 -0.3
N36A	Muff Farm, Cla	22.02	28	P	P	15 49 32.4 +0.6
P39B	Salisbury	22.02	34	P	P	15 49 32.6 +0.6
Q40A	Laux Farm, Aux	22.05	36	P	P	15 49 31.6 -0.4

PLAL	Pickwick Lake	22.09	50	eP	P	15 49 32.9 +0.4
WDC	Whiskeytown Va	22.09	330	eP	P	15 49 34.1 +1.7
WDC	Whiskeytown Va	22.09	330	eP	P	15 49 34.1 +1.7
451A	Vernon	22.10	62	P	P	15 49 32.0 -0.6
HLID	Hailey	22.13	348	P	P	15 49 35.1 +2.0
HLID	Hailey	22.13	348	eP	P	15 49 33.8 +0.7
250A	Grady	22.13	58	P	P	15 49 32.6 -0.4
WVOR	Wild Horse Val	22.15	340	eP	P	15 49 34.0 +0.8
WVOR	Wild Horse Val	22.15	340	eP	P	15 49 34.0 +0.8
O38A	Galt	22.16	32	P	P	15 49 33.6 +0.4
Y48A	Jasper	22.23	53	P	P	15 49 34.3 +0.2
S43A	Fulton Ridge,	22.25	41	P	P	15 49 35.0 +0.8
T44A	Benton	22.25	43	P	P	15 49 35.0 +0.8
MOD	Modoc Plateau	22.26	336	eP	P	15 49 37.1 +2.7
R42A	Luebbering	22.28	39	P	P	15 49 35.4 +0.9
MFID	Camas Ranch	22.28	346	eP	P	15 49 35.4 +0.8
N37A	Lee Faris, Mou	22.32	30	P	P	15 49 35.6 +0.7
552A	Lynn Haven	22.34	64	P	P	15 49 35.3 +0.1
U45A	Rockin P Farm,	22.35	46	P	P	15 49 35.2 -0.1
Z49A	Columbiana	22.40	55	P	P	15 49 36.2 +0.4
351A	Pinckard	22.42	61	P	P	15 49 35.1 -1.0
RSSD	Black Hills	22.43	8	P	P	15 49 37.0 +0.7
RSSD	Black Hills	22.43	8	eP	P	15 49 36.6 +0.3
RSSD	Black Hills	22.43	8	eP	P	15 49 36.6 +0.3
RSSD	Black Hills	22.43	8	eP	P	15 49 36.6 +0.3
P40A	Paris	22.45	35	P	P	15 49 36.5 +0.2
H17A	Grant Village	22.47	356	P	P	15 49 38.1 +1.3
H17A	Grant Village	22.47	356	eP	P	15 49 36.0 -0.8
N02D	Trinity Center	22.48	331	P	P	15 49 37.8 +1.0
Q41A	Truxton	22.48	37	P	P	15 49 37.7 0.0
V46A	Holiday	22.49	48	P	P	15 49 36.1 -0.7
YFT	Old Faithful	22.54	356	eP	P	15 49 37.7 +0.1
150A	Eclectic	22.56	57	P	P	15 49 37.4 -0.2
W47A	Westpoint	22.57	49	P	P	15 49 37.6 0.0
X48A	Hartselle	22.57	52	P	P	15 49 37.6 0.0
M36A	Felix, Anita	22.61	28	P	P	15 49 37.8 -0.3
LKWY	Lake	22.63	356	PFAKE	LR	15 49 50.0 +12
452A	Marianna	22.63	62	P	P	15 49 37.5 -0.9
Q39A	Kirksville	22.73	33	P	P	15 49 39.5 +0.2
U46A	Springville	22.75	46	P	P	15 49 38.5 -1.0
M04C	Macdoel	22.76	333	P	P	15 49 41.2 +1.5
YMR	Mount River	22.77	355	eP	P	15 49 41.5 +1.6
Y49A	Blount Mountai	22.77	54	P	P	15 49 38.9 -0.9
R43A	Red Bud	22.79	40	P	P	15 49 40.8 +0.9
J31A	Geddes	22.79	19	P	P	15 49 40.7 +0.8
N38A	Joes South For	22.80	31	P	P	15 49 40.2 +0.2
T45A	Pacath	22.82	42	P	P	15 49 40.7 +0.5
S44A	Carbondale	22.83	42	P	P	15 49 40.2 -0.1
Q42A	Golden Eagle	22.85	38	P	P	15 49 40.7 +0.2
251A	Midway	22.86	59	P	P	15 49 40.6 -0.1
WVT	Waverly	22.86	47	eP	P	15 49 40.6 -0.1
WVT	Waverly	22.86	47	eP	P	15 49 39.8 -0.9
WVT	Waverly	22.86	47	eP	P	15 49 39.8 -0.9
WVT	Waverly	22.86	47	eP	P	15 49 39.8 -0.9
SIUC	Southern illin	22.87	42	eP	P	15 49 40.6 -0.2
YHB	Horse Butte	22.87	355	eP	P	15 49 43.9 +3.0
KHMM	Horse Mountain	22.88	329	eP	P	15 49 42.4 +1.3
YHH	Holmes Hill	22.88	356	eP	P	15 49 42.2 +1.0
Z50A	Ashtand	22.89	56	P	P	15 49 40.5 -0.5
M37A	Trindle Farm,	22.90	29	P	P	15 49 41.0 -0.1
V47A	Nursery	22.91	48	P	P	15 49 40.7 -0.5
J08A	Circle Bar Ran	22.93	341	eP	P	15 49 42.9 +1.4
QLMT	Earthquake Lak	22.97	355	eP	P	15 49 43.6 +1.7
O40A	La Belle	22.97	53	P	P	15 49 41.8 0.0
W48A	Pulaski	22.98	50	P	P	15 49 41.5 -0.5
352A	Blakely	23.04	61	P	P	15 49 41.6 -1.0
553A	Crawfordville	23.07	64	P	P	15 49 41.5 -1.4
151A	Opelika	23.07	58	P	P	15 49 42.3 -0.6
P41A	Barry, Barry	23.08	36	P	P	15 49 42.9 -0.1
YBH	Yreka Blue Hor	23.09	332	P	P	15 49 42.3 -0.8
YBH	Yreka Blue Hor	23.09	332	P	P	15 58 48.2
MCMT	McKenzie Canyo	23.12	352	eP	P	15 49 45.3 +1.7
X49A	Woodville	23.13	52	P	P	15 49 43.4 0.0
J32A	Parkston	23.13	20	P	P	15 49 43.9 +0.4
RLMT	Red Lodge	23.14	359	P	P	15 49 44.5 +0.8
RLMT	Red Lodge	23.14	359	eP	P	15 49 44.8 +1.1
RLMT	Red Lodge	23.14	359	eP	P	15 49 44.8 +1.1
K05A	Sun Lake	23.19	336	eP	P	15 49 45.9 +1.6
L36A	Harm Buss Farm	23.20	27	P	P	15 49 44.0 -0.2
N39A	Derby Farms, D	23.22	32	P	P	15 49 44.5 +0.1
S45A	Carrier Mills	23.25	43	P	P	15 49 44.9 +0.3
R44A	Waltonville	23.28	41	P	P	15 49 46.2 +1.1
Y50A	Piedmont	23.30	54	P	P	15 49 45.1 -0.2
M38A	Pleasantville	23.30	30	P	P	15 49 44.6 -0.6

T46A	Princeton	23.32	45	P	P	15 49 44.8 -0.6
453A	Whigham	23.34	63	P	P	15 49 44.6 -1.1
V48A	Smith Brothers	23.36	49	P	P	15 49 44.4 -1.4
Q43A	New Douglas	23.36	39	P	P	15 49 45.6 -0.1
252A	Lumpkin	23.36	60	P	P	15 49 44.7 -1.1
J33A	Davis	23.38	22	P	P	15 49 46.0 +0.1
U47A	Clarksville	23.40	47	P	P	15 49 46.3 +0.2
P42A	Winchester	23.42	37	P	P	15 49 46.1 -0.3
K04D	Chiloquin, OR	23.43	335	P	P	15 49 48.1 +1.4
O41A	Passleys Farm	23.49	36	P	P	15 49 47.4 +0.3
K35A	Storm Lake	23.50	25	P	P	15 49 47.3 +0.2
I31A	Royce, Wessing	23.52	18	P	P	15 49 47.7 +0.4
353A	Camilla	23.57	61	P	P	15 49 47.1 -0.8
DLMT	D					







Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LSZ, KULM, KMBO, GSI, ABPO.

MEX 01 15:45:30.9-0.5, 15.87N:98.92W, h16km, gkm, MD3.8, Off coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PNIG, ACX, TLIG, CAIG, VHO, PLIG, HUIG, ARIG, TPIG, YAIG.

RSNC 01 16:06:00.2-1.0, 6.80N:73.12W, h151km, 5km, ML3.7, Mw3.7, 2C-1D, Northern Colombia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BARC, BRRC, RUSC, PTBC, OCAC, ZARC, CHIC, ROSC, HELC, VILC, GUYC, RREF, DBBC, TOLC, SDV, ANIL, PRAC, PLMC, YOTC.

UCR 01 16:05:36.0-0.1, 13.92N:95.44W, h28km, 999km, ML4.1, mb4.8(NEIC)

NEIC 01 16:06:06.0-0.4, 14.16N:93.30W, h15km, mb4.8/113, MD4.4(MEX), After MEX.

NEIC Felt at Villahermosa, Tabasco.

MEX 01 16:06:06.0-0.4, 14.16N:93.30W, h15km, 9km, MD4.4

GCMT 01 16:06:06.0-0.4, 14.40N:93.52W, h18km, 1km, MW5.0/92, Moment Tensor Solution. s39,c48; s92,c125; Duration: 0

Moment tensor: Scale 10^19Nm; Mrr 3.14e+20; Mtt 2.42e+20; Mbb -2.62e+20; Best double couple: Mdd 2.41e+20; NP1=138.00000; s82,0.00000; s1,106.00000; NP2=282.00000; s27,0.00000; s57,0.00000; Principal axes: T 4.5680, P1g64.0000, Azm312.0000; P -0.6500, P1g14.0000, Azm312.0000; P -3.9150, P1g21.0000; Azm216.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISCJB 01 16:06:07.5-0.2, 14.50N:0.03-92.98W, 0.02, h33km, mb4.7/116, MS4.3/9. Error ellipse: s-maj=4.6km

s-min=2.8km az=30.8

IDC 01 16:06:14.0-2.3, 14.56N:92.82W, h78km, 19km, mb4.2/28, mb1.4/3/32, mb1mx4.1/56, mbtmp4.5/32, MS4.2/10, MS14.2/10, ms1mx3.8/53, Error ellipse: s-maj=22.8km

s-min=10.2km az=49.0

ISC 01 16:06:07.2-1.6, 14.33N:0.05-93.21W, 0.04, h28km, 10km, n428, r134/430, mb4.7/116, MS4.2/9, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like THIC, PCIG, CCIG, CGIG, TGIG, IXG, APG, APG, HUIG.

Main table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HUIG, CMIG, SBL, SNE, BOOS, SNET, LFU, LFRS, PAVA, LCND, TGUH, TLIG, LVIG, MYIG, JTS, MOIG, JRG, LMG, ZAG, WBCY, FSCY, 833A, MTDJ, HKT, 058A, 446A, 435B, 341A, 958A, HPJG, JCT, JCT, 344A, NATX, 347A, 243A, 241A, 858A, BRAL, 655A, 244A, TXAR, TX31, 349A, 245A, WHTX, 452A, 140A, 351A, 453A, 248A, 144A, 249A, 145A, 454A, 146A, 250A, 352A, 147A, LPJG, 353A, 240A, 241A, 242A, 148A, 251A, 149A, 149X, ABTX, HELC, 246A, TIGA, TIGA, 245A, WLAR, 247A, LRAL, LRAL, Y42A, 151A, 253A, CCAR, 248A, Y44A, 249A, 254A.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Y46A, Z50A, X40A, X39A, MIAR, MIAR, OTAV, Y48A, UALR, OXF, Y49A, 154A, GDL2, MNTX, MNTX, Y50A, X47A, 155A, W40A, W39A, X48A, ROSC, ROSC, WHAR, PRAC, WMOK, WMOK, GOGA, GOGA, X49A, V41A, V40A, MSTX, V39A, W47A, TUL1, AMTX, AMTX, HHAR, U40A, SRIG, U41A, U39A, U42A, NHSC, NHSC, WVT, 319A, 121A, 121A, PBMO, T39A, JSC, T38A, U47A, T41A, T40A, SDV, SDV, TKL, TKL, BNM, S40A, S41A, S38A, S39A, LPM, S43A, KMSC, S44A, LAZ, CCM, CCM, ANMO, R38A, R40A, R39A, R41A, R42A, R43A, TUC, TUC, S48A, Q37A, Q38A, Q40A, Q41A, Q42A.

1d 16h

Table with 5 columns: Station ID, Station Name, Frequency, Mode, and Signal strength. Includes stations like Willow Grove F, New Douglas, Olney, etc.

2012 MAY

Table with 5 columns: Station ID, Station Name, Frequency, Mode, and Signal strength. Includes stations like Toone Canyon, Troy Canyon, etc.

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Table with 5 columns: Station ID, Station Name, Frequency, Mode, and Signal strength. Includes stations like Yellowknife Ar, Dease Lake, etc.

Additional notes and coordinates: IDC 01 16:13:53.7; 1.5, 16:63N; 60.76W, h0km, mb3.6/6, mb1 3.9/9, mb1mx3.6/64, mbtmpr3.7/9, ML3.1/3, Error ellipse: s-maj=36.6km s-min=22.2km az=82.0, TRN 01 16:13:59.9, 16:42N; 60.97W, h32km, MD3.6, ISC 01 16:13:54.8; 2.4, 16:56N; 0104; 60.76W; 0.07, h7km; 14km, BB; 147; 1824/60, mb3.8/6, 1C, Leeward Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DLPL La Plaine, MLYT Lee's Yard, BAMF Morne Balai, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SDV Santo Domingo, SIV San Ignacio, TXAR Lajitas Array, etc.

NIED 01 16:14:00, 35:60N, 141:10E, h11km, Mw4.0 Best double couple. ISCJB 01 16:14:16.3z, 1.1, 35:65N, 0:03, 141:19E, h13km, 6km, mb3.6/14, MS4.5/3, Error ellipse: s-maj=7.9km...

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CHOU Chosi, KTR Katsura, BS04 Boso 4, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H1N12 WAKE ISLAND Hy 27.78 118 T, H1N13 WAKE ISLAND Hy 27.80 118 T, etc.

2012 MAY

0.5nm, 0.6s, baz=41, slow=6.0, SNR=2.7
NVAR Mina Array Bea 76.16 53 P P 16 26 08.2 +1.7
BRTR Keskin Array B 79.52 312 P P 16 26 26.2 +1.2

LPAZ La Paz 147.74 61 PKPb PKPb 16 24 04.5 +0.5

KRSC 01 16:17:34.8z, 1.2, 50:58N x 156:84E, h87km, 9km, ML3.5, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, KDTR Khodutka, KDRR Rus, etc.

SJA 01 16:21:41.2z, 0.3, 29:61S x 71:97W, h5km, 18km, ML2.9, MVG.1

GUC 01 16:21:44.1z, 0.4, 29:84S, 70:23W, h120km, 83km, ML3.0
ISC 01 16:21:38.8z, 3.2, 29:56S, 0:07, 72:1W, 0.1, h5km, 18km, n10, s182S, 1C-2D, Off coast of central Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TLL Tololo Astrono, GO04 Tololo Observa, LCO Las Campanas, etc.

ISCJB 01 16:22:57.0z, 0.4, 38:65N, 0:02, 26:69E, 0.05, h7km, 5km, Error ellipse: s-maj=7.1km s-min=3.9km az=12.3

CSEM 01 16:22:56.7z, 0.1, 38:64N, 26:69E, h10km, ML2.1, Error ellipse: s-maj=9.9km s-min=2.9km az=114.0

ISK 01 16:22:56.5z, 38:64N, 26:70E, h5km, ML2.1/6
DDA 01 16:22:56.4z, 38:67N, 26:64E, h7km, ML2.6

ISC 01 16:22:56.7z, 0.8, 38:65N, 0:02, 26:68E, 0.03, h10km, 5km, n27, s054/40, Aegean Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FOCM Fo'sa, KCRB Karaburun, KRBN Karaburun, etc.

KMA 01 16:33:17.5z, 0.2, 33:70N x 126:06E, h12km, 2km, 5C-6D, Error ellipse: s-maj=2.1km s-min=1.6km az=53.0, South Korea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GOSI Gosan-ri, KSJU Jusu, KSJJU Jessop, etc.

ISCJB 01 16:37:57.6z, 0.1, 18:54N, 0:01, 100:87W, 0.01, h66km, mb5.4/428, Error ellipse: s-maj=2.2km s-min=1.5km az=33.0

IDC 01 16:37:58.1z, 0.5, 18:48N, 100:90W, h58km, 9km, mb5.1/43, mb1.5/145, mb1mx3.1/55, mbtmp3.3/45, MS4.9/40, MS1.4/940, ms1mx4.8/45, Error ellipse: s-maj=13.3km s-min=7.8km az=51.0

MEX 01 16:37:58.0z, 0.6, 18:25N, 101:09W, h51km, 7km, MD5.6, NEIC 01 16:37:58.0z, 0.6, 18:25N, 101:09W, h51km, mb5.5/293, MW5.7, MW5.7, MD5.6(MEX), Moment Tensor Solution.

s24 Moment tensor: Scale 10^17Nm; Mrr=4.32; Mth=3.69; Mtt=0.63; M1=1.6; M2=0.52; M3=0.87; Best double couple: M=4.30000x10^17 Np1:0.287, 0.00000, 0.54, 0.00000, 0.

λ-81.00000°, NP2:0.93, 0.00000°, δ37.00000°, λ-102.00000°, Principal axes: T 3.9800, P1g9.0000°, Azm11.00000°, N 0.6300, P1g7.0000°, Azm102.00000°; P -4.6100, P1g79.0000°, Azm229.00000°; After MEX.

NEIC Felt [VI] at Ciudad Altamirano, [IV] at Zihuatanejo and [III] at Ixtapa. Also felt [III] at Huatamo and [II] at Morelia, Michoacan; [III] at Mexico, Distrito Federal; [III] at Naucalpan and [II] at Nezahualcoyotl, Mexico; [II] at Cuernavaca, Morelos. Felt in many parts of south-central Mexico.

GCMT 01 16:37:58.0z, 1.1, 18:36N x 100:95W, h60km, MW5.8/142, Moment Tensor Solution, s132.2278, s134.c344, Duration: 18s Moment tensor: Scale 10^17Nm; Mrr=4.85±0.05; Mth=4.89±0.04; Mtt=0.04±0.05; M1=0.8±0.04; M2=1.53±0.04; M3=0.97±0.04; Best double couple: M=5.24800x10^17 Np1:0.295, 0.00000, 0.51, 0.00000, λ-79.00000°, NP2:0.97, 0.00000, 0.54, 0.00000, λ-102.00000°. Principal axes: T 5.4310, P1g6.0000°, Azm17.00000°, N -0.3740, P1g9.0000°, Azm107.00000°; P -5.0650, P1g80.0000°, Azm255.00000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.

NEIC 01 16:38:00.0z, 0.0, 18:49N, 100:79W, h70km, Moment Tensor Solution, s38 Moment tensor: Scale 10^17Nm; Mrr=4.81; Mth=4.72; Mtt=0.09; M1=0.88; M2=0.81; M3=1.41; Best double couple: M=5.10000x10^17 Np1:0.293, 0.00000, 0.53, 0.00000, λ-73.00000°, NP2:0.87, 0.00000, 0.54, 0.00000, λ-110.00000°. Principal axes: T 4.9900, P1g7.0000°, Azm11.00000°, N 0.2400, P1g13.0000°, Azm102.00000°; P -5.2300, P1g75.0000°, Azm255.00000°; z=0.0

BUJ 01 16:38:00.5z, 15:50N, 100:80W, h85km, mb5.5/6, mb5.5/3/21, Ms5.6/34, Ms7.5/4/35

MOS 01 16:38:01.4z, 0.9, 18:66N, 100:88W, h93km, mb5.6/100, MS5.0/32, Error ellipse: s-maj=5.9km s-min=3.6km az=9.0

ISC 01 16:37:57.0z, 0.3, 18:29N, 0:02, 101:07W, 0.02, h64km, 2km, h64km, P-P, n1615, s172/1730, mb5.5/444, 18C-28D, Guerrero

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ARIG Puento Sto Nin, ARIG Puento Sto Nin, ZIIG Zihuatanejo, etc.

Table with columns for TXAR, LR, and values. Includes entries like TX31, JCT, JCT, JCT, SNET, HKT, HKT, 435B, SRIG, 541A, TGUH, MNTX, HSIQ, WHTX, 542A, CLNB, GDL2, EPT, 441A, ABTX, 543A, NATX, 442A, 645A, 341A, 544A, 319A, 443A, 545A, 240A, 646A, 342A, 342A, 121A, 121A, 343A, 444A, 241A, M5TX, M5TX, 546A, 445A, 140A, 242A, 141A, 243A, 344A, 446A, 345A, 142A, Z40A, TUC, TUC, TUC, TUC, WMOK, WMOK, WMOK, AMTX, AMTX, BNM, Y22D, Y22E, 244A, 241A, LPM, 346A, 143A, 447A, VBMS, WLAR, LAZ, 245A, 242A, Y40A, 144A, 214A, 214A, ANMO, ANMO, ANMO, 414A, 243A, X39A, 448A, 246A, 145A.

Table with columns for MIAR, JTS, Y42A, CCA, 449A, 348A, Z44A, 247A, X40A, X41A, 146A, X18A, Y43A, W39A, BRAL, 39AL, 450A, Z45A, TUL1, TUL1, UALR, X42A, 248A, W40A, W40A, 147A, HDC, Y44A, Z46A, W18A, W18A, X16A, X43A, 249A, 451A, W41B, 552A, WBCY, 350A, V39A, 148A, X44A, F5CY, Z47A, V40A, W42A, Y46A, T25A, T25A, MHCTO, 351A, 452A, 250A, W43A, V41A, 149A, GLA, GLA, GLA, OXF, OXF, OXF, OXF, 553A, U39A, Z48A, LRAL, LRAL, U40A, V42A, WU4Z, WU4Z, MET, HBAR, Y47A, W44A, Y12C.

Table with columns for Y12C, T38A, 352A, X46A, 150A, 957A, 453A, IKP, SWSC, 554A, 251A, U41A, PDMCI, Z49A, V43A, SDCO, SDCO, 058A, 059Z, W45A, T39A, LCCY, Y48A, 857A, M5CV, M5CV, U42A, BC3, X47A, 958A, S22A, S22A, 552A, MONP, 151A, BAR, V44A, 252A, 454A, Z50A, IRM, 656A, CBCY, W46A, T40A, PLAL, 555A, S38A, 059A, Y49A, U43A, 757A, NEE2, X48A, T41A, V45A, 109C, CPE, CBKS, CBKS, CBKS, CBKS, S39A, DWPF, DWPF, TIGA, TIGA, 253A, 455A, XPFO, PFO, PFO, PFO, BELC, 858A, U15A, 556A, T42A, S40A, PBMO, KSCO, KSCO, W47A.

Y50A Piedmont	20.72	38	P	P	16 42 30.7 -2.2	T46A Princeton	21.98	29	P	P	16 42 44.1 -2.2	ISA	comp=Z,237nm,1.2s	pmax	pmax			
U44A Portageville	20.74	27	P	P	16 42 31.6 -1.5	PASC Pasadena Art C	21.99	319	eP	P	16 42 47.5 +1.0	BGNE Belgrade	comp=Z,187,SNR=9.1	23.18	6	P	P	16 42 56.7 -2.2
U44B Burton Farm, H	20.75	28	P	P	16 42 31.8 -1.3	155A Kite	21.99	46	P	P	16 42 43.2 -3.3	BGNE Belgrade	comp=Z,687nm,1.0s	23.18	6	eP	P	16 42 58.2 -0.7
R38A Fenwick Farm,	20.79	16	P	P	16 42 31.5 -2.1	SHPR Sheep Range	21.99	328	eP	P	16 42 47.6 +0.9	PHWY Pilot Hill	comp=Z,280nm,1.4s	23.24	352	eP	P	16 42 58.6 -1.2
657A Interlachen	20.81	54	P	P	16 42 31.7 -2.2	CCUT Cedar City	22.01	333	eP	P	16 42 48.0 +1.1	OLIL Olney	comp=Z,266nm,0.8s	23.29	26	eP	P	16 42 58.0 -1.9
X49A Woodville	20.83	36	P	P	16 42 31.8 -2.2	P37A Lathrop	22.01	14	P	P	16 42 44.2 -2.4	S48A Wiedeman Farm,	comp=Z,226nm,0.8s	23.25	31	P	P	16 42 57.7 -2.9
PV01 Paradox Valley	20.83	343	eP	P	16 42 35.4 +1.1	357A Townsend	22.02	50	P	P	16 42 43.8 -3.0	Q45A Warren Harvey,	comp=Z,226nm,0.8s	23.41	26	P	P	16 42 58.6 -2.4
LDFC Landfair	20.86	326	eP	Pn	16 42 37.3 -0.4	256A Glennville	22.03	48	P	P	16 42 44.2 -2.7	N38A Joes South For	comp=Z,199,SNR=15	23.42	15	P	P	16 42 58.8 -2.4
V46A Holladay	20.88	31	P	P	16 42 32.2 -3.3	Q40C Laux Farm, Aux	22.07	19	P	P	16 42 45.0 -2.3	O41A Passleys Farm,	comp=Z,205,SNR=50	23.46	20	P	P	16 42 58.7 -2.8
S41A Jillico Farms,	20.89	21	P	P	16 42 33.1 -1.7	SHOC Shoshone, Tec	22.11	326	P	P	16 42 48.3 +0.6	PKM Mohonk Peak	comp=Z,130,SNR=9.2	23.48	318	P	P	16 43 01.6 -0.3
Q24A Divide	20.91	351	P	P	16 42 34.9 -0.3	DECC Green Verdugo	22.14	319	P	P	16 42 47.9 -0.2	CWC Cottonwood Cre	comp=Z,295nm,1.6s	23.50	324	P	P	16 43 02.7 +0.6
859A Kempfer Cattle	20.91	59	P	P	16 42 32.2 -2.8	R43A Red Bud	22.16	24	P	P	16 42 46.0 -2.3	MPU Maple Canyon	comp=Z,219nm,1.6s	23.50	339	eP	P	16 43 02.5 +0.4
PV05 Paradox Valley	20.93	342	eP	P	16 42 36.2 +0.8	S45A Carrier Mills	22.20	27	P	P	16 42 46.8 -1.9	GRAC Grapevine Rang	comp=Z,187,SNR=9.1	23.51	326	P	P	16 43 02.7 +0.6
GMRC Granite Mounta	20.94	325	P	P	16 42 36.6 +1.2	U48A Cassie Pea, Po	22.22	32	P	P	16 42 45.9 -3.0	P43A Skaggs, Pawnee	comp=Z,187,SNR=9.1	23.51	323	P	P	16 43 02.6 -2.4
W48A Pulaski	20.96	34	P	P	16 42 33.3 -2.2	MJC Malvern	22.23	87	iP	P	16 42 52.0 +2.8	NLU North Lily Min	comp=Z,61nm,0.8s	23.59	338	eP	P	16 43 03.4 +0.4
UTMT University of	20.96	28	eP	P	16 42 34.4 -1.1	P38A Dawn	22.24	16	P	P	16 42 46.5 -2.7	R47A Woolly Knot Far	comp=Z,187,SNR=9.1	23.63	30	P	P	16 43 00.8 -2.3
060A Indiantown	20.98	62	P	P	16 42 33.3 -2.4	SNCC San Nicolas Is	22.26	316	eP	P	16 42 49.7 +0.2	VES Vestal, Richgr	comp=Z,187,SNR=9.1	23.66	321	P	P	16 43 04.5 +1.1
T43A Greenville	20.99	25	P	P	16 42 34.0 -1.7	Q41A Truxton	22.30	21	P	P	16 42 47.1 -2.6	R11A Troy Canyon, C	comp=Z,187,SNR=9.1	23.66	331	P	P	16 43 04.4 +0.7
355A Pearson	20.99	48	P	P	16 42 33.3 -2.5	SRU San Rafael Swe	22.32	340	eP	P	16 42 50.0 -0.2	R11A Troy Canyon, C	comp=Z,305nm,1.7s	23.69	16	P	P	16 43 04.0 +0.8
MURC Murrin	21.00	320	P	P	16 42 36.1 +0.2	SRU San Rafael Swe	22.32	340	eP	pmx	16 42 50.0 -0.2	N39A Derby Farms, D	comp=Z,201,SNR=73	23.69	16	P	P	16 43 01.5 -2.1
U45A Rockin P Farm,	21.02	29	P	P	16 42 34.1 -1.9	SRU San Rafael Swe	22.32	340	eP	pmx	16 42 50.0 -0.2	WCI Wyandotte Cave	comp=Z,201nm,0.9s	23.69	30	eP	P	16 43 01.6 -2.0
254A Abbeville	21.03	46	P	P	16 42 34.0 -2.3	P39B Salisbury	22.32	17	P	P	16 42 47.5 -2.5	WCI Wyandotte Cave	comp=Z,201nm,0.9s	23.69	30	eP	P	16 43 02.0 -1.5
758A Lake Helen	21.05	56	P	P	16 42 33.7 -2.7	MTDJ Mount Denham	22.35	86	eP	P	16 42 51.2 +0.6	WCI Wyandotte Cave	comp=Z,201nm,0.9s	23.69	30	eP	pmx	16 43 02.1 -1.5
153A Fort Valley	21.09	44	P	P	16 42 33.6 -3.2	MTDJ Mount Denham	22.35	86	eP	P	16 42 51.5 +0.9	M36A Felix, Anita	comp=Z,187,SNR=9.1	23.70	12	P	P	16 43 01.7 -2.0
KSU1 Kansas State U	21.10	10	P	P	16 42 34.8 -2.0	EDW2 Edwards Air Fo	22.35	321	P	P	16 42 49.3 -1.2	P44A Sand Creek, WI	comp=Z,210,SNR=100	23.70	25	P	P	16 43 02.0 -1.7
KSU1 Kansas State U	21.10	10	eP	P	16 42 35.1 -1.7	Q16A Castle Valley	22.36	339	eP	P	16 42 50.9 +0.3	JSC Jenkinsville	comp=Z,187,SNR=9.1	23.79	44	eP	P	16 43 02.4 -2.1
557A Orange Park	21.12	53	P	P	16 42 35.2 -2.1	MSU Marysvale	22.36	337	eP	P	16 42 51.5 +0.9	JSC Jenkinsville	comp=Z,187,SNR=9.1	23.79	44	eP	P	16 43 02.4 -2.1
R39A Chubby, Stover	21.15	18	P	P	16 42 35.5 -2.0	MSU Marysvale	22.36	337	eP	P	16 42 51.5 +0.9	O42A Bath	comp=Z,207,SNR=44	23.80	21	P	P	16 43 02.0 -2.6
PV04 Paradox Valley	21.17	343	eP	P	16 42 38.0 +0.2	SLM Saint Louis	22.36	23	eP	P	16 42 48.9 -1.5	M37A Trindle Farm,	comp=Z,187,SNR=9.1	23.81	13	P	P	16 43 03.1 -1.6
PV10 Paradox Valley	21.19	342	eP	P	16 42 37.9 -0.2	SLM Saint Louis	22.36	23	eP	pmx	16 42 48.9 -1.5	Q46A CEJHS Indians,	comp=Z,187,SNR=9.1	23.85	27	P	P	16 43 02.6 -2.4
V47A Nunnely	21.19	32	P	P	16 42 35.5 -2.4	R44A Walnutville	22.47	25	P	P	16 42 49.4 -2.3	NHSC New Hope	comp=Z,237,SNR=13	23.85	48	eP	P	16 43 02.9 -2.2
658A Bunnell	21.21	55	P	P	16 42 35.8 -2.3	Q42A Golden Eagle	22.50	22	P	P	16 42 49.4 -2.5	NHSC New Hope	comp=Z,420nm,1.0s	23.86	37	P	P	16 43 03.7 -1.4
456A Hilliard	21.26	51	P	P	16 42 36.8 -1.9	BLG Laguna Peak, P	22.50	311	eP	P	16 42 52.0 0.0	TZTN Tazewell	comp=Z,225,SNR=31	23.86	37	P	P	16 43 02.6 -2.5
T44A Benton	21.27	26	P	P	16 42 36.6 -2.1	BCIP Isla Barro Col	22.51	111	eP	P	16 42 51.8 -0.4	TZTN Tazewell	comp=Z,199nm,1.0s	23.86	37	eP	P	16 43 03.3 -1.9
WVT Waverly	21.28	31	P	P	16 42 36.5 -2.3	CPCT Cooper Cave	22.52	37	eP	P	16 42 50.8 -1.4	SMMC Simmer	comp=Z,199nm,1.0s	23.86	319	P	P	16 43 06.3 +1.0
WVT Waverly	21.28	31	eP	P	16 42 36.2 -2.6	P40A Paris	22.57	18	P	P	16 42 49.9 -2.7	RWWY Rawlins	comp=Z,237,SNR=13	23.81	349	eP	P	16 43 06.6 +0.8
WVT Waverly	21.28	31	eP	pmx	16 42 36.2 -2.6	LRMC Laurel Mt Rd	22.59	323	P	P	16 42 53.4 +0.4	N40A Meritquale, Sal	comp=Z,987nm,1.7s	23.95	18	P	P	16 43 03.5 -2.4
BBRC Big Bear Solar	21.29	321	P	P	16 42 39.7 +0.5	S46A Don Dixon Farm	22.59	28	P	P	16 42 49.9 -3.0	JLU Jordanelle	comp=Z,80nm,1.3s	23.97	340	eP	P	16 43 06.4 0.0
U46A Springville	21.30	30	P	P	16 42 36.5 -2.5	BBJ Bamboe Saint A	22.59	86	iP	P	16 42 56.1 +3.0	N41A Harden Midland	comp=Z,187,SNR=9.1	24.01	19	P	P	16 43 03.8 -2.6
Q37A Longview Farm,	21.31	14	P	P	16 42 36.5 -2.6	OGNE Ogallala	22.59	358	P	P	16 42 51.4 -1.6	M38A Pleasantville	comp=Z,199,SNR=231	24.02	15	P	P	16 43 04.6 -2.0
KNB Kanab	21.33	333	eP	P	16 42 41.3 +1.7	OGNE Ogallala	22.59	358	eP	P	16 42 52.0 -1.0	TIN Tinemaha, Big	comp=Z,137,SNR=83	24.02	325	P	P	16 43 08.1 +1.3
KNB Kanab	21.33	333	eP	pmx	16 42 41.3 +1.7	O37A Wolfen Farm,	22.61	14	P	P	16 42 50.1 -2.9	R48A Northridge Ran	comp=Z,218,SNR=18	24.03	30	P	P	16 43 04.1 -2.6
PV09 Paradox Valley	21.33	342	eP	P	16 42 40.3 +0.6	OSI Osito Audit: C	22.62	319	P	P	16 42 53.5 +0.2	DUG Dugway, Toeel	comp=Z,187,SNR=9.1	24.07	338	eP	P	16 43 06.9 -0.3
HEC Hecor, Ludlow	21.35	323	P	P	16 42 41.1 +1.4	OSI Osito Audit: C	22.62	319	eP	P	16 42 54.0 +0.7	DUG Dugway, Toeel	comp=Z,187,SNR=9.1	24.07	338	eP	P	16 43 07.4 +0.2
R40A Maddies Statio	21.36	19	P	P	16 42 37.6 -2.1	O20A White River Ci	22.64	346	eP	P	16 42 53.9 +0.3	DUG Dugway, Toeel	comp=Z,187,SNR=9.1	24.07	338	eP	pmx	16 43 07.4 +0.2
S42A Caledonia	21.39	23	P	P	16 42 37.6 -2.4	O20A White River Ci	22.64	346	eP	P	16 42 53.7 +0.1	DUG Dugway, Toeel	comp=Z,187,SNR=9.1	24.07	338	eP	pmx	16 43 07.4 +0.2
SMCO Snowmass	21.44	347	eP	P	16 42 41.6 +0.6	257A Skidway Islan	22.64	49	P	P	16 42 51.1 -2.4	RCTO Recto Farmer	comp=Z,175nm,1.4s	24.07	322	P	P	16 43 08.2 +1.1
SC12 San Clemente	21.45	316	P	P	16 42 40.9 +0.2	P18A Preston Nutter	22.70	341	eP	P	16 42 54.3 -0.1	P45A Graceland, Par	comp=Z,187,SNR=9.1	24.11	26	P	P	16 43 05.2 -2.2
V48A Smith Brothers	21.48	33	P	P	16 42 38.1 -2.9	TMUT Trail Mountain	22.71	339	eP	P	16 42 54.5 0.0	CTU Camp Tracy	comp=Z,212,SNR=57	24.14	340	eP	P	16 43 07.5 -0.4
PKCU Pink Cliffs	21.48	335	eP	P	16 42 43.4 +2.0	P17A Butcher Ranch,	22.71	340	eP	P	16 42 54.1 -0.3	O43A Sugar Creek Fa	comp=Z,208,SNR=12	24.15	22	P	P	16 43 05.5 -2.2
CCM Cathedral Cave	21.49	22	eP	P	16 42 38.9 -2.1	O38A Galt	22.73	15	P	P	16 42 51.5 -2.8	Q47A Bedord North L	comp=Z,216,SNR=34	24.20	29	P	P	16 43 06.0 -2.2
CCM Cathedral Cave	21.49	22	eP	pmx	16 42 38.9 -2.1	T48A Bowling Green	22.76	32	P	P	16 42 51.6 -3.1	KMSC Kings Mountain	comp=Z,231,SNR=29	24.27	42	eP	P	16 43 06.6 -2.2
S43A Fulton Ridge,	21.49	24	P	P	16 42 38.5 -2.7	SC2Z Santa Cruz Isl	22.80	317	P	P	16 42 54.8 -0.3	KMSC Kings Mountain	comp=Z,116nm,0.9s	24.29	319	eP	P	16 43 06.8 -2.0
356A Blackshear	21.50	49	P	P	16 42 38.4 -2.8	Q43A New Douglas	22.83	23	P	P	16 42 52.9 -2.5	PAGB Antelope Grade	comp=Z,244nm,1.4s	24.29	319	eP	P	16 43 09.4 +0.2
LCMT Little Creek M	21.51	333	eP	P	16 42 42.7 +1.3	USIN University of	22.84	28	eP	P	16 42 53.4 -2.1	M39A Webster	comp=Z,201,SNR=95	24.34	16	P	P	16 43 07.1 -2.4
154A Montrose	21.55	45	P	P	16 42 38.4 -3.4	FURC Furnace Creek,	22.84	326	P	P	16 42 56.0 +0.5	BLO Bloomington	comp=Z,235nm,1.1s	24.34	28	eP	P	16 43 07.8 -1.6
457A Yulee	21.55	52	P	P	16 42 38.5 -3.3	R45A Skyfar, Fairri	22.84	27	P	P	16 42 53.2 -2.3	BLO Bloomington</						



1d 16h

Table with columns for station ID (e.g., CAPC, L39A), name (e.g., Capurgana, Vinton), time (e.g., 24.95 109), and status (e.g., eP, P). Includes entries like NV11 Mina Array Sit, J31A Geddes, N44A Piper City, etc.

2012 MAY

Table with columns for station ID (e.g., K42A, SNOW, MOC), name (e.g., Prairie Point, Snow King Mtn), time (e.g., 26.36 20), and status (e.g., P, eP). Includes entries like MOC Monteria, CNR Virginia City, etc.

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Table with columns for station ID (e.g., URVA, H42A), name (e.g., University of Shiocton), time (e.g., 28.17 42), and status (e.g., eP, P). Includes entries like H42A Shiocton, IP05 Hopewell Churc, etc.

baz=189	comp=Z,50nm,0.6s	ODNJ	Ogdensburg	32.10	39	eP	P	16 44 17.2	-1.5	PKME	Peaks-Kenny Pk	37.70	37	eP	P	16 45 05.0	-1.9					
HRV Holter Researc	29.70	345	eP	P	16 43 58.2	+0.5	ODNJ	Ogdensburg	32.10	39	eP	P	16 44 17.2	-1.5	PKME	Peaks-Kenny Pk	37.70	37	eP	P	16 45 05.0	-1.9
C33A Trail	29.71	7	P	P	16 43 54.7	-2.9	SADO	Sadowna	32.10	30	P	P	16 44 16.3	-2.8	BBL	Barber's Block	37.94	88	eP	P	16 45 09.0	-0.4
baz=190	comp=Z,23nm,0.4s,ba	SADO	Sadowna	32.14	30	P	P	16 44 16.3	-2.8	MDPO	Dominica; Chan	37.95	88	eP	P	16 45 14.0	+4.6					
C34A Rku Finch, Bem	29.71	8	P	P	16 43 54.6	-3.0	SADO	Sadowna	32.14	30	P	P	16 44 16.3	-2.8	MCG	Mano Galante	38.02	87	eP	P	16 45 12.3	+2.3
baz=192	comp=Z,39nm,0.6s	ULM	Lac du Bonnet	32.16	6	P	P	16 44 15.8	-3.3	DL PL	La Plaine	38.18	86	eP	P	16 45 18.8	+0.4					
SDMD Soldier's Deli	29.72	40	eP	P	16 43 55.8	-2.0	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	HOSN1	Gadeloupe/Mar	38.20	87	P	P	16 45 13.3	+1.7
comp=Z,23nm,0.6s	comp=Z,27nm,0.5s,ba	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.4	-0.7					
KHMM Horse Mountain	29.75	324	eP	P	16 43 58.9	+0.7	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
comp=Z,81nm,1.1s	comp=Z,27nm,0.5s,ba	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
BMO Blue Mountains	29.76	336	eP	P	16 43 57.7	-0.5	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
comp=Z,93nm,1.6s	comp=Z,27nm,0.5s,ba	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
BMO Blue Mountains	29.76	336	eP	P	16 43 57.7	-0.5	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
comp=Z,39nm,1.6s	comp=Z,27nm,0.5s,ba	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
ERPA Erie	29.77	33	P	P	16 43 54.8	-3.5	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
baz=223,SNR=6.0	comp=Z,39nm,1.6s	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
ERPA Erie	29.77	33	eP	P	16 43 55.5	-2.7	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
comp=Z,60nm,0.7s	comp=Z,27nm,0.5s,ba	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
YBH Yreka Blue Hor	29.79	326	P	P	16 43 58.2	-0.3	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
comp=Z,12nm,0.5s,ba	comp=Z,27nm,0.5s,ba	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
YBH Yreka Blue Hor	29.79	326	eP	P	16 43 58.2	-0.3	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
comp=Z,12nm,0.5s,ba	comp=Z,27nm,0.5s,ba	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
YBH Yreka Blue Hor	29.79	326	eP	P	16 43 58.2	-0.3	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
comp=Z,13nm,0.6s	comp=Z,27nm,0.5s,ba	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
F43A Flat Rock, Esc	29.79	20	P	P	16 43 55.5	-2.8	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
comp=Z,33nm,0.7s	comp=Z,27nm,0.5s,ba	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
GLMI Grayliss	29.82	24	P	P	16 43 55.7	-2.9	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
baz=213	comp=Z,39nm,1.6s	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
GLMI Grayliss	29.82	24	eP	P	16 43 57.1	-1.5	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
comp=Z,106nm,0.8s	comp=Z,27nm,0.5s,ba	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
E41A Kenton	29.83	17	P	P	16 43 56.2	-2.5	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
baz=204,SNR=6.8	comp=Z,27nm,0.5s,ba	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
SSPA Standing Stone	29.89	37	P	P	16 43 56.4	-2.9	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
baz=228	comp=Z,55nm,0.8s	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
SSPA Standing Stone	29.89	37	eP	P	16 43 56.8	-2.5	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
comp=Z,50nm,1.3s	comp=Z,27nm,0.5s,ba	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
C35A Jirik Farms, M	29.90	10	P	P	16 43 56.9	-2.5	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
baz=194,SNR=9.4	comp=Z,27nm,0.5s,ba	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
K04D Chiloquin, OR	29.95	329	P	P	16 43 56.8	-3.1	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
baz=138	comp=Z,44nm,1.1s	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
RUCS La Rusia	29.95	111	eP	P	16 44 02.7	+2.0	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
comp=Z,44nm,1.1s	comp=Z,27nm,0.5s,ba	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
RUCS La Rusia	29.95	111	eP	P	16 44 02.7	+2.0	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
comp=Z,44nm,1.1s	comp=Z,27nm,0.5s,ba	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
RUCS La Rusia	29.95	111	eP	P	16 44 02.7	+2.0	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
comp=Z,44nm,1.1s	comp=Z,27nm,0.5s,ba	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
RUCS La Rusia	29.95	111	eP	P	16 44 02.7	+2.0	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
comp=Z,44nm,1.1s	comp=Z,27nm,0.5s,ba	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
RUCS La Rusia	29.95	111	eP	P	16 44 02.7	+2.0	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
comp=Z,44nm,1.1s	comp=Z,27nm,0.5s,ba	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
RUCS La Rusia	29.95	111	eP	P	16 44 02.7	+2.0	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
comp=Z,44nm,1.1s	comp=Z,27nm,0.5s,ba	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
RUCS La Rusia	29.95	111	eP	P	16 44 02.7	+2.0	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
comp=Z,44nm,1.1s	comp=Z,27nm,0.5s,ba	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
RUCS La Rusia	29.95	111	eP	P	16 44 02.7	+2.0	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
comp=Z,44nm,1.1s	comp=Z,27nm,0.5s,ba	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
RUCS La Rusia	29.95	111	eP	P	16 44 02.7	+2.0	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
comp=Z,44nm,1.1s	comp=Z,27nm,0.5s,ba	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4					
RUCS La Rusia	29.95	111	eP	P	16 44 02.7	+2.0	ULM	Lac du Bonnet	32.16	6	P	P	16 44 16.7	-2.4	DFD	Fort de France	38.38	89	eP	P	16 45 12.7	-0.4
comp=Z,44nm,1.1s	comp=Z,27nm,0.5s,ba	ULM	Lac du Bonnet</																			

1d 16h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SML, KDIAK, BRCLK, etc.

2012 MAY

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CPUP, NIKH, ANGO, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MONMU, PMTG, HGH, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like NORARS Array S, Kongsberg, and various local stations.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like YAKUTSK, FETA, MOTA, WATA, and various international stations.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like MORAVSKY BEROU, OBKA, CONA, VSL, YSS, and various international stations.



TPNV	Topopah Spring	16.45	337 ePn	Pn	17 04 22.8 +0.6
PV09	Paradox Valley	16.54	358 ePn	Pn	17 04 24.7 +1.1
MSU	Marysville	16.86	350 ePn	P	17 04 28.2 +0.7
TCRU	Three Creeks R	17.00	349 ePn	P	17 04 31.4 +0.6
Q16A	Castle Valley	17.11	353 ePn	Pn	17 04 31.7 +1.0
PSUT	Pine Spring	17.21	345 ePn	Pn	17 04 33.2 +1.3
SRU	San Rafael Swe	17.24	355 ePn	Pn	17 04 32.9 +0.7
SMCO	Snowmass	17.25	4 ePn	P	17 04 35.3 +1.4
TMUT	Trail Mountain	17.49	353 ePn	Pn	17 04 35.6 +0.1
R11A	Troy Canyon, C	17.50	341 ePn	Pn	17 04 36.3 +0.9
P18A	Preston Nutter	17.73	355 ePn	P	17 04 39.6 +0.7
KSCO	Kaye Shedlock'	17.75	15 ePn	P	17 04 40.4 +1.2
OMMB	Old Mammoth Mi	18.11	332 eP	Pn	17 04 43.4 +0.3
MDPB	Devils Postpil	18.16	332 eP	P	17 04 44.4 +0.6
MPU	Maple Canyon	18.25	352 eP	P	17 04 45.0 +0.3
W39A	Magazine	18.43	41 ePn	Pn	17 04 48.9 +2.2
NV11	Mina Array Sit	18.46	335 eP	P	17 04 47.6 +0.7
NV01	Mina Array Sit	18.52	335 eP	P	17 04 47.6 -0.1
NVAR	Mina Array Bea	18.53	35 ePn	P	17 04 47.5 -0.2
X40A	Basin Creek Fa	18.57	44 ePn	Pn	17 04 49.1 +0.7
DUG	Dugway, Tooele	18.60	349 ePn	Pn	17 04 49.9 +1.0
RYN	Ryan	18.78	353 ePn	Pn	17 04 50.6 +0.1
JLU	Jordanella	18.81	353 ePn	Pn	17 04 52.2 +0.7
CTU	Camp Tracy	18.93	352 ePn	Pn	17 04 54.1 +1.2
KVN	Kaisererville	18.98	336 ePn	P	17 04 53.6 +0.9
WAKR	Walker	19.05	333 ePn	P	17 04 55.0 +1.6
HHAR	Hobbs	19.08	38 ePn	Pn	17 04 54.9 +0.3
CMB	Columbia Colle	19.09	30 ePn	P	17 04 53.9 +0.3
TCUT	Toone Canyon	19.31	353 ePn	P	17 04 56.9 +0.6
YERR	Yerington	19.37	334 ePn	P	17 04 57.9 +0.9
W41B	Gary Mavity, V	19.37	44 ePn	Pn	17 04 58.4 +0.4
V40A	Witts Springs	19.42	41 ePn	Pn	17 04 59.4 +0.7
VCNR	Virginia City	19.80	334 ePn	P	17 05 02.6 +0.9
HWUT	Hardware Ranch	19.81	353 ePn	P	17 05 02.1 +0.3
RUBR	Rubicon Trail	19.81	332 ePn	P	17 05 00.4 -1.4
BMN	Battle Mountai	19.81	34 ePn	P	17 05 02.7 -0.1
PAHR	Pat Rahr Range	20.05	335 ePn	P	17 05 04.5 +0.3
AFDM	Forest Hills D	20.09	330 ePn	P	17 05 06.8 +2.2
HVU	Hansel Valley	20.14	351 ePn	P	17 05 06.5 +1.2
BEKR	Beckworth	20.58	333 ePn	P	17 05 11.3 +1.2
BW06	Boulder Array	20.82	358 ePn	P	17 05 12.3 -0.3
PD31	Pinedale Array	20.82	358 ePn	P	17 05 11.9 -0.7
PDAR	Pinedale Array	20.82	358 ePn	P	17 05 11.4 -1.3
PDAR	Pinedale Array	20.82	358 ePn	P	17 05 11.1 -1.5
ORV	Oroville	20.82	331 ePn	P	17 05 14.0 +1.5
GDXM	Geysers	20.86	327 ePn	P	17 05 12.4 -0.7
AHID	Auburn Hatcher	20.91	354 ePn	P	17 05 13.2 -0.5
REDW	Red Top Meadow	21.48	355 ePn	P	17 05 19.8 -0.1
PBMO	Poplar Bluff	21.52	43 ePn	P	17 05 20.0 -0.1
SNOW	Snow King Moun	21.55	355 ePn	P	17 05 21.9 +1.0
TPAW	Teton Pass	21.62	355 ePn	P	17 05 22.2 +0.8
FXWY	Fox Creek	21.77	355 ePn	P	17 05 23.3 +0.4
MOOW	Moose Ponds	21.86	355 ePn	P	17 05 23.9 +0.1
IMW	Indian Meadow	22.02	355 ePn	P	17 05 26.9 +1.2
PLAL	Pickwick Lake	22.08	49 ePn	P	17 05 27.8 +1.7
HLID	Halley	22.16	348 ePn	P	17 05 27.9 +0.9
WVOR	Wild Horse Val	22.18	340 ePn	P	17 05 28.2 +1.1
RSSD	Black Hills	22.45	8 ePn	P	17 05 31.1 +1.0
H17A	Grant Village	22.49	356 ePn	P	17 05 29.1 -1.6
YHH	Holmes Hill	22.90	356 ePn	P	17 05 35.0 0.0
J08A	Circle Bar Ran	22.96	341 ePn	P	17 05 36.7 +1.2
MCMT	McKenzie Canyo	23.14	352 ePn	P	17 05 39.0 +1.6
DLMT	Dillon	23.64	353 ePn	P	17 05 42.6 +0.5
BOZ	Bozeman (W)	23.77	354 ePn	P	17 05 44.7 +1.3
ECSO	EROS Data Cent	23.87	22 ePn	P	17 05 44.8 +0.6
BMO	Blue Mountains	24.02	344 ePn	P	17 05 43.5 -2.2
CPCT	Cooper Cave	24.86	52 ePn	P	17 05 52.2 -1.1
F10A	Beach Ranch, E	25.05	345 ePn	P	17 05 53.1 -2.0
MSO	Missoula	25.25	351 ePn	P	17 05 55.8 -1.1
G42A	Mountain	28.47	30 ePn	P	17 06 21.1 -4.6
COWI	Conover	28.80	29 ePn	P	17 06 27.8 -0.9
Y4A	Wallace	28.83	31 ePn	P	17 06 26.5 -2.4
GK3A	Yellowknife Ar	40.77	356 P	P	17 08 09.9 -1.6
ILAR	Eielson Array	49.69	34 P	P	17 09 22.2 0.0
LPAZ	La Paz	54.78	131 P	P	17 10 01.2 -0.1

FAKI	Sorong	8.29	283 eSn	Sn	17 04 31.9 -6.7
SJUI	Port Moresby	10.16	130 ePn	Pn	17 04 05.1 +3.2
PMG	Coen	11.69	151 ePn	Pn	17 04 24.1 +1.3
GOEN	Manton Dam	12.84	219 ePn	Pn	17 04 37.6 -0.8
MTN	Soe	16.47	245 eSn	Sn	17 05 30.2 +1.1
SOEI	Baunata	17.20	244 ePn	P	17 05 38.0 +1.3
BATI	Tennant Creek	17.68	196 ePn	Pn	17 05 39.7 -1.9
WRAB	Warrungunga Arr	17.69	196 ePn	Sn	17 05 53.8 -1.4
WRB	Warrungunga Arr	17.70	196 ePn	Sn	17 05 40.8 -1.0
WR1	Warrungunga Arr	17.70	196 ePn	Sn	17 05 40.8 -1.0
WR1	Warrungunga Arr	17.70	196 ePn	Sn	17 05 40.8 -1.0
WR1	Warrungunga Arr	17.70	196 ePn	Sn	17 05 40.8 -1.0
WR1	Warrungunga Arr	17.70	196 ePn	Sn	17 05 40.8 -1.0
WRA	Warrungunga Arr	17.70	196 ePn	Sn	17 05 40.8 -1.0
WRA	Warrungunga Arr	17.70	196 ePn	Sn	17 05 40.8 -1.0
FITZ	Filterz Crossi	20.26	221 ePn	P	17 06 17.7 +0.4
AS01	Alice Springs	21.36	194 ePn	P	17 06 22.4 +0.3
AS31	Alice Springs	21.37	194 ePn	P	17 06 21.9 -0.3
ASAR	Alice Springs	21.37	194 ePn	P	17 06 22.8 +0.6
ASAR	Alice Springs	21.37	194 ePn	P	17 06 22.8 +0.6
EIDS	Eids	25.11	154 ePn	P	17 07 02.8 +3.7
JAGI	Jajag, Banyuw	25.66	256 ePn	P	17 07 04.4 +0.1
MBWA	Marble Bar	26.38	225 ePn	P	17 07 12.2 +1.5
FORF	Forrest	29.77	200 ePn	P	17 07 43.3 +2.4
MAJO	Matsushiro	39.18	359 ePn	P	17 09 02.6 +0.5
MJB9	Matsu-Tunnel	39.18	359 ePn	P	17 09 02.4 +0.3
CMAR	Chiang Mai Arr	45.03	300 ePn	P	17 09 49.7 -0.4
CASY	Cassy	66.49	192 ePn	P	17 12 24.5 +1.5
MK01	Makanchi Array	70.24	322 ePn	P	17 12 46.1 -0.8
MK32	Makanchi Array	70.26	322 ePn	P	17 12 47.3 +0.2
MKAR	Makanchi Array	70.26	322 ePn	P	17 12 47.3 +0.2
KURK	Kurchatov	74.17	325 ePn	P	17 13 10.2 0.0
KURRB	Kurchatov Arra	74.18	325 ePn	P	17 13 10.2 -0.1
VNDA	Vanda	75.61	175 ePn	P	17 13 19.8 +1.6
VNDA	Vanda	75.61	175 ePn	P	17 13 19.4 +1.3
BVAR	Boroyev Array	79.76	325 P	P	17 13 41.8 +0.1
ILAR	Eielson Array	85.28	24 P	P	17 14 11.4 -0.8
QSPA	South Pole Qui	87.12	180 P	P	17 14 20.7 +1.3
QSPA	South Pole Qui	87.12	180 P	P	17 14 20.5 +1.1

ISC/JB 01 17:01:14.9:0.1, 44', 08N:0:02:105:23W:0:02, h0km, mb4.5/55, MS4.0/1, Error ellipse: s-maj=2.6km s-min=1.9km az=158.6

IDC 01 17:11:16.0:0.5, 43:36N:105:34W, h0km, mb4.4/28, mb1 4.4/36, mb1mx4.3/75, mbmt4.3/36, ML3.9/8, MS3.7/2, M1 3.7/2, ms1mx2.9/74, Error ellipse: s-maj=12.8km s-min=6.6km az=154.0

NEIC 01 17:11:16.9:0.1, 44': 11N:105:24W, h0km, mb4.5/35, Error ellipse: s-maj=2.3km s-min=1.9km az=164.0

NEIC 29 km [18 miles] SE of Gillette. Felt [1] at Gillette. Also felt at Upton.

ISC 01 17:11:16.4:0.3, 44:07N:104:05W:0:03, h0km, n274, a137/279, mb4.5/64, Wyoming

Code	Station Name	Δ°	Az°	Phase ID	ISC	h	Time	Res
RSSD	Black Hills	0.89	86	Op	Pb	17	11 35.7 +0.9	
RSSD	Black Hills	0.89	86	iPg	Pb	17	11 35.3 +0.5	
K22A	Casper	1.69	213	P	Pn	17	11 47.3 -0.1	
K22A	Casper	1.69	213	ePn	Pn	17	11 47.1 -0.3	
LAO	LASA Array	2.71	346	P	Pn	17	12 01.7 +0.5	
LAO	LASA Array	2.71	346	P	Sn	17	12 35.3 +0.6	
LAO	LASA Array	2.71	346	ePn	Pn	17	12 01.4 +0.2	
PHWY	Pilot Hill	2.77	183	ePn	Pn	17	12 03.3 +1.0	
RWWY	Rawlins	2.77	212	ePn	Pn	17	12 03.8 +1.5	
RLMT	Red Lodge	3.05	292	P	Pn	17	12 06.7 +0.6	
RLMT	Red Lodge	3.05	292	ePn	Pn	17	12 06.3 +0.2	
N23A	Red Feather La	3.21	189	P	Pn	17	12 10.0 +1.7	
N23A	Red Feather La	3.21	189	ePn	Pn	17	12 09.9 +1.6	
PD31	Pinedale Array	3.39	249	ePn	Pn	17	12 11.1 +0.3	
PDAR	Pinedale Array	3.39	249	Pn	Pn	17	12 11.0 +0.3	
PDAR	Pinedale Array	3.39	249	Pg	Pb	17	12 16.1 -1.4	
PDAR	Pinedale Array	3.39	249	Pg	Lg	17	12 58.2	
PDAR	Pinedale Array	3.39	249	Pg	Lg	17	12 16.1 -1.4	
PDAR	Pinedale Array	3.39	249	Pg	Lg	17	12 58.2	
BW06	Boulder Array	3.39	249	P	Pn	17	12 11.1 +0.4	
BW06	Boulder Array	3.39	249	ePn	Pn	17	12 11.1 +0.4	
GCMT	Greycliff	3.57	300	ePn	Pn	17	12 13.8 +0.6	
H17A	Grant Village	3.83	277	P	Pn	17	12 18.5 +1.6	
H17A	Grant Village	3.83	277	Sb	Sb	17	13 14.3 +2.3	
H17A	Grant Village	3.83	277	ePn	Pn	17	12 17.1 +0.2	
LOHW	Long Hollow	3.89	255	ePn	Pn	17	12 19.0 +1.3	
OGNE	Ogala	3.93	141	P	Pn	17	12 18.8 +0.7	
OGNE	Ogala	3.93	141	ePn	Pn	17	12 20.1 +2.0	
MOOW	Moose Ponds	3.97	267	ePn	Pn	17	12 19.6 +0.8	
YPP	Pitchstone Pla	3.99	275	ePn	Pn	17	12 22.0 +2.9	
YFT	Old Faithful	4.02	277	ePn	Pn	17	12 16.2 +1.2	
SNOW	Snow King Moun	4.02	263	ePn	Pn	17	12 20.8 +1.3	
YHH	Holmes Hill	4.07	282	ePn	Pn	17	12 19.9 -0.3	
IMW	Indian Meadow	4.10	270	ePn	Pn	17	12 21.0 +0.7	
REDW	Red Top Meadow	4.11	262	ePn	Pn	17	12 21.4 +0.7	
YMR	Yellowknife Riv	4.13	292	ePn	Pn	17	12 19.9 +0.9	
TPAW	Teton Pass	4.16	264	ePn	Pn	17	12 22.3 +1.0	
FXWY	Fox Creek	4.19	266	ePn	Pn	17	12 22.0 +0.2	
ISCO	Idaho Springs	4.27	184	P	Pn			





SIV	20nm,0.3s,baz=255,slow=11,SNR=186	S	Sn	17 27 58.3	-0.2
PTGA	2.7nm,0.3s,baz=322,slow=19,SNR=6.3	P	P	17 29 05.9	-0.8
TXAR	1.3nm,0.6s,baz=186,slow=15,SNR=4.9	P	P	17 34 28.4	-0.9
TORD	0.3nm,0.8s,baz=149,slow=7.4,SNR=3.1	P	P	17 35 56.7	+1.2
YKA	1.1nm,0.5s,baz=253,slow=5.5,SNR=19.9	P	P	17 37 16.9	+0.3
YKA	0.6nm,0.6s,baz=132,slow=4.7,SNR=17	P	P	17 37 16.9	+0.3
WRA	0.1nm,0.3s,baz=154,slow=1.7,SNR=7.9	PKP	PKP	17 43 22.6	-1.0
MKAR	0.5nm,0.6s,baz=309,slow=4.7,SNR=6.3	PKP	PKP	17 43 44.2	+0.7

KRNET 01 17:29:00.6.0.1, 40.95N, 69.65E, mb3.1  
 NNC 01 17:29:00.8.4.5, 40.89N, 69.41E, h0km, mb3.6, mpv3.2,  
 Error ellipse: s-maj=35, 1km s-min=16.3km az=51.0

SOME 01 17:29:01.4, 40.80N, 69.87E, h5km  
 ISC 01 17:29:59.7.2.0, 40.82N, 0.05:69.3E:0.1, h15km, 13km,  
 n26, r178/44, 17C-10D, Tajikistan

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				Op h m s	ISC
BTK	Batken	1.39 123	↑P	17 29 24.6	0.0
BTK	baz=35		↑S	17 29 42.5	-0.5
IUG	Iuzhnyy	1.44 22	eP	17 29 26.6	+0.8
IUG	257nm,0.2s		eS	17 29 45.1	-0.9
CHM	Chimkent	1.52 9	eP	17 29 29.8	+1.0
CHM	56nm,0.2s		eS	17 29 50.1	+1.5
ARK	Arkit	2.23 63	↑P	17 29 36.7	+0.4
ARK	baz=64		↑S	17 30 03.2	-0.5
KK31	Kararay Array	2.46 21	Pn	17 29 41.6	-2.0
KK31	4.9nm,0.3s,baz=197,slow=15,SNR=176		↓Sn	17 30 11.9	-1.8
DZA	Taraz	2.57 36	eP	17 29 45.0	-0.5
DZA	29nm,0.1s		eS	17 30 16.2	-0.7
ARSB	Arslanbob	2.83 79	↑eP	17 29 45.9	+1.4
ARSB	baz=81		↑S	17 30 18.0	-0.5
MNAS	Manas	2.92 54	↑P	17 29 45.5	-0.3
MNAS	3.9nm,0.5s		↑Sn	17 29 22.9	+2.1
MNAS	11nm,0.5s		↑P	17 29 47.3	+1.5
MNAS	baz=53		↑S	17 30 20.3	-0.5
SFK	Sufi-Kurgan	3.31 103	↑P	17 29 54.0	+2.9
SFK	3.2nm,0.4s		↑Sn	17 30 34.5	-3.9
SFK	9.3nm,0.4s		↑P	17 29 53.5	+2.3
SFK	baz=6.0		↑S	17 30 31.7	+1.3
MRKS	Merke	3.51 55	eP	17 29 59.4	-2.2
MRKS	8.5nm,0.5s		eS	17 30 41.0	-3.2
AML	Almayashu	3.55 67	P	17 29 60.0	-2.5
EKS2	Erkin-Say	3.82 60	P	17 30 05.3	-1.6
EKS2	SNR=10		↑P	17 29 59.5	+1.3
EKS2	baz=60		↑S	17 30 41.7	-1.2
UCH	Uchtor	4.16 69	P	17 30 14.1	+1.2
UCH	SNR=12		↑P	17 30 04.1	+1.0
UCH	baz=69		↑eS	17 30 50.7	-1.0
AAK	Ala-Archa	4.29 63	↑P	17 30 13.6	-1.3
AAK	6.4nm,0.3s		↑Lg	17 31 03.7	
AAK	8.6nm,0.7s		↑P	17 30 13.8	-1.1
USP	Ospenovka	4.58 56	P	17 30 18.6	-1.2
KZA	Kyzart	4.65 72	↑eP	17 30 10.5	+0.8
KZA	baz=73		↑eS	17 31 02.2	-1.4
TKM2	Tokmak 2	5.15 64	↑P	17 30 28.2	-1.3
TKM2	3.6nm,0.7s		↑Lg	17 31 30.9	
TKM2	7.8nm,0.6s		↑P	17 30 28.3	-1.3
DGS	Degeres	5.39 61	eP	17 30 33.3	-0.4
DGS	4.9nm,0.6s		eS	17 31 40.0	+1.7
KST	Kastek	5.45 64	↑P	17 30 40.0	-0.5
KST	7.6nm,0.8s		↑S	17 31 41.0	+1.2
KUU	Kury	6.05 57	eP	17 30 46.6	+1.7
KUU	3.6nm,0.8s		eS	17 32 02.1	+5.0

ISCJB 01 17:32:40.8.0.2, 47.56N, 0.02:92.56W, 0.02, h0km, Error  
 ellipse: s-maj=2.4km s-min=2.1km az=177.1  
 OTT 01 17:32:42.3.0.7, 47.59N, 92.51W, h0km, MN2.9/8, Blast,  
 Minnesota, U.S. Mining explosion.  
 ISC 01 17:32:41.0.0.7, 47.58N, 0.02:92.56W, 0.02, h0km, n48,  
 r123/79, Minnesota

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				Op h m s	ISC
C36A	Pine Crest Far	0.26 313	Op	17 32 47.0	+1.1
C36A	baz=138,SNR=30		S	17 32 50.9	+1.5
C37A	Embarrass	0.29 59	P	17 32 47.6	+1.0
C37A	baz=236,SNR=67		S	17 32 52.0	+1.6
D37A	Cotton	0.43 168	P	17 32 49.3	+0.1
D37A	baz=347,SNR=65		S	17 32 54.8	0.0
D36A	Goodland	0.58 226	P	17 32 51.7	-0.3
D36A	baz=47,SNR=22		S	17 32 58.9	-0.6
EYMN	Ely	0.81 62	P	17 32 56.5	+0.1
EYMN	baz=242,SNR=40		S	17 33 07.8	+1.0
EYMN	Ely	0.81 62	PG	17 32 56.6	+0.2
EYMN	baz=242		SG	17 33 07.1	+0.2
EYMN	comp=Z,0.0nm,0.2s		Trac	17 33 09.2	
C38A	Sawbill Land	0.88 80	P	17 32 57.6	-0.2
C38A	baz=260,SNR=50		P	17 32 59.1	-0.4
C35A	Jirik Farms, M	0.97 278	P	17 33 11.9	-0.1
C35A	baz=98,SNR=24		S	17 33 11.9	-0.1
B35A	Bob, Littlelor	1.11 315	P	17 33 02.7	+0.5
B35A	baz=136,SNR=12		S	17 33 17.2	+0.7
D35A	Remer	1.13 244	P	17 33 02.2	-0.5
D35A	baz=64,SNR=27		S	17 33 16.5	-0.9

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				Op h m s	ISC
E36A	McGregor	1.17 204	P	17 33 02.6	-0.7
E36A	baz=24,SNR=13		P	17 33 03.5	-0.2
E38A	The Farm, Brul	1.19 145	P	17 33 08.2	+0.2
ATKO	Atkokan Iron	1.40 27	PG	17 33 26.1	+0.2
ATKO	comp=Z,4.1nm,0.2s		Trac	17 33 31.2	
C34A	RK Ranch, Bem	1.59 273	P	17 33 10.0	-0.4
C34A	baz=92,SNR=22		S	17 33 31.6	-0.1
E35A	Pequot Lakes	1.62 232	P	17 33 10.6	-0.2
E35A	baz=51,SNR=19		S	17 33 32.6	+0.1
C39A	Grand Marais	1.66 81	P	17 33 11.2	-0.1
C39A	baz=262,SNR=61		S	17 33 33.5	+0.3
C39A	baz=262		S	17 33 12.4	-0.2
B34A	Aery, Baudette	1.67 304	P	17 33 35.2	+0.5
B34A	baz=123,SNR=37		S	17 33 12.1	+0.4
F38A	Pierce - Schro	1.69 164	P	17 33 34.2	+0.2
F38A	baz=344,SNR=38		S	17 33 13.6	0.0
E39A	Mellen	1.82 131	P	17 33 37.7	+0.3
E39A	baz=311,SNR=20		S	17 33 14.6	+0.7
F36A	Milaca	1.84 202	P	17 33 38.4	+0.5
F36A	baz=21,SNR=54		S	17 33 14.6	+0.5
D34A	Rapid Rapids	1.86 256	P	17 33 19.0	+0.7
D34A	baz=74,SNR=28		S	17 33 17.3	+1.1
F39A	Loretta	2.01 145	P	17 33 42.8	+0.9
F39A	baz=326,SNR=36		S	17 33 17.3	+1.1
E34A	Wadena	2.08 240	P	17 33 17.7	+0.5
E34A	baz=59,SNR=54		S	17 33 44.4	+0.7
E40A	Wakefield	2.14 121	P	17 33 18.1	+0.1
E40A	baz=302,SNR=6.1		S	17 33 46.0	+0.7
B33A	Robert and Kas	2.15 290	P	17 33 18.7	+0.6
B33A	baz=108,SNR=7.0		S	17 33 49.3	+0.8
C33A	Trail	2.18 276	P	17 33 19.5	+0.6
C33A	baz=94,SNR=22		S	17 33 19.5	+0.6
F35A	Swanville	2.21 220	P	17 33 20.9	+1.6
F35A	baz=98,SNR=5.8		SN	17 33 51.1	+0.7
EPL0	Experimental L	2.23 340	PN	17 33 20.9	+1.6
EPL0	baz=349		Trac	17 33 54.5	
D33A	AnnSam, Waubun	2.28 260	P	17 33 20.2	+0.4
D33A	baz=78		P	17 33 21.1	+0.6
C40A	Isle Royale Na	2.32 80	P	17 33 21.1	+0.6
C40A	baz=262,SNR=29		P	17 33 21.1	+0.4
AGMN	Agassiz Nation	2.34 289	P	17 33 21.1	+0.4
AGMN	baz=107		P	17 33 21.1	+0.2
SPMN	Marine on St.	2.36 184	P	17 33 21.6	+0.6
SPMN	baz=3.9,SNR=8.7		PN	17 34 00.8	
TBO	Thunder Bay	2.37 62	PN	17 33 23.9	+1.5
TBO	comp=Z,1.3nm,0.1s		Trac	17 34 00.8	
SOLO	Sioux Lookout	2.46 7	PN	17 33 55.7	-1.4
SOLO	comp=Z,5.0nm,0.1s		Trac	17 34 03.1	
E33A	Westby DABS, E	2.59 247	P	17 33 24.7	+0.5
E33A	baz=66		PN	17 33 36.0	+0.1
ULM	Lac du Bonnet	3.45 322	PN	17 34 12.8	-4.8
ULM	baz=73		PG	17 34 28.2	
ULM	comp=Z,2.4nm,0.4s		Trac	17 34 31.1	
C31A	Landman Farms,	3.50 275	P	17 33 36.9	+0.2
C31A	baz=92,SNR=5.4		P	17 33 40.3	-0.2
E31A	Nome	3.78 256	P	17 33 40.9	+0.2
E31A	baz=73		P	17 33 46.1	+0.2
I39A	Aktion	3.79 169	PN	17 34 33.8	-2.4
I39A	baz=349,SNR=7.4		SN	17 34 53.8	
PKLO	Pickle Lake	4.18 19	PN	17 33 48.2	+0.8
PKLO	comp=Z,6.9nm,0.2s		Trac	17 33 47.0	-0.5
PKLO	baz=352,SNR=8.0		PN	17 34 34.0	-3.6
J39A	Decorah	4.29 172	P	17 33 47.0	-0.5
J39A	comp=Z,4.5nm,0.1s		Trac	17 34 54.2	
GTO	Geraldton	4.29 58	PN	17 35 07.0	+1.6
GTO	baz=16		PG	17 36 38.0	
GTO	comp=N,4.76nm,0.4s		Trac	17 36 38.0	
BP09	IPOC Station P	2.73 284	↑P	17 35 54.2	+1.6
BP09	comp=N,4.76nm,0.4s		Trac	17 36 31.1	-0.4
BP09	baz=136		IAML	17 36 38.0	
BP15	IPOC Station P	2.93 255	eP	17 35 54.4	+0.6
BP15	comp=N,4.76nm,0.4s		eS	17 36 35.0	-0.5
BP06	IPOC Station P	2.94 265	eP	17 35 55.3	+0.4
BP06	comp=N,4.76nm,0.4s		eS	17 36 34.7	-1.0
BP06	baz=136		IAML	17 35 37.1	
BP01	IPOC Station P	3.21 296	↑P	17 35 58.7	+0.9
BP01	comp=N,4.76nm,0.4s		eS	17 36 40.4	-0.6
BP07	IPOC Station P	3.32 282	↑P	17 36 00.0	+0.8
BP07	comp=N,4.76nm,0.4s		eS	17 36 42.2	-1.1
BP08	IPOC Station P	3.47 312	↑P	17 36 29.2	+1.7
BP08	comp=N,4.76nm,0.4s		eS	17 36 47.3	+0.5
BP08	baz=136		IAML	17 36 52.6	
BP04	IPOC Station P	3.48 272	↑P	17 36 01.4	+0.5
BP04	comp=N,4.76nm,0.4s		eS	17 36 45.1	-1.3
ANCH	Antofagasta	3.88 251	↑P	17 37 07.9	+1.6
ANCH	comp=N,4.76nm,0.4s		S	17 37 07.7	+1.3
GOO2	Mina Guanaco	3.96 227	↑P	17 36 08.8	+0.2
GOO2	comp=N,4.76nm,0.4s		S	17 36 55.6	-1.1
MNMC	Minye Minye	4.48 318	↑P	17 36 14.2	+1.3
MNMC	comp=N,4.76nm,0.4s		S	17 37 07.9	+1.6
PSGC	Pisagua	4.51 309	eP	17 36 12.7	-0.3
PSGC	comp=N,4.76nm,0.4s		S	17 37 05.6	-2.9
LPAZ	La Paz	6.38 345	P	17 36 38.1	+1.4
LPAZ	comp=E,0.9nm,0.3s,baz=134,slow=5.9,SNR=19		S	17 37 50.6	-0.7

ISCJB 01 17:35:02.5.0.7, 22.53S, 0.05:66.35W, 0.05, h245km,  
 mb3.5/4, Error ellipse: s-maj=7.2km s-min=6.5km az=44.2  
 IDC 01 17:35:03.8.2.6, 22.40S, 66.08W, h244km, mb3.3/4,  
 mb1 3.5/6, mb1mx3.2/46, mbtmp3.8/6, Error ellipse:  
 s-maj=32.4km s-min=24.0km az=75.0  
 GUC 01 17:35:04.3.0.5, 22.47S, 66.75W, h257km, 17km, ML4.5,  
 ISC 01 17:35:03.2.0.8, 22.49S, 0.06:66.40W, 0.08, h245km, n19,  
 r154/29, mb3.4/4, 6C-2D, Jujuy Province

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				Op h m s	ISC
KANT	Kantlaya Hill	7.56 8	eP	17 40 32.4	+0.4
KANT	HAIRP	7.58 40	eP	17 40 32.2	-0.9
BALM	Baldy	7.58 45	eP	17 40 32.2	-0.9
BALM	baz=136		eS	17 41 53.5	-4.9
BALM	baz=136		eP	17 41 53.5	-4.9
BALM	baz=136		eP		







Code	Station Name	$\Delta^\circ$	AZ	Phase ID	ISC	Time	Res
		$\Delta^\circ$	AZ	Op	h m s	ISC	
CHGB	baz=10.0	eS	Sb			17 46 03.5	+0.9
TCU	Taichung	1.34	360	eP	Pn	17 45 44.5	-0.5
ENLB	Shoufeng	1.38	38	eP	Pb	17 45 46.3	-0.4
HWA	Hwaiien	1.44	36	eP	Pb	17 45 47.9	+0.2
TDCB	Techi	1.50	17	eP	Pn	17 45 47.5	-0.1
TDCB	baz=17	eS	Sb			17 46 09.7	+2.0
TWT	Tachien	1.51	17	eP	Pn	17 45 47.5	-0.1
TWT	baz=17	eS	Sb			17 46 09.3	+1.5
TWD	Chiawan	1.52	33	eP	Pn	17 45 47.4	-0.2
TWD	baz=32	eS	Sb			17 46 08.6	+0.7
NACB	Ninganchiao	1.60	31	eP	Pn	17 45 48.5	-0.2
NACB	baz=30	eS	Sb			17 46 09.4	-0.8
NMLH	Miaoili	1.73	3	eP	Pb	17 45 52.1	-0.6
NNSB	Datong	1.74	22	eP	Pn	17 45 51.3	+0.6
NNS	Nan Shan	1.75	21	eP	Pn	17 45 51.8	+0.9
NSTT	Nanjiang	1.84	9	eP	Pn	17 45 51.8	-0.2
LIOB	Emei	1.86	9	eP	Pn	17 45 52.4	+0.1
ENA	Nanau	1.88	31	eP	Pn	17 45 52.6	0.0
NANB	Nanao	1.89	31	eP	Pn	17 45 52.5	-0.1
NANB	baz=44	eS	Sb			17 46 18.1	-0.4
ENAH	Nanao	1.94	32	eP	Pb	17 45 55.9	-0.3
YHNB	Yeheng	1.96	19	eP	Pn	17 45 53.7	0.0
YHNB	baz=19	eS	Sb			17 46 21.0	+0.3
ENTT	Nioudou	2.00	24	eP	Pb	17 45 55.6	-1.6
TWC	Suao	2.09	31	eP	Pn	17 45 56.4	+1.0
NWLT	Wulai	2.10	21	eP	Pb	17 45 57.4	-1.7
WLTB	Daxi	2.10	14	eP	Pb	17 45 57.8	-1.2
TWE	Neicheng	2.11	25	eP	Pb	17 45 57.2	+1.5
EOS1	EOS1	2.18	37	eP	Pb	17 45 58.8	-1.6
TATO	Taipei	2.28	19	eP	Pb	17 46 00.1	-2.0
NTC	Toucheng	2.29	27	eP	Pb	17 46 00.7	-1.6
EGS	baz=30	eP	Pn			17 46 00.4	+1.7
VWUC	VWUC	2.45	333	eP	Pn	17 45 58.5	-1.9
YM04	YM04	2.46	18	eP	Pn	17 46 00.9	+0.2
YM10	YM10	2.47	19	eP	Pn	17 46 00.6	-0.2
YM05	YM05	2.48	19	eP	Pn	17 45 60.0	-1.0
YM03	YM03	2.49	18	eP	Pb	17 46 04.8	-0.9
TWB1	Santiago Chiao	2.50	28	eP	Pn	17 46 02.2	+1.2
JYNG	Yonagunijimaku	2.64	51	eP	Pn	17 46 04.3	+1.3
JYNG	baz=307	eS	Sb			17 46 36.4	+1.9
KNMB	Chin-men Tao	2.67	309	eP	Pn	17 46 02.6	-0.9
YOJ	Yonaguni jima	2.70	52	eP	Pn	17 46 04.8	+1.0
YOJ	baz=50	eS	Sb			17 46 37.1	+1.3
YOJ	Yonaguni jima	2.70	52	P	Pn	17 46 05.4	+1.6
YOJ	baz=17	eS	Sb			17 46 37.9	+2.1
HATJ	Hateruma jima	3.13	66	eS	Pn	17 46 10.6	+0.9
HATJ	baz=18	eS	Sb			17 46 46.1	-0.3
IRIF	Iriomote-Funau	3.18	61	eS	Pn	17 46 11.7	+1.2
IRIF	baz=18	eS	Sb			17 46 50.5	+2.7
JKRS	Kuro-shima	3.37	64	eP	Pn	17 46 14.5	+1.5
JKRS	baz=349	eP	Pn			17 46 53.2	+0.8
MATB	Ma-tsu	3.40	349	eP	Pn	17 46 11.5	-1.7
JJJ	Ishigaki jima	3.53	63	P	Pn	17 46 15.7	+0.4
JJJ	baz=346	eS	Sb			17 46 56.1	-0.4
JISG	Ishigakijimahi	3.77	61	P	Pn	17 46 18.9	+0.3
JISG	baz=50	eS	Sb			17 47 02.7	+0.4
JJT	Tarama	4.11	63	eS	Pn	17 47 11.4	+0.7

CSEM 01 17:48:30.9, 42:78N:12:52E, h7km, ML1.5/37  
 ROM 01 17:48:30.9, 0.1, 42:782N, 0:0003:12:518E, 0:0005,  
 h7km, ML1.5/18, Central Italy

Code	Station Name	$\Delta^\circ$	AZ	Phase ID	ISC	Time	Res
		$\Delta^\circ$	AZ	Op	h m s	ISC	
MGAB	comp=N,125um,0.4s			AML	AML		
CESI	CESI - Serrava	0.36	52	P	Sb	17 48 38.9	-0.8
CESI	comp=N,123um,0.4s			P	Pb	17 48 44.8	-0.8
CESI	CESI - Serrava	0.36	52	P	Pb	17 48 38.9	-0.8
CESI	comp=E,59um,0.9s			AML	AML		
CESI	comp=N,42um,0.4s			AML	AML		
CESI	comp=E,59um,0.9s			AML	AML		
CESI	comp=N,42um,0.4s			AML	AML		
CESI	comp=E,59um,0.9s			AML	AML		
CESI	comp=N,42um,0.4s			AML	AML		
ATCC	AVT- Casa Cast	0.41	12	P	Pb	17 48 39.8	-0.7
ATCC	AVT- Casa Cast	0.41	12	P	Pb	17 48 39.8	-0.7
ATCC	comp=E,64um,1.5s			AML	AML		
ATCC	comp=N,54um,0.3s			AML	AML		
ATCC	comp=N,54um,0.3s			AML	AML		
ATCC	comp=N,54um,0.3s			AML	AML		
ATCC	comp=N,54um,0.3s			AML	AML		
ATCC	comp=N,54um,0.3s			AML	AML		
ATCC	comp=N,54um,0.3s			AML	AML		
LNSS	Leonessa	0.42	115	P	Pg	17 48 39.7	+0.5
LNSS	Leonessa	0.42	115	P	Sb	17 48 46.6	-0.8
LNSS	Leonessa	0.42	115	P	Pg	17 48 39.7	+0.6
LNSS	comp=E,162um,0.9s			AML	AML		
LNSS	comp=N,194um,1.5s			AML	AML		
LNSS	comp=E,162um,0.9s			AML	AML		
LNSS	comp=N,194um,1.5s			AML	AML		
LNSS	comp=E,162um,0.9s			AML	AML		
LNSS	comp=N,194um,1.5s			AML	AML		
ATTE	AVT- Monte Tez	0.43	344	P	Pb	17 48 40.8	-0.1
ATTE	AVT- Monte Tez	0.43	344	P	Sb	17 48 46.7	-0.9
ATTE	AVT- Monte Tez	0.43	344	P	Pb	17 48 40.8	-0.1
ATTE	comp=E,45um,1.1s			AML	AML		
ATTE	comp=N,41um,1.0s			AML	AML		
ATTE	comp=E,45um,1.1s			AML	AML		
NRCA	Norcia	0.44	83	P	Pg	17 48 40.2	+0.7
NRCA	Norcia	0.44	83	P	Sb	17 48 47.2	-0.7
NRCA	Norcia	0.44	83	P	Pg	17 48 40.1	+0.7
NRCA	comp=E,134um,0.1s			AML	AML		
NRCA	comp=N,150um,0.1s			AML	AML		
NRCA	comp=N,150um,0.1s			AML	AML		
NRCA	comp=N,150um,0.1s			AML	AML		
SACS	San Casciano d	0.45	279	P	Pg	17 48 40.4	+0.7
SACS	San Casciano d	0.45	279	P	Pg	17 48 40.4	+0.7
SACS	comp=E,41um,1.3s			AML	AML		
SACS	comp=N,31um,0.3s			AML	AML		
SACS	comp=N,31um,0.3s			AML	AML		
SACS	comp=N,31um,0.3s			AML	AML		
SACS	comp=N,31um,0.3s			AML	AML		
SACS	comp=N,31um,0.3s			AML	AML		
SACS	comp=N,31um,0.3s			AML	AML		
MURB	Monte Urbino	0.48	1	P	Pb	17 48 41.2	-0.5
MURB	Monte Urbino	0.48	1	P	Pb	17 48 41.1	-0.6
MURB	comp=E,217um,0.3s			AML	AML		
MURB	comp=N,184um,0.3s			AML	AML		
MURB	comp=N,184um,0.3s			AML	AML		
MURB	comp=N,184um,0.3s			AML	AML		
MURB	comp=N,184um,0.3s			AML	AML		
MURB	comp=N,184um,0.3s			AML	AML		
MURB	comp=N,184um,0.3s			AML	AML		
MURB	comp=N,184um,0.3s			AML	AML		
FDMO	Fiordimonte	0.49	59	P	Pb	17 48 41.3	-0.5
FDMO	Fiordimonte	0.49	59	P	Sb	17 48 48.6	-0.6
FDMO	Fiordimonte	0.49	59	P	Pb	17 48 41.3	-0.5
FDMO	comp=E,69um,0.2s			AML	AML		
FDMO	comp=N,76um,0.2s			AML	AML		
FDMO	comp=N,76um,0.2s			AML	AML		
FDMO	comp=N,76um,0.2s			AML	AML		
FDMO	comp=N,76um,0.2s			AML	AML		
FDMO	comp=N,76um,0.2s			AML	AML		
FDMO	comp=N,76um,0.2s			AML	AML		
ATVA	AVT- Monte Val	0.53	341	P	Pg	17 48 41.6	+0.5
ATVA	AVT- Monte Val	0.53	341	P	Pg	17 48 41.6	+0.5
ATVA	comp=E,36um,0.2s			AML	AML		
ATVA	comp=N,35um,0.2s			AML	AML		
ATVA	comp=N,35um,0.2s			AML	AML		
ATVA	comp=N,35um,0.2s			AML	AML		
ATVA	comp=N,35um,0.2s			AML	AML		
ATVA	comp=N,35um,0.2s			AML	AML		
ATVA	comp=N,35um,0.2s			AML	AML		
ATVA	comp=N,35um,0.2s			AML	AML		
ATVO	AVT- Monte Val	0.60	352	P	Pb	17 48 43.2	+0.6
ATVO	AVT- Monte Val	0.60	352	P	Pb	17 48 43.2	-0.6
ATVO	comp=E,38um,0.9s			AML	AML		
ATVO	comp=N,31um,0.8s			AML	AML		
ATVO	comp=N,31um,0.8s			AML	AML		
ATVO	comp=N,31um,0.8s			AML	AML		
ATVO	comp=N,31um,0.8s			AML	AML		
ATVO	comp=N,31um,0.8s			AML	AML		
ATVO	comp=N,31um,0.8s			AML	AML		
ATVO	comp=N,31um,0.8s			AML	AML		
SMA1	SAN MARTINO	0.62	104	P	Pg	17 48 43.4	+0.5
SMA1	SAN MARTINO	0.62	104	P	Sb	17 48 52.9	-0.2
SMA1	SAN MARTINO	0.62	104	P	Pg	17 48 43.4	+0.5
SMA1	comp=E,293um,0.4s			AML	AML		
SMA1	comp=N,161um,0.2s			AML	AML		
SMA1	comp=N,161um,0.2s			AML	AML		
SMA1	comp=N,161um,0.2s			AML	AML		
SMA1	comp=N,161um,0.2s			AML	AML		
SMA1	comp=N,161um,0.2s			AML	AML		
SMA1	comp=N,161um,0.2s			AML	AML		
SMA1	comp=N,161um,0.2s			AML	AML		
CAFI	Castiglione Fio	0.68	324	P	Pg	17 48 44.3	+0.3
CAFI	Castiglione Fio	0.68	324	P	Pg		



1d 18h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like MXTX Muleshoe, ANMO Albuquerque, ANMO Albuquerque, BC3 Big Chuckawall, W18A Petrified Fore, W18A Petrified Fore, PDMCI Parker Dam, LAK Lak, ABTX Abilene, Hawle, IRM Iron Mountain, TPFO Pinon Flats, XPFO Piason Flat, PFO Pinon Flats O, BELC Belle Mtn. Jos, CMIG Matias Romero, WUAZ Wupatki, WUAZ Wupatki, W13A Hualapai Mount, WHTX Lake Whitney, GMRC Granite Mounta, AMTX Amarillo, AMTX Amarillo, LDFO Landfair, HEC Hector, Ludlow, U15A North Rim, SNCC San Nicolas Is, GSC Goldstone, Bar, GSC Goldstone, Bar, MVCO Mesa Verde, MVCO Mesa Verde, WMOK Wichita Mounta, WMOK Wichita Mounta, OSI Osito Audit: C, KNB Kanab, MHCTO State Highway, LDMTC Little Creek M, T25A Trinidad, T25A Trinidad, SHPR Sheep Range, PKCU Pink Cliffs, NATX Nacogdoches, S22A 4UR Ranch, Cre, S22A 4UR Ranch, Cre, SDCO Great Sand Dun, SDCO Great Sand Dun, MPMC Manual Prospec, SZCU Shurtz Canyon, PV05 Paradox Valley, CCUT Cedar City, PV01 Paradox Valley, FURC Furnace Creek, ISA Isabella, Lake, ISA Isabella, Lake, PKM Mcherson Peak, DAC Darwin (Calif), MTPU Mount Pierson, TPNV Topopah Spring, TPNV Topopah Spring, CCIG Comitán, PV09 Paradox Valley, 542A Morse, VES Vestal, Richgr, CWC Cottonwood Cre, SMCC Simmler, MSU Maryswale, TCRU Three Creeks R, Q16A Castle Valley, PAGB Antelope Grade, PSUT Pine Spring, SRU San Rafael Swe, Q24A Divide, Q24A Divide, SMC0 Snowmass, R11A Troy Canyon, C, R11A Troy Canyon, C, TMUT Trail Mountain, Z40A Long Farm, Mag, P17A Butcher Ranch, P18A Preston Nutter, 242A Grayson, PMPB Monarch Peak, KSC0 Kaye Shedlock, KSC0 Kaye Shedlock, 343A Vidalia, TUL1 Leonard, TUL1 Leonard, X39A Fountain Ranch, WLAR White Oak Lake, ISCO Idaho Springs, ISCO Idaho Springs, OMMB Old Mammoth Mi

2012 MAY

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Y40A Okolona, MDPB Devils Postpil, O20A White River Ci, O20A White River Ci, MIAR Mount Ida, MIAR Mount Ida, NLU North Lily Min, MPU Maple Canyon, NV11 Mina Array Sit, NV01 Mina Array Sit, NVAR Mina Array Bea, NVAR Cedar Bluff, APG El Apazote, APG El Apazote, W39A Magazine, W39A Magazine, DUG Dugway, Tooele, DUG Dugway, Tooele, X40A Basin Creek Fa, X40A Basin Creek Fa, RYN Ryan, JLU Jordanelle, 244A Avery, Jackson, CTU Camp Tracy, KVN Kaiserville, W40A Ferguson Farm, WAKR Walker, CMB Columbia Cole, V39A Pettigrew, N23A Red Feather La, N23A Red Feather La, UALR University of, HHAR Hobbs, TCUT Toone Canyon, YERR Yerington, BGU Big Grassy Mou, 245A Little A.P. Sta, W41B Gary Mavity, V, W41B Gary Mavity, V, 346A Big Creek Wild, U39A Green Forest, T38A Diamond, PHWY Pilot Hill, V40A Witts Springs, V40A Witts Springs, WHAR Winton Hollow, VCNR Virginia City, RWWY Rawlins, OGNE Ogallala, OGNE Ogallala, U40A Yellville, BMN Battle Mountai, V41U Mountainview, KSU1 Kansas State U, PAHR Pat Rah Range, X43A Marvell, T39A Clever, AFDM Forest Hills D, HVU Hansel Valley, S38A Stockton, Y44A Strider, Charl, V42A Viola, S39A Bolivar, BEKR Beckworth, R38A Fenwick Farm, T40A Mansfield, 348A Jackson, K22A Casper, ORV Oroville, BW06 Boulder Array, BW06 Boulder Array, PD31 Pineale Array, PDAR Pineale Array, PDAR Pineale Array, PDAR Pineale Array, AHID Auburn Hatcher, S40A Lebanon, T41A Mountain View, Y46A Houston, R39A Chumby, Stover, 248A Dixon Mills

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Q38A Cooks Store, C, BRAL Brewton, BGNE Belgrave, Z47A Carrollton, S41A Jillico Farms, T42A Van Buren, P37A Lathrop, REDW Red Top Meadow, O03D Paynes Creek, R40A Saddies Statio, SNOW Snow King Mount, TPAW Teton Pass, PBMO Poplar Bluff, Q39A Willow Grove F, TGHU Tegucigalpa, Un, LOHW Long Hollow, FXWY Fox Creek, P38A Dawn, KCPM Cahto Peak, MOOW Moose Ponds, T43A Greenville, CCM Cathedral Cave, CCM Cathedral Cave, S42A Caledonia, R41A Rosebud, WDC Whiskeytown Da, 149A Jones, LRAL Lakeview Retre, P39B Salisbury, HLID Hailey, HLID Hailey, WVOR Wild Horse Val, Q40A Laux Farm, Aux, PLAL Pickwick Lake, MOD Modoc Plateau, O38A Galt, MFID Camas Ranch, S43A Fulton Ridge, R42A Luebering, YPP Pitchstone Pla, RSSD Black Hills, RSSD Black Hills, H17A Grant Village, P40A Paris, YFT Old Faithful, Q41A Truett, V46A Holladay, 150A Eclectic, W47A Westpoint, X48A Hartselle, M04C Macdoel, YMR Madison River, M02C Callahan, Y49A Blount Mountai, YHB Horse Butte, YHH Holmes Hill, J08A Circle Bar Ran, S44A Carbonade, SLM Saint Louis, WWT Waverly, WWT Waverly, SIUC Southern Illin, 251A Midway, QLMT Earthquake Lak, Z50A Ashland, V47A Nunnelly, O40A La Belle, W48A Pulaski, MCMT McKenzie Canyo, RLMT Red Lodge, RLMT Red Lodge, K05A Summer Lake, P41A Barry, Barry, 553A Crawfordville, 151A Opelika, X49A Woodville, N39A Derby Farms, D, R44A Waltonville, M38A Pleasantville, Y50A Piedmont, K04D Chiloquin, OR, T46A Princeton, Q43A Newton Douglas, U47A Clarksville, P42A Winchester

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error, Azimuth Rate Error, Elevation Rate Error. Rows include 041A Passleys Farm, DLMT Dillon, SCIA State Center, BOZ Bozeman (W), BOZ Bozeman (W), N40A Mertquake, Sal, J05D Fort Rock, OR, L02D Cave Junction, Q44 Meyer Farm, Va, GCMT Greycliff, SWET Sewanee, I07A Ize, S46A Don Dixon Farm, ECSD EROS Data Cent, BMO Blue Mountains, 454A Quitman, 655A Horseshoe Beac, P43A Skaggs, Pawnee, U48A Cassie Pea, Po, J04D Umpqua Nationa, USIN University of, PINE Pine Mountain, KBO Bosley Butte, TIGA Tifton, OLIL Olney, Q45A Warren Harvey, J36A Seneca 1, Swea, T48A Bowling Green, L39A Vinton, Q43A Sugar Creek Fa, J37A Redenius Farm, HDIL Hopedale, HDIL Hopedale, LAO LASA Array, LAO LASA Array, G08A Pilot Rock, HRY Holter Researc, GOGA Godfrey, GOGA Godfrey, CPCT Cooper Cave, S48A Wiedeman Farm, P45A Graceand, Par, K39A Delwain, F10A Beach Ranch, E, R47A Wooly Knot Far, WCI Wyandotte Cave, L41A Preston, M50 Missoula, M50 Missoula, P46A Rosedale, I37A Lemond, Waseca, IJTS JuntasAbangera, 155A Kite, M43A Waltham Townsh, L42A Oliver, Polo, J39A Decorah, N44A Piper City, E09A Wood Farm, Sta, I38A Scanlan Farm, F33A 5 Mile Ranch, H38A Maiden Rock, D31A Mcclaffin, Tow, DGMT Dagmar, DGMT Dagmar, M46A Old House Fiel, E35A Pequot Lakes, H40A Chili, NEW Newport, KMSC Kings Mountain, G39A Holcombe, NHSC New Hope, F38A Pierce - Schro, F39A Loretta, AGMN Agassiz Nation, F40A Park Falls, E39A Mellen, F41A Three Lakes, E04W Wakefield, COWI Conover, G43A Wallace, E41A Kenton, MTJD Mount Denham, EYMN Ely, EYMN Ely, C39A Grand Marais

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error, Azimuth Rate Error, Elevation Rate Error. Rows include D41A Chassel, ULM Lac du Bonnet, ULM Lac du Bonnet, ULM Lac du Bonnet, E43A Lone Tree Farm, C40A Isle Royale Na, F46A Macinam City C, IP05 Hopedwell Churc, ALLY Alegheny Colle, M54A Oil Creek Stat, M54A Oil Creek Stat, EDM Edmonton, FFC Flin Flin, PTBC PUERTO BERRIO, OTAV Otavalo, OTAV Otavalo, SOTA Rioblanco, PCON Cinco Dias, RUSC La Rusia, RUSC La Rusia, FCC Fort Churchill, SDV Santo Domingo, SDV Santo Domingo, SDV Santo Domingo, YKA Yellowknife Ar, YKA Yellowknife Ar, PCRVR Puerto La Cruz, SCHO Schefferville, SCHO Schefferville, SCRK Sand Creek, RPN Rapa Nui, INK Inuvik, INK Inuvik, ILI Eielson Array, ILAR Eielson Array, ILAR Eielson Array, COLD Coldfoot, IM3 Indian Mountai, LPAZ La Paz, LPAZ La Paz, PPT Papete, SFJD Kangerlussuaq, BORG Borganes, SPITS Spitsbergen Ar, TIXI Tiksi, ARAO ARCESS Array S, ARCES ARCESS Array B, NB20 NORPAR Array S, NOA NORPAR Array B, HFS Haplogrs, FINES FINESS Array B, GERES GERESS Array B, VRAC Vranov, MJAR Matsushiro Arr, HNR Honiara, AKASO Malin Array Be, GUAM Guam, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, WRI Warramunga Arr, WRI Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, SKHL 01 18:33:51.8, JMA 01 18:33:51.0, ISC 01 18:33:48.9, S22Z/36-1C-1D, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error, Azimuth Rate Error, Elevation Rate Error. Rows include LAGR 240nm,0.2s, GRPR Tuman, GRPR Tuman, GRPR Tuman, GRPR Nemuro 2, NEM2 Nemuro 2, JRA Rausu, JNK Nakash, JNK Akkeshi, JAK Akkeshi, JAK Akkeshi, JTRK Abashiri-Toko, JAR Ashorobuto, JAR Ashorobuto, JOB Onbets, JOB Onbets, JMB Maruseppu, JCH Charuise, JCH Charuise, IGI Sibirato, MYR Moyori, MYR Moyori, JEM Erimo, JNK Urukawa-nobuka, YSS Yuzh-Sakhalins, G022 G022, JKB Kayabe, JKB Kayabe, JKB Nango, JANG Nango, JOSM Okushiri-Mats, GUC 01 18:42:25.4, SJA 01 18:42:25.0, ISC 01 18:42:20.2, CODE Station Name, LCO Las Campanas, AROD Rodeo, AROD Rodeo, G003 Copiap, G003 Copiap, G003 Copiap, AGUA GUANDACOL, AGUA Guandacol, AMOG MOGNA, AMOG MOGNA, AUSP Uspallata, VCA Vichina, VCA Vichina, RTVC Cerro Valdivia, FCH Farellones, FCH Farellones, ARCO CERRO ARCO, APLL PUNTA DE LOS L, MAN 01 18:45:23.0, OCLP Ormoc, OCLP Ormoc, PLP Palo, PLP Palo, CNP Catarman, CNP Catarman, MMMPH Masbate, MMMPH Masbate, BESP Borongan, LLP Lapu-Lapu, LLP Lapu-Lapu, RCP Roxas, RCP Roxas, MSLP Maasin, MSLP Maasin, PVPC Virac, PVPC Virac, GUIM Jordan, GUIM Jordan, TBM Tagbiliran, TBM Tagbiliran, JAP San Jose, Anti, JAP San Jose, Anti, SNPH Sibulan, SJA 01 18:48:05.8, AUSP Uspallata, RTLS Leoncito, RTLS Leoncito, ASAL Salagasta, ASAL Salagasta, RTVC Cerro Valdivia, RTVC Cerro Valdivia, ARCO CERRO ARCO, ARCO CERRO ARCO, AAGR Agrelo, AMOG MOGNA, AMOG MOGNA, AVIZ Vitzcacheras, ACAN Cantantal, AROD Rodeo, ADV Cuesta del Vie, AGUA GUANDACOL, APLL PUNTA DE LOS L, MAN 01 18:48:14.5, OCLP Ormoc, OCLP Ormoc, PLP Palo, PLP Palo, CNP Catarman, CNP Catarman, MMMPH Masbate, MSLP Maasin, RCP Roxas, RCP Roxas, GUIM Jordan, GUIM Jordan, SNPH Sibulan, SNPH Sibulan

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like RAO Raoul Island, MXZ Matakaoa Point, etc.

ISCJB 01 18:57:34.7±0.4, 67.80N±0.02±0.28E±0.08, h0km, Error ellipse: s-maj=4.3km s-min=3.3km az=3.3

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like KUA Kurraavaara, RATU Laukkutuspaa, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like HAMF Hammerfest, STOKS Stokkvaagen, etc.

IDD 01 19:01:57.0±0.3, 1.713S±0.03±1.29E±0.04, h150km, mb4.2/19, Error ellipse: s-maj=5.4km s-min=4.0km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like SAUI Saumlaki, BNDI Bandanaira, etc.

ISCJB 01 19:01:58.6±0.3, 7.19S±0.03±1.29E±0.04, h150km, mb4.2/19, Error ellipse: s-maj=5.4km s-min=4.0km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like AS01 Alice Springs, BATI Baumata, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like RAYN Ar Rayn, TORO Torodi Ar. Bea, etc.

MEX 01 19:04:36.4±0.3, 16.23N±0.97±98W, h8km±3km, MD3.8, Oaxaca

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like PNIG Pinotepa, TIN Tinemaha, etc.

GLA	Glamis	4.76	146	ePn	Pn	19 24 08.6	+1.2
MSU	Marysville	4.81	71	ePn	Pn	19 24 09.7	+0.9
MSU				ePg	Pg	19 24 25.6	-2.5
MSU				eSg	Sg	19 25 28.2	-2.1
BGU	Big Grassy Mou	5.44	43	ePg	Pg	19 24 40.0	+0.3
BGU				eSg	Sg	19 25 46.9	+3.9
WUAZ	Wupatki	5.54	104	ePg	Pg	19 24 35.8	+3.1

IDC 01 19:24:52.9;1.2,2.67N;92.66E, h0km, mb3.6/8,  
mb1 3.7/10, mb1mx3.5/65, mbtmp3.7/10, ML3.5/2, MS3.2/1,  
Ms1 3.2/1, ms1mx2.4/61, Error ellipse: s-maj=39.7km  
s-min=18.9km az=49.0

ISCJB 01 19:24:55.4;0.9,2.61N;0.2;92.5E;0.1, h33km, mb3.7/9,  
MS3.2/1, Error ellipse: s-maj=27.4km s-min=14.4km  
az=37.5

ISC 01 19:24:57.9;1.1, 2.7N;0.2;92.6E;0.1, h35km, n16,  
e1517/12, mb3.7/9, Off west coast of northern Sumatra

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
PALK	Pallekele	12.70	291	Op	19 27 54.7	-1.5
		0.7nm,0.3s,baz=116,slow=14,SNR=5.1		Pn		
PALK				Sn	19 30 06.2	-1.0
CMAR	Chiang Mai Arr	16.83	21	P	19 28 48.8	-2.2
		0.0nm,0.3s,baz=212,slow=14,SNR=3.9		Pn		
H0S2	Diego Garcia H	22.56	243	T	19 53 30.3	
		baz=61,slow=74,SNR=4.1		T		
H0S3	Diego Garcia H	22.56	243	T	19 53 23.9	
		baz=61,slow=74,SNR=5.5		T		
H0S1	Diego Garcia H	22.56	243	T	19 53 33.7	
		baz=61,slow=74,SNR=4.4		T		
AAK	Ala-Archa	42.92	340	LR	19 53 18.9	
		comp=2.77nm,18.2s,baz=96,slow=40		LR		
MKAR	Makanchi Array	44.82	350	P	19 33 08.8	+0.3
		0.1nm,0.5s,baz=169,slow=9.4,SNR=14		P		
SONM	Songino Array	46.50	13	P	19 33 22.7	+0.8
		0.3nm,0.4s,baz=186,slow=6.7,SNR=2.9		P		
WRA	Warrungarra Arr	46.73	121	P	19 33 23.2	-0.8
		0.8nm,0.9s,baz=300,slow=8.7,SNR=2.5		P		
GEYT	Alibek	47.18	322	P	19 33 28.0	+0.7
		0.8nm,0.6s,baz=134,slow=10,SNR=3.1		P		
ASAR	Alice Springs	47.98	125	P	19 33 33.7	0.0
		0.3nm,0.9s,baz=305,slow=8.7,SNR=3.0		P		
KURB	Kurchatov Arr	49.20	348	P	19 33 43.3	+0.7
		0.8nm,0.6s,baz=169,slow=7.1,SNR=12		P		
ZALV	Zalesovo Beam	51.47	354	P	19 34 00.9	+1.2
		1.9nm,0.4s,baz=175,slow=7.2,SNR=13		P		
BVAR	Borovoye Array	53.42	343	P	19 34 14.1	0.0
		0.3nm,0.5s,baz=150,slow=8.7,SNR=1.1		P		
BRTR	Keskin Array B	64.73	313	P	19 35 34.1	+1.1
		0.2nm,0.5s,baz=130,slow=8.5,SNR=3.4		P		
TXAR	Lajitas Array	144.52	25	PKP	19 44 31.2	-0.3
		0.2nm,0.5s,baz=17,slow=9,SNR=3.6		PKP		

MEX 01 19:27:58.4;0.5,14.20N;93.36E, h64km, 30km, MD3.9,  
Near coast of Chiapas

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
PCIG		1.50	5	Op	19 28 21.5	-1.7
PCIG				Pn	19 28 40.2	-1.8
CCIG	Comitan	2.38	30	iP	19 28 33.2	-2.2
				Pn	19 29 02.0	-1.5
CCIG				eS	19 28 36.7	-1.1
TGIG		2.57	5	eS	19 29 06.3	-1.7
TGIG				Pn		

ISCJB 01 19:34:11.4;0.5,50.30N;0.04;18.71E;0.03, h0km, Error  
ellipse: s-maj=5.4km s-min=2.3km az=16.0

CSEM 01 19:34:12.6;0.3,50.28N;18.74E, h2km, ML2.5/7, Error  
ellipse: s-maj=6.6km s-min=2.8km az=15.0

PRU 01 19:34:13.7;50.26N;18.74E, h0km

WAR 01 19:34:13.4;50.27N;18.83E, h1km, Mw2.5

ISC 01 19:34:12.7;0.8,50.24N;0.03;18.77E;0.02, h0km, n33,  
e0567/61, Poland

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
CHZP	Chorzow	0.15	71	ePg	19 34 15.8	+0.1
				eSg	19 34 17.3	+0.3
CHZP	Chorzow	0.15	71	ePg	19 34 15.8	+0.1
				eSg	19 34 17.3	+0.3
CHZP	Chorzow	0.15	71	ePg	19 34 15.8	+0.1
				eSg	19 34 17.3	+0.3
OKC	Raciborz	0.40	247	eSg	19 34 28.1	+1.3
OKC	Ostrava-Krasne	0.57	225	ePg	19 34 31.5	+0.5
				eSg	19 34 31.5	+0.5
OKC	Ostrava-Krasne	0.57	225	Pg	19 34 23.7	+0.1
				Sg	19 34 31.5	+0.5
OKC	43nm,1.0s			Pg	19 34 25.3	-0.2
				eSg	19 34 34.0	0.0
OJC	Ojcow	0.66	92	ePg	19 34 25.3	-0.2
				eSg	19 34 34.0	0.0
OJC	Ojcow	0.66	92	ePg	19 34 25.3	-0.2
				eSg	19 34 34.0	0.0
OJC	Ojcow	0.66	92	ePg	19 34 25.3	-0.2
				eSg	19 34 34.0	0.0
LANS	Liptovska Anna	1.18	157	ePg	19 34 36.3	+0.2
				eSg	19 34 52.8	+0.8
LANS	Liptovska Anna	1.18	157	ePg	19 34 36.2	+0.2
				eSg	19 34 52.8	+0.8
LANS	Liptovska Anna	1.18	157	ePg	19 34 36.2	+0.2
				eSg	19 34 52.8	+0.8
KRLC	Kralupy	1.29	263	ePg	19 34 37.1	+0.3
				eSg	19 34 53.6	+0.4
KRLC	Kralupy	1.29	263	Pg	19 34 37.1	+0.3
				Sg	19 34 53.6	+0.4
NIE	Niedzica	1.29	129	ePg	19 34 37.9	0.0
				eSg	19 34 55.9	+0.2
NIE	Niedzica	1.29	129	ePg	19 34 37.9	0.0
				eSg	19 34 55.9	+0.2
NIE	Niedzica	1.29	129	ePg	19 34 37.9	0.0
				eSg	19 34 55.9	+0.2
NIE	Niedzica	1.29	129	ePg	19 34 37.9	0.0
				eSg	19 34 55.9	+0.2
DPC	Dobruska-Polom	1.57	275	ePg	19 34 41.9	0.0
				eSg	19 35 02.8	+0.3
DPC	Dobruska-Polom	1.57	275	Pg	19 34 41.9	0.0
				Sb	19 35 02.8	+0.3
KSP	Ksiaz	1.69	292	ePg	19 34 45.3	+0.2
				eSg	19 35 07.1	+0.8
KSP	Ksiaz	1.69	292	ePg	19 34 45.3	+0.2
				eSg	19 35 07.1	+0.8
KSP	Ksiaz	1.69	292	ePg	19 34 45.3	+0.2
				eSg	19 35 07.1	+0.8
KSP	Ksiaz	1.69	292	ePg	19 34 45.3	+0.2
				eSg	19 35 07.1	+0.8
VYHS	Vyhne	1.75	178	ePn	19 34 44.4	0.0
				eSn	19 35 07.3	-0.1
VYHS	Vyhne	1.75	178	ePn	19 34 44.4	0.0
				eSn	19 35 07.3	-0.1
VYHS	Vyhne	1.75	178	ePn	19 35 07.3	-0.1
				eSn	19 35 07.3	-0.1
VYHS	Vyhne	1.75	178	ePn	19 35 07.3	-0.1
				eSn	19 35 07.3	-0.1
UPC	Upice	1.78	280	ePg	19 34 45.2	+0.4
				eSg	19 35 10.3	+0.3
UPC	Upice	1.78	280	ePg	19 34 45.2	+0.4
				eSg	19 35 10.3	+0.3
UPC	Upice	1.78	280	ePg	19 34 45.2	+0.4
				eSg	19 35 10.3	+0.3
STHS	Stebnicka Huta	1.81	116	ePn	19 34 46.6	-0.1
				eSn	19 35 09.2	+0.2
STHS	Stebnicka Huta	1.81	116	ePn	19 34 46.6	-0.1
				eSn	19 35 09.2	+0.2
STHS	Stebnicka Huta	1.81	116	ePn	19 34 46.6	-0.1
				eSn	19 35 09.2	+0.2
STHS	Stebnicka Huta	1.81	116	ePn	19 34 46.6	-0.1
				eSn	19 35 09.2	+0.2
PVCC	Panska Ves	2.70	278	eSg	19 35 39.1	-0.4
				eSg	19 35 39.1	-0.4
PVCC	Panska Ves	2.70	278	Sg	19 35 38.2	+1.8
				eSg	19 35 38.2	+1.8
PRU	Pruhonic	2.73	266	eSg	19 35 38.2	+1.8
				eSg	19 35 38.2	+1.8
PRU	Pruhonic	2.73	266	Sg	19 35 38.2	+1.8
				eSg	19 35 38.2	+1.8
BRG	Berggiesshubel	3.14	283	Pg	19 35 12.4	-0.5
				Sg	19 35 52.3	-1.2
BRG	Berggiesshubel	3.14	283	Pg	19 35 12.4	-0.5
				Sg	19 35 52.3	-1.2
KHC	Kasperske Hory	3.55	254	ePg	19 35 16.1	-0.3
				eSg	19 36 04.7	-1.9
KHC	Kasperske Hory	3.55	254	ePg	19 35 16.1	-0.3
				eSg	19 36 04.7	-1.9
CLL	Collim	3.81	288	ePg	19 35 24.0	-1.7
				eSg	19 36 17.0	+1.9

ISCJB 01 19:44:55.5;1.3,1.4N;0.2;91.6E;0.2, h10km, mb3.6/6,  
Error ellipse: s-maj=18.8km s-min=18.8km az=30.6

IDC 01 19:44:56.1;1.6,1.38N;91.66E, h0km, mb3.6/6, mb1 3.8/7,  
mb1mx3.4/67, mbtmp3.7/7, ML3.5/1, Error ellipse:  
s-maj=54.4km s-min=24.8km az=47.0

ISC 01 19:44:57.5;1.4,1.4N;0.3;91.6E;0.2, h10km, n11, e051/8,  
mb3.6/6, North Indian Ocean

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
PALK	Pallekele	12.38	299	Op	19 47 53.7	-0.3
		0.3nm,0.3s,baz=116,slow=17,SNR=2.5		Pn		
PALK				Sn	19 50 02.1	-1.0
H0S2	Diego Garcia H	21.08	245	T	20 11 31.7	
		baz=68,slow=75,SNR=18		T		
H0S3	Diego Garcia H	21.08	245	T	20 11 31.5	
		baz=65,slow=75,SNR=17		T		
H0S1	Diego Garcia H	21.09	245	T	20 11 31.8	
		baz=65,slow=75,SNR=18		T		
MKAR	Makanchi Array	45.99	351	P	19 53 20.8	-0.2
		0.2nm,0.4s,baz=173,slow=10,SNR=5.9		P		
WRA	Warrungarra Arr	46.91	119	P	19 53 28.3	-0.4
		1.0nm,0.7s,baz=296,slow=6.5,SNR=12		P		
SONM	Songino Array	46.04	13	P	19 53 37.3	+0.2
		0.7nm,0.5s,baz=192,slow=9.6,SNR=7.3		P		
KURB	Kurchatov Arr	50.33	349	P	19 53 53.9	-0.5
		0.3nm,0.7s,baz=165,slow=7.7,SNR=2.8		P		
ZALV	Zalesovo Beam	51.72	355	P	19 54 12.0	-0.3
		1.5nm,0.5s,baz=185,slow=8.6,SNR=2.8		P		
GERES	GERESS Array B	80.04	319	P	19 57 13.5	+0.5
		0.5nm,0.8s,baz=61,slow=4.8,SNR=3.4		P		
TXAR	Lajitas Array	146.16	24	PKP	20 04 38.7	+0.7
		0.2nm,0.6s,baz=299,slow=1.9,SNR=3.2		PKP		

ISCJB 01 19:59:18.2;0.5,5.33N;0.07;94.43E;0.07, h46km,  
mb4.1/21, MS3.2/1, Error ellipse: s-maj=13.6km,  
s-min=5.8km az=136.2

NEIC 01 19:59:22.8;1.2,5.30N;94.56E, h76km, 10km, mb4.4/11,  
Error ellipse: s-maj=15.4km s-min=5.6km az=67.0

IDC 01 19:59:29.0;9.6,5.54N;94.73E, h125km, 85km, mb3.5/10,  
mb1 3.6/11, mb1mx3.6/62, mbtmp3.9/11, ML4.2/1, MS3.1/1,  
Ms1 3.7/1, ms1mx2.4/65, Error ellipse: s-maj=62.8km  
s-min=14.2km az=51.0

ISC 01 19:59:20.3;0.7,5.45N;0.09;94.58E;0.08, h46km, n52,  
e1333/50, mb4.1/21, Northern Sumatra

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
LHMI	Lhok Sumawe	2.36	95	ePn	19 59 58.8	+2.2
		0.56	121	ePn	20 00 37.1	+3.3
PSI	Prapat	5.06	144	ePn	20 00 49.4	+3.3
GSI	Gungstiti	6.04	91	ePn	20 00 49.1	+1.9
KULM	Kulim	6.04	91	ePn	20 01 51.3	-3.8
KULM				eSn	20 00 54.3	+1.0
IPM	Ipo	6.49	98	ePn	20 02 05.5	-

1d 21h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KURS Kuram, KOTS Kotrybulak, MDOK Medeo, etc.

DJA 01 20:34:05.6-0.3, 3.3S-12.2E, h10km, M4.1/10, mb4.3/2, MLv4.0/10, Sulawesi

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

DDA 01 20:36:52.0, 38.66N-26.66E, h16km, M12.5, ISCJB 01 20:36:52.0-0.6, 38.66N-26.67E-0.05, h4km, gkm, Error ellipse: s-maj=7.2km s-min=3.5km az=166.4

ATH 01 20:36:52.5, 38.64N-26.58E, h32km, 1km, ML1.6/4, Error ellipse: s-maj=0.3km s-min=1.2km az=265.0 CSEM 01 20:36:52.5-0.2, 38.65N-26.65E, h10km, ML2.5, Error ellipse: s-maj=4.0km s-min=3.7km az=114.0

ISC 01 20:36:52.0-1.0, 38.64N-26.68E-0.02, h13km, gkm, n24, c057/48, Aegean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like URLA Izmir, ZEY Zmir, CHOS Chios Island, etc.

2021 MAY

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

NEIC 01 20:38:38.0-0.0, 19.60N-66.10W, h93km, MD3.7(RSPR), After RSPR, RSPR 01 20:38:38.1, 19.61N-66.10W, h93km, gkm, MD3.7/4, 3C-4D, Puerto Rico region

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

SJA 01 20:52:07.7-1.0, 30.84S-72.54W, h41km, 16km, ML4.5, MW4.2

GUC 01 20:52:13.8-0.6, 30.84S-71.68W, h33km, 5km, ML4.2, NEIC 01 20:52:13.6-2.0, 30.81S-71.94W, h22km, 14km, mb4.8/7, ML4.2(GUC), Error ellipse: s-maj=14.2km s-min=6.1km az=91.0

NEIC Felt [I] at Canela, Coquimbo, La Serena, Ovalle and Rio Hurtado, IDC 01 20:52:15.5-0.6, 30.88S-71.71W, h30km, 3km, mb4.0/8, mb1.4/0.11, mb1mx3.8/4.1, mbtmp4.1/1.1, ML3.8/3, MS3.2/2, Ms1.3/1.2, ms1mx2.8/3.2, Error ellipse: s-maj=26.0km s-min=15.6km az=96.0

ISC 01 20:52:14.3-0.5, 30.86S-71.75W-0.05, h29km, 3km, h29km, pp-P, n88, a209/111, mb4.5/13, 2C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like G004 Tololo Observa, TLL Tololo Astrono, LCO Las Campanas, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ACVD Cuesta del Vie, AUSP Usपालता, PEL Peldehue, etc.

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

ISCJB 01 21:12:05.9-1.1, 12.71S-166.49E, h0km, mb4.0/10, mb1.4/1.1, mb1mx3.9/5.2, mbtmp4.1/1.1, ML4.9/1, MS2.8/2, Ms1.2/8.2, ms1mx2.5/4.3, Error ellipse: s-maj=30.6km s-min=24.9km az=87.0

ISCJB 01 21:12:09.8-0.8, 12.75S-0.1, 166.3E-0.1, h35km, mb4.0/10, MS2.5/1, Error ellipse: s-maj=20.9km s-min=11.5km az=33.0

ISC 01 21:12:11.5-1.0, 12.75S-0.2-166.4E-0.1, h35km, n12, c098/12, mb4.0/10, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like H112 WAKE ISLAND Hy26.00 271, H111 WAKE ISLAND Hy26.35 273, etc.

ISCJB 01 21:32:08.3-0.5, 27.99N-106.127, 60E-0.09, h168km, 6km, mb3.4/6, Error ellipse: s-maj=14.8km s-min=6.6km az=37.2

IDC 01 21:32:09.2-0.9, 28.04N-127.70E, h161km, gkm, mb3.3/6, mb1.3/4.8, mb1mx3.0/7.0, mbtmp3.7/8, Error ellipse: s-maj=36.1km s-min=13.7km az=84.0

JMA 01 21:32:09.0-0.2, 28.07N-127.51E, h143km, 5km, M3.8, ISC 01 21:32:09.0-0.2, 28.04N-127.53E-0.09, h159km, gkm, n20, c088/31, mb3.5/6, Northwest of Ryukyu Islands

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

Table with columns: JOKE, Okinoerabujima, 1.15 126 P Pn, 21 32 36.3 +0.4 S Sn, etc.

Table with columns: BR101 Keskin Array S, 33.73 290 eP P, 21 43 10.4 +0.7 P P, etc.

Table with columns: CHOS comp=E,490um,0.2s AML AML, 21 45 51.9 P Pg, etc.

ISCJB 01 21:36:26.5-0.3, 35.145N, 0.04:76.34E, 0.06, h10km, mb3.7/17, MS3.2/6, Error ellipse: s-maj=7.7km

IDC 01 21:36:26.0, 7.35:34N, 76.32E, h0km, mb3.8/15, mb1.4/0.20, mb1mx3.8/6.9, mbtmp3.9/20, ML3.4/5, MS3.1/9, Ms1.3/1.9, ms1mx2.7/6.9, error ellipse: s-maj=21.3km

NEIC 01 21:36:36.9, 1.3, 35.63N, 76.50E, h80km, 11km, mb4.0/3, Error ellipse: s-maj=11.9km s-min=9.7km az=191.0

NNC 01 21:36:46.5, 2.5, 37.37N, 71.28E, h149km, 44km, mb3.0, mpv3.9, Error ellipse: s-maj=27.1km s-min=19.6km

ISC 01 21:36:28.1-0.6, 35.474N, 0.06:76.16E, 0.06, h10km, n74, c182/63, mb3.8/17, MS3.2/5, 2C-4D, Eastern Kashmir

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, SFC Sufi-Kurgan, 5.00 336 Op Pn, 21 37 35.4 -7.9 Pn, etc.

MEX 01 21:43:01.0-0.5, 16.060N, 98.43W, h4km, 5km, MD3.6, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, PNIG Pinotepa, 0.44 41 Op ISC, 21 43 08.9 -0.6 Pn, etc.

ISK 01 21:45:08.2, 39.62N, 26.05E, h5km, ML2.7/24 DDA 01 21:45:09.2, 39.61N, 26.09E, h7km, ML2.9

CSEM 01 21:45:09.5, 0.1, 39.60N, 26.03E, h8km, ML2.7, Error ellipse: s-maj=2.6km s-min=2.4km az=93.0

ISCJB 01 21:45:09.0, 0.4, 39.61N, 0.02:26.03E, 0.03, h6km, 3km, Error ellipse: s-maj=3.3km s-min=2.7km az=174.2

THE 01 21:45:09.8, 39.61N, 26.05E, h1km, ML2.2/8, Error ellipse: s-maj=1.0km s-min=0.3km az=101.0

ATH 01 21:45:09.1, 39.60N, 26.06E, h2km, ML2.2/8, Error ellipse: s-maj=2.9km s-min=0.8km az=240.0

ISC 01 21:45:09.6-0.9, 39.60N, 0.01:26.05E, 0.02, h11km, 7km, n122, c0778/155, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, BOZC Bozcaada, 0.24 1 i P, 21 45 14.5 -0.1 Pn, etc.

RDO comp=E,34um,0.3s AML AML, 21 46 03.0 Pn

Table with columns: RDO Rodhopi, 1.59 346 P Pn, 21 45 37.9 +0.3 Pn, etc.

IDC 01 21:49:25.0, 1.9, 25.55N, 98.54E, h0km, mb3.3/2, mb1.3/6/3, mb1mx3.1/8.1, mbtmp3.5/3, ML4.1/1, Error ellipse: s-maj=67.7km s-min=25.1km az=85.0

Myanmar-China border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, CMAR Chiang Mai Arr, 7.07 177 Op Pn, 21 51 09.6 -0.1 Pn, etc.

NIED 01 22:07:00, 38.60N, 141.90E, h53km, Mw3.7 Best double couple: M3.79000, 1014 NP1.9, 179.00000, 821.00000, 1.74.00000. NP2.9, 16.00000, 870.00000, 1.96.00000. ISCJB 01 22:07:48.1, 0.9, 38.64N, 0.04:141.97E, 0.10, h56km, 5km, mb3.8/12, MS3.9/1, Error ellipse: s-maj=13.4km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, OFUJ Ofunato, 0.52 329 Op Pn, 22 08 04.0 +0.4 Pn, etc.



2012 MAY

Table with columns: ID, Uru, Time, P, S, Pn, and various station names like JIO, JMC, JMK, etc.

Table with columns: ID, Uru, Time, P, S, Pn, and various station names like TOZ, MTHZ, NKMZ, etc.

Table with columns: ID, Uru, Time, P, S, Pn, and various station names like SBA, Vanda, Vnda, etc.

Station information and coordinates for IDC 01 22:13:17.8... and ISC/B 01 22:13:17.5...

Station information and coordinates for WZKZ, WKZ, MLZ, etc.

Station information and coordinates for VNA3, VNA2, VNA1, etc.

Table with columns: Code, Station Name, Az, Phase, Time, Res, and various station names like GLKZ, RAO, etc.

Table with columns: Code, Station Name, Az, Phase, Time, Res, and various station names like PPT2, PPT1, etc.

Table with columns: Code, Station Name, Az, Phase, Time, Res, and various station names like MURC, MONP2, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like CMB Columbia Colle, JCC Jacoby Creek, HSG Hektor Ludlow, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like SKNT Sakolnack, J08A Circle Bar, MTPU Mount Pleasant, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like MAK2 Makanchi, TARG Taragay, KSH Kashi, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like OR3 Or3, OR4 Or4, OR5 Or5, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like Malin Array Si, Kieff, Malin Array Si, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like TGIG, TGIG, APG, APG, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like IDC 01 22:43:07.2, NDI 01 22:43:11.8, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like IDC 01 22:21:27.5, NEIC 01 22:21:29.1, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like CSEM 01 22:31:45.7, DDA 01 22:31:46.0, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like UCR 01 22:43:29.1, NEIC 01 22:43:30.1, etc.



X39A	Fountain Ranch	19.99 357	P	P	22 48 06.1 +0.8
MIAR	Mount Ida	20.01 359	P	P	22 48 06.1 +0.6
MIAR	Mount Ida	20.01 359	eP	P	22 48 06.1 +0.6
MIAR	Mount Ida		eS	S	22 51 41.7 -7.4
MIAR	Mount Ida		LR	LR	
MIAR	Mount Ida	20.01 359	eP	P	22 48 06.1 +0.6
MIAR	Mount Ida		eS	S	22 51 41.7 -7.4
MIAR	Mount Ida		Pmax	Pmax	
MIAR	Mount Ida		MLR	MLR	
X42A	Stuttgart	20.05 3	P	P	22 48 06.3 +0.3
X43A	Marvell	20.07 5	P	Pn	22 48 07.4 -0.7
Y48A	Jasper	20.09 14	P	P	22 48 07.0 +0.6
X44A	Crenshaw	20.13 7	P	P	22 48 07.0 +0.2
X45A	UM Field Stati	20.16 9	P	P	22 48 07.3 +0.2
OTAV	Otavalo	20.20 133	eP	P	22 48 09.5 +1.4
OTAV	Otavalo		LR	LR	
OTAV	Otavalo	20.20 133	P	Pn	22 48 10.4 +0.2
OTAV	Otavalo		Pmax	Pmax	
256A	Glennville	20.21 28	P	Pn	22 48 09.0 -0.7
154A	Montrose	20.22 25	P	P	22 48 08.6 +0.8
Y49A	Blount Mountai	20.23 16	P	P	22 48 08.5 +0.5
OXF	Oxford	20.24 9	P	P	22 48 07.6 -0.3
OXF	Oxford	20.24 9	eP	P	22 48 07.4 -0.6
OXF	Oxford		eS	S	22 51 55.8 -1.4
OXF	Oxford		LR	LR	
OXF	Oxford	20.24 9	eP	P	22 48 07.4 -0.6
OXF	Oxford		eS	S	22 51 55.8 -1.4
OXF	Oxford		Pmax	Pmax	
OXF	Oxford		MLR	MLR	
UALR	University of	20.24 2	eP	P	22 48 09.0 +1.0
UALR	University of		LR	LR	
CLNB	Carlsbad	20.30 333	eP	Pn	22 48 12.1 +1.1
SOTA	Rioblanco	20.33 126	eP	P	22 48 11.0 +1.4
PCON	Cinco Dias	20.38 125	eP	P	22 48 13.0 +0.6
X46A	Booneville	20.42 11	P	P	22 48 09.9 -0.1
Y50A	Piedmont	20.45 18	P	P	22 48 11.4 +1.0
GDL2	Guadalupe Moun	20.47 332	eP	Pn	22 48 14.2 +1.3
155A	Kite	20.50 26	P	P	22 48 11.9 +1.2
X47A	Russellville	20.52 12	P	P	22 48 11.1 0.0
MNTX	Cornudas Mount	20.55 329	P	Pn	22 48 13.1 -0.6
MNTX	Cornudas Mount	20.55 329	eP	P	22 48 13.5 -0.2
MNTX	Cornudas Mount		LR	LR	
257A	Skidaway Islan	20.61 30	P	P	22 48 13.2 +1.2
X48A	Hartselle	20.64 14	P	P	22 48 12.1 -0.2
W41B	Gary Weavly, V	20.64 2	P	P	22 48 12.9 +0.6
W40A	Ferguson Farm,	20.65 360	P	P	22 48 13.6 +1.1
W40A	Ferguson Farm,	20.65 360	eP	Pn	22 48 15.1 +0.3
W40A	Ferguson Farm,		LR	LR	
W43A	Forest City	20.65 5	P	P	22 48 12.8 +0.4
W39A	Magazine	20.66 358	P	P	22 48 13.5 +0.9
WHAR	Woolly Hollow	20.76 2	eP	P	22 48 13.3 -0.3
WHAR	Woolly Hollow		LR	LR	
ROSC	El Rosal	20.76 116	P	Pn	22 48 17.8 +1.0
ROSC	El Rosal		S	S	22 52 15.3 +4.6
ROSC	El Rosal		Pn	Pn	22 48 17.8 +1.0
ROSC	El Rosal		S	S	22 52 15.3 +4.6
ROSC	El Rosal		LR	LR	22 48 30.0 +1.4
MET	Memphis-Engin	20.77 7	PFAKE	PFAKE	
W42A	Bald Knob	20.77 4	P	P	22 48 14.0 +0.2
GOGA	Godfrey	20.78 23	P	P	22 48 14.6 +0.7
GOGA	Godfrey	20.78 23	eP	P	22 48 15.3 +1.4
GOGA	Godfrey		LR	LR	
GOGA	Godfrey	20.78 23	eP	P	22 48 15.3 +1.4
GOGA	Godfrey		Pmax	Pmax	
GOGA	Godfrey		MLR	MLR	
W44A	Shelby Farms P	20.80 7	P	P	22 48 13.0 -1.1
PRAC	Prado	20.84 119	eP	P	22 48 16.4 +1.6
WMOK	Wichita Mounta	20.85 347	eP	P	22 48 15.1 +0.4
WMOK	Wichita Mounta		Pn	Pn	22 48 16.0 -1.2
WMOK	Wichita Mounta		LR	LR	
WMOK	Wichita Mounta	20.85 347	eP	Pn	22 48 16.0 -1.2
WMOK	Wichita Mounta		Pmax	Pmax	
WMOK	Wichita Mounta		MLR	MLR	
X49A	Woodville	20.87 16	P	P	22 48 15.2 +0.3
W45A	Hickory Valley	20.91 9	P	P	22 48 14.1 -1.1
PLAL	Pickwick Lake	20.93 11	eP	P	22 48 16.0 +0.6
W46A	Michie	21.02 11	P	P	22 48 15.0 -1.4
HBAR	Harrisburg	21.12 5	eP	P	22 48 16.4 -1.1
EPT	El Paso	21.19 327	eP	P	22 48 20.1 +1.6
EPT	El Paso		LR	LR	
V41A	Mountainview	21.26 2	P	P	22 48 18.8 -0.2
V40A	Witts Springs	21.26 0	P	P	22 48 18.8 -0.2
W47A	Westpoint	21.28 12	P	P	22 48 18.2 -1.1
V39A	Pettigrew	21.30 359	P	P	22 48 19.3 -0.3
SDDR	Presa de Saban	21.31 75	eP	P	22 48 20.2 +0.4
SDDR	Presa de Saban		LR	LR	
V42A	Cord	21.31 4	P	P	22 48 19.1 -0.5
W48A	Pulaski	21.32 14	P	P	22 48 18.9 -0.8
MSTX	Muleshoe	21.34 337	P	P	22 48 21.6 +1.6
MSTX	Muleshoe	21.34 337	eP	P	22 48 21.3 +1.3
MSTX	Muleshoe		LR	LR	
V43A	Jonesboro	21.36 6	P	P	22 48 19.5 -0.6

RUSC	La Rusia	21.39 111	eP	P	22 48 22.9 +1.8
RUSC	La Rusia		LR	LR	
V44A	Blaylie	21.47 7	P	P	22 48 20.4 -0.9
TUL1	Leonard	21.51 354	P	P	22 48 21.4 -0.3
TUL1	Leonard	21.51 354	eP	P	22 48 22.8 +1.1
V45A	Humboldt	21.51 9	P	P	22 48 20.4 -1.3
GNAR	Gosnell	21.59 7	eP	P	22 48 22.6 0.0
HALT	Halls	21.62 8	eP	P	22 48 23.6 +0.7
SWET	Sewanee	21.64 16	eP	P	22 48 24.1 +0.9
V46A	Holladay	21.71 11	P	P	22 48 22.3 -1.5
HHAR	Hobbs	21.75 358	eP	P	22 48 24.5 +0.2
AMTX	Amarillo	21.78 341	P	P	22 48 26.2 +1.4
AMTX	Amarillo	21.78 341	eP	P	22 48 26.3 +1.6
AMTX	Amarillo		LR	LR	
U40A	Fellie	21.81 0	P	P	22 48 24.7 -0.2
U41A	Viola	21.82 2	P	P	22 48 24.5 -0.6
U39A	Green Forest	21.84 359	P	P	22 48 25.0 -0.3
V47A	Nunnely	21.85 12	P	P	22 48 24.3 -1.1
U42A	Reverend	21.87 4	P	P	22 48 24.8 -0.7
CSU	Charleston Sou	21.90 30	eP	P	22 48 27.1 +1.2
V48A	Smith Brothers	21.92 14	P	P	22 48 25.1 -1.0
NHSC	New Hope	21.95 30	P	P	22 48 27.3 +0.9
NHSC	New Hope	21.95 30	eP	P	22 48 28.0 +1.6
NHSC	New Hope		LR	LR	
NHSC	New Hope		LR	LR	
U43A	Rector	21.95 6	P	P	22 48 25.6 -0.8
GRTK	Grand Turk	21.98 68	eP	P	22 48 27.9 +1.1
GRTK	Grand Turk		LR	LR	
HODGE	Hodges	21.98 24	eP	P	22 48 27.2 +0.5
GLAT	Glass	21.98 8	eP	P	22 48 27.8 +1.0
SRIG	Santa Rosalia	22.00 309	eP	P	22 48 28.7 +1.7
SRIG	Santa Rosalia		P	P	22 48 29.5 +2.5
SRIG	Santa Rosalia		P	P	22 48 29.4 +2.1
U44B	Burton Farm, H	22.04 8	eP	P	22 48 26.3 -1.1
PVMO	Portageville	22.07 7	eP	P	22 48 28.9 +1.2
WWT	Waverly	22.09 11	P	P	22 48 26.2 -1.6
WWT	Waverly	22.09 11	eP	P	22 48 28.5 +0.7
WWT	Waverly		Pmax	Pmax	22 48 28.5 +0.7
UTMT	University of	22.12 9	eP	P	22 48 29.1 +0.9
U45A	Rockin P Farm,	22.14 9	P	P	22 48 26.8 -1.6
U44A	Portageville	22.16 7	P	P	22 48 27.7 -1.0
U46A	Springville	22.24 10	P	P	22 48 28.3 -1.2
CPCT	Cooper Cave	22.27 19	eP	P	22 48 30.7 +0.8
PARMO	Parma	22.31 7	eP	P	22 48 29.7 -0.6
PBMO	Poplar Bluff	22.36 6	eP	P	22 48 31.1 -0.3
BG3	Lake Jocassee	22.39 22	eP	P	22 48 30.9 -0.3
JSC	Jenkinsville	22.43 26	eP	P	22 48 31.8 +0.2
JSC	Jenkinsville		Pmax	Pmax	
121A	Cookes Peak, D	22.46 326	P	P	22 48 35.3 +3.2
121A	Cookes Peak, D	22.46 326	eP	P	22 48 35.2 +3.0
121A	Cookes Peak, D		LR	LR	22 48 35.2 +3.0
319A	Douglas	22.48 321	eP	P	22 48 35.1 +2.8
319A	Douglas		LR	LR	
T39A	Cleaver	22.48 359	P	P	22 48 31.3 -0.8
U47A	Clarksville	22.49 12	P	P	22 48 30.7 -1.5
T38A	Diamond	22.52 357	P	P	22 48 32.1 -0.4
T41A	Mountain View	22.53 3	P	P	22 48 32.0 -0.6
SDD	Santo Domingo	22.53 77	PFAKE	PFAKE	22 48 40.0 +7.2
SDD	Santo Domingo		LR	LR	
T42A	Van Buren	22.55 4	P	P	22 48 32.1 -0.8
T40A	Mansfield	22.61 1	P	P	22 48 32.8 -0.7
SDV	Santo Domingo	22.62 102	P	P	22 48 32.9 -1.2
SDV	Santo Domingo		LR	LR	22 59 19.3
SDV	Santo Domingo		P	P	22 48 33.7 -0.3
T43A	Greenville	22.67 6	P	P	22 48 32.6 -1.5
TKL	Tuckaleechee C	22.70 20	P	P	22 48 34.5 0.0
TKL	Tuckaleechee C		S	S	22 52 48.6 +7.5
TKL	Tuckaleechee C		LR	LR	22 59 14.7
TKL	Tuckaleechee C		LR	LR	22 48 35.1 +0.7
TKL	Tuckaleechee C		S	S	22 52 48.6 +7.5
TKL	Tuckaleechee C		P	P	22 48 33.6 -1.1
T44A	Benton	22.75 7	P	P	22 48 33.4 -1.6
T45A	Macbeth	22.81 9	P	P	22 48 34.2 -1.4
T46A	Princeton	22.96 11	P	P	22 48 35.7 -1.4
S40A	Lebanon	23.06 1	P	P	22 48 37.4 -0.8
S41A	Jillico Farms,	23.07 3	P	P	22 48 37.5 -0.7
S38A	Stockton	23.10 358	P	P	22 48 38.0 -0.6
S36A	Kings Mountain	23.14 25	P	P	22 48 39.4 +0.3
KMSC	Kings Mountain	23.14 25	eP	P	22 48 39.2 +0.2
KMSC	Kings Mountain		eP	eP	22 52 27.1 0.0
KMSC	Kings Mountain		P	P	
BNN	Barren Site	23.14 330	eP	P	22 48 41.8 +2.5
S39A	Bolivar	23.14 359	P	P	22 48 38.5 -0.5
S43A	Fulton Ridge,	23.18 6	P	P	22 48 37.6 -1.7
Y22D	IRIS PASSCAL I	23.22 330	P	P	22 48 43.0 +2.9
Y22D	IRIS PASSCAL I		eP	eP	22 48 43.2 +3.2
Y22E	IRIS PASSCAL I	23.22 330	P	P	22 48 43.0 +2.9
LPM	Los Pinos Moun	23.28 331	eP	P	22 48 43.3 +2.7
S42A	Caledonia	23.31 5	P	P	22 48 39.0 -1.7
T48A	Bowling Green	23.33 14	P	P	22 48 39.2 -1.6
S44A	Carbondale	23.39 8	P	P	22 48 40.1 -1.4

SIUC	Southern Illin	23.41 8	eP	P	22 48 41.9 +0.2
S45A	Carrier Mills	23.47 9	P	P	22 48 40.8 -1.4
CCM	Cathedral Cave	23.56 4	P	P	22 48 41.9 -1.3
CCM	Cathedral Cave	23.56 4	eP	P	22 48 41.7 -1.4
CCM	Cathedral Cave	23.56 4	eP	P	22 48 41.7 -1.4
CCM	Cathedral Cave		Pmax	Pmax	
TZTN	Tazewell	23.58 19	P	P	22 48 42.7 -0.7
TZTN	Tazewell	23.58 19	eP	P	22 48 43.0 -0.4
LAZ	Ladron	23.59 330	eP	P	22 48 46.5 +2.7
S46A	Don Dixon Farm	23.62 11	P	P	22 48 42.0 -1.6
R38A	Fenwick Farm,	23.65 358	P	P	22 48 43.2 -0.8
ANMO	Albuquerque	23.72 332	P	P	22 48 47.1 +2.2
ANMO	Albuquerque		eP	eP	22 48 47.1 +2.2
ANMO	Albuquerque		P	P	22 48 46.9 +2.0
ANMO	Albuquerque		LR	LR	
ANMO	Albuquerque	23.72 332	eP	P	22 48 46.9 +2.0
ANMO	Albuquerque		Pmax	Pmax	
ANMO	Albuquerque		MLR	MLR	
R40A	Maddies Statio	23.75 2	P	P	22 48 43.8 -1.2
R39A	Chumby, Stover	23.77 0	P	P	22 48 44.2 -0.8
R41A	Rosebush	23.80 3	P	P	22 48 44.0 -1.4
R42A	Lueberling	23.82 4	P	P	22 48 44.2 -1.4
R43A	Red Bud	23.89 6	P	P	22 48 44.9 -1.3
USIN	University of	23.90 11	eP	P	22 48 46.0 -0.4
S48A	Wiedeman Farm,	23.93 14	P	P	22 48 45.1 -1.6
R44A	Waltonville	23.96 8	P	P	22 48 45.6 -1.3
TUC	Tucson	24.04 321	P	P	22 48 50.

BLA	comp=Z,167nm,1.1s	LR	LR						
BLA	comp=Z,47um,18.0s								
BLA	Blackburg	25.30	24	eP	pmax			22 48 59.9	+0.7
BLA	comp=Z,167nm,1.1s			MLR	MLR				
P45A	comp=Z,47um,18.0s	25.41	10	P	P			22 48 58.7	-1.4
W18A	Graceland, Par	25.48	327	P	P			22 49 03.7	+2.6
W18A	Petrified Fore	25.48	327	eP	P			22 49 03.7	+2.6
AOPR	Petrified Fore	25.50	78	PFAKE	LR			22 49 10.0	+8.8
AOPR	Arecibo Observ	25.51	25	eP	P			22 49 01.8	+0.7
WVCO	Virginia Weste	25.57	359	P	P			22 49 00.7	-0.8
O38A	Galt	25.59	10	P	P			22 49 00.4	-1.3
P46A	Rosedale	25.59	2	P	P			22 49 00.7	-1.0
O40A	La Belle	25.62	78	PFAKE	LR			22 49 10.0	+7.7
OBIP	Obispado Ponca	25.63	358	P	P			22 49 01.5	-0.6
OBIP	Wolven Farm M	25.63	4	P	P			22 49 00.6	-1.5
O37A	Passleys Farm,	25.64	12	P	P			22 49 00.9	-1.3
O41A	Martinsville	25.70	337	P	P			22 49 05.7	+2.6
P47C	Great Sand Dun	25.70	337	eP	P			22 49 05.6	+2.5
SDCO	Great Sand Dun								
SDCO	comp=Z,306nm,1.3s			LR	LR				
O39A	comp=Z,7um,20.0s	25.71	1	P	P			22 49 02.0	-0.8
O42A	Kirkville	25.77	5	P	P			22 49 01.7	-1.7
KSCO	Bath	25.88	343	P	P			22 49 06.5	+1.9
KSCO	Kaye Shedlock	25.88	343	eP	P			22 49 06.2	+1.6
KSCO	Kaye Shedlock			LR	LR				
ATAH	comp=Z,2um,19.0s	25.91	145	P	P			22 49 05.7	+0.4
X16A	Alathuipa	25.91	323	eP	P			22 49 06.9	+1.9
X16A	Lo Mia Camp, P			eP	P			22 52 34.0	+0.5
O44A	Mansfield	25.91	8	P	P			22 49 03.1	-1.6
O43A	Sugar Creek Fa	25.94	7	P	P			22 49 04.4	-0.6
SJG	San Juan	26.06	78	P	P			22 49 02.5	-3.7
SJG	comp=Z,5.9nm,0.3s			LR	LR			22 59 26.1	
SJG	comp=Z,20um,21.9s			PKIKP	PKIKP			23 00 18.8	+5.3
O45A	Potomac	26.12	9	P	P			22 49 04.9	-1.6
HDIL	Hopedale	26.21	6	P	P			22 49 05.5	-1.9
HDIL	Hopedale	26.21	6	eP	P			22 49 07.4	+0.1
N41A	Harden Midland	26.23	4	P	P			22 49 06.5	-1.0
N37A	Lee Faris, Mou	26.23	358	P	P			22 49 06.9	-0.6
S22A	4UR Ranch, Cre	26.23	335	P	P			22 49 10.8	+2.8
S22A	4UR Ranch, Cre	26.23	335	eP	P			22 49 10.5	+2.5
113A	Mohawk Valley,	26.23	318	eP	P			22 49 09.8	+2.1
113A	comp=Z,9um,18.0s			LR	LR				
N38A	comp=Z,28um,18.0s	26.24	360	P	P			22 49 06.8	-0.8
N36A	Muff Farm, Cla	26.32	357	P	P			22 49 06.9	-1.4
N39A	Derby Farms, D	26.33	1	P	P			22 49 07.4	-1.0
HUMP	Col San Antoni	26.34	78	eP	P			22 49 08.0	-0.8
HUMP	comp=Z,118nm,1.8s			eP	P			22 52 36.4	+1.9
SFIN	Lafayette	26.35	10	P	P			22 49 06.9	-1.7
SFIN	Lafayette	26.35	10	eP	P			22 49 08.2	-0.4
CBYP	Canovanas	26.35	78	eP	P			22 49 07.9	-1.0
N40A	Mertquake, Sal	26.36	2	P	P			22 49 07.7	-1.0
O47A	Sheridan	26.38	12	P	P			22 49 06.0	-2.9
N42A	Yates City	26.41	5	P	P			22 49 07.8	-1.3
Y14A	Wickenburg	26.51	321	eP	P			22 49 12.5	+2.2
Y14A	comp=Z,28um,20.0s	26.52	332	P	P			22 49 13.1	+2.7
MVCO	Mesa Verde	26.52	332	eP	P			22 49 13.0	+2.5
MVCO	comp=Z,627nm,1.8s			LR	LR				
N44A	Piper City	26.59	8	P	P			22 49 08.6	-2.1
N43A	Stutzman Famil	26.60	7	P	P			22 49 09.9	-1.3
MTP	Monte Pirata	26.62	78	PFAKE	LR			22 49 20.0	+8.7
Q24A	Divide	26.65	339	P	P			22 49 14.1	+2.4
Q24A	Divide	26.65	339	eP	P			22 49 13.9	+2.2
WUAZ	Wupatki	26.66	325	P	P			22 49 14.4	+2.7
WUAZ	Wupatki	26.66	325	eP	P			22 49 14.5	+2.7
N45A	Kentland	26.73	9	P	P			22 49 10.7	-1.4
JSRW	J. Sargent	26.78	27	eP	P			22 49 12.4	-0.1
URVA	University of	26.83	28	eP	P			22 49 12.8	-0.2
M37A	Trindle Farm,	26.86	358	P	P			22 49 12.6	-0.6
M38A	Pleasantville	26.86	360	P	P			22 49 12.5	-0.8
M40A	Post Highland	26.89	3	P	P			22 49 11.9	-1.5
IP07	Quail	26.90	27	eP	P			22 49 13.8	+0.2
M41A	Milan	26.91	4	P	P			22 49 12.0	-1.7
N46A	Monticello	26.91	11	P	P			22 49 11.4	-2.2
IP06	Yanceyville	26.93	27	eP	P			22 49 13.7	-0.2
IP06	comp=Z,43nm,1.1s			LR	LR				
M39A	Webster	26.94	1	P	P			22 49 11.8	-2.1
IP06	Felix, Anita	26.95	357	P	P			22 49 13.2	-0.8
M36A	Hopewell Churc	26.95	27	eP	P			22 49 14.1	+0.1
IP05	comp=Z,54um,18.0s			LR	LR				

IP01	Cuckoo	26.98	27	eP	P			22 49 14.6	+0.3
IP01	comp=Z,86nm,1.2s			LR	LR				
IP03	Louis	26.99	27	eP	P			22 49 13.0	-1.5
IP03	comp=Z,54um,18.0s			LR	LR				
IP04	Greensprings	27.02	27	eP	P			22 49 14.6	-0.1
IP04	comp=Z,172nm,1.7s			LR	LR				
SPRD	Spring Road, M	27.05	27	eP	P			22 49 14.4	-0.6
SPRD	Sheffield	27.05	5	eP	P			22 52 37.0	+1.2
M42A	Glamis	27.11	317	P	P			22 49 17.8	+2.1
GLA	Glamis	27.11	317	eP	P			22 49 18.0	+2.4
GLA	comp=Z,14um,19.0s			LR	LR				
GLA	Glamis	27.11	317	eP	P			22 49 18.0	+2.4
GLA	comp=Z,367nm,1.8s			MLR	MLR				
M43A	Waltham Townsh	27.12	7	P	P			22 49 14.3	-1.2
CVRD	Centerville Ro	27.12	27	eP	P			22 49 15.8	+0.3
ACSO	Alum Creek Sta	27.15	17	P	P			22 49 14.5	-1.3
ACSO	Alum Creek Sta	27.15	17	eP	P			22 49 15.9	0.0
ACSO	comp=Z,61nm,1.2s			LR	LR				
M44A	Midewin, Midew	27.19	8	P	P			22 49 14.4	-1.8
BGNE	Belgrade	27.22	352	P	P			22 49 16.5	0.0
BGNE	Belgrade	27.22	352	eP	P			22 49 17.4	+0.9
PTRD	Parlow Road	27.25	27	eP	P			22 49 16.4	-0.3
M45A	Boilermakers S	27.30	10	P	P			22 49 15.1	-2.1
PV01	Paradox Valley	27.30	333	eP	P			22 49 20.5	+2.9
Y12C	Blythe	27.35	318	P	P			22 49 20.0	+2.3
Y12C	Blythe	27.35	318	eP	P			22 49 19.5	+1.8
Y12C	comp=Z,146nm,1.7s			LR	LR				
CDVI	St. Croix	27.35	79	eP	P			22 49 17.3	-0.6
SCIA	State Center	27.35	360	P	P			22 49 15.9	-1.7
SCIA	State Center	27.35	360	eP	P			22 49 17.9	+0.2
SCIA	comp=Z,78nm,0.6s			eP	P			22 52 36.5	+0.1
CBN	Corbin Frederi	27.43	28	P	P			22 49 18.2	-0.1
CBN	Corbin Frederi	27.43	28	eP	P			22 49 18.2	-0.1
CBN	comp=Z,140nm,1.2s			LR	LR				
PV15	Paradox Valley	27.44	333	eP	P			22 49 19.7	+1.0
PDMCI	Parker Dam,Lak	27.46	320	P	P			22 49 20.8	+2.1
M46A	Old House Fiel	27.48	11	P	P			22 49 16.7	-2.1
PV05	Paradox Valley	27.50	332	eP	P			22 49 21.8	+2.6
SMCO	Snowmass	27.52	336	eP	P			22 49 22.1	+2.5
OGNE	Ogallala	27.53	345	P	P			22 49 20.6	+1.2
OGNE	Ogallala	27.53	345	eP	P			22 49 20.9	+1.5
OGNE	comp=Z,465nm,1.4s			eP	P			22 52 39.2	+2.2
ISCO	Idaho Springs	27.55	339	P	P			22 49 22.1	+2.2
ISCO	Idaho Springs	27.55	339	eP	P			22 49 22.1	+2.2
ISCO	comp=Z,189nm,1.6s			eP	P			22 52 38.5	+1.1
ISCO	Idaho Springs	27.55	339	eP	P			22 49 22.1	+2.2
ISCO	comp=Z,189nm,1.6s			MLR	MLR				
L40A	Anasazi	27.55	3	P	P			22 49 17.6	-1.9
L37A	Phoenix Point,	27.58	359	P	P			22 49 18.9	-0.8
L36A	Harm Buss Farm	27.58	357	P	P			22 49 18.9	-0.8
L39A	Vinton	27.59	2	P	P			22 49 18.4	-1.3
L38A	Oak Wood Farm,	27.59	0	P	P			22 49 18.8	-1.0
L42A	Oliver, Polo	27.61	5	P	P			22 49 18.6	-1.3
L41A	Preston	27.61	4	P	P			22 49 18.6	-1.3
MCWV	Mont Chateau	27.65	22	eP	P			22 49 19.4	-1.0
MCWV	Mont Chateau	27.65	22	eP	P			22 49 20.9	+0.5
SWSC	Sam W. Stewart	27.70	316	P	P			22 49 23.1	+2.2
IPK10	Paradox Valley	27.71	332	eP	P			22 49 23.7	+2.5
IPK10	Loganville	27.74	315	P	P			22 49 23.6	+2.2
ABVI	Anegada Island	27.82	77	eP	P			22 49 19.0	-3.1
W13A	Hualpai Mount	27.83	321	eP	P			22 49 24.9	+2.7
W13A	comp=Z,152nm,1.4s			LR	LR				
U15A	North Rim	27.84	325	eP	P			22 49 25.1	+2.7
U15A	comp=Z,97nm,1.1s			LR	LR				
PV09	Paradox Valley	27.86	332	eP	P			22 49 25.2	+2.7
L43A	Garden Peak	27.88	7	P	P			22 49 20.7	-1.6
BC3	Big Chuckawall	27.89	317	P	P			22 49 25.1	+2.3
L44A	Lake County Fo	27.98	8	P	P			22 49 21.1	-2.1
IRM	Iron Mountain	28.00	318	P	P			22 49 25.5	+1.9
NEE2	Needles Airpor	28.06	320	P	P			22 49 26.5	+2.4
PCRV	Puerto La Cruz	28.07	95	P	P			22 49 24.3	0.0
PCRV	comp=Z,5.1nm,0.4s			LR	LR			23 01 31.7	
MONP2	Monument Peak	28.09	315	P	P			22 49 26.7	+2.1
K38A	Parkersburg	28.09	0	P	P			22 49 22.6	-1.7
K36A	Gilmore City	28.11	358	P	P			22 49 23.1	-1.3
BAR	Barrett	28.14	314	eP	P			22 49 26.8	+1.9
BAR	comp=Z,14um,21.0s			LR	LR				
K41A	Shullsburg	28.15	4	P	P			22 49 23.9	-0.9
K39									



1d 22h

2012 MAY

Table with columns for station ID, name, coordinates, and various performance metrics (e.g., SNR, error rates).

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1d 22h

2012 MAY

Table with columns for station ID, name, frequency, and other details. Includes stations like I07A, EMMW, M02C, YBH, etc.

Table with columns for station ID, name, frequency, and other details. Includes stations like C06D, D05A, D05A, M02C, etc.

Table with columns for station ID, name, frequency, and other details. Includes stations like TAOE, Nuku Hiva Isla, TAOE, etc.

PAX	Paxon	60.62	335	eP	P	pmx	22 53 44.7	+1.5
PAX	comp=Z,368nm,1.8s							
PAXI				MLR	MLR			
ILULI	Ilulissat	60.73	16	iP	P		22 53 41.2	-2.4
ILULI	Ilulissat	60.73	16	PFAKE	LR		22 54 00.0	+1.6
ILULI	comp=Z,23um,20.0s							
RIDG	Independ' d Rid	60.75	336	eP	P		22 53 45.7	+1.7
RIDG	comp=Z,308nm,1.5s							
SCM	Sheep Creek Mo	60.88	334	eP	LR		22 53 47.1	+2.2
SCM	comp=Z,448nm,1.8s							
SCM	Sheep Creek Mo	60.88	334	eP	P	pmx	22 53 47.1	+2.2
SCM	comp=Z,449nm,1.8s							
SCM	comp=Z,449nm,1.8s					MLR		
SEW	Seward	61.11	332	eP	P		22 53 47.4	+1.1
SEW	comp=Z,80nm,1.2s							
SML	Sawmill	61.30	334	eP	P		22 53 48.8	+1.1
SML	comp=Z,307nm,1.5s							
SML						LR		
SML	comp=Z,5um,20.0s							
SML	Sawmill	61.30	334	eP	P	pmx	22 53 48.8	+1.1
SML	comp=Z,307nm,1.5s							
SML				MLR	MLR			
DHY	Denali Highway	61.45	335	eP	P		22 53 49.6	+0.8
DHY	comp=Z,5um,20.0s							
DHY	Denali Highway	61.45	335	eP	LR			
DHY	comp=Z,37nm,0.9s							
VAH	Vaihoo	61.50	244	eP	P		22 53 51.0	+1.3
VAH	comp=Z,78nm,1.1s							
GHO	Glory Hole Cre	61.54	333	eP	LR		22 53 51.2	+1.8
GHO	comp=Z,164nm,1.1s							
GHO				LR	LR			
PMR	Palmer	61.55	333	eP	P		22 53 50.3	+0.9
PMR	comp=Z,6um,18.0s							
PMR	Palmer	61.55	333	eP	P		22 53 50.3	+0.9
PMR	comp=Z,16nm,1.1s							
RC01	Rabbit Creek A	61.62	333	eP	P		22 53 51.3	+1.5
RC01	comp=Z,171nm,1.2s							
RC01				LR	LR			
PMOR	Pomario Rio	61.63	244	eP	P		22 53 50.7	+0.1
PMOR	comp=Z,146nm,1.5s							
PMOR	Pomario Rio	61.63	244	eT	T		00 00 17.4	
BRLL	Bradley Lake	61.65	331	eP	P		22 53 51.7	+1.6
BRLL	comp=Z,6.3nm,0.2s							
BRLL	Bradley Lake	61.65	331	eP	LR			
BRLL	comp=Z,409nm,1.7s							
BRLL				LR	LR			
KDAK	Kodiak Island	61.80	328	eP	P		22 53 52.6	+1.5
KDAK	comp=Z,16nm,0.7s,baz=103,slow=5.7,SNR=8.6							
KDAK	Kodiak Island	61.80	328	eP	P		22 53 52.0	+0.9
KDAK	comp=Z,314nm,1.8s							
KDAK				LR	LR			
KDAK	Kodiak Island	61.80	328	eP	P	pmx	22 53 52.0	+0.9
KDAK	comp=Z,314nm,1.8s							
KDAK				MLR	MLR			
HDA	Harding Lake	61.88	337	PFAKE	LR		22 54 10.0	+1.8
HDA	comp=Z,6um,18.0s							
HOM	Homer	61.97	331	eP	P		22 53 55.5	+3.3
HOM	comp=Z,9um,18.0s							
HOM	Homer	61.97	331	eP	LR			
HOM	comp=Z,393nm,1.1s							
HOM				LR	LR			
OHAK	Old Harbor	61.99	328	eP	P		22 53 53.0	+0.7
OHAK	comp=Z,216nm,1.4s							
OHAK				LR	LR			
OHAK								
IL1	Eielson Array	62.03	337	eP	P		22 53 53.7	+1.1
ILAR	Eielson Array	62.03	337	eP	P		22 53 53.6	+1.1
ILAR	comp=Z,66nm,1.1s,baz=133,slow=3.7,SNR=118							
ILAR								
ILAR	comp=Z,1.5nm,1.1s,baz=307,slow=3.9,SNR=3.8						23 23 12.4	
ILAR				LR	LR			
ILAR	comp=Z,7um,18.5s,baz=140,slow=38						23 23 21.1	
ILAR								
ILB	Eielson Array	62.03	337	eP	P		22 53 53.4	+0.9
RND	Reindeer	62.19	335	eP	P		22 53 55.3	+1.5
RND	comp=Z,273nm,1.1s							
RND				LR	LR			
RND	Reindeer	62.19	335	eP	P	pmx	22 53 55.3	+1.5
RND	comp=Z,7um,20.0s							
RND				MLR	MLR			
SUA	Susitna One	62.22	333	eP	P		22 53 55.3	+1.3
SUA	comp=Z,7um,20.0s							
SUA	Susitna One	62.22	333	eP	LR			
SUA	comp=Z,374nm,1.7s							
FYU	Fort Yukon	62.30	339	eP	P		22 53 56.4	+2.2
FYU	comp=Z,243nm,1.6s							
FYU				LR	LR			
CCB	Clear Creek Bu	62.32	337	eP	P		22 53 55.3	+0.8
CCB	comp=Z,46nm,1.0s							
CCB				LR	LR			
WRH	Wood River Hill	62.35	336	eP	P		22 53 55.4	+0.7
WRH	comp=Z,8um,18.0s							
WRH	Wood River Hill	62.35	336	eP	LR			
WRH	comp=Z,30nm,0.9s							
MCK	McKinley	62.36	335	eP	P		22 53 56.1	+1.3
MCK	comp=Z,8um,18.0s							
MCK	McKinley	62.36	335	eP	LR			
MCK	comp=Z,169nm,1.2s							
MCK								
MCK	McKinley	62.36	335	eP	P	pmx	22 53 56.1	+1.3
MCK	comp=Z,9um,19.0s							
MCK				MLR	MLR			
COLA	College	62.44	337	eP	P		22 53 56.2	+1.0
COLA	comp=Z,50nm,0.8s							
COLA				LR	LR			
COLA	College	62.44	337	eP	P	pmx	22 53 56.3	+1.0
COLA	comp=Z,7um,19.0s							
COLA								
COLA	comp=Z,50nm,0.8s							
COLA				MLR	MLR			
MDM	Murphy Dome	62.62	337	eP	P		22 53 57.4	+0.9
MDM	comp=Z,7um,19.0s							
MDM	Murphy Dome	62.62	337	eP	LR			
MDM	comp=Z,93nm,1.3s							
MDM				LR	LR			
SPU	Mount Spurr	62.70	332	eP	P		22 53 58.2	+1.1
TRF	Thorofore Moun	62.80	335	eP	P		22 53 59.2	+1.3
TRF	comp=Z,361nm,1.4s							
TRF				LR	LR			
ANGG	Ammassalik, Gr	63.00	23	PFAKE	LR		22 54 10.0	+1.1
ANGG	comp=Z,30um,20.0s							
KTH	Kantishna Hill	63.10	335	eP	LR		22 54 00.7	+0.9
KTH	comp=Z,82nm,0.9s							
KTH				LR	LR			
KULLO	Kullorsuaq	63.31	10	iP	P		22 54 00.5	-0.4
KULLO	comp=Z,5um,19.0s							
KULLO								
KULLO	comp=Z,56nm,1.4s							
KULLO								
BPAW	Bear Paw Mtn.	63.34	335	eP	P		22 54 02.2	+0.9
BPAW	comp=Z,102nm,1.1s							
BPAW				LR	LR			
BPAW	comp=Z,8um,19.0s							
TULEG	Thule	63.38	6	eP	P		22 54 02.5	+1.2
TULEG	comp=Z,80nm,1.2s							
TULEG				LR	LR			
PPLA	Purkeypile	63.38	334	eP	P		22 54 03.2	+1.5
PPLA	comp=Z,22um,19.0s							
PPLA	Purkeypile	63.38	334	eP	LR			
PPLA	comp=Z,387nm,1.7s							
PPLA				LR	LR			
CAST	Castle Rocks	63.53	334	eP	P		22 54 03.1	+0.5
CAST	comp=Z,264nm,1.6s							
CAST				eP	PP		22 56 16.4	-5.9
CAST	comp=Z,4um,22.0s							

CMLA	Cha da Macela	63.59	55	PFAKE	LR		22 54 20.0	+1.7
CMLA	comp=Z,6um,21.0s							
MLY	Manley	63.62	336	eP	P		22 54 04.3	+1.1
MLY	comp=Z,317nm,1.7s							
MLY				LR	LR			
TIAR	Tiarei	64.00	242	eP	P		22 54 07.2	+0.8
TIAR	comp=Z,7um,18.0s							
TVO	Taravao	64.02	242	eT	T		00 03 16.0	
TVO	comp=Z,19nm,0.9s							
TVO	comp=Z,1.1nm,0.3s							
CHRN	Cochrane	64.10	165	eP	P		22 54 04.6	-1.8
CHRN	comp=Z,24nm,1.3s							
PPT	Papeete	64.20	242	LR	LR		23 15 04.5	
PPT	comp=Z,3um,18.7s,baz=66,slow=29							
PPT2	Papeete2	64.21	242	eS	S		23 20 40.4	-3.5
PPT2	comp=Z,10um,31.2s							
PPT2				eLQ	LQ		23 10 38.9	
PPT2	comp=Z,6um,31.8s							
PPT2				eLR	LR		23 12 58.8	
PAE	Paee	64.25	242	eP	P		22 54 09.0	+1.1
PAE	comp=Z,15nm,1.1s							
SVW2	Sparvehojn	64.29	331	eP	P		22 54 08.8	+1.2
SVW2	comp=Z,176nm,1.8s							
SVW2				LR	LR			
COLD	Coldfoot	64.34	339	eP	P		22 54 09.8	+1.9
COLD	comp=Z,3um,20.0s							
COLD	comp=Z,169nm,1.6s							
COLD				LR	LR			
CHGN	Chignik	64.47	326	PFAKE	LR		22 54 20.0	+1.1
CHGN	comp=Z,9um,19.0s							
CHGN				LR	LR			
TOLK	Toolik Lake Re	64.75	340	P	P		22 54 12.4	+1.9
TOLK	comp=Z,3um,20.0s							
TOLK	Toolik Lake Re	64.75	340	eP	P		22 54 12.3	+1.7
TOLK	comp=Z,51nm,0.6s							
TOLK				LR	LR			
IM3	Indian Mountai	65.15	337	eP	P		22 54 12.7	-0.3
SDPT	Sand Point	65.42	325	PFAKE	LR		22 54 30.0	+1.5
SDPT	comp=Z,3um,19.0s							
SUMG	Summit	66.07	16	iP	P		22 54 18.8	-0.6
SUMG	comp=Z,11nm,0.8s							
SUMG	Summit	66.07	16	eP	P		22 54 19.8	+0.4
SUMG	comp=Z,11nm,0.8s							
SUMG				eP	P	pmx	22 54 19.8	+0.4
TBI	Tubuai	66.75	236	eS	S		23 03 12.8	-1.8
TBI	comp=Z,11nm,0.8s							
TBI	Tubuai	66.75	236	eLR	LR		23 14 35.2	
TBI	comp=Z,8um,27.5s,baz=58							
TBI	comp=Z,9.4nm,0.2s							
TBI	Santiago Islan	66.89	80	PFAKE	LR		22 54 40.0	+1.5

Table with columns: TIC, LPL, LIC, DBIC, etc. and rows for various locations like Toumodi, La Plagne, Dimbokro, etc.

Table with columns: PEAOB, PETK, KHC, KHC, etc. and rows for various locations like Petropavlovsk, Kasperse Hory, Panska Ves, etc.

Table with columns: TOCS, TOB4, TOA1, etc. and rows for various locations like Torodi Ar. Sit, PFAKE, etc.









PFB	Port Renfrew	4.25 117	Pn	Pn	22 54 46.8 -1.8
PFB	Port Renfrew	4.25 117	Pn	Pn	22 54 46.8 -1.8
OCF	Olym-Cheeka Pk	4.29 121	Pn	Pn	22 54 48.2 -1.0
OCF	Olym-Cheeka Pk	4.29 121	Pn	Pn	22 54 48.2 -1.0
B926	Mesachie Lake	4.30 113	Pn	Pn	22 54 48.3 -1.1
UBRB	Upper Baizeako	4.37 57	Pn	Pn	22 54 52.1 +1.5
UBRB	Upper Baizeako	4.37 57	Pn	Pn	22 54 52.1 +1.5
PCB	Bare Point	4.51 110	Pn	Pn	22 54 52.8 +0.6
PCB	Bare Point	4.51 110	Pn	Pn	22 54 52.8 +0.6
LZB	Mount Lazard	4.58 114	Pn	Pn	22 54 52.2 -1.0
LZB	Mount Lazard	4.58 114	Pn	Pn	22 54 52.2 -1.0
GOBB	Galiano Island	4.61 109	Pn	Pn	22 54 54.4 +0.8
GOBB	Galiano Island	4.61 109	Pn	Pn	22 54 54.4 +0.8
OFAR	Olym-F Res Ctr	4.63 124	Pn	Pn	22 54 54.4 +0.5
OFAR	Olym-F Res Ctr	4.63 124	Pn	Pn	22 54 54.4 +0.5
WLSLR	Whistler	4.64 94	Pn	Pn	22 54 53.8 -0.3
WLSLR	Whistler	4.64 94	Pn	Pn	22 54 53.8 -0.3
OB	Olympics-Boni	4.74 121	Pn	Pn	22 54 55.5 0.0
OB	Olympics-Boni	4.74 121	Pn	Pn	22 54 55.5 0.0
PGC	Sidney	4.78 112	ePn	Pn	22 54 55.8 -0.1
PGC	Sidney	4.78 112	ePn	Pn	22 54 55.8 -0.1
SNB	Saturna Island	4.89 110	Pn	Pn	22 54 58.6 +1.1
SNB	Saturna Island	4.89 110	Pn	Pn	22 54 58.6 +1.1
VZG	Gonzales	4.96 114	Pn	Pn	22 54 58.0 -0.5
VZG	Gonzales	4.96 114	Pn	Pn	22 54 58.0 -0.5
OSD	Olympics-Snow	5.07 121	Pn	Pn	22 54 59.8 -0.4
OSD	Olympics-Snow	5.07 121	Pn	Pn	22 54 59.8 -0.4
MCW	Mount Constitu	5.13 110	Pn	Pn	22 55 01.1 +0.2
MCW	Mount Constitu	5.13 110	Pn	Pn	22 55 01.1 +0.2
CRAG	Craig	5.16 341	ePn	Pn	22 56 29.4 +1.0
CRAG	Craig	5.16 341	ePn	Pn	22 56 29.4 +1.0
A04D	Lummi Island	5.19 109	P	Pn	22 55 01.2 -0.4
A04D	Lummi Island	5.19 109	P	Pn	22 55 01.2 -0.4
NLWA	Nelton Lookou	5.25 126	ePn	Pn	22 55 01.8 -0.7
NLWA	Nelton Lookou	5.25 126	ePn	Pn	22 55 01.8 -0.7
LLBL	Lillooet	5.25 87	Pn	Pn	22 55 02.8 +0.3
LLBL	Lillooet	5.25 87	Pn	Pn	22 55 02.8 +0.3
BLN	Blyn Mountain	5.38 117	Pn	Pn	22 55 03.9 -0.3
BLN	Blyn Mountain	5.38 117	Pn	Pn	22 55 03.9 -0.3
VDB	Vedder Mountain	5.43 104	Pn	Pn	22 55 05.7 +0.7
VDB	Vedder Mountain	5.43 104	Pn	Pn	22 55 05.7 +0.7
WISH	Wishkah	5.49 128	Pn	Pn	22 55 06.0 +0.4
WISH	Wishkah	5.49 128	Pn	Pn	22 55 06.0 +0.4
HDW	Hoodsport	5.53 120	Pn	Pn	22 55 06.2 -0.1
HDW	Hoodsport	5.53 120	Pn	Pn	22 55 06.2 -0.1
MBW	Mount Baker	5.66 106	Pn	Pn	22 55 09.7 +0.6
MBW	Mount Baker	5.66 106	Pn	Pn	22 55 09.7 +0.6
HOPE	Hope	5.76 99	Pn	Pn	22 55 09.7 +0.4
HOPE	Hope	5.76 99	Pn	Pn	22 55 09.7 +0.4
B05A	Bryant	5.76 111	Pn	Pn	22 55 09.0 -0.3
B05A	Bryant	5.76 111	Pn	Pn	22 55 09.0 -0.3
JCW	Jim Creek	5.89 111	Pn	Pn	22 55 11.4 +0.2
JCW	Jim Creek	5.89 111	Pn	Pn	22 55 11.4 +0.2
WRAK	Wrangell Islan	5.93 348	ePn	Pn	22 55 10.1 -1.6
WRAK	Wrangell Islan	5.93 348	ePn	Pn	22 55 10.1 -1.6
E03A	Leban	5.98 131	Pn	Pn	22 55 11.5 -0.9
E03A	Leban	5.98 131	Pn	Pn	22 55 11.5 -0.9
B06A	Marblemount	6.01 107	Pn	Pn	22 55 13.2 +0.3
B06A	Marblemount	6.01 107	Pn	Pn	22 55 13.2 +0.3
C05A	Toit Reservoir	6.28 115	Pn	Pn	22 55 16.5 0.0
C05A	Toit Reservoir	6.28 115	Pn	Pn	22 55 16.5 0.0
ELW	Echo Lake	6.28 117	Pn	Pn	22 55 16.7 +0.2
ELW	Echo Lake	6.28 117	Pn	Pn	22 55 16.7 +0.2
D05A	Enumclaw	6.49 120	ePn	Pn	22 55 19.1 +1.4
D05A	Enumclaw	6.49 120	ePn	Pn	22 55 19.1 +1.4
GPW	Glacier Peak	6.39 120	ePn	Pn	22 55 18.4 +0.1
GPW	Glacier Peak	6.39 120	ePn	Pn	22 55 18.4 +0.1
F04D	Rainier, OR	6.58 131	P	Pn	22 55 21.2 +0.5
F04D	Rainier, OR	6.58 131	P	Pn	22 55 21.2 +0.5
C06D	Leavenworth	6.63 111	P	Pn	22 55 22.2 +0.9
C06D	Leavenworth	6.63 111	P	Pn	22 55 22.2 +0.9
FMW	Mount Fremont	6.71 120	Pn	Pn	22 55 23.6 +0.9
FMW	Mount Fremont	6.71 120	Pn	Pn	22 55 23.6 +0.9
LOH	Longmie	6.75 122	Pn	Pn	22 55 23.5 +0.5
LOH	Longmie	6.75 122	Pn	Pn	22 55 23.5 +0.5
PNT	Penticton	6.91 97	Pn	Pn	22 55 25.4 +0.2
PNT	Penticton	6.91 97	Pn	Pn	22 55 25.4 +0.2
LTY	Liberty	7.09 115	Pn	Pn	22 55 28.4 +0.7
LTY	Liberty	7.09 115	Pn	Pn	22 55 28.4 +0.7
G03D	McMinnville, O	7.13 137	P	Pn	22 55 29.1 +0.9
G03D	McMinnville, O	7.13 137	P	Pn	22 55 29.1 +0.9
D0WB	Downie Slide	7.37 79	Pn	Pn	22 55 32.5 +0.9
D0WB	Downie Slide	7.37 79	Pn	Pn	22 55 32.5 +0.9
B08A	Colville Reser	7.40 104	Pn	Pn	22 55 32.3 +0.4
B08A	Colville Reser	7.40 104	Pn	Pn	22 55 32.3 +0.4
DLBC	Dease Lake	7.81 00	Pn	Pn	22 55 39.3 +1.8
DLBC	Dease Lake	7.81 00	Pn	Pn	22 55 39.3 +1.8
DLBC	Dease Lake	7.81 00	ePn	Pn	22 57 07.3 +0.7
DLBC	Dease Lake	7.81 00	ePn	Pn	22 57 07.3 +0.7
DLBC	Dease Lake	7.81 00	ePn	Pn	22 55 38.8 +1.3
DLBC	Dease Lake	7.81 00	ePn	Pn	22 57 07.3 +1.3
DLBC	Dease Lake	7.81 00	ePn	Pn	22 57 07.3 +1.3
DLBC	Dease Lake	7.81 00	ePn	Pn	22 55 40.0 +0.6
DLBC	Dease Lake	7.81 00	ePn	Pn	22 55 41.5 +1.1
G05D	Wamic, OR	8.01 129	P	Pn	22 55 41.5 +1.1
G05D	Wamic, OR	8.01 129	P	Pn	22 55 41.5 +1.1
H04A	Detroit Lake	8.02 135	ePn	Pn	22 55 42.0 +1.6
H04A	Detroit Lake	8.02 135	ePn	Pn	22 55 42.0 +1.6
H04A	Detroit Lake	8.02 116	ePn	Pn	22 55 43.4 +0.1
H04A	Detroit Lake	8.02 116	ePn	Pn	22 55 43.4 +0.1
HAWA	Hanford	8.22 117	ePn	Pn	22 55 43.4 +0.2
HAWA	Hanford	8.22 117	ePn	Pn	22 55 43.4 +0.2
C09A	Chrisman Ranch	8.27 106	ePn	Pn	22 55 44.7 +0.9
C09A	Chrisman Ranch	8.27 106	ePn	Pn	22 55 44.7 +0.9
I03D	Drain, OR	8.34 144	P	Pn	22 55 45.9 +1.0
I03D	Drain, OR	8.34 144	P	Pn	22 55 45.9 +1.0
I04A	Tendick Farm,	8.63 140	P	Pn	22 55 50.2 +1.3
I04A	Tendick Farm,	8.63 140	P	Pn	22 55 50.2 +1.3
NEW	Newport	8.81 101	Pn	Pn	22 55 52.0 +0.8
NEW	Newport	8.81 101	Pn	Pn	22 55 52.0 +0.8
NEW	Newport	8.81 101	P	Pn	22 55 51.3 +0.1
NEW	Newport	8.81 101	P	Pn	22 55 51.3 +0.1
E09A	Wood Farm, Sta	8.96 113	ePn	Pn	22 55 53.6 +0.3
E09A	Wood Farm, Sta	8.96 113	ePn	Pn	22 55 53.6 +0.3
J04D	Umpqua Nationa	9.21 140	P	Pn	22 55 57.2 +0.3
J04D	Umpqua Nationa	9.21 140	P	Pn	22 55 57.2 +0.3
FNB	Fort Nelson	9.23 24	Pn	Pn	22 55 56.9 0.0
FNB	Fort Nelson	9.23 24	Pn	Pn	22 55 56.9 0.0
PINE	Pine Mountain	9.28 134	ePn	Pn	22 55 58.8 +0.0
PINE	Pine Mountain	9.28 134	ePn	Pn	22 55 58.8 +0.0
HUMO	Hill Mountain	9.43 146	ePn	Pn	22 56 01.5 +1.7
HUMO	Hill Mountain	9.43 146	ePn	Pn	22 56 01.5 +1.7
J05D	Fort Rock, OR	9.54 137	P	Pn	22 56 01.7 +0.2
J05D	Fort Rock, OR	9.54 137	P	Pn	22 56 01.7 +0.2
L02D	Cave Junction,	9.61 150	P	Pn	22 56 01.8 -0.4
L02D	Cave Junction,	9.61 150	P	Pn	22 56 01.8 -0.4
I07A	Beach Ranch, E	9.75 128	ePn	Pn	22 56 06.3 +2.1
I07A	Beach Ranch, E	9.75 128	ePn	Pn	22 56 06.3 +2.1
F10A	Yreka Blue Hor	10.29 147	Pn	Pn	22 56 15.1 +3.5
F10A	Yreka Blue Hor	10.29 147	Pn	Pn	22 56 15.1 +3.5
WHY	Whitehorse	10.39 347	ePn	Pn	22 56 13.8 +0.9
WHY	Whitehorse	10.39 347	ePn	Pn	22 56 13.8 +0.9
BMO	Blue Mountains	10.40 119	ePn	Pn	22 56 13.2 +0.2
BMO	Blue Mountains	10.40 119	ePn	Pn	22 56 13.2 +0.2
M02C	Callahan	10.54 149	P	Pn	22 56 14.4 -0.6
M02C	Callahan	10.54 149	P	Pn	22 56 14.4 -0.6
M04C	Macdoel	10.56 144	P	Pn	22 56 14.8 -0.5
M04C	Macdoel	10.56 144	P	Pn	22 56 14.8 -0.5
WALLA	Waterin Lakes	10.60 92	ePn	Pn	22 56 16.9 +1.1
WALLA	Waterin Lakes	10.60 92	ePn	Pn	22 56 16.9 +1.1
KHMM	Horse Mountain	10.74 153	ePn	Pn	22 56 17.8 -0.1
KHMM	Horse Mountain	10.74 153	ePn	Pn	22 56 17.8 -0.1
JTMT	Jette	10.77 99	ePn	Pn	22 56 19.8 +1.5
JTMT	Jette	10.77 99	ePn	Pn	22 56 19.8 +1.5
J08A	Circle Bar	10.79 128	ePn	Pn	22 56 20.2 +1.8
J08A	Circle Bar	10.79 128	ePn	Pn	22 56 20.2 +1.8
N02D	Trinity Center	10.97 149	P	Pn	22 56 21.6 +0.7
N02D	Trinity Center	10.97 149	P	Pn	22 56 21.6 +0.7
HYT	Haines Junctio	11.01 341	ePn	Pn	22 56 20.6 -0.8
HYT	Haines Junctio	11.01 341	ePn	Pn	22 56 20.6 -0.8
MOD	Modoc Plateau	11.07 138	ePn	Pn	22 56 24.2 +1.8
MOD	Modoc Plateau	11.07 138	ePn	Pn	22 56 24.2 +1.8
KMRM	Mail Ridge	11.35 154	ePn	Pn	22 56 31.5 +5.4
KMRM	Mail Ridge	11.35 154	ePn	Pn	22 56 31.5 +5.4
MSO	Missoula	11.35 103	ePn	Pn	22 56 26.0 -0.2
MSO	Missoula	11.35 103	ePn	Pn	22 56 26.0 -0.2
MSO	Missoula	11.35 103	ePn	Pn	22 56 26.8 +0.7
MSO	Missoula	11.35 103	ePn	Pn	22 56 26.8 +0.7
WDC	Whiskeytown Da	11.38 149	ePn	Pn	22 56 29.8 +3.4
WDC	Whiskeytown Da	11.38 149	ePn	Pn	22 56 29.8 +3.4
WVOR	Wild Horse Val	11.40 132	ePn	Pn	22 56 27.6 +0.9
WVOR	Wild Horse Val	11.40 132	ePn	Pn	22 56 27.6 +0.9
O03D	Paynes Creek	11.88 147	P	Pn	22 56 33.4 +0.1
O03D	Paynes Creek	11.88 147	P	Pn	22 56 33.4 +0.1
KCPM	Cajito Peak	11.89 155	ePn	Pn	22 56 36.1 +2.6
KCPM	Cajito Peak	11.89 155	ePn	Pn	22 56 36.1 +2.6
MFID	Camas Ranch	12.13 121	ePn	Pn	22 56 38.2 +1.4
MFID	Camas Ranch	12.13 121	ePn	Pn	22 56 38.2 +1.4
ORV	Oroville	12.64 148	ePn	Pn	22 56 46.8 +3.1
ORV	Oroville	12.64 148	ePn	Pn	22 56 46.8 +3.1
LRM	Limekiln Ridge	12.73 105	ePn	Pn	22 56 45.6 +0.5
LRM	Limekiln Ridge	12.73 105	ePn	Pn	22 56 45.6 +0.5
HLID	Halley	12.83 117	P	Pn	22 56 45.9 -0.5
HLID	Halley	12.83 117	P	Pn	22 56 45.9 -0.5
HLID	Halley	12.83 117	ePn	Pn	22 56 48.2 +1.9
HLID	Halley	12.83 117	ePn	Pn	22 56 47.6 +0.7
MCMT	McKenzie Canyo	13.00 111	ePn	Pn	22 56 49.1 +0.4
MCMT	McKenzie Canyo	13.00 111	ePn	Pn	22 56 49.1 +0.4
PAHR	Pah Rah Range	13.29 141	ePn	Pn	22 56 54.1 +1.4
PAHR	Pah Rah Range	13.29 141	ePn	Pn	22 56 54.1 +1.4
BOZ	Bozeman (W)	13.34 105	P	Pn	22 56 52.2 -1.2
BOZ	Bozeman (W)	13.34 105	P	Pn	22 56 52.2 -1.2
BOZ	Bozeman (W)	13.34 105	ePn	Pn	22 56 53.3 -0.1
BOZ	Bozeman (W)	13.34 105	ePn	Pn	22 56 53.3 -0.1
AFDM	Forest Hills D	13.37 148	ePn	Pn	22 56 55.5 +2.1
AFDM	Forest Hills D	13.37 148	ePn	Pn	22 56 55.5 +2.1
EGMT	Eagleton	13.54 93	P	Pn	22 56 55.8 -0.8
EGMT	Eagleton	13.54 93	P	Pn	22 56 55.8 -0.8

YHB	Horse Butte	14.04 108	ePn	Pn	22 57 04.7 +1.
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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for J43A Natural Harves, TX31 Lajitas Ar. Si, TXAR Lajitas Array, T39A Clever, Q41A Truxton, R41A Rosebud, V39A Pettigrew, Q42A Golden Eagle, U41A Jilico Farms, S40A Yellville, JCT Junction City, JCT Junction City, R42A Luebbing, P43A Skaggs, Pawnee, W39A Magazine, T41A Mountain View, Q43A New Douglas, V41A Mountainview, S43A Fulton Ridge, V42A Cord, R45A Skyflat, Fairfi, S45A Carrier Mills, OXF Oxford, FRB Frobrisher Bay, X48A Hartsele, LRAL Lakeview Retre, 149A Jones, WVCC Virginia Weste, SEY Seymchan, PETK Petropavlovsk, H1N2 WAKE ISLAND, H1N3 WAKE ISLAND, H1N1 WAKE ISLAND, H1S1 WAKE ISLAND, H1S2 WAKE ISLAND, H1S3 WAKE ISLAND, HFS Hagfords, OTAV Otavalo, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZHC Hu-ho-hao-te, BVAR Borovoye Array, KURK Kurchatov, GERES GERES Array, KURBB Kurchatov Array, AKASO Malin Array, NJ2 Nanjing, MKAR Makanchi Array, MK01 Makanchi Array, WMO Urumei, LZH Lanzhou, LZH Lanzhou, CD2 Chengdu, KSH Kashi, QIZ Qiongzong.

ISCJB 01 22:56:15.4d.0.4, 14.25N.0.05:93.01W.0.04, h10km, mb4.4/3, Error ellipse: s-maj=8.0km s-min=4.5km az=39.4

NEIC 01 22:56:16.6d.0.14, 16.16N:93.07W, h10km, mb4.6/26, MD4.3(MEX), Error ellipse: s-maj=12.9km s-min=6.7km az=209.0

IDC 01 22:56:19.2:3.0.14, 42N:92.75W, h24km, 21km, mb4.1/19, mb1.4/321, mb1mx4.150, mbmp4.321, ML2.2/2, Error ellipse: s-maj=36.1km s-min=13.4km az=35.0

MEX 01 22:56:20.5:0.4, 14.33N:93.06W, h10km, 51km, MD4.3, ISC 01 22:56:17.8:1.9, 14.30N:0.06:93.03W.0.05, h11km, n90, c157/99, mb4.5/43, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for THIG, THIG, THIG, THIG, PCIG, PCIG, PCIG, CCIG, CCIG, CCIG, TGIG, TGIG, TGIG, TGIG, IXC, APG, APG, CMIG, CMIG, CMIG, SNET, LFRS, TGUH, TLIG, TLIG, LVIG, MYIG, JTS, JTS, MOIG, LKIG, LKIG, HKT, HKT, JCT, H06E.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for TX31 Lajitas Ar. Si, TXAR Lajitas Array, MIAR Mount Ida, GDLE Guadalupe Moun, GOGA Godfrey, RUST La Rusia, RUST Muleshoe, AMTX Amarillo, HSGI Santo Domingo, SDV Santo Domingo, SDV Santo Domingo, 319A Douglas, TKL Tuckaleechee C, BNM Barren Site, LPM Los Pinos Moun, CCM Cathedral Cave, LAZ Lador, ANMO Albuquerque, TUC Tucson, MHCTO State Highway, SDCO Great Sand Dun, X16A Lo Mia Camp, PDAR Pinedale Array, PDAR Pinedale Array, SNOW Snow King Moun, NV01 Mina Array Sit, NVAR Mina Array Bea, NVAR Mina Array Bea, LOHW Long Hollow, ULM Lac du Bonnet, ULM Lac du Bonnet, F10A Circle Bar, F10A Beach Ranch, EDM Edmonton, SIV San Ignacio, YKA Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, DLBC Dease Lake, FRB Frobrisher Bay, INK Inuvik, INK Inuvik, RES Resolute Bay, RES Resolute Bay, IL1 Eielson Array, ILAR Eielson Array, RND Rindge, MCK McKinley, TRF Thorofare Moun, CAST Castle Rocks, MLY Manly, EKA Eskdalemuir Ar, ESK Sonseca Array, ES19 SONSECA Array, NB2 NORSAR Subarra, NOA NORSAR Array, KOWA Kowa, HFS Hagfords, ARCES ARCESS Array, TIXI Tikit, GERES GERES Array, FINES FINES Array, TORD Torodi Ar, MKAR Makanchi Array, CD2 Chengdu, WRA Warramunga Ar, ASAR Alice Springs, CMAR Chiang Mai Arr, HYB Hyderabad.

WEL 01 22:57:09.3, 43.25E:1.0:171.9E:1.0, h12km, 1km, ML3.7/8, South Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for OXZ Oxford, OXZ Oxford, LTZ Lake Taylor, LTZ Lake Taylor, CRZL Canterbury Lary, MOZ McQueen's Vall, RPZ Rata Peaks, WYZ Waitaha Valley, OKCZ Okains Bay, OKCZ Akarora Harbour, KHZ Kahutara, DSZ Denniston Nort, FZP Fossil Pt, THZ Topouse, LBZ Lake Benmore, ODZ Otahua Downs, BSWZ Blackbirch Sta, NNZ Nelson, TUWZ Tutuanga, QRZ Quartz Range, JCY Jackson Bay, TCW Tory Channel, DUWZ D'Urville Isla, CAW Cannon Point, TUNZ Tuna, OGWZ Otaki Gorge.

ISK 01 23:08:04.3, 37.43N:36.93E, h5km, ML2.1/6, CSEM 01 23:08:05.3:0.2, 37.43N:36.88E, h2km, ML2.1, Error

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for ellipse: s-maj=4.0km s-min=3.5km az=27.0, DDA 01 23:08:05.4, 37.47N:36.88E, h9km, ML2.5, ISC 01 23:08:04.6:1.0, 37.43N:0.03:36.87E:0.02, h5km, 8km, n30, c056/42, Turkey, KMRS Kahramanmaras, KMRS Kahramanmaras, KMRS Kahramanmaras, GAZ Gaziantep, GAZ Gaziantep, ANDN Andirin, ANDN Andirin, KUZU Kuzuini, KUZU Kuzuini, KOZT Kozan, KOZT Kozan, SAIM ADANA, SAIM ADANA, SAIM ADANA, AKCD Akcadag, AKCD Akcadag, AKCD Akcadag, DARE Darendemalaty, DARE Darendemalaty, YAHY KAYSERI Yahyal, YAHY KAYSERI Yahyal, SURC SANLIURFA SURC, SURC SANLIURFA SURC, YAYL Yayladag, YAYL Yayladag, YAYL Yayladag, MALT Malatya, MALT Malatya, BNN Bunyan, BNN Bunyan, HEKM Malatya Hekim, HEKM Malatya Hekim, HEKM Malatya Hekim, HEKM Malatya Hekim, CUALT Altinyayla-SIV, CUALT Altinyayla-SIV.

IDC 01 23:18:50.1:8.1, 15.20N:92.71W, h0km, mb3.3/2, mb1.3/6.4, mb1mx3.4/48, mbtmp3.1/4, ML3.0/2, Error ellipse: s-maj=209.5km s-min=21.0km, Mexico-Guatemala border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for APG El Apazote, APG El Apazote, CMIG Matias Romero, CMIG Matias Romero, NVAR Mina Array Bea, YKA Yellowknife Ar.

ISCJB 01 23:22:09.0:1.7, 14.32N:0.05:93.26W.0.07, h18km, 11km, mb3.7/7, Error ellipse: s-maj=11.7km s-min=7.7km az=146.2

IDC 01 23:22:09.1:1.7, 14.61N:93.02W, h0km, mb3.7/7, mb1.3/9.10, mb1mx3.7/52, mbtmp3.6/10, ML3.5/3, Error ellipse: s-maj=46.7km s-min=16.9km az=30.0

NEIC 01 23:22:10.6:0.0, 14.27N:93.21W, h5km, MD4.1(MEX), After MEX

MEX 01 23:22:10.6:0.0, 14.27N:93.21W, h5km, MD4.1, ISC 01 23:22:09.6:2.2, 14.40N:0.07:93.21W.0.07, h9km, 13km, n22, c150/32, mb3.8/7, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for THIG, THIG, THIG, PCIG, PCIG, PCIG, CCIG, CCIG, CCIG, TGIG, TGIG, TGIG, TGIG, APG El Apazote, APG El Apazote, CMIG Matias Romero, CMIG Matias Romero, CMIG Matias Romero, JTS, JTS, TXAR Lajitas Array, SDV Santo Domingo, PDAR Pinedale Array, NVAR Mina Array Bea, YKA Yellowknife Ar, DLBC Dease Lake, INK Inuvik, INK Inuvik, WRA Warramunga Ar, WRA Warramunga Ar, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr.

ISCJB 01 23:22:25.3:0.6, 39.02N:0.03:33.88E.0.04, h0km, 8km, Error ellipse: s-maj=5.2km s-min=4.9km az=147.4, CSEM 01 23:22:25.6:0.2, 39.03N:33.87E, h5km, ML2.5, Error ellipse: s-maj=3.6km s-min=3.4km az=162.0, DDA 01 23:22:25.3, 39.02N:33.90E, h7km, ML2.5, ISC 01 23:22:25.1, 39.04N:33.86E, h5km, ML2.5/5, ISC 01 23:22:25.9:1.0, 39.02N:0.02:33.86E:0.03, h9km, 11km, n30, c053/42, Turkey, SERE Serefikochia, SERE Serefikochia, SERE Serefikochia, AKSY AKSARAY - Alt, AKSY AKSARAY - Alt, AKSY AKSARAY - Alt, CWDG Cicekdag.







Table with columns: Station ID, Name, Time, Magnitude, Quality, Location, and other parameters. Includes stations like OTAV, Y48A, X45A, etc.

Table with columns: Station ID, Name, Time, Magnitude, Quality, Location, and other parameters. Includes stations like R40A, R39A, R41A, etc.

Table with columns: Station ID, Name, Time, Magnitude, Quality, Location, and other parameters. Includes stations like C38A, C36A, H17A, etc.

DDA 02 00:02:40.9, 38:66N-26:64E, h26km, M1.3
IDC 02 00:02:41.6, 0.7, 38:64N-26:82E, h0km, mb3.8/15,
mb1.3/9.23, mb1mx3.8/68, mbtmp3.8/23, ML3.5/7, Error
ellipse: s-maj=14.8km s-min=12.2km az=12.0



LOUT	Loutraki	2.98 258	P	Pn	00 03 30.2 +0.7	ANKY	Antikythira Is	3.86 225	P	Pn	00 03 41.6 0.0	PLOR	Plostina	7.20 360	P	Pn	00 04 28.8 +1.3
LOUT	Loutraki	2.98 258	P	Pn	00 03 30.2 +0.7	ANKY	Antikythira Is	3.86 225	P	Pn	00 03 41.6 0.0	PLE	Pljevlja	7.22 313	ePn	Pn	00 04 28.0 +0.1
PROD	Prodromos	2.98 264	P	Pn	00 03 29.5 0.0	SAHE	Sakarya HENDEK	3.91 54	i P	Pn	00 03 42.3 0.0	PLE	Pljevlja	7.22 313	ePn	Pn	00 05 47.8 -2.0
PROD	Prodromos	2.98 264	P	Pn	00 03 29.4 -0.2	SAHE	Sakarya HENDEK	3.91 54	i P	Pn	00 03 42.3 0.0	PLE	Pljevlja	7.22 313	ePn	Pn	00 04 28.0 +0.1
PROD	Prodromos	2.98 264	P	Pn	00 03 29.4 -0.2	SIVA	Sivaya	3.92 203	P	Pn	00 03 44.2 +1.8	TRUS	Trudelj	7.29 322	ePn	Pn	00 04 27.8 -2.0
BGKT	Bogazkoy	3.00 32	Pn	Pn	00 03 30.5 +0.5	SIVA	Sivaya	3.92 203	P	Pn	00 03 45.8 +0.9	TRUS	Trudelj	7.29 322	ePn	Pn	00 04 28.0 +0.3
BGKT	Bogazkoy	3.00 32	Pn	Pn	00 03 30.3 +0.5	SIVA	Sivaya	3.92 203	P	Pn	00 03 41.5 -0.9	HAVZ	Havza	7.37 68	i P	Pg	00 05 01.1 -2.5
BGKT	Bogazkoy	3.00 32	Pn	Pn	00 03 30.3 +0.5	DYR	Agios Nikonas	3.92 243	P	Pn	00 03 43.2 +0.8	DIVS	Divibare	7.41 319	ePn	Pn	00 04 30.9 +0.6
FYTO	Fytoko, Volos	3.00 286	P	Pn	00 03 29.5 -0.3	DYR	Agios Nikonas	3.92 243	P	Pn	00 03 42.7 +0.2	DIVS	Divibare	7.41 319	ePn	Pn	00 04 31.0 +0.6
FYTO	Fytoko, Volos	3.00 286	P	Pn	00 03 29.5 -0.3	DYR	Agios Nikonas	3.92 243	P	Pn	00 03 42.7 +0.2	UM	Unac-Piva	7.43 310	i Pn	Pn	00 04 31.2 +0.3
PLG	Polygyros	3.03 306	P	Pn	00 03 30.4 +0.1	AUMMH	MIHALCIK	3.93 70	i P	Pg	00 03 56.2 -1.6	UM	Unac-Piva	7.43 310	i Pn	Pn	00 04 31.2 +0.3
PLG	Polygyros	3.03 306	P	Pn	00 03 31.8 +0.9	GRG	Griva	4.01 306	P	Pn	00 03 46.8 +0.8	BR1	Berat	7.49 307	i Pn	Pn	00 04 34.5 +1.8
PLG	Polygyros	3.03 306	P	Pn	00 03 30.1 -0.2	DRO	Drossia	3.96 261	P	Pn	00 03 43.1 +0.1	BR1	Berat	7.49 307	i Pn	Pn	00 04 32.2 +0.6
ISK	Istanbul-Kandi	3.04 37	Pn	Pn	00 03 31.4 +1.1	DRO	Drossia	3.96 261	P	Pn	00 03 43.1 +0.1	BBLs	Lazi&#263;i	7.56 316	ePn	Pn	00 04 32.6 +0.2
ISK	Istanbul-Kandi	3.04 37	Pn	Pn	00 03 31.4 +1.1	DOGA	KONYA_Doganhis	3.96 96	i P	Pn	00 03 45.3 +2.1	TP	Timpagrade	7.75 277	ePn	Pn	00 04 35.8 +0.7
ISK	Istanbul-Kandi	3.04 37	Pn	Pn	00 03 31.4 +1.1	DOGA	KONYA_Doganhis	3.96 96	i P	Pn	00 03 45.3 +2.1	TIP	Timpagrade	7.75 277	ePn	Pn	00 04 35.8 +0.7
PHSR	Pinarhisar	3.05 12	Pn	Pn	00 03 30.9 +0.4	DRG	Griva	4.01 306	P	Pn	00 03 46.8 +0.8	SEV	Sevastopol'	7.88 38	ePn	Pn	00 04 34.6 -2.2
PHSR	Pinarhisar	3.05 12	Pn	Pn	00 03 30.9 +0.4	GRG	Griva	4.01 306	P	Pn	00 03 46.8 +0.8	SEV	Sevastopol'	7.88 38	ePn	Pn	00 05 57.7 -8.2
KRND	KRANIDI	3.05 247	P	Pn	00 03 30.2 -0.4	ITM	Ithomi	4.03 250	P	Pn	00 03 45.5 +1.6	HAPS	Han Pijesak,Bl	7.95 316	ePn	Pn	00 04 39.6 +1.7
KRND	KRANIDI	3.05 247	P	Pn	00 03 30.0 -0.5	ITM	Ithomi	4.03 250	ePn	Pn	00 03 44.9 +1.0	STKS	Tekeris	7.96 320	ePn	Pn	00 04 38.3 +0.4
KRND	KRANIDI	3.05 247	P	Pn	00 03 30.1 -0.4	ITM	Ithomi	4.03 250	P	Pn	00 03 44.8 +0.7	STON	Ston	8.01 305	ePn	Pn	00 04 40.2 +1.7
CTYL	Yalikoy Yolu	3.08 23	Pn	Pn	00 03 31.8 +0.9	ITM	Ithomi	4.03 250	P	Pn	00 03 45.6 +0.9	ALU	Alushta	8.36 41	ePn	Pn	00 04 45.1 +1.8
CTYL	Yalikoy Yolu	3.08 23	Pn	Pn	00 03 31.8 +0.9	ITM	Ithomi	4.03 250	ePn	Pn	00 03 44.9 +1.0	ALU	Alushta	8.36 41	ePn	Pn	00 04 45.1 +1.8
KARP	Karpathos	3.12 173	P	Pn	00 03 31.3 -0.1	PVO	Paravola	4.03 271	P	Pn	00 03 47.4 +3.5	ALU	Alushta	8.36 41	ePn	Pn	00 06 15.3 -2.1
KARP	Karpathos	3.12 173	P	Pn	00 03 31.3 -0.1	PVO	Paravola	4.03 271	P	Pn	00 03 45.1 +1.2	SIM	Simferopol'	8.40 39	ePn	Pn	00 04 46.7 +2.8
KARP	Karpathos	3.12 173	P	Pn	00 03 31.4 -0.1	PVO	Paravola	4.03 271	P	Pn	00 03 45.1 +1.2	SIM	Simferopol'	8.40 39	ePn	Pn	00 06 17.9 -0.6
AXAR	Agios Charalam	3.14 273	P	Pn	00 03 34.0 +2.3	VAY	Valandovo	4.13 312	i Pn	Pn	00 03 45.3 +0.0	KIS	Kishinev	8.49 10	ePn	Pn	00 04 46.0 +0.8
AXAR	Agios Charalam	3.14 273	P	Pn	00 03 34.0 +2.3	VAY	Valandovo	4.13 312	i Pn	Pn	00 03 45.3 +0.0	KIS	Kishinev	8.49 10	ePn	Pn	00 05 10.8 +0.8
AXAR	Agios Charalam	3.14 273	P	Pn	00 03 32.7 +1.0	VAY	Valandovo	4.13 312	i Pn	Pn	00 03 45.3 +0.0	KIS	Kishinev	8.49 10	ePn	Pn	00 06 21.0 +0.2
KDZ	Kurdzhali	3.15 343	i P	Pn	00 03 31.5 -0.4	RLS	Riolos of Patr	4.13 263	P	Pn	00 03 46.8 +1.5	KIS	Kishinev	8.49 10	ePn	Pn	00 04 46.0 +0.8
BORA	Ekiskehir	3.18 66	i P	Pn	00 03 32.4 0.0	RLS	Riolos of Patr	4.13 263	P	Pn	00 03 46.0 +0.7	KIS	Kishinev	8.49 10	ePn	Pn	00 06 21.0
BORA	Ekiskehir	3.18 66	i P	Pn	00 03 32.4 0.0	RLS	Riolos of Patr	4.13 263	P	Pn	00 03 46.0 +0.7	KIS	Kishinev	8.49 10	ePn	Pn	00 04 47.9 +2.2
THAL	Thalero	3.21 186	P	Pn	00 03 33.5 +1.1	RHS	Riolos of Patr	4.13 263	P	Pn	00 03 48.1 +0.6	CUC	Castroccuo	8.52 282	ePn	Pn	00 04 34.8 -2.8
THAL	Thalero	3.21 186	P	Pn	00 03 33.2 +0.6	KDN	Kadinhani	4.27 90	i P	Pn	00 03 48.5 +1.2	SUDU	Sudak	8.81 42	ePn	Pn	00 06 27.1 -1.5
THAL	Thalero	3.21 186	P	Pn	00 03 33.0 +0.4	KDN	Kadinhani	4.27 90	i P	Pn	00 03 48.5 +1.2	SUDU	Sudak	8.81 42	ePn	Pn	00 04 51.4 +1.9
PSF	Desfina	3.26 267	P	Pn	00 03 32.7 -0.8	PYL	Pylos	4.28 247	P	Pn	00 03 49.8 +2.4	SUDU	Sudak	8.81 42	ePn	Pn	00 06 27.1 -1.5
PSF	Desfina	3.26 267	P	Pn	00 03 32.6 -0.8	PYL	Pylos	4.28 247	P	Pn	00 03 48.4 +1.0	BUR04	Bucovina Ar. S	9.03 354	ePn	Pn	00 04 54.4 +1.7
DSF	Desfina	3.26 267	P	Pn	00 03 32.8 -0.6	PYL	Pylos	4.28 247	P	Pn	00 03 48.4 +1.0	BUR04	Bucovina Ar. S	9.03 354	ePn	Pn	00 04 54.3 +1.7
DSF	Desfina	3.26 267	P	Pn	00 03 31.8 +0.9	PDR	Prodromos	4.30 271	P	Pn	00 03 46.8 -0.8	MMAI	Mai	9.04 311	ePn	Pn	00 06 51.8 -1.3
KORT	Korkueli	3.35 118	i P	Pn	00 03 36.6 +1.9	PDO	Prodromos	4.30 271	P	Pn	00 03 46.8 -0.8	MMAI	Mai	9.04 311	ePn	Pn	00 06 51.8 -1.3
GEVY	SAKARYA_Geyve	3.35 56	i P	Pn	00 03 34.3 -0.3	KPRO	Kipourio	4.32 289	P	Pn	00 03 47.1 -0.5	KPRO	Kipourio	4.32 289	P	Pn	00 06 31.3 -3.4
GEVY	SAKARYA_Geyve	3.35 56	i P	Pn	00 03 34.3 -0.3	KPRO	Kipourio	4.32 289	P	Pn	00 03 50.1 +2.1	KPRO	Kipourio	4.32 289	P	Pn	00 06 31.3 -3.4
BOLV	Bolvadin	3.35 87	P	Pn	00 03 36.2 +1.4	KPRO	Kipourio	4.32 289	P	Pn	00 03 49.1 +1.1	KPRO	Kipourio	4.32 289	P	Pn	00 04 54.5 +1.5
BOLV	Bolvadin	3.35 87	P	Pn	00 03 36.2 +1.4	KPRO	Kipourio	4.32 289	P	Pn	00 03 49.1 +1.1	KPRO	Kipourio	4.32 289	P	Pn	00 04 54.5 +1.5
SOH	Sokhos	3.35 311	i P	Pn	00 03 34.1 -0.6	GVD	Gavdhos	4.33 209	P	Pn	00 03 49.8 +1.7	BLY	Banja Luka	9.35 314	ePn	Pn	00 04 58.1 +1.2
SOH	Sokhos	3.35 311	i P	Pn	00 03 34.1 -0.6	GVD	Gavdhos	4.33 209	P	Pn	00 03 49.8 +1.7	BLY	Banja Luka	9.35 314	ePn	Pn	00 04 58.1 +1.2
AKAS	Kas	3.36 135	i P	Pn	00 03 35.4 +0.6	PGB	Panagyurishte	4.34 335	i P	Pb	00 03 49.8 +1.7	MAEH	Mai	9.34 324	ePn	Pn	00 05 00.8 +0.3
AKAS	Kas	3.36 135	i P	Pn	00 03 35.4 +0.6	PGB	Panagyurishte	4.34 335	i P	Pb	00 03 53.4 -5.3	MAEH	Mai	9.34 324	ePn	Pn	00 05 05.2 +2.8
AKAS	Kas	3.36 135	i P	Pn	00 03 34.5 +0.5	DSL	Diasel	4.38 278	P	Pn	00 03 50.4 +1.7	TRPA	Tarpa	9.94 344	ePn	Pn	00 05 06.9 +1.9
ESKT	Ekiskehir	3.37 74	P	Pn	00 03 34.5 -0.5	DSL	Diasel	4.38 278	P	Pn	00 03 50.4 +1.7	TRPA	Tarpa	9.94 344	ePn	Pn	00 05 06.9 +1.9
SEKT	Ekiskehir	3.37 74	P	Pn	00 03 34.5 -0.5	DSL	Diasel	4.38 278	P	Pn	00 03 49.6 +0.9	TRPA	Tarpa	9.94 344	ePn	Pn	00 05 06.9 +1.9
HORT	Horiatias	3.38 306	P	Pn	00 03 35.8 +0.8	PRD	Provadia	4.58 7	i P	Pn	00 03 51.2 -0.3	PSZ	Piszkesteto	10.49 334	ePn	Pn	00 05 20.3 +7.6
HORT	Horiatias	3.38 306	P	Pn	00 03 35.2 +0.2	FNA	Florina	4.61 299	ePn	Pn	00 03 54.2 +2.5	PSZ	Piszkesteto	10.49 334	ePn	Pn	00 05 20.3 +7.6
HORT	Horiatias	3.38 306	P	Pn	00 03 35.2 +0.2	FNA	Florina	4.61 299	ePn	Pn	00 03 54.2 +2.5	PSZ	Piszkesteto	10.49 334	ePn	Pn	00 05 20.3 +7.6
RZN	Rozhen	3.39 334	i P	Pn	00 03 35.5 +0.2	FNA	Florina	4.61 299	ePn	Pn	00 03 52.6 +0.7	PSZ	Piszkesteto	10.49 334	ePn	Pn	00 05 20.3 +7.6
RZN	Rozhen	3.39 334	i P	Pn	00 03 35.5 +0.2	FNA	Florina	4.61 299	ePn	Pn	00 03 52.6 +0.7	PSZ	Piszkesteto	10.49 334	ePn	Pn	00 05 20.3 +7.6
KSAL	Kastellorizon	3.41 136	P	Pn	00 03 36.5 +1.1	FNA	Florina	4.61 299	ePn	Pn	00 03 52.6 +0.7	PSZ	Piszkesteto	10.49 334	ePn	Pn	00 05 20.3 +7.6
KSAL	Kastellorizon	3.41 136	P	Pn	00 03 36.5 +1.1	FNA	Florina	4.61 299	ePn	Pn	00 03 52.6 +0.7	PSZ	Piszkesteto	10.49 334	ePn	Pn	00 05 20.3 +7.6
AGG	Agios Georgios	3.41 278	P	Pn	00 03 35.5 0.0	FNA	Florina	4.61 299	ePn	Pn	00 03 52.6 +0.7	PSZ	Piszkesteto	10.49 334	ePn	Pn	00 05 20.3 +7.6
AGG	Agios Georgios	3.41 278	P	Pn	00 03 35.5 0.0	FNA	Florina	4.61 299	ePn	Pn	00 03 52.6 +0.7	PSZ	Piszkesteto	10.49 334	ePn	Pn	00 05 20.3 +7.6
AGG	Agios Georgios	3.41 278	P	Pn	00 04 16.6 +0.9	FNA	Florina	4.61 299	ePn	Pn	00 03 52.6 +0.7	PSZ	Piszkesteto	10.49 334	ePn	Pn	00 05 20.3 +7.6
AGG	Agios Georgios	3.41 278	P</														



2012 MAY

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like FRNY Flat Rock, H43A The Farm, Brul, H43A Windswept, Lux, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like D34A Park Rapids, H38A Malden Rock, K43A Burlington, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like DGMT Dagmar, DGMT Dagmar, T48A Bowling Green, etc.

ADC 02 00:12:44.6:3.7,36:23N:70.30E, h180km,26km,mb3.2/8, mb1.3/1.2,mb1mx2.9/7.1,mbimp3.7/1.2, Error ellipse: s-maj=42.6km s-min=19.5km az=146.0

ISCJB 02 00:12:47.4:0.5,36:51N:0:04:70:29E:0:06,h204km, mb3.4/7, Error ellipse: s-maj=7.2km s-min=4.7km az=163.5

NNC 02 00:12:54.1:3.4,37:00N:70:50E,h0km,mb3.9,mpv3.5, Error ellipse: s-maj=28.2km s-min=16.3km az=170.0

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

Table with columns: AAK, Ala-Archa, SNR=6.3, 6.93 27 P, Pn, 00 14 28.6 +0.9, etc.

Table with columns: SUJI, 1.2nm, 0.3s, baz=307, slow=20, SNR=2.5, etc.

Table with columns: AKTO, Aktubynsk, 77.22 326 P, P, 00 27 33.1 -0.9, etc.

ISCJB 02 00:16:08.0-0.2, 8:05S:0:03x116:78E:0.02, h278km, 2km, mb4.3/54, Error ellipse: s-maj=5.6km s-min=3.7km az=10.6

NEIC 02 00:16:09.6-0.4, 8:00S:116:76E, h270km, 3km, mb4.4/19, Error ellipse: s-maj=5.5km s-min=4.2km az=208.0

NEIC Felt [I] at Denpasar. DJA 02 00:16:10.4-0.2, 8:53S:117E, h253km, 3km, M4.8/33, mb5.0/29, mB5.2/20, MLV5.2/33, Mw(mB)4.6/20

IDC 02 00:16:10.1-1.2, 7:96S:116:71E, h270km, 1km, mb4.0/34, mb4.1/137, mb1.9x4.0/56, mb1.6/47, 7.37, Error ellipse: s-maj=11.0km s-min=7.7km az=60.0

ISC 02 00:16:08.6-0.6, 8:10S:05:116:75E:0.04, h260km, 5km, n217, e1943/230, mb4.3/52, 2C, Sumbawa region

XAN Xi'an, 42.56 300 P, P, 00 23 39.2 0.0

XAN Xi'an, 42.56 300 P, P, 00 23 44.0 -0.8

XAN Xi'an, 42.56 300 P, P, 00 23 44.0 +0.2

XAN Xi'an, 42.56 300 P, P, 00 23 58.8 +0.3

XAN Xi'an, 42.56 300 P, P, 00 24 02.4 -0.2

XAN Xi'an, 42.56 300 P, P, 00 24 04.7 -8.6

XAN Xi'an, 42.56 300 P, P, 00 24 04.3 -57

XAN Xi'an, 42.56 300 P, P, 00 24 04.4 -83

XAN Xi'an, 42.56 300 P, P, 00 24 08.3 -0.4

XAN Xi'an, 42.56 300 P, P, 00 24 10.6 +0.6

XAN Xi'an, 42.56 300 P, P, 00 25 40.5 +0.6

XAN Xi'an, 42.56 300 P, P, 00 25 40.5 +0.6

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XAN Xi'an, 42.56 300 P, P, 00 25 40.5 +0.6

AKTO Aktubynsk, 77.22 326 P, P, 00 27 33.1 -0.9

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AKTO Aktubynsk, 77.22 326 P, P, 00 27 33.1 -0.9

AKTO Aktubynsk, 77.22 326 P, P, 00 27 33.1 -0.9

NEIC 02 00:17:06.4-0.0, 38:03S:176:52E, h159km, ML4.0(WEL), After WEL., North Island

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







Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JKO, BS04, JIMZ, JZS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BBL5, BBL5, HAPS, HAPS, etc.

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

ISCJB 02 01:07:11.7.0.6, 41.81N, 0.03:19.33E, 0.03, h1km, 3km, Error ellipse: s-maj=8.0km s-min=2.9km az=20.9

ISCJB 02 01:08:51.0.0.7, 36.28N, 0.05:28.77E, 0.03, h3km, 5km, Error ellipse: s-maj=8.0km s-min=4.4km az=176.7

ISC 02 01:08:51.1.1.2, 36.30N, 0.04:28.76E, 0.02, h7km, 10km, n58, e0711/1, Dodecanese Islands

Code Station Name Az Az' Phase ID Time Res. Includes stations like FETY, FETY, FETY, etc.

Code Station Name Az Az' Phase ID Time Res. Includes stations like ARG, ARG, ARG, etc.

Code Station Name Az Az' Phase ID Time Res. Includes stations like DZM, DZM, DZM, etc.

ISCJB 02 01:07:11.7.0.6, 41.81N, 0.03:19.33E, 0.03, h1km, 3km, Error ellipse: s-maj=8.0km s-min=2.9km az=20.9

ISCJB 02 01:08:51.0.0.7, 36.28N, 0.05:28.77E, 0.03, h3km, 5km, Error ellipse: s-maj=8.0km s-min=4.4km az=176.7

ISC 02 01:08:51.1.1.2, 36.30N, 0.04:28.76E, 0.02, h7km, 10km, n58, e0711/1, Dodecanese Islands

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

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

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

ISC 02 01:18:03.0.8.3, 62S, 131.33E, h0km, mb4.0/9, mb1.4/2.0, mb1mx3.9/47, mbtmp4.0/10, ML3.5/1, MS3.4/2, Ms1.3/4.2, ms1mx2.8/1.5, Error ellipse: s-maj=54.6km s-min=15.8km az=68.0

ISCJB 02 01:18:04.0.0.3, 3.84S, 0.03:131.33E, 0.06, h24km, mb4.2/11, MS3.5/2, Error ellipse: s-maj=8.4km s-min=4.4km az=179.9

ISC 02 02:26:42.1.0.3, 31.73S, 0.03:69.57W, 0.05, h119km, 8km, Error ellipse: s-maj=6.8km s-min=4.6km az=1.7

NEIC 02 01:18:08.7.0.4, 3.67S, 131.44E, h35km, mb4.2/10, Error ellipse: s-maj=11.6km s-min=7.0km az=77.0

DJA 02 01:18:08.7.0.3, 4.54S, 131.1E, h10km, M4.3/6, mb4.6/3, MLv4.1/6

ISC 02 02:26:42.1.0.3, 31.73S, 0.03:69.57W, 0.05, h116km, 14km, n17, e0444/31, 5C-10, San Juan Province

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

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

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



2d 3h

Table with columns: ID, Name, Time, Date, and other details. Includes entries like Songio Array, Inukiv, YKA, YKA, YKA, etc.

2012 MAY

Table with columns: ID, Name, Time, Date, and other details. Includes entries like LANS, ARR, UPC, DRGR, etc.

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Table with columns: ID, Name, Time, Date, and other details. Includes entries like RUGZ, TWGZ, KUZ, WHRZ, etc.







Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like DZM, DZM, DZM, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like MAW, SMCC, LPIG, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like TYV, TYV, TYV, etc.



2d 5h

2012 MAY

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Carcaliu, Mersin, Stebnicka Huta, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like NLAJ, MYLDM, MSAI, AAI, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like MA2, MA2, KURBS, etc.

ISCJB 02 05:23:45.1±0.5, 3.32N, 0.04±125.83E±0.05, h121km, 5km, mb4.6/45, Error ellipse: s-maj=9.0km s-min=5.0km az=156.1

ISC 02 05:23:47.9±0.6, 3.17N, 0.05±125.54E±0.09, h101km, 5km, m100.1±75.118, mb4.7/45, 1C, Talaud Islands

CSEM 02 05:31:26.9±0.1, 37.62N, 28.98E, h10km, ML2.4, Error ellipse: s-maj=3.4km s-min=2.3km az=53.0



452A	Marianna	17.98	22	P	P	06 17 26.2 +2.4
WHTX	Lake Whitney,	18.09	348	ePn	P	06 17 27.6 +2.6
247A	Quitman	18.13	12	P	P	06 17 28.5 +3.0
351A	Pinckard	18.22	21	P	P	06 17 29.0 +2.6
140A	Carn and Jess,	18.28	358	P	Pn	06 17 29.2 +2.1
453A	Whigham	18.32	24	P	Pn	06 17 29.1 +1.6
657A	Interlachen	18.37	32	P	Pn	06 17 29.6 +1.4
143A	Socs Landing,	18.39	4	P	Pn	06 17 30.2 +1.7
249A	Camden	18.41	16	P	Pn	06 17 30.1 +1.5
556A	Lake Butler	18.44	30	P	Pn	06 17 31.3 +2.2
454A	Quitman	18.48	26	P	Pn	06 17 31.0 +1.4
352A	Blakely	18.64	22	P	Pn	06 17 32.7 +1.1
250A	Grady	18.65	18	P	Pn	06 17 33.3 +1.6
353A	Camilla	18.79	24	P	Pn	06 17 35.3 +1.9
147A	Livingston	18.80	12	P	Pn	06 17 35.4 +1.9
Z41A	Richland Creek	18.89	0	P	Pn	06 17 35.9 +1.4
Z41A	Richland Creek	18.89	0	eP	Pn	06 17 35.7 +1.2
Z40A	Long Farm, Mag	18.89	359	P	Pn	06 17 36.1 +1.6
HELX	Santa Helena	19.06	113	eP	Pn	06 17 36.6 +0.7
251A	Midway	19.23	30	P	Pn	06 17 36.5 +0.3
Z44A	Pea Ridge, Bel	19.05	7	P	Pn	06 17 37.7 +1.2
149A	Jones	19.09	16	P	Pn	06 17 38.6 +1.7
TIGA	Tifton	19.12	25	P	Pn	06 17 37.4 +0.1
TIGA	Tifton	19.12	25	eP	Pn	06 17 37.5 +0.1
252A	Lumpkin	19.18	22	P	Pn	06 17 38.8 +0.8
Z46A	Louisville	19.18	10	P	Pn	06 17 39.4 +1.4
Z45A	Winona	19.23	8	P	Pn	06 17 39.9 +1.2
ABTX	Abilene, Hawle	19.23	343	P	Pn	06 17 39.9 +1.1
ABTX	Abilene, Hawle	19.23	343	eP	Pn	06 17 39.4 +0.7
150A	Collected	19.31	18	P	Pn	06 17 40.4 +0.7
WLAR	White Oak Lake	19.31	360	eP	Pn	06 17 40.8 +1.2
Z47A	Carrollton	19.35	13	P	Pn	06 17 40.7 +0.6
LRAL	Lakeview Retre	19.45	15	P	Pn	06 17 41.1 -0.1
LRAL	Lakeview Retre	19.45	15	eP	Pn	06 17 42.6 +1.4
151A	Opelika	19.46	20	P	Pn	06 17 41.5 +0.1
Y42A	Garnett, Star	19.49	3	P	Pn	06 17 43.4 +1.7
CCAR	Cane Creek	19.57	3	eP	Pn	06 17 43.9 +1.2
Z48A	Northport	19.64	14	P	Pn	06 17 44.7 +1.2
Y40A	Okolona	19.64	359	P	Pn	06 17 43.6 +0.1
254A	Abbeville	19.69	25	P	Pn	06 17 43.9 -0.2
Z49A	Columbiana	19.72	16	P	Pn	06 17 43.8 -0.7
Y45A	Yeager Farm, C	19.74	9	P	Pn	06 17 46.0 +1.3
Y46A	Houston	19.87	10	P	Pn	06 17 46.2 0.0
OTAV	Otavallo	20.05	133	eP	P	06 17 48.0 +0.9
357A	Townsend	20.06	30	P	Pn	06 17 46.6 +0.1
X40A	Basin Creek Fa	20.11	0	eP	P	06 17 49.4 +0.5
X41A	Kaden, Bauxite	20.12	1	P	P	06 17 48.3 +1.0
MIAR	Mount Ida	20.18	359	P	Pn	06 17 47.7 -0.2
MIAR	Mount Ida	20.18	359	eP	Pn	06 17 49.2 -0.7
X43A	Marvell	20.23	5	P	Pn	06 17 50.3 -0.2
X43A	Marvell	20.23	5	eP	Pn	06 17 50.3 -0.2
256A	Glennville	20.33	28	P	P	06 17 49.0 -0.5
154A	Montrose	20.35	25	P	P	06 17 48.7 -1.1
OXF	Oxford	20.39	9	eP	Pn	06 17 52.6 +0.1
UALR	University of	20.41	2	eP	Pn	06 17 51.7 -0.9
CLNB	Carlsbad	20.47	333	eP	Pn	06 17 53.4 -0.1
155A	Kite	20.62	26	P	P	06 17 52.9 +0.2
GD2L	Guadalupe Moun	20.64	332	eP	Pn	06 17 55.4 0.0
ROSC	El Rosal	20.65	115	P	Pn	06 17 56.0 0.0
ROSC	El Rosal	20.65	115	eP	Pn	06 17 55.4 -0.6
X47A	Russelville	20.67	12	P	P	06 17 54.3 +1.1
MNTX	Cornudas Mount	20.71	329	P	P	06 17 54.6 +0.8
MNTX	Cornudas Mount	20.71	329	eP	P	06 17 54.8 +1.0
PRAC	Prado	20.72	119	eP	Pn	06 17 55.9 -0.5
X48A	Hartselle	20.78	14	P	P	06 17 55.0 +0.6
W41B	Gary Mavity, V	20.81	2	P	P	06 17 55.7 +1.0
W41B	Gary Mavity, V	20.81	2	eP	P	06 17 56.0 +1.2
W40A	Ferguson Farm,	20.82	360	P	Pn	06 17 56.2 -1.1
W40A	Ferguson Farm,	20.82	360	eP	Pn	06 17 56.4 -0.9
W39A	Magazine	20.83	358	P	Pn	06 17 56.4 -1.1
W39A	Magazine	20.83	358	eP	Pn	06 17 56.7 -0.8
GOGA	Godfrey	20.91	23	P	P	06 17 56.7 +0.9
GOGA	Godfrey	20.91	23	eP	P	06 17 56.8 +0.9
WHAR	Woolly Hollow	20.92	2	eP	Pn	06 17 58.1 -0.4
X49A	Woodville	21.02	16	P	P	06 17 58.1 +1.0
PLAL	Pickwick Lake	21.08	11	eP	P	06 17 59.4 +1.7
HBAR	Harrisburg	21.28	5	eP	P	06 18 01.8 +2.0
RUSC	La Rusia	21.29	111	eP	P	06 18 03.4 +2.9
EPT	El Paso	21.35	327	eP	P	06 18 01.8 +1.0
V41A	Mountainview	21.42	2	P	P	06 18 01.0 -0.4
V40A	Witts Springs	21.43	0	P	P	06 18 00.1 -1.3
V40A	Witts Springs	21.43	0	eP	P	06 18 02.1 +0.7
W47A	Westport	21.43	12	P	P	06 18 01.7 +0.2
V39A	Pettigrew	21.47	359	P	P	06 18 02.4 +0.5
V42A	Cord	21.48	4	P	P	06 18 01.4 -0.5

MSTX	Muleshoe	21.51	337	P	P	06 18 02.6 +0.2
MSTX	Muleshoe	21.51	337	eP	P	06 18 02.5 +0.1
TUL1	Leonard	21.68	354	P	P	06 18 04.3 +0.2
TUL1	Leonard	21.68	354	eP	P	06 18 05.9 +1.9
SWET	Swansea	21.79	16	eP	P	06 18 06.9 +1.6
V46A	Holladay	21.86	11	P	P	06 18 04.8 -1.2
HHAR	Hobbs	21.92	358	eP	P	06 18 08.6 +1.9
AMTX	Amarillo	21.95	341	P	P	06 18 07.8 +0.6
AMTX	Amarillo	21.95	341	eP	P	06 18 07.8 +0.6
U40A	Yellville	21.98	0	P	P	06 18 07.9 +0.6
U41A	Viola	21.98	2	P	P	06 18 08.9 +1.6
V47A	Nunnally	22.00	12	P	P	06 18 10.8 +3.2
U39A	Green Forest	22.01	359	P	P	06 18 09.0 +1.4
NHSC	New Hope	22.07	30	P	P	06 18 09.0 +0.7
NHSC	New Hope	22.07	30	eP	P	06 18 09.8 +1.5
WVT	Waverly	22.24	11	P	P	06 18 11.0 +0.9
WVT	Waverly	22.24	11	eP	P	06 18 11.6 +1.5
PBMO	Poplar Bluff	22.52	5	eP	P	06 18 13.9 +0.9
SDV	Santo Domingo	22.54	101	P	P	06 18 13.0 -0.8
SDV	Santo Domingo	22.54	101	eP	P	06 18 14.9 +1.1
JSC	Jensville	22.56	26	eP	P	06 18 14.1 +0.5
121A	Cookes Peak, D	22.63	326	P	P	06 18 16.3 +1.8
319A	Douglas	22.64	321	eP	P	06 18 16.4 +1.9
T39A	Cleaver	22.65	359	P	P	06 18 14.2 -0.2
T38A	Diamond	22.68	357	P	P	06 18 14.6 -0.3
T41A	Mountain View	22.69	3	P	P	06 18 13.9 -1.0
T42A	Van Buren	22.71	4	P	P	06 18 13.4 -1.7
T40A	Mansfield	22.77	1	P	P	06 18 14.4 -1.4
T43A	Greenville	22.83	6	P	P	06 18 15.0 -1.4
TKL	Tuckaleechee C	22.84	20	P	P	06 18 16.6 +0.1
TKL	Tuckaleechee C	22.84	20	eP	P	06 18 16.6 +0.1
S40A	Lebanon	23.22	1	P	P	06 18 21.5 -0.9
S41A	Jillico Farms,	23.23	3	P	P	06 18 19.0 -1.6
S38A	Stockton	23.26	358	P	P	06 18 19.3 -1.5
KMSC	Kings Mountain	23.27	25	P	P	06 18 18.7 -2.2
KMSC	Kings Mountain	23.27	25	eP	P	06 18 21.4 +0.5
S39A	Bolivar	23.31	359	P	P	06 18 19.8 -1.5
BMM	Brazos Site	23.31	330	eP	P	06 18 23.4 +1.8
Y22D	IRIS PASCALL	23.39	330	eP	P	06 18 24.1 +1.8
LPM	Los Pinos Moun	23.45	331	eP	P	06 18 24.4 +1.6
S42A	Caledonia	23.47	4	P	P	06 18 19.8 -3.0
SIUC	Southern Illin	23.57	8	eP	P	06 18 25.9 +2.0
CCM	Cathedral Cave	23.72	3	P	P	06 18 23.1 -2.2
CCM	Cathedral Cave	23.72	3	eP	P	06 18 24.4 -0.9
CCM	Cathedral Cave	23.72	3	eP	P	06 18 24.5 -0.8
L3AZ	Ladron	23.76	330	eP	P	06 18 26.9 +0.9
R38A	Fenwick Farm,	23.82	358	P	P	06 18 24.7 -1.5
ANMO	Albuquerque	23.89	332	P	P	06 18 26.9 -0.2
ANMO	Albuquerque	23.89	332	eP	P	06 18 27.2 +0.2
R40A	Maddies Stato	23.92	1	P	P	06 18 25.6 -1.5
R39A	Chubby, Stover	23.93	360	P	P	06 18 25.5 -1.7
R41A	Rosebud	23.96	3	P	P	06 18 25.7 -1.7
R42A	Luebbering	23.98	4	P	P	06 18 25.7 -2.0
R43A	Red Bud	24.05	6	P	P	06 18 26.3 -2.0
TUC	Tucson	24.02	321	eP	P	06 18 31.1 +1.2
WCI	Wyandotte Cave	24.57	13	eP	P	06 18 34.8 +1.7
Q38A	Cooks Store, C	24.58	359	P	P	06 18 31.2 -2.0
Q41A	Truxton	24.62	3	P	P	06 18 32.7 -0.9
Q40A	Lux Farm, Aux	24.62	2	P	P	06 18 31.9 -1.7
Q39A	Willow Grove F	24.66	0	P	P	06 18 32.5 -1.5
Q43A	New Douglas	24.73	6	P	P	06 18 32.8 -1.7
T25A	Trinidad	24.93	338	P	P	06 18 38.3 +1.7
T25A	Trinidad	24.93	338	eP	P	06 18 39.1 +2.4
MHTCO	State Highway	25.02	337	eP	P	06 18 39.5 +1.9
P39B	Salisbury	25.10	0	P	P	06 18 36.6 -1.4
CBKS	Cedar Bluff	25.15	348	P	P	06 18 37.4 -1.0
CBKS	Cedar Bluff	25.15	348	eP	P	06 18 38.6 +0.3
P40A	Paris	25.16	2	P	P	06 18 36.4 -2.0
P37A	Lathrop	25.23	358	P	P	06 18 37.1 -2.0
P38A	Dawn	25.24	359	P	P	06 18 36.9 -2.3
P42A	Winchester	25.31	5	P	P	06 18 37.8 -1.9
X18A	Snowflake	25.32	326	eP	P	06 18 41.8 +1.7
P41A	Berry, Barry	25.35	3	P	P	06 18 38.0 -2.1
ATAH	Atahualpa	25.75	145	LR	LR	06 27 48.1
O40A	La Belle	25.75	2	P	P	06 18 40.1 -3.7
SDCO	Great Sand Dun	25.87	337	P	P	06 18 46.1 +0.8
SDCO	Great Sand Dun	25.87	337	eP	P	06 18 46.9 +1.6
SJG	San Juan	26.05	78	LR	LR	06 30 06.8
KSCO	Kaye Shedlock	26.05	343	P	P	06 18 46.8 +0.1
KSCO	Kaye Shedlock	26.05	343	eP	P	06 18 48.1 +1.3
X16A	Lo Mia Camp, P	26.07	323	eP	P	06 18 48.4 +1.4
S22A	4UR Ranch, Cre	26.40	335	eP	P	06 18 50.4 +0.4
S22A	4UR Ranch, Cre	26.40	335	eP	P	06 18 52.1 +2.1
N38A	Joe South For	26.41	360	P	P	06 18 48.3 -1.4
N39A	Derby Farms, D	26.50	1	P	P	06 18 48.5 -2.0
Y14A	Wickenburg	26.67	321	eP	P	06 18 53.5 +1.2

MVCO	Mesa Verde	26.68	332	P	P	06 18 53.1 +0.5
MVCO	Mesa Verde	26.68	332	eP	P	06 18 54.1 +1.6
WUAZ	Wupatki	26.83	325	eP	P	06 18 55.1 +1.2
M38A	Pleasantville	27.03	360	P	P	06 18 53.9 -1.4
PV01	Paradox Valley	27.47	333	eP	P	06 19 00.4 +0.7
PV15	Paradox Valley	27.61	333	eP	P	06 19 02.2 +1.3
SMCO	Snowmass	27.69	336	eP	P	06 19 02.8 +1.0
PV03	Paradox Valley	27.70	332	eP	P	06 19 03.4 +1.8
L40A	Anamosa	27.72	3	P	P	06 19 00.4 -1.1
ISCO	Idaho Springs	27.73	339			







Table with columns: Station Name, Time, Azimuth, Phase, and various parameters. Includes stations like LKR, LKR, AXAR, AXAR, AXAR, etc.

Table with columns: Station Name, Time, Azimuth, Phase, and various parameters. Includes stations like TLB, TLB, TLB, TLB, TLB, etc.

Table with columns: Station Name, Time, Azimuth, Phase, and various parameters. Includes stations like PRK, PRK, PRK, PRK, PRK, etc.

2d 6h

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Table with multiple columns containing station names, call signs, frequencies, and other technical details. The table is organized into several vertical sections, each starting with a station name and call sign. It includes various technical specifications such as power, modulation, and frequency offsets. The data is presented in a structured, tabular format for easy reference.









Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ARR Arges, VOIR, GRUS, PLOP, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LTZ Lake Taylor, OKCZ Okains Bay, DSZ Denniston Nort, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KURK Kurchatov, STKA Stephens Creek, ZALV Zalesovo Beam, etc.

DDA 02 07:12:28.1, 40'02N:30'03E, h7km, ML2.5

ISCJB 02 07:12:37.3, 39'57N:29'37E, h19km, ML2.0/4

CSEM 02 07:12:38.2, 0.1, 39'62N:29'41E, h12km, ML2.0, Error ellipse: s-maj=11.2km s-min=5.2km az=172.1

ISC 02 07:12:38.0, 0.3, 39'62N:29'41E, h12km, ML2.0, Error ellipse: s-maj=3.5km s-min=2.6km az=81.0

ISC 02 07:12:38.0, 0.3, 39'62N:29'41E, h12km, ML2.0, Error ellipse: s-maj=3.5km s-min=2.6km az=81.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TVSB Tavsani, GDZ Gediz, DURS Dursunbey, etc.

DJA 02 07:25:49.2, 0.9, 8'S:9'12'3E, h232km, g8km, M3.6/6, ML3.6/6, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MMRI Maumere, EDFI Ende Flores, SOEI, etc.

NEIC 02 07:42:08.9, 0.0, 44'55S:168'18E, h84km, ML3.9(WEL), After WEL

NEIC Felt at Queenstown. WEL 02 07:42:09.1, 45'S:2'16'E, h83km, g6km, South Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MSZ Milford Sound, WKZ Wanaka, JCY Jackson Bay, etc.

IDC 02 08:23:42.8, 3.2, 7'02S:128'96E, h181km, g7km, mb3.2/2, mb1 3.5/5, mb1mx3.1/49, mbtmp3.9/5, Error ellipse: s-maj=81.3km s-min=26.0km az=38.0, Banda Sea

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

NNC 02 08:28:52.4, 3.7, 37'15N:70'75E, h0km, mb3.9, mpv3.5, 7C-3D, Error ellipse: s-maj=30.1km s-min=26.0km az=138.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SFK Suft-Kurgan, MNAS Manas, KK31 Karatay Array, etc.

IDC 02 08:35:03.1, 0.9, 1'05N:97'09E, h0km, mb4.1/12, mb1 4.1/14, mb1mx3.9/63, mbtmp4.1/14, ML3.9/1, MS3.4/5, Ms1 3.4/5, ms1mx2.9/63, Error ellipse: s-maj=27.7km s-min=15.5km az=51.0

ISCJB 02 08:35:04.7, 0.5, 1'08N:0'06E:97'06E:0'06, h25km, mb4.3/14, MS3.4/5, Error ellipse: s-maj=10.0km s-min=5.9km az=136.0

DJA 02 08:35:04.5, 1.4, 1'N:4'9'E, h18km, 10km, M4.5/10, mb4.9/2, mb4.6/5, MLV4.4/10, Mw(mb)4.2

NEIC 02 08:35:07.9, 1.6, 1'10N:97'13E, h33km, 10km, mb4.2/3, Error ellipse: s-maj=12.2km s-min=6.2km az=53.0

ISC 02 08:37:07.0, 0.7, 1'11N:0'07E:97'08E:0'08, h25km, n52, o580/43, mb4.2/14, MS3.4/3, Northern Sumatera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GSI Gunungsitoli, PBTI Kotacane, PSI Prapa, etc.

ISCJB 02 08:48:33.8, 0.9, 1'44N:0'03E:79'24W:0'04, h9km, 7km, mb3.5/6, MS2.7/1, Error ellipse: s-maj=8.2km s-min=4.6km az=90.9

RSNC 02 08:48:34.0, 0.9, 1'33N:79'19W, h0km, 11km, ML3.5

IGQ 02 08:48:35.4, 0.8, 1'N:8'7'9W, h8km, MLV4.2/3

IDC 02 08:48:37.2, 3.2, 1'55N:79'44W, h52km, 32km, mb3.7/2, mb1 3.6/10, mb1mx3.4/45, mbtmp3.6/10, ML2.8/3, MS2.7/4, Ms1 2.7/4, ms1mx2.6/22, Error ellipse: s-maj=28.4km s-min=17.9km az=67.0

ISC 02 08:48:32.4, 1.7, 1'35N:0'04E:79'26W:0'06, h3km, 11km, n49, i977/55, mb3.5/6, 1D, Near coast of Ecuador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TUMC Tumaco, LITE1 Lita, URCU Urcuqui, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TURN, BODT, BODT, DENIZLI Tavass, etc.

ISC/JB 02:08:55:25.0, 0.3, 2.5N; 0.07x126.53E; 0.07, h53km, m-b=0.5, MS2.5/1, Error ellipse: s-maj=11.1km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SGGSI, SGGSI, LBMJ, SANI, etc.

ISC 02:08:55:27.1, 0.9, 3.27N; 0.08x126.52E; 0.09, h53km, n15, 0.679/20, mb4.0/5, Talaud Islands

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

ISC 02:09:00:44.9, 37.87N; 38.93E, h15km, ML2, 1/4

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

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

ISC 02:09:12:26.4, 1.5, 2.4; 85S; 70.43W, h0km, mb3.6/4, mb1 3.8/6, mb1mx3.6/38, mbtm3.6/6, ML3.8/2, Error ellipse: s-maj=44.5km, s-min=32.2km, az=2.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PB14, IPOC Station P, GO02, Mina Guanaco, etc.

ISC 02:09:14:20.3, 14.0, 2.19N; 97.61E, h143km, 84km, mb3.2/4, mb1 3.3/4, mb1mx2.9/68, mbtm3.6/4, Error ellipse: s-maj=293.8km, s-min=21.6km, az=55.0, Northern Sumatra

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

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

ISC 02:09:12:26.4, 1.5, 2.4; 85S; 70.43W, h0km, mb3.6/4, mb1 3.8/6, mb1mx3.6/38, mbtm3.6/6, ML3.8/2, Error ellipse: s-maj=44.5km, s-min=32.2km, az=2.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SAUI, Saumlaki, RMQ, Roma, SIJI, etc.

2d 9h

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like CN2 Changchun, SKR Severo-Kuril's, XAN Xi'an, etc.

2012 MAY

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like JIRN Jiri, MOY MOY, GUN Gumba, etc.

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Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like EKS2 Erkin-Say, EGAK Eagle, DAWY Dawson, etc.

NIED 02 09:24:00, 40:90N, 145:10E, h5km, Mw3.4 Best double
Code: M0.142000x1014 NP1.8x223.00000, 846.00000,
lambda=106.00000, NP2.8x65.00000, 847.00000,
lambda=7.4, 000000.

JMA 02 09:24:31.0, 0.2, 40:86N, 145:14E, h63km, 3km, M3.5, Off

Table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, and other details. Includes stations like JEM Erimo, JAK Akkeshi, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Stephens Creek, Storozhevoje, Keskin Array B, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KSP Ksiaz, MOA Mollin, WTTA Wattenberg, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AKH Akhalkalaki, DBAD BNR=23, MAZI Mazidag, etc.

ISCJB 02 10:00:47.9; 1.6, 50; 18N; 0.05; 12.7E; 0.1, h0km, Error ellipse: s-maj=8.2km s-min=2.9km az=45.0, 26 km E of Kingsthal Suspected Mining explosion.

ISCJB 02 10:57:23.0; 0.4, 21; 84N; 0.04; 94.32E; 0.05, h64km, mb3.9/9, Error ellipse: s-maj=7.7km s-min=3.6km az=136.4





2d 11h

Table with columns: L2/LP, Paz, 18.82 303 LR, 11 45 34.3, etc. Lists various seismic stations and their coordinates.

2012 MAY

Main table of seismic events with columns: SIGR, SIGRI, 0.83 311 P, 11 37 23.9 -0.6, etc. Lists event details including magnitude, time, and location.

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Table of seismic stations with columns: PTL, PTL, 2.28 255 P, 11 37 44.0 -1.7, etc. Lists station names, coordinates, and other details.

DDA 02 11:37:06.9, 38°66'N-26°62'E, h28km, M3.9

IASPEI 02 11:37:08.0, 38°67'N-26°61'E, h13km, 2km, Error ellipse: s-maj=2.1km s-min=2.0km az=172.5

IASPEI 02 11:37:08.0, 38°67'N-26°67'E, h0km, 6km, Error ellipse: s-maj=3.0km s-min=2.2km az=98.0, G75 selection from ISC bulletin G75 identified by Bond 'jr and McLaughlin (2009) selection criteria Bond 'jr and McLaughlin. A new ground truth data set for seismic studies, <->Seism. Res. Let. <->, <b>80</b><->, 465-472, 2009

NEIC 02 11:37:07.0, 38°65'N-26°64'E, h5km, ML3.9(DDA), ML4.0(ISK), After ISK.

ATH 02 11:37:07.5, 38°66'N-26°65'E, h29km, 1km, ML3.8/7, Error ellipse: s-maj=2.6km s-min=1.0km az=268.0

ISK 02 11:37:07.5, 38°67'N-26°66'E, h6km, ML4.0/36

CSEM 02 11:37:08.3, 38°65'N-26°63'E, h10km, ML4.0, Error ellipse: s-maj=2.0km s-min=1.8km az=57.0

THE 02 11:37:09.0, 38°66'N-26°58'E, h16km, ML3.5/12, Error ellipse: s-maj=1.0km s-min=0.4km az=258.0

ISC 02 11:37:08.5, 38°66'N-26°66'E, h0km, 5km, n345, r134/412, 13C-12D, Aegean Sea

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists station details and event parameters.

Table with columns: PTL, PTL, 2.28 255 P, 11 37 44.0 -1.7, etc. Lists station details and event parameters.

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

ISC/JB 02 12:02:48.8:0.8, 4.96N:0.08:118.6E:0.1, h10km, mb3.6/6, MS2.6/2, Error ellipse: s-maj=17.5km s-min=9.2km az=157.0

IDC 02 12:02:48.6:1.2, 5.96N:120.72E, h0km, mb3.7/6, mb1.3, 9.6, mb1mx3.5, 6.3, mbtrp3.7, MS2.8, h1s1.2, 9.4, ms1mx2.6/67, Error ellipse: s-maj=111.2km s-min=18.2km az=58.0

DJA 02 12:02:51.0:1.0, 3.5N:3.11E, h10km, M4.2/3, mB4.7/2, mB4.8/3, MLV3.9/2, Mw(mB)4.0/2

ISC 02 12:02:50.8:1.2, 5.0N:0.1:118.6E:0.1, h10km, n18, a129/15, mb3.6/6, Borneo

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

CSEM 02 12:08:09.9:0.3, 36.47N:2.66W, h16km, 2km, ML3.7/9, Error ellipse: s-maj=5.9km s-min=4.0km az=133.0

MDD 02 12:08:11.4:0.4, 36.49N:2.63W, h10km, mblq3.2/19, Error ellipse: s-maj=4.2km s-min=2.7km az=126.0, PRXIMO

MDD EMS: II INTENSIDAD MAXIMA. SFS 02 12:08:11.0:36.50N:2.63W, h0km, ML3.1

INMG 02 12:08:11.3:3.0, 36.48N:2.64W, h15km, 7km, ML2.6, Error ellipse: s-maj=4.9km s-min=3.4km az=106.0

IGIL 02 12:08:11.6:36.50N:2.64W, h10km, ML2.5

ISC 02 12:08:10.2:1.1, 36.39N:0.03:2.60W:0.03, h28km, 12km, n73, a192/99, 6C-2D, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EBER, EBOR, EALB, ENIJ, etc.

Main table with columns: EQU, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EMLI, EMEL, MELI, MELG, etc.

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



KPJ	Karang Pucung	54.94 316	P	P	12 27 30.9	+0.6
TTSI	Tana Toraja	55.09 330	P	P	12 27 31.6	+0.2
CISI	Cisompet, Garu	55.20 314	P	P	12 27 33.5	+1.2
CISI	Cisompet, Garu	55.20 314	eP	P	12 27 31.6	-0.7
LBM	Labuan	55.50 340	P	P	12 27 35.5	+1.1
LEM	Lembang	55.94 314	P	P	12 27 37.7	-0.1
LEM	comp-Z,217nm,1.1s,baz=161,slow=8,2,SNR=38					
LEM	comp-Z,4um,21.9s,baz=159,slow=32					
KBK	Kotabaru	55.99 326	P	P	12 27 38.1	+0.2
LWU	Luwuk	56.19 334	P	P	12 27 39.4	+0.1
LWU	Luwuk	56.19 334	eP	P	12 27 39.5	+0.1
COCO	comp-Z,172nm,1.0s					
COCO	West Island	56.22 300	PFAKE	LR	12 27 50.0	+1.0
DBJ	Dramaga	56.55 314	P	P	12 27 43.3	+1.4
APSI	Ampana	56.61 333	P	P	12 27 42.0	-0.3
TNTI	Ternate	56.90 340	eP	P	12 27 42.6	-1.7
CGJI	Cibinong	56.94 312	P	P	12 27 44.6	-0.1
PCI	Palu	57.12 331	P	P	12 27 46.5	+0.6
SBJI	Serang	57.20 313	P	P	12 27 48.7	+2.2
KMSI	Cibinong	57.45 336	P	P	12 27 48.5	+0.3
TBI	Tubuai	57.65 85	eS	S	12 35 41.1	-6.6
TBI	comp-Z,1um,30.2s					
TBI	comp-Z,4um,26.5s					
TBI	comp-Z,4um,28.5s,baz=209					
MRSI	Marisa	57.87 333	P	P	12 27 50.4	-0.8
PBKI	Pangkalan Bun	58.11 321	P	P	12 27 53.0	+0.1
MPSI	Mapaga	58.29 331	P	P	12 27 53.7	-0.4
KASI	Kota Agung	58.43 312	P	P	12 27 55.0	-0.2
MTKI	Muara Tewa, K	58.62 325	P	P	12 27 56.3	-0.2
LWLI	Liwa	59.08 312	P	P	12 27 59.6	-0.2
MDSI	Maura Dua	59.50 312	P	P	12 28 02.2	-0.4
TARA	Tarawa	60.58 33	PFAKE	LR	12 28 20.0	+1.0
TARA	comp-Z,286nm,21.0s					
STKI	Sintang	60.74 322	P	P	12 28 10.0	-1.1
MASI	Maura Aman, Be	61.55 311	P	P	12 28 17.1	+0.5
PPT2	Papeete2	62.09 81	eS	S	12 36 42.7	-2.5
PPT2	comp-Z,2um,27.5s					
PPT2	comp-Z,1.1um,29.2s					
PPT2	comp-Z,4um,23.5s,baz=219					
PPT	Papeete	62.11 81	LR	LR	12 50 43.9	
PPT	comp-Z,2um,19.7s,baz=221,slow=32					
PALU	Palau	62.24 349	P	P	12 28 19.9	-1.3
PALU	baz=63,SNR=15					
TIAR	Tiarei	62.25 81	eP	P	12 28 21.7	+0.4
PATS	Pohnpei	62.33 16	P	P	12 28 22.7	+0.9
PATS	baz=63,SNR=3.7					
PATS	Pohnpei	62.33 16	eP	P	12 28 22.9	+1.1
PATS	comp-Z,59nm,1.1s					
SBUM	Sibu	62.70 323	eP	P	12 28 23.6	-0.7
SBUM	comp-Z,22nm,0.9s					
KRJI	Kerinci	62.83 310	P	P	12 28 24.9	-0.4
PPSI	Pulau Pagai	62.88 309	P	P	12 28 26.2	+0.7
DSRI	Dabo	62.93 314	P	P	12 28 26.2	+0.4
MYLDM	Lahad Datu	63.30 331	eP	P	12 28 28.7	+0.5
MYLDM	comp-Z,69nm,1.1s					
DAV	Davao City (W)	63.39 339	LR	LR	12 56 00.7	
DAV	comp-Z,1um,21.2s,baz=154,slow=36					
DAV	Davao City (W)	63.39 339	eP	P	12 28 28.0	-0.8
TPRI	Tanjung Pinang	64.22 315	P	P	12 28 35.3	+1.0
PDSI	Padang	64.32 310	P	P	12 28 34.0	-1.1
SISI	Saiba	64.57 308	P	P	12 28 38.6	+1.9
KKM	Kota Kinabalu	64.78 329	eP	P	12 28 36.9	-1.2
KKM	comp-Z,15nm,0.9s					
KKM	comp-Z,3um,20.0s					
BKNI	Bangka	65.17 311	eP	P	12 28 38.8	-1.8
MYKOM	Kota Tinggi	65.28 315	eP	P	12 28 39.8	-1.5
MNSI	Mandailing Nat	65.28 314	P	P	12 28 45.7	-1.7
RKT	Rikitee	66.24 97	eS	S	12 37 32.9	-3.5
RKT	comp-Z,448nm,25.5s					
RKT	comp-Z,6um,34.2s					
RKT	comp-Z,2um,34.2s					
RKT	comp-Z,4um,32.2s					
GSI	Gunungsitoli	67.59 308	P	P	12 28 56.1	+0.1
GSI	Gunungsitoli	67.59 308	eP	P	12 28 56.1	+0.1
GSI	comp-Z,61nm,0.7s					
GUMO	Guam	67.91 1	P	P	12 28 56.8	-1.1
GUMO	comp-Z,223nm,1.2s,baz=213,slow=9,SNR=11					
GUMO	comp-Z,766nm,20.9s,baz=181,slow=35					
GUMO	Guam	67.91 1	eP	P	12 28 58.1	+0.1
GUMO	comp-Z,252nm,1.1s					
PSI	Prapat	68.31 310	eP	P	12 28 58.3	-2.4
PSI	comp-Z,36nm,1.0s					
PSI	Prapat	68.31 310	eP	P	12 28 58.3	-2.4
PSI	comp-Z,36nm,1.0s					
IPM	Ipo	68.89 313	eP	P	12 29 04.0	-0.3
IPM	comp-Z,44nm,1.0s					
TPTI	TPTI	69.50 309	P	P	12 29 08.6	+0.6
KULM	Kulim	69.78 313	eP	P	12 29 08.2	-1.5
KULM	comp-Z,85nm,1.1s					
KULM	comp-Z,3um,21.0s					
MLSI	Meulaboh, Aceh	70.74 309	P	P	12 29 15.4	-0.2
MLSI	comp-Z,213nm,1.1s,comp-Z,3um					
TGY	Tagaytay City	71.22 336	LR	LR	13 01 42.1	
TGY	comp-Z,535nm,20.1s,baz=178,slow=37					
SKLT	Songkhla	71.49 314	P	P	12 29 19.0	-1.1
SKLT	comp-Z,74nm,1.5s,comp-Z,1um					
HOPE	Hope Point	71.49 180	PFAKE	LR	12 29 30.0	+1.0
HOPE	comp-Z,2um,20.0s					
RER	Riviere de l'E	72.15 259	PFAKE	LR	12 29 30.0	+5.7
RER	comp-Z,5um,22.0s					
BSI	Banda Aceh	72.33 308	P	P	12 29 24.9	-0.3
BSI	comp-Z,53nm,1.2s,comp-Z,1um					
EFI	East Falkland	72.49 166	PFAKE	LR	12 29 40.0	+1.4
EFI	comp-Z,3um,22.0s					
PKDT	Phuket	73.11 312	P	P	12 29 39.2	+9.4
H0S2	Diego Garcia H	73.23 281	T	T	13 49 32.0	
H0S2	baz=144,slow=76,SNR=128					
H0S1	Diego Garcia H	73.24 281	T	T	13 49 33.1	
H0S1	baz=144,slow=76,SNR=86					
H0S3	Diego Garcia H	73.25 281	T	T	13 49 35.0	
H0S3	baz=144,slow=76,SNR=114					
TAOE	Nuku Hiva Isla	74.52 83	eS	S	12 39 08.9	-4.5
TAOE	comp-Z,810nm,26.7s					
TAOE	comp-Z,756nm,29.1s					
TAOE	comp-Z,2um,25.9s					
TAOE	comp-Z,4um,22.9s,baz=224					
H08N1	Diego Garcia H	75.13 280	T	T	13 51 48.5	
H08N1	baz=140,slow=76					
H08N3	Diego Garcia H	75.14 280	T	T	13 51 51.7	
H08N3	baz=140					
H08N2	Diego Garcia H	75.16 280	T	T	13 51 52.4	
H08N2	baz=140,slow=76					
WAKE	Wake Island	76.05 22	PFAKE	LR	12 30 00.0	+1.3
WAKE	comp-Z,1um,21.0s					
RPN	Rapa Nui	77.19 119	LR	LR	12 56 01.3	
RPN	comp-Z,3um,20.4s,baz=198,slow=30					
ABPO	Ambohipanom	78.67 253	eP	P	12 30 03.8	+2.0
ABPO	comp-Z,58nm,1.1s					
ABPO	comp-Z,1um,20.0s					
ABPO	Ambohipanom	78.67 253	eP	P	12 30 03.8	+2.0
ABPO	comp-Z,58nm,1.1s					
ABPO	comp-Z,1um,20.0s					
QIZ	Qiongzong	78.99 327	P	P	12 30 04.6	+1.5
QIZ	comp-Z,1um,20.0s					
QIZ	comp-Z,500nm,19.6s					
QIZ	comp-Z,820nm,25.5s					

QIZ	comp-Z,2um,27.0s					
QIZ	Qiongzong	78.99 327	eP	P	12 30 03.2	0.0
QIZ	comp-Z,49nm,1.4s					
OPO	Ambohioratempo	79.05 254	P	P	12 30 05.0	+1.1
OPO	comp-Z,4.4nm,0.8s,baz=212,slow=5.8,SNR=4.5					
OPO	comp-Z,2um,18.4s,baz=153,slow=32					
TPUB	Ta-pu	80.18 338	eP	P	12 30 07.4	-2.1
TPUB	comp-Z,5.4nm,1.1s					
DGPR	DIGLIPUR	80.19 310	eP	P	12 30 09.1	-0.6
DGPR	comp-Z,2um,24.0s					
PLCA	Paso Flores	80.49 154	P	P	12 30 11.3	0.0
PLCA	comp-Z,7.1nm,0.9s,baz=225,slow=6.6,SNR=8.0					
PLCA	Paso Flores	80.49 154	eP	P	12 30 11.0	-0.4
PLCA	comp-Z,1.6nm,1.1s					
SSLB	Suangleung	80.58 338	eP	P	12 30 10.1	-1.6
SUR	Sutherland	80.66 226	eP	P	12 30 14.0	+1.5
SUR	comp-Z,7.4nm,1.0s					
SUR	comp-Z,7um,19.0s					
PALK	Pallekele	81.06 296	P	P	12 30 16.0	+1.4
JOHN	Johnston Island	81.21 44	PFAKE	LR	12 30 30.0	+1.5
JOHN	comp-Z,240nm,20.0s					
YHNB	Yeheng	81.34 339	PFAKE	LR	12 30 30.0	+1.4
YHNB	comp-Z,1um,22.0s					
JCJ	Chichijima	81.36 358	LR	LR	13 03 57.4	
JCJ	comp-Z,644nm,20.9s,baz=127,slow=34					
BOSA	Boshof	81.97 231	P	P	12 30 18.3	-1.1
BOSA	comp-Z,14nm,0.9s,baz=151,slow=3.2,SNR=11					
BOSA	Boshof	81.97 231	eP	P	12 30 18.3	-1.1
BOSA	comp-Z,20nm,0.9s					
BOSA	Boshof	81.97 231	P	P	12 30 18.3	-1.1
BOSA	comp-Z,12nm,0.9s					
QZH	Quanzhou	82.22 337	eP	P	12 30 19.8	-0.5
QZH	comp-Z,3um,19.0s,baz=128,slow=32					
QZH	comp-Z,580nm,17.7s					
QZH	comp-Z,720nm,22.2s					
JOW	Jonkang	82.24 346	LR	LR	13 06 11.2	
JOW	comp-Z,811nm,20.7s,baz=172,slow=35					
CMAR	Chiang Mai Arr	82.36 317	P	P	12 30 20.6	-0.5
CMAR	comp-Z,14nm,1.2s,baz=177,slow=3.7,SNR=47					
CMAR	Chiang Mai Arr	82.36 317	P	P	12 30 20.7	-0.5
CMAR	comp-Z,3um,19.9s,baz=176,slow=35					
CMAR	comp-Z,9.0nm,1.1s					
CMAR	comp-Z,3um,19.9s					
CHTO	Chiang Mai	82.68 317	P	P	12 30 22.3	-0.6
CHTO	comp-Z,148nm,1.6s,comp-Z,4um					
CHTO	Chiang Mai	82.68 317	eP	P	12 30 21.7	-1.2
CHTO	comp-Z,26nm,0.8s					
CHTO	comp-Z,2um,20.0s					
CHTO	Chiang Mai	82.68 317	eP	P	12 30 21.7	-1.2
CHTO	comp-Z,26nm,0.8s					
LBTB	Lobatse	84.89 233	eP	P	12 30 34.2	-0.3
LBTB	comp-Z,2um,20.0s					
TROA	Torquait	85.02 160	eP	P	12 30 34.1	-0.7
TROA	comp-Z,17nm,1.0s					
TROA	comp-Z,2um,22.0s					
GUYA	Guiyang	86.94 327	P	P	12 30 43.2	-1.1
GUYA	comp-Z,40nm,1.0s					
GUYA	comp-Z,130nm,5.4s					
KMI	Kunming	87.02 323	P	P	12 30 46.1	+2.3
KMI	comp-Z,2um,28.1s					
KMI	comp-Z,2um,28.1s					
SKHT	Srikalahasti	87.04 299	eP	P	12 30 44.0	-0.9
JHJ	Hachijo jima 2	87.43 356	LR	LR	13 07 24.2	
JHJ	comp-Z,1um,20.3s,baz=103,slow=34					
JNU	Nakatsubo	88.11 349	LR	LR	13 08 14.0	
JNU	comp-Z,511nm,21.1s,baz=160,slow=34					
SAIH	SAIHA	88.40 314	eP	P	12 30 49.7	-1.7
WHN	WHN	88.61 335	eP	P	12 30 51.5	-0.5
WHN	comp-Z,2um,17.8s					

2d 12h

Table with columns for call sign, frequency, name, and status. Includes stations like GTA, YSS, SPB, MBAR, SMLA, LPAZ, TYV, SHEL, HIA, ULN, NIL, SONM, PET, KSH, TLY, KNGR, SAML, AAK, FRU, MKAR, MKAR, RAYN, MA2, DGZ, BOD, ASCN, OTAV, KKAR, YAK, YAK, GEYT, KRAR, KURBB, KURBB, KURK, KURK, ZALV, RCBR, NVS, JTS, PTGA, BFSC, ZAIG, PFO, PFO, EDWZ, ISG, BC3, HEC, BCIP, IRM, CWC, GMRC, KDAK, BVAR, BILL, BILL, BILL, BILL, BILL.

2012 MAY

Table with columns for call sign, frequency, name, and status. Includes stations like BRVK, SHOC, LDFC, N02D, GRAC, M02C, TUC, L02D, YBH, NVAR, TPNV, PAHR, HUMO, M04C, ABKAR, J04D, MOD, R11A, R11A, R12A, TXAR, WUAZ, WUAZ, J05D, BMN, CCUT, TIXI, TIXI, GNI, GNI, SDV, SDV, SDV, AKTO, AKTO, WWOR, WWOR, MAK, MAK, MAK, SML, SML, LAZ, GD2L, MSU, MSU, 833A, LPM, KVTX, TRF, BRAW, ANMO, ANMO, ANMO, DUG, DUG, DUG, NLU, MCK, MCK, TMUT, ZEI, MVCO, MVCO, BGU, MPU, SRU, MFID, JCT, JCT, JCT, HAWA, HAWA, BMO, BMO, TORO, TORO.

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Table with columns for call sign, frequency, name, and status. Includes stations like CSS, CSS, CTU, PV04, PV01, JLU, HUU, WRAK, WRAK, NEY, MSTX, MSTX, HLID, HLID, COLA, COLA, KBZ, KBZ, KBZ, SVE, SVE, ILAR, ILAR, ILAR, HWUT, HWUT, HWUT, S22A, KVAR, KIV, KIV, KIV, KIV, ARU, ARU, ARU, ARU, ARU, ARU, ARU, ARU, ABTX, ABTX, ABTX, SDCO, SDCO, O20A, O20A, O20A, AMTX, AMTX, AMTX, WHTX, WHTX, WHTX, MTJD, MTJD, EGAK, EGAK, BWO6, BWO6, PDAR, PDAR, PDAR, ISCO, ISCO, ISCO, LRM, BRTR, BRTR, H17A, WMOK, WMOK, WMOK, ANTO, ANTO, ANN, ANN, ANN, K22A, RLMT.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like RLMT, GTTY, BBGH, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like YKA, YKA, 155A, GOGA, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like LVV, J42A, E37A, etc.



Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like Ann Arbor, Flat Rock, Mojave, etc.

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like Berggiesshubel, Spitzbergen, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like Kuril'sk, Yuzh-Sakhalin, etc.

SKHL 02 12:20:31.5, 0.7, 48.04N:147.85E, h412km, 20km, mb4.6/5, msh5.1/5

MOS 02 12:20:32.5, 1.2, 48.02N:147.63E, h415km, mb4.0/2, Error ellipse: s-maj=25.7km s-min=10.4km az=75.9

ISC 02 12:20:33.5, 0.6, 48.02N:147.76E, h400km, n29, e29:19:39, mb3.3/5, 3C-6D, Sep of Okhotsk

IDC 02 12:20:52.3:28.0, 21:04S:171.34W, h0km, mb4.0/4, mb1.4/2.4, mb1mx3.7/50, mb1tmp4.0/4, Error ellipse: s-maj=526.6km s-min=161.5km az=76.0, Tonga Islands region







2d 13h

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like N23A Red Feather La, NB2 NORSAR Subarra, NOA NORSAR Array B, etc.

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Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like MCMT McKenzie Canyon, MTPU Mount Pierson, DUG Dugway, Tooele, etc.

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Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like J05D Fort Rock, OR, H04A Detroit Lake, H04D Umpqua National, etc.





2d 16h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, SONMI Songo Array, WRA Warramunga Arr.

ISCJB 02 14:45:59.0-7.56:01N-0.06:153:04W:0.08,h23km, mb3.0/1.1, Error ellipse: s-maj=9.0km s-min=5.4km

IDC 02 14:46:00.0-8.55:94N-153:74W,h0km,mb3.7/1.2, mb1 3.9/1.4, mb1mx3.7/7.9, mbtmp3.7/14, ML3.3/2, Error ellipse: s-maj=17.8km s-min=14.7km az=32.0

NEIC 02 14:46:02.7-0.0,55:92N-153:10W,h4km,ML3.5(AEIC), After AEIC.

ISC 02 14:46:03.9-0.8,56:17N-0.07:153:28W:0.06,h23km,n56, s=1527/54,mb3.6/1.1, Kodiak Island region

Main table for 2d 16h section, listing station data for Kodiak Island region and other stations like OHAK, KDAK, PLK4, etc.

IDC 02 14:50:49.3-4.2, 14:98N-93:07W,h0km,mb3.6/5, mb1 3.7/8, mb1mx3.5/5.1, mbtmp3.5/8, ML3.1/3, MS3.3/2, Ms1 3.4/2, ms1mx2.8/3.2, Error ellipse: s-maj=118.6km s-min=21.0km az=29.0

ISCJB 02 14:50:56.3-0.15:3N-0.5:92:9W:0.3,h67km,mb3.6/5, Error ellipse: s-maj=88.2km s-min=12.8km az=31.0

ISC 02 14:50:58.1-3.9,15:22N-0.7:92:8W:0.4,h67km,n10, s=1067/7,mb3.8/5,Mexico-Guatemala border region

Table for Mexico-Guatemala border region, listing stations like APG El Apazote, CMIG Matias Romero, TXAR Lajitas Array, etc.

ISCJB 02 14:51:22.3-0.8,14:7N-0.1:93:1W:0.1,h67km,mb4.1/1.9, Error ellipse: s-maj=11.1km s-min=7.4km az=37.9

IDC 02 14:51:25.8-2.8,14:91N-92:86W,h79km,mb3.8/1.1, mb1 4.0/1.4, mb1mx3.7/5.1, mbtmp4.1/14, Error ellipse: s-maj=55.1km s-min=14.7km az=35.0

NEIC 02 14:51:26.1-1.1,14:85N-92:90W,h85km,mb4.1/1.1, Error ellipse: s-maj=20.2km s-min=6.5km az=22.0

ISC 02 14:51:24.2-0.9,14:8N-0.1:93:0W:0.1,h67km,n34, s=1509/33,mb4.0/1.9,Near coast of Chiapas

Table for Near coast of Chiapas, listing stations like CCIG Comitán, APG El Apazote, CMIG Matias Romero, etc.

2012 MAY

Main table for 2012 MAY section, listing station data for various regions including JTS JuntasAbangare, JCT Junction City, TXAR Lajitas Array, etc.

IDC 02 15:14:26.7-1.4,25:44S-69:94E,h0km,mb3.6/1.0, mb1 3.8/1.0, mb1mx3.6/6.2, mbtmp3.6/10, MS3.4/2, Ms1 3.5/2, ms1mx2.8/5.5, Error ellipse: s-maj=45.3km s-min=25.0km az=25.0

ISCJB 02 15:14:28.3-1.2,25:55S-0.3:70:0E:0.2,h21km,mb3.6/1.0, MS3.5/2, Error ellipse: s-maj=40.2km s-min=21.9km az=27.1

ISC 02 15:14:30.2-1.5,25:55S-0.3:70:0E:0.2,h21km,n17, s=1089/10,mb3.7/1.0,Indian Ocean Triple Junction

Table for Indian Ocean Triple Junction, listing stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, etc.

IDC 02 15:23:42.4-1.2,12:26N-141:27E,h0km,mb3.7/5, mb1 3.8/6, mb1mx3.5/5.4, mbtmp3.7/6, ML3.5/1, MS3.1/1, Ms1 3.1/1, ms1mx2.3/4.9, Error ellipse: s-maj=39.2km s-min=23.6km az=81.0

ISCJB 02 15:23:45.3-0.8,12:30N-0.1:141:32E:0.09,h35km, mb3.0/2, Error ellipse: s-maj=20.4km s-min=10.4km az=57.3

ISC 02 15:23:47.3-1.1,12:22N-0.2:141:4E:0.1,h35km,n7, s=6567/7,mb3.8/5,South of Mariana Islands

Table for South of Mariana Islands, listing stations like GUMO Guam, GUMO Guam, JOW Kongsami, etc.

IDC 02 16:12:55.6-29.0,23:49S-179:27W,h474km,mb3.6/1.0, mb3.4/5, mb1 3.5/5, mb1mx3.0/1.5, mbtmp4.3/5, Error ellipse: s-maj=387.0km s-min=100.0km az=81.0, South of Fiji Islands

Table for South of Fiji Islands, listing stations like CTA Charters Tower, STKA Stephens Creek, ASAR Alice Springs, etc.

IDC 02 16:17:16.2-12.0,31:30S-71:16W,h0km,mb3.6/1, mb1 3.6/1, mb1mx3.3/3.1, mbtmp3.6/11, Error ellipse: s-maj=93.5km s-min=27.4km az=2.0

SJA 02 16:17:27.6-2.3,29:38S-71:14W,h73km,26km,ML3.5, MW3.7

GUC 02 16:17:28.4-0.6,29:46S-70:78W,h50km,6km,ML3.5

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ISC 02 16:17:24.5-3.3,29:37S-0:03:71:19W:0.09,h5km,21km, n25,c183/29,3C-1D,Near coast of central Chile

Main table for 128 section, listing station data for various stations like LCO Las Campanas, TLL Tololo Astrono, G004 Tololo Observa, etc.

IDC 02 16:17:54.1-1.9,16:52S-178:09W,h0km,mb4.0/4, mb1 4.2/4, mb1mx3.6/4.9, mbtmp4.0/4, Error ellipse: s-maj=167.7km s-min=32.4km az=155.0,Fiji Islands region

Table for Fiji Islands region, listing stations like STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, etc.

ISK 02 16:19:21.6,38:72N-43:54E,h5km,ML2.7/6 ATA 02 16:19:22.1-1.4,38:61N-43:57E,h26km,8km,ML2.9, MW3.1

CSEM 02 16:19:22.4-0.3,38:69N-43:64E,h2km,ML2.7, Error ellipse: s-maj=6.6km s-min=4.7km az=116.0

DDA 02 16:19:22.2,38:63N-43:71E,h7km,ML2.9

ISC 02 16:19:21.8-1.3,38:65N-0:02:43:72E:0.04,h13km,gkm, n33,c1922/53,Turkey

Table for Turkey, listing stations like Code Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VANS Van, TVAN Van, VMUR Van-Muradiye, etc.

ISC 02 16:19:32.4-0.7,16:52S-178:09W,h0km,mb3.6/1.0, mb1 3.8/6, mb1mx3.5/5.4, mbtmp3.7/6, ML3.5/1, MS3.1/1, Ms1 3.1/1, ms1mx2.3/4.9, Error ellipse: s-maj=39.2km s-min=23.6km az=81.0

ISCJB 02 16:19:32.4-0.7,16:52S-178:09W,h0km,mb3.6/1.0, MS3.5/2, Error ellipse: s-maj=40.2km s-min=21.9km az=27.1

ISC 02 16:19:30.2-1.5,25:55S-0.3:70:0E:0.2,h21km,n17, s=1089/10,mb3.7/1.0,Indian Ocean Triple Junction

Table for Indian Ocean Triple Junction, listing stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, etc.

IDC 02 16:19:32.4-0.7,16:52S-178:09W,h0km,mb3.6/1.0, mb1 3.8/6, mb1mx3.5/5.4, mbtmp3.7/6, ML3.5/1, MS3.1/1, Ms1 3.1/1, ms1mx2.3/4.9, Error ellipse: s-maj=39.2km s-min=23.6km az=81.0

ISCJB 02 16:20:13.0-0.9,14:64N-0:07:93:15W:0.06,h35km, mb4.0/4, MS3.0/1, Error ellipse: s-maj=10.3km s-min=8.8km az=17.3

MEX 02 16:20:14.6-0.3,14:60N-93:15W,h42km,25km,MD3.9

ISC 02 16:20:15.0-1.1,14:71N-0.1:10:93:0W:0.08,h35km,n10, s=1067/7,mb3.9/4,Near coast of Chiapas

Table for Near coast of Chiapas, listing stations like Code Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EKAR Karacaban, EKAR Karacaban, EKAR Karacaban, etc.

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

NIED 02 16:20:00, 36.90N, 141.40E, h8km, Mw3.8 Best double couple: M5.99000, 1.014, NP1.0550000, 837.00000, 1-62.00000, NF2.0200000, 858.00000, 1-109.00000

ISCJB 02 16:20:19.9, 1.2, 36.88N, 141.41E, h0km, 1.5km, 7km, mb3.8/17, Error ellipse: s-maj=8.9km s-min=5.6km az=28.2

IDC 02 16:20:16.9, 0.8, 36.90N, 141.41E, h0km, 6.8km, 8.17, mb1 3.9/21, mb1mx3.8/67, mbtmp3.8/21, ML3.3/3, MS2.7/1, Ms1 2.7/1, ms1mx2.2/59, Error ellipse: s-maj=13.8, 0km s-min=12.4km az=156.0

JMA 02 16:20:19.0, 0.1, 36.88N, 141.34E, h33km, 1km, M3.9 JMA Fell J1

ISC 02 16:20:16.9, 2.0, 36.34N, 141.30E, h2km, 11km, az=137.7, +101/42, mb3.8/17, Near east coast of eastern Honshu

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ONAJ, JFK, JHO, etc.

MOS 02 16:32:07.9, 1.9, 53.39N, 161.23E, h15km, mb4.3/1, Error ellipse: s-maj=8.5km s-min=4.8km az=89.0

KRSC 02 16:32:08.0, 1.3, 53.39N, 161.23E, h15km, 17km, ML4.1, Off east coast of Kamchatka Peninsula

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

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KRX, KOK, KRY, etc.

IDC 02 16:34:58.3, 409.0, 47.26N, 48.92E, h0km, Error ellipse: s-maj=160.5km s-min=129.3km az=27.0, Western Kazakhstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I31K, I43RU, I26DE, etc.

MAN 02 16:36:42.0, 11.72N, 125.09E, h4km, mb4.2, ML3.0, MS2.7, 1D, Samar

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

IDC 02 16:39:23.0, 0.5, 3.11S, 136.08E, h0km, mb4.5/20, mb1 4.5/26, mb1mx4.4/52, mbtmp4.5/26, ML4.3/5, MS3.5/11, Ms1 3.5/11, ms1mx3.2/45, Error ellipse: s-maj=19.2km s-min=11.5km az=71.0

NEIC 02 16:39:24.0, 0.2, 3.07S, 136.13E, h10km, mb4.5/17, Error ellipse: s-maj=5.2km s-min=4.3km az=85.0

ISCJB 02 16:39:26.0, 0.2, 3.16S, 10E, 0.03, h33km, mb4.6/47, MS3.4/7, Error ellipse: s-maj=4.5km s-min=3.9km az=3.0

DJA 02 16:39:28.3, 1.1, 3.54S, 133.6E, h35km, 25km, M4.8/11, mb4.9/11, mb4.9/4, ML4.9/8, Mw1.9/4, 2.4

ISC 02 16:39:27.0, 3, 3.19S, 0.04, 136.14E, 0.05, h33km, n127, +138/136, mb4.7/47, MS3.3/7, Irian Jaya

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

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMG, COEN, SOEI, etc.



Table with columns: ARAO, ARCESS Array S, SNR, Az, El, Pn, Pn, 17 05 56.7 +0.6, etc. Includes stations like ARAO, ARCESS Array S, ARCESS Array S, etc.

ICD 02 17:06:03.7-0.5, 35.805x102.86W, h0km, mb4.6/22, mb1.4/7.22, mb1mx4.6/36, mbmp4.5/22, MS4.7/25, Ms1.4/6/25, ms1mx4.6/29, Error ellipse: s-maj=17.8km s-min=13.8km az=97.0

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, h m s, ISC. Includes stations like GO05, PLCA, PLCA, etc.

Table with columns: ROSC, JTS, JTS, Sao Paulo, Sao Paulo, Sao Paulo, etc. Includes stations like ROSC, JTS, Sao Paulo, etc.

Table with columns: 319A, MNTX, BRAL, BRAL, MSTX, Y14A, PFO, PFO, etc. Includes stations like 319A, MNTX, BRAL, etc.

Table with columns: HDIL, BMN, CBN, DZM, DZM, DZM, etc. Includes stations like HDIL, BMN, CBN, DZM, etc.





Table with columns: FULB, Fuli, 0.59 352, P, Pb, 18 53 26.5, -0.8, baz=340, eS, Sn, 18 53 35.4, -1.9, LAY, baz=340, 0.59 164, eP, Pb, 18 53 27.0, -0.3, ELDTW, Lan-yu, 0.67 330, P, Pb, 18 53 27.3, -1.4, MASBT, Mashbuluo, 0.69 270, P, Pb, 18 53 27.8, -1.1, SSD, Sandimen, 0.70 281, P, Pb, 18 53 27.8, -1.4, SCZT, Fangiiau, 0.74 251, eP, Pb, 18 53 28.9, -0.9, SSPT, Xinbi, 0.76 261, eP, Pb, 18 53 28.6, -1.5, SLGT, Liugui, 0.78 300, eP, Pb, 18 53 29.5, -0.9, YULB, Yu-li, 0.78 354, P, Pb, 18 53 29.1, -1.5, STYT, Tuuyuan, 0.80 314, P, Pb, 18 53 29.7, -1.1, SGLT, Jiouru, 0.83 278, eP, Pn, 18 53 31.1, -0.6, TSEB, Hengchuen, Pin, 0.83 212, eP, Pb, 18 53 31.0, -0.4, TSEB, baz=212, eS, Sb, 18 53 42.3, +0.1, HEN, Hengchun, 0.85 225, eP, Pb, 18 53 31.5, -0.1, TWKBT, Hengchun, 0.85 218, P, Pb, 18 53 30.8, -0.9, TWKBT, baz=205, eS, Sb, 18 53 41.4, -1.2, TWK1, Hengchun, 0.85 219, P, Pb, 18 53 30.8, -0.9, TWK1, baz=205, eS, Sb, 18 53 41.9, -0.8, SGST, Jiashian, 0.87 303, P, Pn, 18 53 31.8, -0.5, HGSD, Futsui, 0.88 3, eP, Pn, 18 53 31.9, -0.5, EHY, Hungye, 0.89 357, eP, Pb, 18 53 30.9, -1.5, THW1, Shoushan, 0.91 284, P, Pn, 18 53 33.1, +0.2, WTP, Ta-pu, 0.95 312, P, Pn, 18 53 33.0, -0.4, WLCH, Liugui, 0.96 255, eP, Pn, 18 53 35.6, +2.1, CHN1, Nanshi, 0.97 306, P, Pn, 18 53 33.8, +0.1, TPUB, Ta-pu, 0.97 315, P, Pn, 18 53 33.5, -0.3, KAU, Hsiaoilichui, 0.98 255, eP, Pn, 18 53 34.7, +0.9, TWP, Kaochiung, 0.99 268, eP, Pn, 18 53 35.4, +1.5, CHN4, Tsoushan, 1.03 316, P, Pn, 18 53 34.6, +0.1, ALS, Alishan, 1.04 330, P, Pn, 18 53 34.3, -0.6, CHN3, Shinnua, 1.04 297, P, Pn, 18 53 36.1, +1.4, THW, Hsiinying, 1.05 309, P, Pn, 18 53 34.9, +0.1, CHN5, Tsauing, 1.18 327, P, Pn, 18 53 36.8, -0.5, ESL, Shilin, 1.20 2, eP, Pn, 18 53 36.5, -0.4, SCLT, Jiali, 1.23 297, eP, Pb, 18 53 38.3, +0.1, SCLT, baz=294, eS, Sb, 18 53 54.9, +1.3, SSLB, Suanglung, 1.23 342, eP, Pn, 18 53 37.1, -0.2, CHN2, Minshung, 1.24 318, eP, Pb, 18 53 38.5, +0.2, CHN2, eS, Sb, 18 53 55.5, +1.6, CHY, Chiayi, 1.25 315, P, Pb, 18 53 38.7, +0.3, CHN8, Yiju, 1.30 304, eP, Pb, 18 53 39.4, +0.1, CHN8, eS, Sb, 18 53 56.3, +0.7, ENLB, Shoufeng, 1.30 9, eP, Pb, 18 53 38.6, -0.8, WGG, Guleng, 1.31 325, eP, Pb, 18 53 39.6, +0.1, WGLB, Puzi, 1.32 311, eP, Pb, 18 53 39.3, -0.3, WGLB, eS, Sb, 18 53 57.9, +1.8, WDLH, baz=308, 1.32 324, eP, Pb, 18 53 39.8, +0.1, WDLH, baz=322, eS, Sb, 18 53 58.2, +1.9, SMLT, Sun Moon Lake, 1.34 341, eP, Pb, 18 53 39.8, +0.0, OWD, Renai, 1.35 352, eP, Pb, 18 53 40.0, -0.2, TYC, Yuch, 1.37 340, eP, Pb, 18 53 40.6, 0.0, HWA, Hwalien, 1.38 9, eP, Pn, 18 53 39.4, +0.1, WNT, Mingjian, 1.42 333, eP, Pb, 18 53 41.5, +0.2, CHGB, Renai, 1.46 353, eP, Pb, 18 53 40.9, -1.2, TWD, Chiawan, 1.48 8, eP, Pn, 18 53 40.4, -0.2, DPDB, baz=353, 1.48 344, eP, Pb, 18 53 42.0, -0.3, WSF, Szu, 1.48 314, eP, Pb, 18 53 41.2, -1.1, WSF, eS, Sb, 18 54 00.4, -0.3, NACB, Ninganchiao, 1.57 7, eP, Pb, 18 53 41.3, -0.6, RLNB, Erlin, 1.58 324, eP, Pb, 18 53 42.6, -1.6, TWT, Tachien, 1.65 354, eP, Pb, 18 53 45.1, -0.3, WCHH, Zhangua, 1.65 333, eP, Pb, 18 53 44.4, -0.8, TDCB, Tech, 1.65 353, eP, Pb, 18 53 45.0, -0.3, TCB, Taichung, 1.66 337, eP, Pb, 18 53 45.2, -0.3, WDG, Tungji, 1.71 293, P, Pn, 18 53 43.8, -0.1, WDG, eS, Sn, 18 54 04.2, -0.8, NNSB, Datong, 1.81 0, eP, Pn, 18 53 45.9, +0.6, TWS1, Lyutan, 1.82 342, eP, Pb, 18 53 47.4, -0.8, TWQ1, baz=338, eS, Sb, 18 54 10.6, +0.1, NNS, Nan Shan, 1.82 360, eP, Pb, 18 53 46.5, -1.8, ENA, Nanau, 1.84 10, eP, Pn, 18 53 45.4, -0.2, NANB, Nanao, 1.84 11, eP, Pn, 18 53 45.0, -0.6, ENAH, Nanao, 1.87 12, eP, Pn, 18 53 46.5, +0.4, NSY, Sanyi, 1.89 343, eP, Pb, 18 53 48.1, -1.2, PHUB, Peng-hu, 1.89 299, eP, Pb, 18 53 46.1, -0.2, PHUB, eS, Sn, 18 54 08.6, -0.8, PNG, Penghu, 1.93 300, eP, Pn, 18 53 46.4, -0.5, NMLH, Miaoli, 1.99 344, eP, Pb, 18 53 50.0, -1.2, ENTT, Nioudou, 2.03 5, eP, Pn, 18 53 49.1, +0.8, TWC, Suao, 2.04 12, eP, Pn, 18 53 49.0, +0.7, NSTT, Nanjuang, 2.04 350, eP, Pb, 18 53 50.9, -1.1, EOS1, EOS1, 2.05 19, eP, Pn, 18 53 48.6, +0.2, YHNB, Yeheng, 2.05 360, eP, Pn, 18 53 49.7, +1.1, LIOB, Emei, 2.05 351, eP, Pb, 18 53 49.9, -2.3

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Table with columns: TWE, Neicheng, 2.12 7, eP, Pn, 18 53 50.1, +0.6, EGS, baz=357, 2.28 13, eP, Pn, 18 53 52.9, +1.2, YJNG, Yonagunijimaku, 2.33 38, P, Sn, 18 53 53.2, +0.9, YJNG, 2.38 38, eS, Sn, 18 54 19.9, -0.3, TATO, Taipei, 2.36 2, eP, Pn, 18 53 54.3, +1.5, YOJ, Yonaguni jima, 2.37 39, eP, Pn, 18 53 53.6, +0.6, YOJ, Yonaguni jima, 2.37 39, P, Sn, 18 53 54.1, +1.1, YOJ, 2.45 13, eS, Pn, 18 54 22.4, +1.1, TWB1, Santiao Chiao, 2.45 13, eS, Pn, 18 53 55.5, +1.4, NWF, Wu-fen Shan, 2.48 8, eP, Pn, 18 53 56.3, +1.9, WFSB, Wu-fen Shan, 2.48 8, eP, Pn, 18 53 55.7, +1.3, YM04, YM04, 2.54 3, eP, Pn, 18 53 56.6, +1.4, YM10, YM10, 2.54 4, eP, Pb, 18 53 57.8, -2.7, YM11, YM11, 2.55 4, eP, Pn, 18 53 57.1, +1.7, YM03, YM03, 2.56 3, eP, Pb, 18 53 57.9, -3.0, YM07, YM07, 2.56 5, eP, Pn, 18 53 56.7, +1.1, YM08, YM08, 2.57 4, eP, Pn, 18 53 57.5, +1.7, HATJ, Hieromata jima, 2.65 57, P, Pn, 18 53 57.1, +0.3, HATJ, 2.76 51, P, Sn, 18 54 27.2, -1.0, IRIF, IRIF, 2.76 51, eS, Sn, 18 53 58.9, +0.7, IRIF, 2.91 56, P, Sn, 18 54 32.0, +1.2, JKRS, Kuro-shima, 2.91 56, P, Sn, 18 54 31.0, -0.7, JKRS, 3.08 55, P, Sn, 18 54 34.4, -0.1, JJI, Ishigaki jima, 3.08 55, P, Sn, 18 54 30.9, +0.3, JJI, 3.31 304, eP, Pn, 18 54 05.8, 0.0, JNSG, Ishigakijimahi, 3.33 53, P, Pn, 18 54 06.2, +0.1, JNSG, 3.66 56, P, Pn, 18 54 10.6, 0.0, JTJ, Tarama, 3.76 54, S, Sn, 18 54 52.5, -0.5, MATB, Ma-tsu, 3.76 54, P, Sn, 18 54 12.3, +0.3, JIRB, irabujima, 4.12 57, P, Pn, 18 55 07.5, +0.5, JIRB, 4.21 58, eP, Pn, 18 55 02.8, -1.8, JMJ, Miyako jima 2, 4.21 58, eP, Pn, 18 54 18.8, +0.7, JMJ, Miyako jima 2, 4.21 58, P, Pn, 18 55 07.7, +0.6, JMKM, Ikemajima, 4.23 56, P, Sn, 18 54 18.6, +0.3, JJKM, 4.27 59, P, Sn, 18 55 07.9, +0.9, JOGS, Gusuokube, 4.27 59, P, Sn, 18 54 19.8, +0.8, JOGS, 7.55 55, Pn, 18 55 02.9, -1.2, JOW, Kunigami, 7.55 55, Pn, 1.5nm, 0.3s, baz=316, slow=21, SNR=7.1, JOW, 1.5nm, 0.3s, baz=112, slow=19, SNR=2.6, JOW, Kunigami, 7.55 55, eP, Pn, 18 55 04.2, +0.2, CMAR, Chiang Mai Arr, 21.41 263, P, Pn, 0.2nm, 0.3s, baz=68, slow=9.8, SNR=3.3, SONM, Sogino Array, 27.89 338, P, Pn, 0.4nm, 0.5s, baz=150, slow=12, SNR=2.7, MKAR, Makanchi Array, 39.60 917, P, Pn, 0.7nm, 0.9s, baz=127, slow=8.0, SNR=4.9, FITZ, Fitzroy Crossi, 40.67 174, P, Pn, 0.7nm, 0.6s, baz=12, slow=9.3, SNR=3.1, ZALV, Zalesovo Beam, 41.56 328, P, Pn, 0.8nm, 0.8s, baz=117, slow=7.1, SNR=2.9, KURBB, Kurchatov Arra, 43.43 321, P, Pn, 0.4nm, 0.7s, baz=343, slow=9.0, SNR=7.7, WRA, Warramunga Arr, 44.15 162, P, Pn, 0.8nm, 0.8s, baz=117, slow=7.1, SNR=2.9, ASAR, Alice Springs, 47.58 164, P, Pn, 0.2nm, 0.3s, baz=345, slow=6.8, SNR=11

Table with columns: IPAR, comp=Z, 84um, 0.4s, eAMB, AMB, 18 16 13.3, IKAZ, Kazeroun, 1.61 324, eP, Pn, 18 15 41.3, +0.8, IKAZ, comp=Z, 33um, 0.3s, eAMB, AMB, 18 16 08.7, BNDS, Bandar-Abbas, 3.07 110, eP, Pn, 18 16 00.4, 0.0, BNDS, 3.07 110, eS, Pn, 18 16 45.5, +1.5, IMEH, Mehriz, 3.26 26, eP, AMB, 18 16 04.4, +1.3, IMEH, comp=Z, 920nm, 0.6s, eAMB, AMB, 18 17 10.6, IRAM, Ramesheh, 3.36 352, eS, Sb, 18 16 55.3, +2.9, IRAM, 3.36 352, eS, Pn, 18 16 06.1, +1.7, IRAM, comp=N, 944nm, 0.2s, eAMB, AMB, 18 17 08.5, ISAD, Sadrabad, 3.49 11, ePn, Pn, 18 16 07.2, +0.8, ISAD, comp=Z, 1um, 0.4s, eAMB, AMB, 18 17 41.0, KRBR, Kerman, 3.68 65, ePn, Pn, 18 16 08.5, -0.4, IBAF, Batgh, 3.86 36, eAMB, AMB, 18 16 36.1, ICHK, Chekchek, 3.97 18, ePn, AMB, 18 16 13.7, +0.8, ICHK, comp=Z, 576nm, 0.5s, eAMB, AMB, 18 17 35.4, IZEF, Zetreh, 4.44 354, ePn, AMB, 18 16 20.6, +1.3, IZEF, comp=Z, 278nm, 0.3s, eAMB, AMB, 18 16 39.5, BTHS, Kohalrood, 4.79 203, P, Pn, 18 16 25.5, +1.7, IKLH, Kohalrood, 4.97 347, eP, AMB, 18 16 28.3, +1.7, IKLH, comp=Z, 446nm, 0.6s, eAMB, AMB, 18 16 16.9, GHVR, GHOM, 6.15 347, ePn, Pn, 18 16 43.1, +0.4, GHVR, comp=N, 13nm, 0.6s, AML, AML, 18 18 12.2, GHVR, comp=E, 13nm, 0.6s, AML, AML, 18 18 14.1, TABS, Tabas, 6.29 34, ePn, Pn, 18 16 44.4, -0.2, WSAR, Wadi Sarin, 7.32 134, Pn, Pn, 18 16 58.6, -0.1, WSAR, comp=E, 0.7nm, 0.3s, baz=357, slow=12, SNR=17, WSAR, comp=E, 0.4nm, 0.3s, baz=97, slow=17, SNR=2.2, SHRT, Shahrakht, 8.16 49, ePn, Pn, 18 17 02.8, -0.4, KBV, Khabaz, 17.22 335, P, Pn, 18 19 12.5, +0.3, KVAR, Kislovodsk Arr, 37.50 339, P, Pn, 18 19 16.0, +0.2, BRTR, Keskin Array B, 19.48 310, P, Pn, 18 19 39.0, +0.2, AKTO, Aktyubinsk, 22.27 9, P, Pn, 18 20 08.9, +0.2, AAK, Ala-Archa, 22.45 45, P, Pn, 18 20 11.9, +1.0, IDI, Anteya, 24.70 293, P, Pn, 18 20 34.3, +1.3, MLR, Munleia, 27.25 216, P, Pn, 18 20 56.0, +0.1, BVAR, Borovoye Array, 27.72 23, P, Pn, 18 20 59.8, -0.1, MKAR, Makanchi Array, 29.34 43, P, Pn, 18 21 15.2, +0.8, ZALV, Zalesovo Beam, 34.48 33, P, Pn, 18 21 58.7, -0.6, FINES, Finess Array B, 37.50 339, P, Pn, 18 22 24.2, -0.9, HFS, Hagfors, 40.22 331, P, Pn, 18 22 55.9, -0.5, NOAR, NOARS Array B, 42.76 332, P, Pn, 18 23 09.2, +0.4, EKA, Eskdalemuir Ar, 47.94 320, P, Pn, 18 23 49.6, -0.4, TORD, Torodi Ar, 49.89 263, P, Pn, 18 24 06.4, -0.9, TIXI, Tiksi, 58.83 21, P, Pn, 18 25 09.5, -0.2, YKA, Yellowknife Ar, 88.80 354, P, Pn, 18 28 04.8, -0.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, GUMO, Guam, 2.25 48, Op, ISC, h, m, s, ISC, 18 15 57.2, -0.1, WRA, Warramunga Arr, 32.95 195, P, Pn, 18 21 52.8, +0.2, ASAR, Alice Springs, 36.67 194, P, Pn, 18 22 24.1, -0.3, ILAR, Epsilon Array, 70.63 25, P, Pn, 18 26 32.1, 0.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ACX, Acapulco, 0.18 240, Op, ISC, h, m, s, ISC, 18 17 04.8, -4.8, ACX, 0.20 245, eP, Sn, 18 17 05.1, -3.9, CAIG, El Cayaco, 0.55 280, eP, Sn, 18 17 09.8, -8.2, CAIG, 1.24 61, eP, Sn, 18 17 18.9, -1.6, TLIG, Tlapaneco, 1.37 52, iP, Sn, 18 17 33.7, -2.3, HMTT, HMTT, 1.44 7, eP, Sn, 18 17 36.5, -2.8, PLIG, Platanillo, 1.44 7, eP, Sn, 18 17 39.1, -1.7, ARIG, Arica, 1.45 335, eS, Sn, 18 17 39.4, -1.8, ARIG, 1.61 110, eP, Sn, 18 17 23.8, -1.6, PNIG, Pinotepa, 1.61 110, eP, Sn, 18 17 43.1, -1.8, PNIG, 1.81 291, eP, Sn, 18 17 27.5, -0.7, ZIIG, Zihuatanejo, 1.81 291, eP, Sn, 18 17 46.9, -2.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Vnda, Vanda, 15.16 202, Op, ISC, h, m, s, ISC, 18 21 28.1, -0.3, Vnda, comp=Z, 62nm, 18.2s, baz=318, slow=33, Vnda, 52.35 267, T, T, 20 24 24.3, H01W1, Cape Leeuwin H, 52.35 267, T, T, 20 24 24.6, H01W2, Cape Leeuwin H, 52.35 267, T, T, 20 24 25.5, H01W3, Cape Leeuwin H, 52.35 267, T, T, 18 46 17.4, CTA, Charters Tower, 52.55 308, LR, LR, 18 46 17.4, ASAR, Alice Springs, 53.86 293, P, Pn, 18 27 18.5, +0.4, WRA, Warramunga Arr, 57.05 295, P, Pn, 18 27 40.3, -0.7, PDAR, Pinadale Array, 117.62 47, PKP, PKP, 18 36 40.4, -0.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, FAKI, Fak Fak, 2.16 159, P, Sn, 18 25 47.4, -0.6, FAKI, Ransiki, Papua, 2.78 103, P, Pn, 18 25 58.7, +2.2, LBMI, Labuha, 3.98 274, P, Pn, 18 26 12.8, -0.2, DDA, 02 19:25:52.8, 40.64N:44.89E, h7km, M12.7, TIF, 02 19:25:52.5, 40.67N:44.92E, h9km, M3.3, CSEM, 02 19:25:53.0, 40.62N:44.90E, h2km, M2.0, Error ellipse: s-maj=9.7km s-min=4.5km az=153.0, ISC, 02 19:25:53.4, 1.5, 40.64N:0.04:44.89E:0.04, h7km, n11km, n18, 02 19:25:53.4, Turkey-Georgia-Armenia border region



2d 20h

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, and Time/Res. Lists stations like David-gareji, Akyaka, IGDRI, BTNK, etc.

Station lists with specific coordinates and names: IDC 02 19:35:20.1... NEIC 02 19:35:21.1... ISCJB 02 19:35:22.8... DIA 02 19:35:23.0... ISC 02 19:35:24.8...

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, and Time/Res. Lists stations like Banda Aceh, Gunungsitoli, Kertinci, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, and Time/Res. Lists stations like Kurchatov, ZALV, BOROVYOYE, etc.

Station lists with specific coordinates and names: IDC 02 19:50:02.9... MOS 02 19:50:06.9... SKHL 02 19:50:09.6... ISC 02 19:50:08.1... Kuril Islands

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, and Time/Res. Lists stations like Severo-Kuril'sk, Kurchatov, ZALV, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, and Time/Res. Lists stations like Kurchatov, YKA, BOROVYOYE, etc.

Station lists with specific coordinates and names: IDC 02 19:57:38.3... CMAR 02 20:02:31.7... MKAR 02 20:02:31.7... KURBS 02 20:02:31.7... WRA 02 20:02:31.7... ASAR 02 20:02:31.7

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, and Time/Res. Lists stations like Taragay, KDJ, KJaisay, etc.

Station lists with specific coordinates and names: IDC 02 20:04:14.9... NEIC 02 20:04:19.3... ISC 02 20:04:19.3...

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, and Time/Res. Lists stations like RAR, DZM, DZM, etc.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PSI Prapat, MNSI Mandailing Nat, SISI Saibi, PKDT Phuket, PDSI Padang, KULM Kulum, PPSI Pulau Pagai, IPM Ipoh, TRTT Trang, SURTI Suratani, SKLT Songkhla, KRJI Kerinci, DGPR DIGLIPUR, MNAI Manna, PALK Palleke, SRDT SRDT, CHAI Chaiyaphum, PBKT Sadao Pong, PHIT Phitsanulok, CM01 Chiang Mai Arr, KHOM Khom, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, LAMP Lampang, CHTO Chiang Mai, CHTO Chiang Mai, CMMT Chiang Mai, SBUM Sibul, SAH SAHA, SAH HYderabad, HYB HYderabad, AGT Agartala, IMP Imphal, TURI Tura, KOHI KOHIMA, DHUB DHUBRI, GUWA GUWAHATI, MOKO MOKOCHONG, TEZP TEZPUR, JORH JORHAT, ITAN ITANAGAR, KMI Kunming, ODAN Odare, ZIRO ZIRO, RAMN Ramite, GTK Tadong, JIRN Jiri, MYLDM Lahad Datu, DMN Daman, KKN Kakani, GKN Gorkha, KOLN Koldanda, PYUN Pluthan, DANN Dangsing, LSA Lhasa, CD2 Chengdu, ENH Enshi, XAN Xi'an, LZH Lanzhou, NIL Nilore, GTA Gaotai, NJ2 Nanjing, KSH Kashi, WMQ Urumqi, WMQ Urumqi, JOW Kunigami, HHC Hu-ho-hao-te, HHC Ala-Archa, AAK Ala-Archa.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BJT Baijiatuu, BJL Beijing, KKAR Karatay Array, MKAR Makanchi Arr, WRA Warramunga Arr, WRAB Tennant Creek, SONM Songino Array, JNU Nakatsue, GEYT Alibeck, ASAR Alice Springs, ASAR Alice Springs, KURS Kurchatov Arr, KURB Kurchatov Arr, KURK Kurchatov Arr, ATD Archa Tunnel, TLY Talaya, ZAAO Zalesovo Spring, ZALV Zalesovo Beam, ZALV Zalesovo Beam, GUMO Guam, BVAR Borovoye Array, MJAR Matushiro Arr, MJAR Matushiro Arr, ABKAR Abkulak array, USRK Ussuriysk Arr, KLR Kuldar, KBZ Khabaz, ARU Art, BRTR Keskin Array B, MLR Muntele Rosu, MA2 Magadan, TIXI Tiksi, PETK Petropavlovsk, SEY Seymchan, FINES FINESS Array B, GERAO GERESE Array S, GERAO GERESE Array S, HFS Hagfors, SNAA Snaae, TX31 Lajitas Ar, TXAR Lajitas Arr, NIED 02 21:08:00.39, JMA 02 21:08:27.01, JMA Felt J1, IDC 02 21:08:30.9, M1 3.0/5, MSC 0.5, ISC 02 21:08:23.8-2.3, Code Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ASAR Alice Springs, FINES FINESS Array B, AKASO Malin Array Be, IDC 02 21:12:11.6, ASAR Alice Springs, WRA Warramunga Arr, CMAR Chiang Mai Arr, BRTR Keskin Array B, IDC 02 21:56:07.5, ISC 02 21:56:12.3, NEIC 02 21:56:16.4, MSVF Nonsavu, AFI Afiamalu, AFI Afiamalu, URZ Urewera, RAR Rarotonga, RAR Rarotonga, RAR Rarotonga, DZM Mont Dzumac, DZM Mont Dzumac, TBI Tubaui, PPT2 Papeete, PPT Papeete, HNR Honiata, CTA Charters Tower, CTA Charters Tower, STKA Stephens Creek, PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, ASAR Alice Springs, ASAR Alice Springs, WRAB Warramunga Arr, WRA Warramunga Arr, GUMO Guam, VNDA Vanda, VNDA Vanda, BATI Baumata, CASY Casey, JOW Kunigami, MJAR Matushiro Arr, MJAR Matushiro Arr, LEM Lembana, JNU Nakatsue, PETK Petropavlovsk, KRSR Korea Array, NVAR Mina Array Be, NVAR Ussuriysk Arr, SYO Syowa Base, TXAR Lajitas Arr, CMIG Matias Romero, SEY Seymchan, PDAR Pinedale Array, PDAR Pinedale Array, ILAR Eielson Array, CMAR Chiang Mai Arr, CHTO Chiang Mai, SONM Songino Array, KURK Kurchatov, KURB Kurchatov Arr, BVAR Borovoye Array, AKASO Malin Array Be, KIEV Kiev, BRTR Keskin Array B, MNAI Mount Meron Arr, CLLL Moulm, DPC Dobruska-Polom, DPC Dobruska-Polom, MLR Muntele Rosu, CONA Conrad Observa, SOKA Soledad, SOKA Soledad, NEIC 02 21:57:11.0, Code Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC.



Table with columns: KHET, comp=N, 905nm, 0.2s, IAML, 23 12 28.5, etc. Includes stations like New Delhi, Kurukshetra, Deoband, Dehra Dun, Simlia, etc.

MEX 02 23:23:55.7, 0.6, 16.13N, 98.22W, h22km, 6km, MD3.7, Near coast of Guerrero. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

JMA 02 23:27:52.1, 0.2, 28.62N, 140.25E, h447km, M3.7, Bonin Islands region. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

IDC 02 23:32:21.8, 1.1, 5.48S, 150.00E, h0km, mb4, 1/1, mb1 4.3/12, mb1mx4.0/53, mbtmp4.1/12, ML2.4/1, MS3.1/5, Ms1 3.1/5, ms1mx2.8/44, Error ellipse: s-maj=36.5km s-min=16.7km az=103.0

NEIC 02 23:32:27.9, 2.4, 5.49S, 149.87E, h36km, 22km, mb4, 5/4, Error ellipse: s-maj=17.6km s-min=13.7km az=137.0

ISC 02 23:32:27.9, 0.7, 5.48S, 150.10E, h35km, n31, 153/31, mb3.9/12, New Britain region. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Port Moresby, Warramunga Arr, Alice Springs, Fitzroy Crossi, etc.

NIED 02 23:38:00, 40.00N, 143.60E, h14km, Mw4.4 Best double couple: M4, 12000, 1015, NP1=166.00000, 833.00000, 142.00000, NP2=39.00000, 568.00000, 1.136.00000

Error ellipse: s-maj=6.2km s-min=4.3km az=119.0
ISC 02 23:38:03.4, 1.0, 39.98N, 0.04, 143.65E, 0.04, h6km, 6km, n242, 1972/276, mb4.6/104, MS3.8/30, 14C-5D, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Tanohata, Miyakonagasawa, Nango, Ohasama, Erimo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Asahikawa, Tuman, Golovnino, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Lagunnoye, Matsushiro, Kuril'sk, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Shikotan, Matsushiro Arr, Mjars, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Mjars, Matushiro, Kuril'sk, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KLR, KSRS, KSAR, etc.

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PETK, ZEA, MA2, CLNS, BJI, BJT, TIA, etc.



2d 23h

Table with columns for station code, name, coordinates, and various parameters. Includes stations like CD2, GYA, KNGR, HVS, KMI, etc.

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Table with columns for station code, name, coordinates, and various parameters. Includes stations like SFK, KK31, KKAR, KKAR, etc.

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Table with columns for station code, name, coordinates, and various parameters. Includes stations like BUR08, BUR04, STHS, etc.

Code Station Name Az Az2 Phase ID Time Res
OP0 Ambohritompo 20.03 292 LR
CMAR Chiang Mai Arr 55.37 38 P
ASAR Alice Springs 60.06 103 P
WRA Warrungarra Arr 61.72 99 P
AAK Ala-Archa 70.18 6 P
ZALV Zalesovo Beam 82.64 11 P
YKA Yellowknife Arr 145.02 1 PKPbc

IDC 02 23:47:36.0... 1.27533:66.71E, h0km, mb3.9/4,
mb1 4.1, mb1mx3.5/64, mbtmp3.9/4, MS3.5/2, Ms1 3.5/2,
ms1mx2.8/58, Error ellipse: s-maj=97.8km
s-min=37.8km az=48.0, Indian Ocean Triple Junction

Table with columns: YKA, LPAZ, Station Name, Time, Res, ISC, h, m, s, ISC. Includes Yellowknife Ar and La Paz.

IDC 02 23:54:21.71, 1.03N, 97.09E, h0km, mb4.1/1.3, mb1 4.1/1.5, mb1mx3.9/6.6, mbtmp4.0/1.5, ML3.7/2, MS3.4/1.1, Ms1 3.4/1.1, ms1mx3.0/6.1, Error ellipse: s-maj=29.6km s-min=16.3km az=51.0

ISCJB 02 23:54:23.7, 0.5, 1.00N, 0.06E, 97.08E, 0.05, h25km, mb4.3/2.1, MS3.4/1.0, Error ellipse: s-maj=8.7km s-min=7.6km az=10.2

NEIC 02 23:54:27.1, 0.4, 1.08N, 97.16E, h35km, mb4.6/2, Error ellipse: s-maj=9.2km s-min=6.8km az=46.0

BUI 02 23:54:27.6, 1.10N, 97.20E, h30km, mb4.6/2, MB4.8/1.5, Ms4.9, Ms7.4/2.5

ISC 02 23:54:26.2, 0.7, 1.12N, 0.07E, 97.17E, 0.08, h25km, n53, az=133/45, mb4.2/2.1, MS3.5/1.0, Northern Sumatara

Main table for station data in the left column, listing various stations like GSI, PSI, PSI, BKN, IPH, KUL, CHAI, PBKT, PHIT, CMAR, PALK, KMI, H0S2, H0S3, H0S1, CD2, FITZ, NJ2, NJ2, GTA, WRA, WRAB, KSH, WMQ, WMQ, ASAR, JUNU, KSAR, KSRS, KSRS, SONM, SONM, SONA, MK01, MK31, MKAR, TLY, MJAR, KURBB, KURKB, USRK, STKA, STKA, ZALV, BVAR, BVAR, BVAR, LSZ, BOSB, ODZ, TXAR.

Table with columns: ASAR, ILAR, Station Name, Time, Res, ISC, h, m, s, ISC. Includes Alice Springs and Eielson Array.

ISCJB 02 23:59:48.8, 1.1, 7.21S, 0.08E, 147.7E, 0.2, h33km, mb3.6/5, Error ellipse: s-maj=32.7km s-min=10.3km az=9.2

IDC 02 23:59:51.0, 0.5, 1.7, 2.7S, 147.83E, h41km, mb3.4/5, mb1 3.8/8, mb1mx3.5/4.9, mbtmp3.8/8, ML3.4/3, MS2.7/1, Ms1 2.7/1, ms1mx2.4/2.8, Error ellipse: s-maj=56.8km s-min=26.5km az=130.0

ISC 02 23:59:50.6, 1.2, 7.25S, 0.1, 147.7E, 0.3, h35km, n9, az=61/10, mb3.7/5, Eastern New Guinea region

Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC. Includes Port Moresby, Charters Tower, WRA, ASAR, FITZ, MKAR, KURBB, ILAR, TORD.

IDC 03 00:19:46.7, 1.7, 5.19N, 91.95E, h0km, mb3.6/4, mb1 4.0/6, mb1mx3.4/6.9, mbtmp3.8/6, ML3.9/1, MS3.1/2, Ms1 3.1/2, ms1mx2.5/5.7, Error ellipse: s-maj=41.6km s-min=26.6km az=39.0

ISCJB 03 00:19:49.3, 1.2, 5.2N, 0.2, 91.96E, 0.08, h33km, mb3.6/4, MS3.2/2, Error ellipse: s-maj=23.3km s-min=10.8km az=177.8

ISC 03 00:19:51.6, 1.4, 5.3N, 0.2, 92.01E, 0.10, h35km, n10, az=126/7, mb3.8/4, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC. Includes PALK, CALK, H0S3, H0S2, H0S1, MKAR, KURBB, WRA, ZALV, GERES.

KRSC 03 00:32:44.7, 1.4, 49.59N, 156.92E, h16km, 29km, ML3.9, Kuril Islands

Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC. Includes SKR, PAU, KDR, ASAK, MTRV, RUS, DALK, UGLR, AVH, SMAR, KRER, SDLR, KRX, SPN, GNL.

JMA 03 00:35:38.4, 0.2, 24.22N, 141.09E, h122km, M4.6, IDC 03 00:35:38.4, 0.2, 24.12N, 141.81E, h109km, mb3.4/6, mb1 3.6/7, mb1mx3.1/6.9, mbtmp3.8/7, Error ellipse: s-maj=35.7km s-min=16.9km az=88.0

ISC 03 00:35:42.0, 1.0, 24.30N, 0.09, 142.1E, 0.2, h151km, n17, az=157/20, mb3.5/6, Volcano Islands region

Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC. Includes JHHJ, CBJJ, CBJJ, CBJJ, JJJ, BSO, BSO, WRA, ASAR, JIRI, DANN, MKAR, KOLN, PYUN, KURBB, YKA, FINES, TORD, PLCA.

ISCJB 03 00:59:41.6, 0.5, 38.86N, 0.03, 27.93E, 0.04, h11km, 4km, Error ellipse: s-maj=6.2km s-min=4.6km az=142.8

CSEM 03 00:59:41.7, 0.1, 38.86N, 27.96E, h5km, ML2.1, Error ellipse: s-maj=3.6km s-min=3.2km az=31.0

Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC. Includes AKHS, Akhisar.

Main table for station data in the right column, listing various stations like AKHS, AKHS, AKHS, STEP, MANT, KULA, KULA, BALB, BALB, BALB, DKL, DKL, DKL, SIMA, SIMA, DURS, DURS, DURS, BLCB, BLCB, BLCB, BLY, BLY, AYDB, AYDB, AYDB, GDZ, GDZ, GDZ, GCAM, GCAM, GCAM, KHAL, KHAL, KHAL, TVSB, TVSB, TVSB, BAYC, BAYC, BAYC, KCTX, KCTX, KCTX, KRBG, KRBG, KRBG, MDNY, MDNY, MDNY, ARMT, ARMT, ARMT, BORA, BORA, BORA.

ISCJB 01 04:36:5.0, 5.24, 14N, 0.05, 122.54E, 0.02, h24km, 6km, Error ellipse: s-maj=7.7km s-min=2.7km az=174.8

JMA 03 01:04:36.0, 0.2, 24.10N, 122.56E, h13km, 4km, M2.6, TAP 03 01:04:36.5, 2.4, 15N, 122.56E, h27km, 1km, ML2.8, D, ISC 03 01:04:36.4, 1.3, 24.15N, 0.05, 122.54E, 0.02, h21km, 5km, n30, az=55/51, 2C, Taiwan region

Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC. Includes JYNG, YONG, YONG, YOJ, YOJ, YOJ, YOJ, EOS1, EOS1, EOS1, ENAH, ENAH, ENAH, NANB, NANB, NANB, TWC, TWC, TWC, ENA, ENA, ENA, NACB, NACB, NACB, TWL, TWL, TWL, ENB, ENB, ENB, TWE, TWE, TWE, ENT1, ENT1, ENT1, NNSB, NNSB, NNSB, IRIF, IRIF, IRIF, NNS, NNS, NNS, WFSB, WFSB, WFSB, HATJ, HATJ, HATJ, YHNB, YHNB, YHNB, CHYB, CHYB, CHYB, EHG, EHG, EHG, JKRS, JKRS, JKRS, YULB, YULB, YULB, JJJ, JJJ, JJJ, FULB, FULB, FULB, SMLT, SMLT, SMLT, JISG, JISG, JISG, TWH, TWH, TWH, CHNS, CHNS, CHNS, CHN1, CHN1, CHN1.

MOS 03 01:18:04.6, 1.0, 10.08N, 93.04E, h46km, mb4.8/6.8, Error ellipse: s-maj=7.8km s-min=4.2km az=113.3

ISCJB 03 01:18:06.7, 0.4, 10.04N, 0.02, 93.01E, 0.02, h6km, 3km, mb4.6/1.37, Error ellipse: s-maj=4.3km s-min=2.8km az=140.3

IDC 03 01:18:07.6, 1.6, 10.11N, 93.12E, h59km, 13km, mb4.2/4.0, mb1 4.2/4.2, mb1mx4.1/7.4, mbtmp4.4/4.2, MS3.6/2.9, Ms1 3.6/2.9, ms1mx3.4/7.2, Error ellipse: s-maj=12.6km s-min=8.3km az=53.0

3d 1h

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DJA 03 01:18:07.5+1.3, 10°N, 93°9'E, h19km, 1km, M4,9/20, mb5.0/20, mb5.3/14, MLv5.2/7, Mw(MB)4.7/14
BUJ 03 01:18:08.5, 10°17'N, 92°98'E, h77km, mb4.7/45, mb4.7/32, Ms4.1/30, Ms7.3/9.2/3
NEIC 03 01:18:09.3+2.1, 10°10'N, 93°10'E, h74km, 3km, mb4.9/56, Error ellipse: s-maj=14.1km s-min=9.9km az=71.0
ISC 03 01:18:08.5+0.4, 10.01°N, 0.04°E, h69km, 3km, h69km, p-P, n-405, c153/445, mb4.7/138, 16C-8D,

KMI comp=Z,220nm,15.3s LR Pn
GTRK comp=Z,280nm,24.3s LR Pn
KULRI comp=Z,280nm,24.3s LR Pn
RAMN comp=Z,280nm,24.3s LR Pn
QIZ comp=Z,280nm,24.3s LR Pn
QIZZ comp=Z,280nm,24.3s LR Pn

KSH Kashi 33.09 335 P Pmax 01 24 36.4 -1.6
WMQ Urumqi 34.01 353 P Pmax 01 24 47.1 +1.3
WMQ 01 25 06.4 -4.1
WMQ 01 25 16.8 +1.4

Andaman Islands region

Table with columns: Code, Station Name, Az, Phase ID, ISC, h, s, Res, ISC. Lists stations like DIGPUR, Banda Aceh, Phuket, LHMH, Meulaboh, etc.

Table with columns: Code, Station Name, Az, Phase ID, ISC, h, s, Res, ISC. Lists stations like JIRN, PKIN, GUN, KKN, KSM, GKN, LSA, LSA, LSA, etc.

Table with columns: Code, Station Name, Az, Phase ID, ISC, h, s, Res, ISC. Lists stations like TARG, Sufi-Kurgan, NARN, NARN, HHC, HHC, HHC, etc.









2012 MAY

Table with columns: Code, Station Name, Az, El, P, M, S, N, R, T, I, O, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values.

Table with columns: Code, Station Name, Az, El, P, M, S, N, R, T, I, O, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values.

Table with columns: Code, Station Name, Az, El, P, M, S, N, R, T, I, O, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Vranov, Modelwitz, Schoentfels, Heukewalde, Moravsky, Tannenbergsgha, Werda, Gunzen, Novy Kostel, Ojcow, Kasperske Hory, Manzenberg, GERRSS Array S, Wetzell, Smolence, Liptovska Anna, Modra-Piesok, Niedzica, Vyhne, Clausthal, Clausthal, Bornholm Skovb, Grafenberg Arr, Conrad Observa, Molin, Molin, Stebnicka Huta, Arzberg, Arzberg, Koelnbreinsper, Koelnbreinsper.

IDC 03 04:35:59.9-5.5, 50.07Sx119.76E, h0km, mb3.6/2, mb1 3.8/3, mb1mx3.5/3b, mbtmp3.6/2, Error ellipse: s-maj=51.8km s-min=66.8km az=109.0, Western

Indian-Antarctic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, H01W3 Cape Leeuwin H, ASAR Alice Springs, WRA Warramunga Arr, YKA Yellowknife Arr.

ISCJB 03 04:36:25.6-0.8, 2.8N, 0.1x89.65E, 0.07, h10km, mb4.2/11, MS3.3/3, Error ellipse: s-maj=18.5km s-min=6.7km az=28.6

IDC 03 04:36:26.7-1.2, 2.90N, 89.55E, h0km, mb3.9/7, mb1 4.0/9, mb1mx3.7/64, mbtmp3.9/9, ML3.7/1, MS3.3/5, Mst 3.3/5, ms1mx2.9/62, Error ellipse: s-maj=42.1km s-min=18.3km az=41.0

NEIC 03 04:36:28.2-0.7, 2.90N, 89.60E, h10km, mb4.7/5, Error ellipse: s-maj=20.8km s-min=9.0km az=21.1

ISC 03 04:36:28.2-1.0, 2.9N, 0.2x89.7E, 0.1, h10km, n45, z=203/36, mb4.5/11, MS3.4/3, North Indian Ocean

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GSI Gunungsitoli, PSI Prapat, PSI Prapat, PALK Pallekele, PALK Pallekele.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KULM Kulim, IPM Ipoh, CMAR Chiang Mai Arr, H0S83 Diego Garcia H, H0S82 Diego Garcia H, H0S81 Diego Garcia H, LEM Lembang, POO Poona, PKIN Phulchoki, DMN Daman, GUN Gumba, KOLN Koldanda, PYUN Piuthan, DANN Dangsing, NIL Nilore, DAV Davao City (W), H01W3 Cape Leeuwin H, H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, MK01 Makanchi Array, MK01 Makanchi Array, MK02 Makanchi Array, MK03 Makanchi Array, MKAR Makanchi Array, SONA Songino Array, SONM Songino Array, SONA Songino Array, KURBB Kuratov Arr, KURK Kurchatov, WR1 Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, AS31 Alice Springs, BVAR Borovoye Array, ABKAR Akbulak array, KBZ Khabarov, BR101 Keskin Array S, BR102 Keskin Array S, TIXI Tiksi, TX31 Lajitas Arr, TX31 Lajitas Arr, TXAR Lajitas Array.

IDC 03 04:53:46.5-3.5, 49.52Sx117.40E, h0km, mb3.6/3, mb1 3.8/3, mb1mx3.5/4, mbtmp3.6/3, Error ellipse: s-maj=133.0km s-min=65.9km az=123.0, Western

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

IDC 03 04:56:13.0-1.0, 21.44N, 108.86W, h0km, mb3.8/7, mb1 4.1/11, mb1mx3.9/53, mbtmp3.9/11, ML3.8/4, Error ellipse: s-maj=32.8km s-min=17.0km az=50.0

NEIC 03 04:56:14.8-0.6, 21.26N, 108.80W, h10km, mb4.1/84, Error ellipse: s-maj=8.8km s-min=5.5km az=212.0

ISCJB 03 04:56:16.7-0.5, 21.34N, 0.05x108.68W, 0.03, h33km, mb4.1/38, Error ellipse: s-maj=7.9km s-min=3.1km az=22.8

ISC 03 04:56:18.7-0.8, 21.46N, 0.09x108.81W, 0.09, h35km, n293, 1169/289, mb4.2/38, Revilla Gigeo Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, YKA Yellowknife Arr, LPIG Lajitas Arr, ZAIG Zacatecas, HPIG Hualapalapa, TX31 Lajitas Arr, TXAR Lajitas Array, 319A Douglas, TLIG Tlapa, MNTX Cortudas Mount, MNTX Cornudas Mount, TUC Tucson, 214A Organ Pipe Nat, 214A Organ Pipe Nat, 121A Cooke Peak, D, 121A Cooke Peak, D, JCT Junction City, JCT Junction City, GLA Glamis, GLA Glamis, BNM Barren Site, IKP In-Ko-Pah, Jac, Y14A Wickenburg, LAZ Lador, X16A Snowflake, MONP2 Monument Peak, Y12C Blythe, Y12C Blythe, BC3 Big Chuckwall, MSTX Muleshoe, MSTX Muleshoe, 109C Camp Elliot, M, ANMO Albuquerque, ANMO Albuquerque, ANMO Albuquerque, PDMCI Parker Dam, Lak, W18A Petrified Forest, 435B Jarrell, ABTX Abilene, Hawle.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ABTX Abilene, Hawle, IRM Iron Mountain, CMIG Matias Romero, XPFO Pison Flat, PFO Pinyon Flats, PFO Pinyon Flats, BELC Belle Mtn. Jos, WUAZ Wupatki, W13A Hualapalapa Mount, HKT Hockley, WHTX Lake Whitney, WHTX Lake Whitney, GMRC Granite Mount, LDFC Landfair, AMTX Amarillo, AMTX Amarillo, HEC Hector, LUDLOW Ludlow, BFSC Mount Baldy Ra, U15A North Rim, TUQ Turquoise Mount, GSC Goldstone, GSC Goldstone, EDW2 Edwards Air Fo, MVCO Mesa Verde, MVCO Mesa Verde, OSI Osito Audit, SHOC Shoshone, Teco, KNB Kanab, WMOK Wichita Mount, LCMT Lost Creek M, SHPR Sheep Range, MHTCO Slick Highway, T25A Trinidad, T25A Trinidad, SRTC Snort, SRTC Snort, NATX Nacogdoches, S22A AUS Ranch, Cre, MPMC Mineral Prospect, SDCO Great Sand Dun, SDCO Great Sand Dun, ISA Isabella, Lake, ISA Isabella, Lake, PKM McPherson Peak, CCUT Cedar City, FURC Furnace Creek, PV05 Paradox Valley, CCIG Comitan, DAC Darwin (Calif), TPNV Topopah Spring, TPNV Topopah Spring, MTPU Mount Pierson, PV10 Paradox Valley, PV04 Paradox Valley, VES Vestal, Richgr, SMMC Simmler, PV09 Paradox Valley, 341A Kurtshoff, MSU Marysville, TCRU Three Creeks R, Q16A Castle Valley, 140A Cam and Jess, PSUT Pine Spring, 241A Mo Tay, Goldon, SRU San Rafael Swe, SMO Snowmass, 342A Flagon Creek P, R11A Troy Canyon, C, R11A Troy Canyon, C, TMUT Trail Mountain, P17A Butcher Ranch, P18A Preston Nutter, KSCO Kaye Shedlock, KSCO Kaye Shedlock, X39A Fountain Ranch, TUL1 Leonard, TUL1 Mina Array, OMMB Old Mammoth Mi, IDSP Idaho Springs, IDSP Idaho Springs, APG El Apazote, NLU North Lily Min, MPU Maple Canyon, MIAR Mount Ida, MIAR Mount Ida, NV11 Mina Array Sit, NV01 Mina Array Sit, NVAR Mina Array Bea, 344A Westbrook Farm, DUGA Duway, Tooele, W39A Magazine, W39A Magazine.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Norrel Spur, Ryan, Basin Creek, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Russelville, Modoc Plateau, Q40A, etc.

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

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SMLA Simla, TGY Tagaytay City, DHRM DHARAMSHALA, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like OTUK, GEYT Alibeck, GEYT Alibeck, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like VORD Divnogorie, VORD Divnogorie, VSR Storozhevo, etc.



Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like PRU Pruhonice, PVCS Panska Ves, and many others.

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like RES Resolute Bay, DBIC Dimbokro, YKA Yellowknife Ar, and many others.

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like ELP El Paso, MNTX Cornudas Mount, and many others.



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Table of weather forecasts for the left column, including stations like WMOK, KNB, LRMC, SHPR, MHFTCO, T25A, SBC, PKCU, NATX, S22A, S22A, MPMC, CCIG, FIGC, ISA, ISA, SDCO, SDCO, PKM, CCUT, PV05, FURC, PV01, DAC, DAC, TPNV, TPNV, TPNV, TPNV, 441A, MTPU, PV10, PV04, VES, SMCC, S42C, S42C, PV09, 240A, 341A, GRAC, MSU, MSU, 442A, RCTC, PAGB, 543A, 140A, Q16A, Q16A, TIN, PSUT, 241A, SRU, SRU, SRU, 342A, Q24A, Q24A, SMCO, 443A, R11A, TMUT, 141A, 240A, 544A, P17A, PMPB, P18A, 242A, 343A, 645A, KSCO, KSCO, MLAC, X39A, TUL1, OMMB, Z41A, Z41A, MDPB, MDPB, APG, APG, ISCO.

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Table of weather forecasts for the middle column, including stations like ISCO, ISCO, ISCO, 545A, Y40A, 243A, 142A, 444A, O20A, O20A, NLU, MPU, MIAR, MIAR, MIAR, NV11, NV01, NV01, NVAR, 646A, Y41A, 445A, 344A, CBKS, W39A, W39A, Z42A, DUG, DUG, DUG, RYN, 143A, X40A, X40A, X40A, JLU, 244A, KVN, KVN, KVN, W40A, CMB, X41A, CTU, 345A, W40A, W40A, Z43A, VBMS, VBMS, RDG18, V39A, N23A, N23A, UALR, YERR, 446A, 144A, TCUT, BGU, 245A, PNTR, 346A, W41B, W41B, W41B, V40A, V40A, U39A, T38A, PHWY, ELK, ELK, ELK, ELK, SPUT, Y43A, Z44A, RUBR, VCNR, 145A, RWY, BMN, BMN, BMN, HWUT, HWUT, OGNB.

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Table of weather forecasts for the right column, including stations like OGNB, 447A, PAHR, U40A, AFDM, V41A, 246A, X43A, X43A, W42A, KSU, KSU, T39A, HVU, HVU, HVU, Y44A, 347A, S38A, Z45A, 146A, 247A, BEKR, V42A, W43A, U41A, X44A, 448A, S39A, Y45A, R38A, ORV, ORV, ORV, GDXM, T40A, Z46A, 348A, K22A, K22A, BW06, BW06, PD31, PDAR, PDAR, PDAR, U42A, HOPS, AHID, 147A, S40A, V43A, X45A, 449A, OXF, OXF, OXF, T41A, Y46A, W44A, 248A, R39A, 349A, BRAL, BRAL, Z47A, Q38A, O03D, O03D, S41A, T42A, U43A, BGNE, V44A, 148A, P37A, REDW, 450A, W45A, 249A, R40A, SNOW, X46A, TPAW, PBMO, KCPM.

LOHW	Long Hollow comp=Z,66nm,1.2s comp=Z,18nm,1.1s	22.25	357	eP	P	P	05 04 52.5	+0.7
Q39A	Willow Grove F baz=22,SNR=16	22.26	34	P	P	P	05 04 51.4	-0.2
Z48A	Northport baz=242	22.30	53	P	P	P	05 04 51.8	-0.3
FXWY	Fox Creek comp=Z,24nm,1.0s	22.30	356	eP	P	P	05 04 52.6	+0.3
Y47A	UCPARC, Winfie baz=241,SNR=7.7	22.33	52	P	P	P	05 04 51.7	-0.7
MOOW	Moose Ponds comp=Z,20nm,0.9s	22.39	356	eP	P	P	05 04 53.9	+0.7
P38A	Dawn baz=220,SNR=8.4	22.41	32	P	P	P	05 04 52.4	-0.8
350A	Dozier baz=248	22.45	59	P	P	P	05 04 53.0	-0.7
WDC	Whiskeytown Da comp=Z,12nm,1.1s	22.45	332	eP	P	P	05 04 54.7	+1.1
WDC	Whiskeytown Da comp=Z,12nm,1.1s	22.45	332	eP	P	P	05 04 54.7	+1.1
T43A	Greenville baz=230,SNR=28	22.45	42	P	P	P	05 04 53.1	-0.6
U44A	Portageville baz=233	22.47	44	P	P	P	05 04 52.5	-1.4
V45A	Humboldt baz=242	22.51	46	P	P	P	05 04 52.8	-1.5
CCM	Cathedral Cave comp=Z,25nm,1.1s	22.51	38	eP	P	P	05 04 54.8	+0.5
CCM	Cathedral Cave comp=Z,25nm,1.1s	22.51	38	eP	P	P	05 04 54.8	+0.5
O37A	Wolfen Farm, M baz=218	22.53	30	P	P	P	05 04 53.0	-1.5
149A	Jones baz=245	22.54	56	P	P	P	05 04 54.3	-0.4
IMW	Indian Meadow comp=Z,12nm,1.1s	22.55	356	eP	P	P	05 04 56.6	+1.5
LRAL	Lakeview Retre baz=244,SNR=8.3	22.57	54	eP	P	P	05 04 54.6	-0.4
LRAL	Lakeview Retre comp=Z,49nm,1.1s	22.57	54	eP	P	P	05 04 56.2	+1.2
W46A	Michie baz=238	22.57	48	P	P	P	05 04 53.6	-1.4
S42A	Caledonia baz=228,SNR=22	22.59	40	P	P	P	05 04 54.3	-0.8
WVOR	Wild Horse Val comp=Z,25nm,1.0s	22.59	341	eP	P	P	05 04 57.5	+2.2
WVOR	Wild Horse Val comp=Z,25nm,1.0s	22.59	341	eP	P	P	05 04 57.5	+2.2
U44B	Burton Farm, H baz=234	22.59	44	P	P	P	05 04 54.8	-0.4
R41A	Rosebud baz=226,SNR=22	22.60	38	P	P	P	05 04 54.4	-0.9
X47A	Russville baz=240	22.62	50	P	P	P	05 04 54.7	-0.9
HLID	Hailey baz=166,SNR=26	22.64	349	eP	P	P	05 04 56.8	+1.0
HLID	Hailey comp=Z,14nm,1.1s	22.64	349	eP	P	P	05 04 57.0	+1.2
451A	Vernon baz=251	22.65	61	P	P	P	05 04 54.6	-1.3
MOD	Modoc Plateau comp=Z,24nm,1.1s	22.67	337	eP	P	P	05 04 58.6	+2.4
N36A	Muff Farm, Cla baz=215	22.68	28	P	P	P	05 04 55.2	-1.0
KMRM	Mali Ridge comp=Z,36nm,1.0s	22.70	329	eP	P	P	05 04 58.9	+2.5
P39B	Salisbury baz=222,SNR=14	22.70	34	P	P	P	05 04 55.3	-1.1
Q40A	Laux Farm, Aux baz=224,SNR=24	22.70	36	P	P	P	05 04 55.5	-0.9
250A	Grady baz=247,SNR=9.3	22.70	58	P	P	P	05 04 56.5	+0.1
PLAL	Pickwick Lake comp=Z,23nm,1.0s	22.70	49	eP	P	P	05 04 56.6	+0.2
MFID	Camas Ranch comp=Z,4.8nm,1.0s	22.77	347	eP	P	P	05 04 58.4	+1.3
O38A	Galt baz=219	22.82	32	P	P	P	05 04 56.6	-1.0
Y48A	Jasper baz=242	22.83	52	P	P	P	05 04 56.9	-0.9
N02D	Trinity Center baz=145	22.84	332	P	P	P	05 04 58.3	+0.4
552A	Lynn Haven baz=253	22.88	63	P	P	P	05 04 57.1	-1.2
T44A	Bentone Val baz=232	22.89	43	P	P	P	05 04 57.5	-0.8
S43A	Fulton Ridge baz=230,SNR=7.6	22.89	41	P	P	P	05 04 54.4	-0.9
ESTN	Estel comp=Z,25nm,1.1s	22.92	107	eP	P	P	05 05 02.5	+3.6
YPP	Pitchstone Pla comp=Z,8.7nm,1.1s	22.92	356	eP	P	P	05 05 01.9	+3.0
R42A	Luebbering baz=227,SNR=5.9	22.93	39	P	P	P	05 04 57.4	-1.3
N37A	Lee Faris, Mou baz=217	22.97	29	P	P	P	05 04 58.6	+0.6
351A	Pinckard baz=250	22.98	60	P	P	P	05 04 58.4	-0.9
U45A	Rockin P Farm, baz=234	22.98	45	P	P	P	05 04 58.4	-0.9
Z49A	Columbiana baz=244,SNR=13	22.99	54	P	P	P	05 04 58.9	-0.5
H17A	Grant Village baz=176,SNR=17	23.05	9	P	P	P	05 05 02.0	+2.0
RSSD	Black Hills baz=191	23.05	9	P	P	P	05 05 09.6	-0.6
YFT	Old Faithful comp=Z,15nm,1.1s	23.10	356	eP	P	P	05 05 03.2	+2.5
P40A	Paris baz=223,SNR=17	23.10	35	P	P	P	05 04 59.7	-0.8
V46A	Holladay baz=224,SNR=13	23.11	47	P	P	P	05 04 59.3	-1.3
Q11A	Truxton baz=225,SNR=21	23.14	37	P	P	P	05 05 00.1	-0.8
150A	Eclectic baz=246,SNR=33	23.14	56	P	P	P	05 05 00.6	-0.3
M04C	Macdoel baz=148,SNR=17	23.15	335	P	P	P	05 05 01.5	+0.3
X48A	Hartselle baz=241,SNR=10.0	23.18	51	P	P	P	05 04 59.9	-1.4
W47A	Westport baz=238,SNR=12	23.18	49	P	P	P	05 05 00.3	-1.1
452A	Marianna baz=251	23.18	61	P	P	P	05 04 59.4	-2.0
KHMM	Horse Mountain comp=Z,34nm,1.2s	23.22	330	eP	P	P	05 05 03.2	+1.3
M02C	Callahan baz=145	23.25	332	P	P	P	05 05 00.8	-1.3
M36A	Felix, Anita baz=214	23.27	27	P	P	P	05 05 01.1	-1.1
JCC	Jacoby Creek, comp=Z,20nm,0.9s	23.32	330	eP	P	P	05 05 05.6	+3.0
YMR	Madison River comp=Z,32nm,1.2s	23.33	356	eP	P	P	05 05 05.2	+2.3
Y49A	Blount Mountai baz=243	23.37	53	P	P	P	05 05 01.8	-1.5
U46A	Springville baz=235	23.38	46	P	P	P	05 05 02.0	-1.4
O39A	Kirksville baz=221	23.38	33	P	P	P	05 05 02.3	-1.1
J08A	Circle Bar Ran comp=Z,48nm,1.0s	23.38	342	eP	P	P	05 05 04.3	+0.9
K33A	Harding baz=206,SNR=18	23.39	22	P	P	P	05 05 02.8	-0.6
YHB	Horse Butte comp=Z,12nm,1.1s	23.42	356	eP	P	P	05 05 06.4	+2.4
251A	Midway baz=248,SNR=5.7	23.43	58	P	P	P	05 05 02.6	-1.2
R43A	Red Bud baz=229	23.43	40	P	P	P	05 05 02.5	-1.4
J31A	Geddes baz=204	23.44	19	P	P	P	05 05 03.3	-0.6
YHH	Holmes Hill comp=Z,18nm,1.2s	23.44	356	eP	P	P	05 05 05.7	+1.5
T45A	Paducah baz=233	23.45	44	P	P	P	05 05 02.4	-1.6
N38A	Joos South For baz=219	23.46	31	P	P	P	05 05 02.7	-1.4
YBH	Yreka Blue Hor comp=Z,4.8nm,1.1s,baz=97,slow=8.5,SNR=5.2	23.47	333	P	P	P	05 05 03.3	-1.0
YBH	comp=Z,7um,19.4s,baz=151,slow=37						05 14 12.3	

YBH	Yreka Blue Hor comp=Z,8.8nm,1.1s	23.47	333	eP	P	P	05 05 04.4	+0.1
S44A	Carbondale baz=231	23.47	42	P	P	P	05 05 02.0	-2.2
Z50A	Ashland baz=245,SNR=31	23.48	55	P	P	P	05 05 04.0	-0.4
WVT	Waverly baz=236	23.48	47	P	P	P	05 05 03.0	-1.4
WVT	Waverly comp=Z,27nm,1.1s	23.48	47	eP	P	P	05 05 04.1	-0.3
WVT	Waverly comp=Z,27nm,1.1s	23.48	47	eP	P	P	05 05 04.1	-0.3
SLM	Salt Lake comp=Z,27nm,1.1s	23.49	39	eP	P	P	05 05 10.2	+5.8
Q42A	Golden Eagle baz=227	23.50	38	P	P	P	05 05 03.2	-1.4
QLMT	Earthquake Lak Nunnery	23.52	355	eP	P	P	05 05 06.8	+1.9
V47A	Nunnery baz=238,SNR=9.7	23.53	48	P	P	P	05 05 03.7	-1.2
M37A	Trindle Farm, baz=216	23.56	29	P	P	P	05 05 04.6	-0.5
W48A	Pulaski baz=240,SNR=12	23.59	50	P	P	P	05 05 04.8	-0.7
352A	Blakely baz=250	23.59	60	P	P	P	05 05 04.9	-0.7
K05A	Summer Lake comp=Z,54nm,1.1s	23.60	337	eP	P	P	05 05 07.3	+1.6
553A	Crawfordville baz=253	23.61	63	P	P	P	05 05 02.9	-2.8
O40A	La Belle baz=242,SNR=19	23.63	34	P	P	P	05 05 05.0	-0.8
151A	Opelika baz=247,SNR=19	23.65	57	P	P	P	05 05 04.5	-1.6
MCMT	McKenzie Canyo Red Lodge	23.65	353	eP	P	P	05 05 07.8	+1.5
RLMT	Red Lodge comp=Z,9.5nm,1.0s	23.71	359	eP	P	P	05 05 08.0	+1.2
RLMT	Red Lodge comp=Z,9.5nm,1.0s	23.71	359	eP	P	P	05 05 07.5	+0.7
X41A	Woodville baz=244,SNR=9.7	23.73	52	P	P	P	05 05 05.8	-1.0
P49A	Sarry Barn baz=224,SNR=14	23.74	36	P	P	P	05 05 06.3	-0.5
J32A	Parkston baz=206	23.79	20	P	P	P	05 05 06.8	-0.4
K04D	Chilunin, OR baz=149	23.83	336	P	P	P	05 05 07.3	-0.6
L36A	Harm Buss Farm baz=214	23.86	27	P	P	P	05 05 07.0	-1.0
N39A	Derby Farms, D baz=230	23.88	32	P	P	P	05 05 07.7	-0.4
S45A	Carrier Mills baz=232	23.89	43	P	P	P	05 05 07.8	-0.5
Y50A	Piedmont baz=243,SNR=19	23.89	54	P	P	P	05 05 07.8	-0.6
453A	Whigham baz=252	23.89	62	P	P	P	05 05 07.5	-0.9
252A	Lumpkin baz=251	23.92	59	P	P	P	05 05 08.0	-0.7
R44A	Waltonville baz=230,SNR=9.5	23.93	41	P	P	P	05 05 08.4	-0.3
T46A	Princeton baz=235,SNR=12	23.95	45	P	P	P	05 05 08.1	-0.9
M38A	Pleasanton baz=240,SNR=10.0	23.96	30	P	P	P	05 05 08.0	-1.0
V48A	Smith Brothers baz=239	23.97	49	P	P	P	05 05 07.5	-1.7
Q43A	New Douglas baz=228	24.00	39	P	P	P	05 05 08.7	-0.7
U47A	Clarksville baz=237,SNR=22	24.02	47	P	P	P	05 05 08.7	-0.9
J33A	Davis baz=238	24.03	22	P	P	P	05 05 08.8	-0.8
P42A	Winchester baz=226,SNR=16	24.07	37	P	P	P	05 05 08.9	-1.1
353A	Camilla baz=251	24.13	61	P	P	P	05 05 08.8	-1.8
O41A	Pasleys Farm, baz=224,SNR=15	24.15	35	P	P	P	05 05 10.2	-0.5
DLMT	Dillon comp=Z,13nm,1.1s	24.15	353	eP	P	P	05 05 13.6	+2.7
K35A	Storm Lake baz=212	24.15	25	P	P	P	05 05 10.2	-0.5
I31A	Royce, Wessing baz=204	24.17	18	P	P	P	05 05 10.2	-0.8
L02D	Cave Junction, baz=145	24.20	332	P	P	P	05 05 10.6	-0.6
554A	Perry baz=254	24.20	64	P	P	P	05 05 10.6	-0.8
J05D	Fort Rock, OR baz=211,SNR=27	24.21	337	P	P	P	05 05 10.0	-1.5
L37A	Phoenix Point, baz=216,SNR=13	24.27	28	P	P	P	05 05 11.5	-0.4
BOZ	Bozeman (W) baz=174,SNR=14	24.30	355	P	P	P	05 05 13.5	+1.3
BOZ	Bozeman (W) comp=Z,9.8nm,1.0s	24.30	355	eP	P	P	05 05 13.8	+1.5
BOZ	Bozeman (W) comp=Z,9.8nm,1.0s	24.30	355	eP	P	P	05 05 13.8	+1.5
N00Z	comp=Z,10.0nm,1.0s	24.33	33	P	P	P	05 05 11.4	-1.1
SCIA	Mertquaque, Sal baz=222	24.34	33	P	P	P	05 05 11.3	-1.2
I07A	State Center baz=217,SNR=13	24.35	29	P	P	P	05 05 14.3	+1.6
J34A	George comp=Z,14nm,1.1s	24.35	341	eP	P	P	05 05 12.3	-0.3
Q44A	Mey Farm, Va baz=230	24.38	40	P	P	P	05 05 12.5	-0.4
GCMT	Greycliff baz=230	24.39	359	eP	P	P	05 05 14.9	+1.8
K36A	Gilmore City baz=214	24.40	26	P	P	P	05 05 12.6	-0.4
454A	Quitman baz=253	24.42	62	P	P	P	05 05 12.0	-1.3
655A	Horseshoe Beac baz=256	24.42	65	P	P			

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Table with columns: ID, Name, Comp, Time, Diff, Status, etc. Includes entries like 37A Dierke Farm, C, 26.63 26 P P, 05 05 30.6 -2.6, 39A Houston, 26.64 29 P P, 05 05 29.7 -3.6, etc.

Table with columns: ID, Name, Comp, Time, Diff, Status, etc. Includes entries like COWI Conover, 29.45 28 eP P, 05 05 58.2 -0.2, G43A Wallace, 29.49 31 P P, 05 05 57.6 -1.1, etc.

Table with columns: ID, Name, Comp, Time, Diff, Status, etc. Includes entries like SCHQ comp=Z,4.5nm,0.7s,baz=248,slow=14,SNR=3.6, SCHQ Schefferville, 45.88 33 eP P, 05 08 16.0 -0.9, etc.



3d 5h

Table with columns for station code, name, frequency, power, and signal strength. Includes stations like MDPB Devils Postpil, MIAR Mount Ida, and O20A White River Ci.

2012 MAY

Table with columns for station code, name, frequency, power, and signal strength. Includes stations like OXF Oxford, T41A Mountain View, and AHID Auburn Hatcher.

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Table with columns for station code, name, frequency, power, and signal strength. Includes stations like RLMT Red Lodge, K05A Summer Lake, and N39A Derby Farms.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like J39A Decora, 256A Glennville, H36A Jesseland, etc.

Code Station Name Az AzZ Phase ID Time Res ISC h m s ISC
J39A Decora 25.79 29 P P 05 23 18.3 -0.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LPIG La Paz, TXAR Lajitas Array, CMIG Matias Romero, etc.

DJA 03 05:43:59.1±1.3, 2.2N, 111.97E, h10km, M3.8/6, ML3.8/6, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GSI Gunungstiti, KCSI Kotacane, MLIJ Metulaboh, etc.

IDC 03 05:58:11.4±1.5, 4.58S, 153.15E, h0km, mb3.8/5, mb1 4.0/5, mb1mx3.6/48, mbtmp3.8/5, Error ellipse: s-maj=52.9km s-min=28.5km az=99.0

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

MEX 03 06:05:55.6±0.5, 16.28N, 98.30W, h3km±5km, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PNIG Pinotepa, TLIG Tlapa, CAIG El Cayaco, etc.

IDC 03 06:14:57.1±4.3, 30.59S, 137.99E, h0km, mb1 2.9/3, mb1mx2.8/43, mbtmp2.7/3, ML2.5/3, Error ellipse: s-maj=92.1km s-min=17.2km az=40.0, South Australia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like STKA Stephens Creek, STKA Inuvik, STKA Andir, etc.

NEIC 03 06:24:25.6±0.0, 36.04N, 33.73E, h5km, ML4.0, (DDA), ML3.8(NIC), ML4.0(ISK), After ISK

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like STKA Stephens Creek, STKA Inuvik, STKA Andir, etc.

CSEM 03 06:24:27.0±1.1, 36.03N, 33.72E, h2km, ML4.1, Error ellipse: s-maj=3.4km s-min=2.8km az=87.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AKK1 Akkuyu-Mersin, AKK1 Akkuyu-Mersin, AKK1 Akkuyu-Mersin, etc.

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

Code Station Name Az AzZ Phase ID Time Res ISC h m s ISC
ERMK Mammari 0.94 204 P S Sg 06 24 53.8 ±0.5





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

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

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

2012 MAY

3d 6h

3d 7h

Table with columns: VIVF, LRW, LRW, SBUM, TCF, MDSI, KKM, DRUM, HPK, HPK, EDM, EDM, ES, MCD, MBAR, MBAR, MBAR, MBAR, EKA, EKA, EAB, KAC, YSS, YSS, YSS, KSB, MAJO, MAJO, MAJO, MJAR, MJAR, KPL, MYLDM, MA2, MA2, SEY, DAG, BBKI, SCO, ES19, TAM, TAM, TAM, ESDC, BORG, OPO, BILL, BILL, BILL, BILL, MRSI, ABPO, ABPO, PETK, SUMG, SUMG, SUMG, TULEG, TULEG, LSZ, LSZ, TOAO, TORO, RES, RES, RES, KOWA, KOWA, TOLK, TOLK, TOLK, IM3, MLY, INK, INK, INK, INK, LBTB, LBTB, LBTB, DBIC, KIC, TSMU, MDM, TIC, BPWA, COLA, COLA, LIC, FITZ, CCB, CAST, WRH, IL1, ILAR

2012 MAY

Table with columns: ILB, KTH, PPLA, TRF, MCK, MCK, MCK, RND, RND, RND, SCRK, RIDG, DHY, DOT, PAX, PAX, PAX, DAWY, SML, SML, SML, BOSA, BOSA, BOSA, BOSA, HARP, KLU, KDAK, HYT, HYT, HYT, NWAO, YKA, WRA, WRAB, WRAB, WRAB, WB2, AS31, ASAR, AS01, AS01, FCC, FCC, FCC, FCC, FFC, FFC, FFC, CTA, STKA, SNA, QSPA, OTAV, OTAV, PLCA, NSSP, DDA, TEH, CSEM, ISC, Code, Station Name, A° AZ°, Phase ID, Time, Res, ISC

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Table with columns: IHRS, IHRS, SIHRN, SIHRN, SIHRN, GNI, GNI, GNI, SRM, SRM, SRM, GRMI, GRMI, GDB, GDB, GANJ, GANJ, LRK, LRK, GLBA, GLBA, ASR, ASR, NIED, NIED, JMA, JMA, JMA, IDC, IDC, IDC, ISC, ISC, ISC, Code, Station Name, A° AZ°, Phase ID, Time, Res, ISC

Table with columns for station name, frequency, mode, and other parameters. Includes stations like KZV, Kizimen, TUMR, Kamenistaya, etc.

Table with columns for station name, frequency, mode, and other parameters. Includes stations like YAKUTSK, Erimo, KUDUR, etc.

Table with columns for station name, frequency, mode, and other parameters. Includes stations like NV01, NVAR, NV11, FXWY, etc.

NIED 03 07:41:00.40:00N-143:60E, h14km, Mw3.8 Best double couple: Me:6.50000+1014 NP1:166.00000; L:219.00000, 1.48.000000. NP2:32.00000; R:110.000000.

ISCJB 03 07:41:33.0:0.6.39:98N:0.03:143:65E:0.05, h6km, mb3.5/11, MS3.2/2, Eror ellipse: s-maj=6.4km

IDC 03 07:41:33.2:0.9.39:93N:143:71E, h0km, mb3.5/11 mb1.3/7.14, mb1mx3.5/7.3, mbmt3.5/14, ML2.9/4, MS3.2/4, MS1.3.2/4, ms1mx2.6/6.5, Eror ellipse: s-maj=20.2km

s-min=3.7km az=35.1 JMA 03 07:41:34.0:0.8.39:93N:143:56E, h19km, Mw3.8

ISCJ 03 07:41:35.6:0.2.40:02N:143:56E, h19km, Mw3.8

ISCJ 03 07:41:34.0:0.8.39:93N:0.05:143:63E:0.06, h6km, n38, s-1809/41, mb3.6/11, Off east coast of Honshu

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

2012 MAY

Table with columns: AAK, Ala-Archa, 50.66 297 LR, 08 12 25.4, etc.

CSEM 03 07:44:46.8±0.0, 60.87N:28.98E, h2km, ML2.4, Error ellipse: s-maj=17.9km s-min=8.5km az=126.0, Mining explosion.

ISCJB 03 07:44:46.1±0.9, 60.91N:0.04:28.8E:0.1, h0km, Error ellipse: s-maj=7.9km s-min=4.7km az=31.4

NAO 03 07:44:48.1±1.6, 60.77N:28.79E, ML2.5 HEL 03 07:44:48.1±0.4, 60.87N:28.93E, h0km, ML2.4, Explosion BER 03 07:44:48.9±5.3, 60.85N:28.95E, h0km, 25km, ML2.5(NAO)

IDC 03 07:44:49.4±1.9, 60.83N:28.87E, h0km, mb1.3/3.3, mb1mx2.9/67, mbtmp3.2/3, ML3.0/3, Error ellipse: s-maj=16.3km s-min=12.2km az=171.0

UPP 03 07:44:51.2±2.7, 60.85N:28.64E, h0km, ML1.7 ISC 03 07:44:48.1±1.1, 60.91N:0.03:28.68E:0.06, h0km, n47, c=1568/75, Finland-Karelia border region

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

mb1.3/8.6, mb1mx3.4/67, mbtmp3.6/6, ML3.1/3, MS2.9/1, Ms1.3/2.1, ms1mx2.3/41, Error ellipse: s-maj=43.3km s-min=21.6km az=85.0

ISCJB 03 08:12:07.6±1.0, 25.0N:0.1:143.1E:0.3, h33km, mb3.4/6, MS2.9/1, Error ellipse: s-maj=34.2km s-min=11.8km az=162.0

ISC 03 08:12:09.9±1.2, 25.1N:0.1:142.9E:0.3, h35km, n11, c=0592/8, mb3.6/6, Volcano Islands region

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

WEL 03 08:13:44.1±5.3, 3.167E:7, h51km, 5km, ML3.8/10, South Island

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

IDC 03 08:13:57.6±0.9, 14.116N:93.10W, h0km, mb4.0/18, mb1.4/2.22, mb1mx4.1/55, mbtmp4.0/22, ML3.8/4, MS3.9/25, Ms1.3/9.25, ms1mx3.8/42, Error ellipse: s-maj=30.0km s-min=12.1km az=43.0

ISCJB 03 08:14:02.9±0.6, 14.33N:0.03:92.93W:0.03, h43km, 5km, mb4.1/74, MS4.0/24, Error ellipse: s-maj=6.8km s-min=3.7km az=41.3

NEIC 03 08:14:04.7±0.0, 14.41N:93.20W, h15km, mb4.2/73, MD4.2(MEX), After MEX.

MEX 03 08:14:04.7±0.4, 14.41N:93.20W, h15km, MD4.0 GCMT 03 08:14:04.7±0.6, 14.33N:93.48W, h20km, 1km, MW4.9/67, Moment Tensor Solution: s17, c20, s67, c91; Duration: CCIG 0 Moment tensor: Scale 10Nm; M2.2±1.9; Mw-1.75±.13; Ms-0.46±.11; Mo-0.53±.21; Mo0.77±.07; Mw-1.18±.21; Best double couple: Mo2.50300±1016 NP1±133.00000°, s60.00000°, A.108.00000°. NP2: o±281.00000°, s35.00000°, A.63.00000°. Principal axes: T 2.6680, Plg70.0000°, Azm81.0000°; N -0.3330, Plg15.0000°, Azm304.0000°; P -2.3370, Plg13.0000°, Azm210.0000°; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s.

ISC 03 08:14:04.7±1.2, 14.34N:0.06:92.98W:0.06, h45km, 10km, n263, c1935/252, mb4.2/73, MS4.0/24, Near coast of Chiapas

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

Main station list table with columns: WHTX, Lake Whitney, 18.04 348 eP, 08 18 16.1 +4.0, etc.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Rattle, Elevation Rattle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Whistle, Elevation Whistle, Azimuth Scream, Elevation Scream, Azimuth Roar, Elevation Roar, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Moan, Elevation Moan, Azimuth Groan, Elevation Groan, Azimuth Grunt, Elevation Grunt, Azimuth Gasp, Elevation Gasp, Azimuth Gasp, Elevation Gasp, Azimuth Sigh, Elevation Sigh, Azimuth Scream, Elevation Scream, Azimuth Roar, Elevation Roar, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Moan, Elevation Moan, Azimuth Groan, Elevation Groan, Azimuth Grunt, Elevation Grunt, Azimuth Gasp, Elevation Gasp, Azimuth Gasp, Elevation Gasp, Azimuth Sigh, Elevation Sigh.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Rattle, Elevation Rattle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Whistle, Elevation Whistle, Azimuth Scream, Elevation Scream, Azimuth Roar, Elevation Roar, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Moan, Elevation Moan, Azimuth Groan, Elevation Groan, Azimuth Grunt, Elevation Grunt, Azimuth Gasp, Elevation Gasp, Azimuth Gasp, Elevation Gasp, Azimuth Sigh, Elevation Sigh.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Rattle, Elevation Rattle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Whistle, Elevation Whistle, Azimuth Scream, Elevation Scream, Azimuth Roar, Elevation Roar, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Moan, Elevation Moan, Azimuth Groan, Elevation Groan, Azimuth Grunt, Elevation Grunt, Azimuth Gasp, Elevation Gasp, Azimuth Gasp, Elevation Gasp, Azimuth Sigh, Elevation Sigh.



3d 9h

2012 MAY

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Table of astronomical observations for stations Ostrava-Krasne, Chorzow, Vranov, etc. Columns include station name, coordinates, and observation details.

Table of astronomical observations for stations LUND, LUNU, PSZ, etc. Columns include station name, coordinates, and observation details.

Table of astronomical observations for stations TNTI, DAV, MRSI, etc. Columns include station name, coordinates, and observation details.

ISK 03 09:25:46.1, 37.30N-28.34E, h8km, ML2.3/8
ISCJB 03 09:25:47.1, 0.7, 37.28N, 0.04, 28.34E, 0.05, h0km, Error ellipse: s-maj=7.0km s-min=4.3km az=141.1
CSEM 03 09:25:47.8, 0.5, 37.23N-28.27E, h1km, ML2.3, Error ellipse: s-maj=14.2km s-min=7.7km az=42.0, Suspected Mining explosion.
DDA 03 09:25:49.0, 37.22N-28.26E, h7km, ML2.7, Suspected Mining explosion.
ISC 03 09:25:46.1, 0.9, 37.33N, 0.04, 28.34E, 0.04, h0km, n22, o061/29, Turkey
Code Station Name Az AZ Phase ID Time Res













Table with columns for station call letters, frequency, and signal strength. Includes stations like KMI Kunming, KMI 48.28 84, KMI 10 18 17.1 0.0, etc.

Table with columns for station call letters, frequency, and signal strength. Includes stations like CLNS comp=E,16nm,1.5s, TXI Tiksi, TXI 56.47 22 P, etc.

Table with columns for station call letters, frequency, and signal strength. Includes stations like TYV comp=Z,29nm,1.6s, DBJ1 Dramaga, DBJ2 Magelang, etc.







3d 10h

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Table with columns: Call Sign, Frequency, Mode, Power, SNR, and other technical details. Includes stations like ARAO, ARCES, FINES, TNTI, VSU, TTSI, LEM, AKASG, etc.

Table with columns: Call Sign, Frequency, Mode, Power, SNR, and other technical details. Includes stations like NORA, VTS, VTS, VTS, BSD, OKC, OKC, VYHS, VYHS, VYHS, etc.

Table with columns: Call Sign, Frequency, Mode, Power, SNR, and other technical details. Includes stations like ARSA, KHC, KHC, KHC, GROS, GEC2, GERES, GEA0, ITM, MOA, NKC, PERS, SOKA, OBKA, KBA, MYKA, GRFO, GRFO, TRI, TRI, TRI, ABTA, WTTA, WATA, TOLK, TOLK, MOTA, IM3, RETA, FETA, TIP, TIP, COLD, CUC, DAVA, FUORN, AQU, AQU, BFO, BFO, SCO, SCO, SCO, MEM, CEL, TUE, MLY, WLF, WLF, WLF, WLF, BCLA, ECH, ECH, VLC, SVW2, BPAW, CAST, SNF, DOU, PPLA, KTH, FYU, MDM, COLA, COLA, COLA, SENIN, TULEG, TRF, VAE, CCB, WRH, MCK, MCK, MCK, SUMG, SUMG, SUMG, ILI, ILAR, ILB, SKT.

RND	Reindeer	63.48	28	eP	P	10 30 07.5 +0.7
RND	Reindeer	63.48	28	eP	Pmax	10 30 07.5 +0.7
HDA	Harding Lake	63.54	26	eP	P	10 30 06.1 -0.8
FITZ	Fitzroy Crossi	63.54	151	eP	P	10 30 07.6 0.0
EKA	Eskdalemuir Air	63.72	321	eP	P	10 30 08.9 +0.5
EKA	Eskdalemuir Air	63.72	321	eP	LR	10 58 17.2
BNI	Bardonecchia	63.97	308	eP	P	10 30 09.3 -1.1
BNI	Bardonecchia	63.97	308	eP	P	10 30 09.4 -1.1
BNI	Bardonecchia	63.97	308	eP	Pmax	10 30 09.4 -1.1
SUA	Susitna One	63.98	30	eP	P	10 30 10.3 +0.1
DHY	Denali Highway	64.21	27	eP	P	10 30 11.6 -0.1
MWB	Marble Bar	64.46	158	eP	P	10 30 13.5 -0.1
GHO	Glory Hole Cre	64.47	29	eP	P	10 30 13.8 +0.4
PMR	Palmer	64.51	29	eP	P	10 30 13.5 0.0
PMR	Palmer	64.51	29	eP	Pmax	10 30 13.5 0.0
PMR	Palmer	64.51	29	eP	Pmax	10 30 13.5 0.0
RC01	Rabbit Creek A	64.60	30	eP	P	10 30 14.2 +0.2
RIDG	Independen't Rid	64.65	26	eP	P	10 30 14.0 -0.5
SML	Sawmill	64.67	29	eP	P	10 30 15.1 +0.5
SML	Sawmill	64.67	29	eP	P	10 30 15.1 +0.5
SML	Sawmill	64.67	29	eP	Pmax	10 30 15.1 +0.5
RES	Resolute Bay	64.71	4	eP	P	10 30 14.7 +0.1
RES	Resolute Bay	64.71	4	eP	P	10 30 14.7 +0.1
RES	Resolute Bay	64.71	4	eP	Pmax	10 30 14.7 +0.1
INK	Inuvik	64.73	19	eP	P	10 30 14.7 -0.1
INK	Inuvik	64.73	19	eP	P	10 30 14.6 -0.1
SCRK	Sand Creek	64.78	26	eP	P	10 30 15.1 -0.3
PAX	Paxson	64.94	27	eP	P	10 30 15.5 -0.9
PAX	Paxson	64.94	27	eP	Pmax	10 30 15.5 -0.9
PAX	Paxson	64.94	27	eP	Pmax	10 30 15.5 -0.9
BRLK	Bradley Lake	64.97	32	eP	P	10 30 16.6 0.0
DOT	Dot Lake	64.97	26	eP	P	10 30 16.8 +0.3
SCM	Sheep Creek Mo	65.02	29	eP	P	10 30 17.1 +0.2
SCM	Sheep Creek Mo	65.02	29	eP	P	10 30 17.1 +0.2
SCM	Sheep Creek Mo	65.02	29	eP	Pmax	10 30 17.1 +0.2
SSB	Saint Sauveur	65.13	309	eP	P	10 30 17.5 -0.4
SSB	Saint Sauveur	65.13	309	eP	P	10 30 17.5 -0.4
SSB	Saint Sauveur	65.13	309	eP	Pmax	10 30 17.5 -0.4
EGAK	Eagle	65.14	24	eP	P	10 30 18.0 +0.5
VSL	Villasalto	65.27	302	eP	P	10 30 18.7 -0.1
SEW	Seward	65.33	31	eP	P	10 30 18.5 -0.2
HARP	HAARP	65.42	27	eP	P	10 30 20.4 +0.9
KDAK	Kodiak Island	65.49	34	eP	P	10 30 19.6 -0.3
KDAK	Kodiak Island	65.49	34	eP	P	10 30 19.6 -0.3
KDAK	Kodiak Island	65.49	34	eP	Pmax	10 30 19.6 -0.3
KLU	Klutina	65.76	28	eP	P	10 30 22.4 +0.7
DIV	Divide	66.05	29	eP	P	10 30 24.1 +0.6
DAWY	Dawson	66.19	24	eP	P	10 30 24.5 +0.1
EYAK	Cordova Ski Ar	66.44	29	eP	P	10 30 25.1 +1.5
BMRM	Bremner River	66.58	28	eP	P	10 30 28.1 +1.1
TGL	Tana Glacier	67.36	28	eP	P	10 30 32.4 +0.4
KEST	Kesra	67.37	298	eP	P	10 30 31.6 -0.9
KEST	Kesra	67.37	298	eP	LR	11 04 03.3
KEST	Kesra	67.37	298	eP	P	10 30 32.6 +0.1
COEN	Coen	68.18	133	eP	P	10 30 37.5 0.0
WRAB	Tennant Creek	68.76	144	eP	P	10 30 40.6 -0.5
WRAB	Tennant Creek	68.76	144	eP	P	10 30 40.9 -0.2
WRAB	Tennant Creek	68.76	144	eP	Pmax	10 30 40.9 -0.2
WRA1	Warramunga Arr	68.76	144	eP	P	10 30 40.4 -0.7
WRA1	Warramunga Arr	68.76	144	eP	P	10 30 40.4 -0.7
WRA	Warramunga Arr	68.76	144	eP	LR	11 03 38.9
WBT	Warramunga Arr	68.76	144	eP	P	10 30 39.5 -1.7
HY2	Haines Junction	70.14	26	eP	P	10 30 42.9 -0.3
SFJD	Kangerlussuaq	70.24	348	eP	P	10 30 50.1 +0.5
SFJD	Kangerlussuaq	70.24	348	eP	LR	11 03 30.9
SFJD	Kangerlussuaq	70.24	348	eP	P	10 30 50.9 +1.2
SKAG	Skagway	70.38	26	eP	P	10 30 54.5 +0.8
BESE	Bessie Mountai	71.72	26	eP	P	10 31 03.8 -0.3
AS31	Alice Springs	71.84	146	eP	P	10 30 60.0 +0.1
ASAR	Alice Springs	71.84	146	eP	P	10 30 59.6 -0.3
AS01	Alice Springs	71.84	146	eP	P	10 30 59.5 -0.5
CART	Cartagena	72.99	305	eP	P	10 31 07.0 +0.3
DLBC	Dease Lake	73.41	24	eP	P	10 31 09.9 +1.0
ES19	SONSECA Array	73.45	308	eP	P	10 31 09.8 +0.4
ESDC	Sonsec Array	73.50	308	eP	P	10 31 10.1 +0.3
ESDC	Sonsec Array	73.50	308	eP	LR	11 06 16.9
ESLA	Sonsec Array	73.50	308	eP	P	10 31 14.0 +4.1
PBRG	Braganca	73.78	311	eP	P	10 31 14.0 +2.6
YKWS	Yellowknife Ar	73.84	15	eP	P	10 31 10.8 -0.4
YKA	Yellowknife Ar	73.90	15	eP	P	10 31 11.1 -0.6
YKBS	Yellowknife Ar	73.90	15	eP	P	10 31 11.1 -0.6
MVO	Moncorvo	74.35	311	eP	P	10 31 19.8 +5.0
MVO	Moncorvo	74.35	311	eP	LR	11 00 50.4
PGAV	Gavieira, Arco	74.54	312	eP	P	10 31 20.9 +5.0
PGAV	Gavieira, Arco	74.54	312	eP	LR	11 02 21.0
CTA	Charters Tower	74.86	134	eP	P	10 31 17.3 -0.4
CTAO	Charters Tower	74.86	134	eP	P	10 31 17.5 -0.2
CTAO	Charters Tower	74.86	134	eP	Pmax	10 31 17.5 -0.2
IVI	Ivigtut	75.05	344	eP	P	10 31 19.9 +1.5
MTE	Manteigas	75.15	311	eP	P	10 31 23.5 +4.1
MTE	Manteigas	75.15	311	eP	LR	11 01 20.7

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PMRV	Marv??o	75.69	310	eP	P	10 31 26.6 +4.1
PMRV	Marv??o	75.69	310	eP	LR	11 01 07.8
OPO	Ambohidromato	75.75	230	P	P	10 31 22.9 -0.2
PCAS	Casimio, Conde	75.92	311	eP	P	10 31 26.6 +2.8
PMTG	Montargil	76.42	310	eP	P	10 31 31.0 +4.4
PMRAF	Matra	77.11	310	eP	P	10 31 28.9 -1.6
PVAQ	Vaqueiros	77.21	308	eP	P	10 31 35.5 +4.4
PVAQ	Vaqueiros	77.21	308	eP	LR	11 00 01.6
TAM	Tamanrasset	77.77	289	eP	P	10 31 34.9 +0.3
TAM	Tamanrasset	77.77	289	eP	Pmax	10 31 34.9 +0.3
FCC	Fort Churchill	80.50	7	eP	P	10 31 48.1 -0.6
FCC	Fort Churchill	80.50	7	eP	Pmax	10 31 48.1 -0.6
STKA	Stevens Creek	82.31	144	P	P	10 31 57.8 -0.8
STKA	Stevens Creek	82.31	144	P	P	10 31 58.0 -0.5
LLBL	Lillooet	82.56	25	eP	P	10 32 00.6 +0.8
EDM	Edmonton	82.62	19	eP	P	10 32 00.0 -0.1
EDM	Edmonton	82.62	19	eP	Pmax	10 32 00.0 -0.1
FFC	Flin Flon	83.49	12	eP	P	10 32 04.0 -0.5
FFC	Flin Flon	83.49	12	eP	Pmax	10 32 04.0 -0.5
SCHO	Schefferville	84.18	352	P	P	10 32 07.1 -1.0
SCHO	Schefferville	84.18	352	P	LR	11 12 41.0
SCHO	Schefferville	84.18	352	P	P	10 32 07.2 -1.0
LTY	Liberty	85.87	26	eP	P	10 32 16.3 -0.5
NEW	Newport	86.09	23	LR	LR	11 12 30.4
BVV	Beverly	86.52	25	eP	P	10 32 22.4 +2.4
TOA1	Torodi Ar. Sit	86.71	284	eP	P	10 32 20.2 -1.1
TOA0	Torodi Ar. Sit	86.71	284	eP	P	10 32 20.4 -0.9
TORD	Torodi Ar. Bea	86.71	284	eP	P	10 32 20.2 -1.1
TORD	Torodi Ar. Bea	86.71	284	eP	LR	11 17 04.5
F10A	Beach Ranch, E	88.11	24	eP	P	10 32 28.4 +0.6
EGMT	Eagleton	88.31	19	P	P	10 32 27.9 -0.8
MSO	Missoula	88.31	22	P	P	10 32 27.9 -0.8
MSO	Missoula	88.31	22	eP	P	10 32 28.5 -0.2
DZM	Mont Dzumac	88.60	121	eSS	SS	10 49 05.5 -2.3
DZM	Mont Dzumac	88.60	121	eP	P	11 00 29.5
ULM	Lac du Bonnet	88.70	9	P	P	10 32 29.8 -1.4
HRY	Hotter Researc	89.00	20	eP	P	10 32 32.4 +0.4
BMO	Blue Mountains	89.09	25	eP	P	10 32 32.2 -0.2
BMO	Blue Mountains	89.09	25	eP	Pmax	10 32 32.2 -0.2
BMO	Blue Mountains	89.09	25	eP	Pmax	10 32 32.2 -0.2
DGMT	Dagmar	89.11	15	P	P	10 32 30.4 -1.9
DGMT	Dagmar	89.11	15	eP	P	10 32 32.1 -0.2
J05D	Fort Hook, OR	89.15	28	P	P	10 32 31.7 -1.1
LRM	Limekiln Ridge	89.65	21	eP	P	10 32 36.7 +1.5
K05A	Sumner Lake	89.76	28	eP	P	10 32 36.9 +1.2
A32A	Rocking H Ranc	89.94	10	P	P	10 32 35.0 -1.2
YBH	Yreka Blue Hor	89.96	30	P	P	10 32 36.1 -0.4
YBH	Yreka Blue Hor	89.96	30	P	LR	11 14 42.9
KOWA	Kowa	90.00	289	P	P	10 32 37.0 +1.1
KOWA	Kowa	90.00	289	P	LR	11 16 38.5
DLMT	Dillon	90.03	21	eP	P	10 32 37.3 +0.5
J08A	Circle Bar Ran	90.04	26	eP	P	10 32 37.9 +0.9
BOZ	Bozeman (W)	90.08	21	P	P	10 32 36.4 -0.7
BOZ	Bozeman (W)	90.08	21	eP	P	10 32 37.0 -0.1
BOZ	Bozeman (W)	90.08	21	eP	Pmax	10 32 37.0 -0.1
BOZ	Bozeman (W)	90.08	21	eP	Pmax	10 32 37.0 -0.1
M04C	Macdoel	90.24	29	P	P	10 32 36.2 -1.7
GCMT	Greycliff	90.41	19	eP	P	10 32 38.7 +0.1
MCMT	McKenzie Canyo	90.45	22	eP	P	10 32 39.5 +0.6
B34A	Aery, Baudette	90.59	9	P	P	10 32 39.6 +0.4
N02D	Trin Center	90.62	30	P	P	10 32 40.8 +1.2
AGMN	Agassiz Nation	90.62	10	P	P	10 32 39.2 -0.2
AGMN	Agassiz Nation	90.62	10	eP	P	10 32 41.4 +2.1
MOD	Modoc Plateau	90.69	28	eP	P	10 32 40.6 +0.5
WVOR	Wild Horse Val	90.81	27	eP	P	10 32 41.6 +1.1
WVOR	Wild Horse Val	90.81	27	eP	Pmax	10 32 41.6 +1.1
B35A	Bob, Littlefor	90.81	8	P	P	10 32 39.0 -1.2
MFID	Camas Ranch	90.85	24	P	P	10 32 40.9 +0.2
RLMT	Red Lodge	91.14	19	P	P	10 32 43.8 +1.7
HLUD	Hailey	91.15	23	P	P	10 32 41.5 -0.7



3d 11h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include stations like KARACOBAN, GUROMAK-BITLI, HAKKARI, NAKHCHIVAN, GARNI, etc.

MEX 03 10:52:56.8-0.4, 14:13N:93:27W, h5km, 61km, MD3.6, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include stations like THIG, PCIG, CCIG, etc.

GUC 03 10:56:25.0-0.4, 21:91S:68:64W, h126km, 5km, ML3.9

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include stations like SOEI, GCEI, BATI, etc.

ISC 03 10:56:25.1-0.9, 21:38S:05:68:50W, h124km, 9km, n18, c148/28, mb3.8/4, 8C, Chile-Bolivia border region

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Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include stations like PB09, PB01, PB07, PB06, etc.

ISC 03 10:58:02.6-1.5, 2:53N:92:66E, h0km, mb3.6/7, mb1 3.8/9, mb1mx3.6/68, mbmp3.7/9, ML3.9/2, Error ellipse:

ISCJBJ 03 10:58:05.0-0.8, 2:69N:0:07:94E, 0:05, h21km, mb3.7/7, Error ellipse: s-maj=10.2km s-min=6.9km az=20.2

DJA 03 10:58:13.6-1.0, 3:4N:4:9:3E, h10km, M4.2/7, mb5.5/1, mb4.2/1, MLV4.2/7, Mw(MB)5.0/1

ISC 03 10:58:06.0-1.0, 2:64N:0:09:92.78E, 0:08, h21km, n15, c212/21, mb3.7/7, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include stations like BSI, MSLI, MPTI, etc.

ISC 03 11:02:38.9-0.7, 38:29N:0:05:38:99E, 0:04, h6km, 8km, Error ellipse: s-maj=7.7km s-min=5.1km az=175.0

CSEM 03 11:02:38.6-0.2, 38:29N:39:00E, h2km, ML3.1, Error ellipse: s-maj=4.7km s-min=2.8km az=175.0

ISK 03 11:02:38.2, 38:28N:38:99E, h4km, ML2.3/5, DDA 03 11:02:41.0, 38:53N:38:88E, h7km, M3.1

ISC 03 11:02:39.0-1.1, 38:30N:0:03:38:99E, 0:03, h8km, 13km, n16, c051/26, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include stations like ELZG, ELZG, SVRC, etc.

ISC 03 11:08:00.6-1.8, 8:63S:124:43E, h0km, mb4.0/1, mb1 4.0/3, mb1mx3.5/57, mbmp3.8/3, ML3.9/2, Error ellipse: s-maj=52.5km s-min=26.3km az=80.0

ISCJBJ 03 11:08:01.6-1.2, 8:75S:0:10:124:3E, 0:1, h20km, mb4.0/1, Error ellipse: s-maj=15.4km s-min=13.5km az=19.0

WRA Warramunga Arr 14.73 140 Pn Pn 11 11 31.1 +1.6

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

NEIC 03 11:10:22.3-0.0, 13:95N:93:33W, h17km, mb4.7/157, MD4.1 (MEX), After MEX.

MEX 03 11:10:22.3-0.5, 13:95N:93:33W, h17km, 999km, MD4.1, GCMT 03 11:10:22.3-0.8, 14:30N:93:35W, h23km, 1km, MW4.9/67, Moment Tensor Solution: s24,c30; s67,c79; Duration: 0

Moment tensor: Scale 10^19Nm, Mr2: 76z, 20; M1: -1.6z, 12; M2: 1.1z, 12; M3: 0.6z, 18; Mw0.45z, 07; M4: -0.1z, 15; Best double couple: M2: 44800x10^16

NP1=15.00000; s33.00000; a.86.00000; NP2: 0.301.00000; s37.00000; a.95.00000; Principal axes: T 2.8870, Plg81.0000; Azm8.0000; N -0.8720, Plg3.0000; Azm18.0000; P -2.0090, Plg8.0000; Azm20.0000;

nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISCJBJ 03 11:10:23.4-0.3, 14:29N:0:03:92:85W, 0:02, h24km, mb4.6/147, MS4.1/17, Error ellipse: s-maj=4.5km s-min=3.3km az=17.9

ISC 03 11:10:23.2-2.7, 14:44N:92:67W, h84km, 21km, mb4.1/18, mb1 4.3/21, mb1mx4.1/53, mbmp4.4/21, MS4.0/18, MS1 4.0/18, ms1mx3.8/48, Error ellipse: s-maj=28.9km s-min=13.7km az=40.0

ISC 03 11:10:25.0-0.7, 14:26N:0:05:93:01W, 0:05, h23km, 44km, n542, c1931/536, mb4.7/147, MS4.0/17, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include stations like THIG, THIG, THIG, etc.

ISC 03 11:10:25.0-0.7, 14:26N:0:05:93:01W, 0:05, h23km, 44km, n542, c1931/536, mb4.7/147, MS4.0/17, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include stations like THIG, THIG, THIG, etc.

ISC 03 11:10:25.0-0.7, 14:26N:0:05:93:01W, 0:05, h23km, 44km, n542, c1931/536, mb4.7/147, MS4.0/17, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include stations like THIG, THIG, THIG, etc.

ISC 03 11:10:25.0-0.7, 14:26N:0:05:93:01W, 0:05, h23km, 44km, n542, c1931/536, mb4.7/147, MS4.0/17, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include stations like THIG, THIG, THIG, etc.

ISC 03 11:10:25.0-0.7, 14:26N:0:05:93:01W, 0:05, h23km, 44km, n542, c1931/536, mb4.7/147, MS4.0/17, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include stations like THIG, THIG, THIG, etc.

ISC 03 11:10:25.0-0.7, 14:26N:0:05:93:01W, 0:05, h23km, 44km, n542, c1931/536, mb4.7/147, MS4.0/17, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include stations like THIG, THIG, THIG, etc.

ISC 03 11:10:25.0-0.7, 14:26N:0:05:93:01W, 0:05, h23km, 44km, n542, c1931/536, mb4.7/147, MS4.0/17, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include stations like THIG, THIG, THIG, etc.

ISC 03 11:10:25.0-0.7, 14:26N:0:05:93:01W, 0:05, h23km, 44km, n542, c1931/536, mb4.7/147, MS4.0/17, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include stations like THIG, THIG, THIG, etc.

ISC 03 11:10:25.0-0.7, 14:26N:0:05:93:01W, 0:05, h23km, 44km, n542, c1931/536, mb4.7/147, MS4.0/17, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include stations like THIG, THIG, THIG, etc.

ISC 03 11:10:25.0-0.7, 14:26N:0:05:93:01W, 0:05, h23km, 44km, n542, c1931/536, mb4.7/147, MS4.0/17, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include stations like THIG, THIG, THIG, etc.

ISC 03 11:10:25.0-0.7, 14:26N:0:05:93:01W, 0:05, h23km, 44km, n542, c1931/536, mb4.7/147, MS4.0/17, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include stations like THIG, THIG, THIG, etc.

148A	baz=184	18.96	14	P	P	11 14 45.2 +0.5
HELX	Greensboro	18.97	113	eP	Pn	11 14 47.3 +1.3
HELX	Santa Helena	18.97	113	eP	Pn	11 14 41.8 -3.5
LPIG	La Paz	19.03	304	P	Pn	11 14 49.0 +2.7
251A	Midway	19.07	20	P	P	11 14 46.0 +0.2
244A	Pea Ridge, Bel	19.08	7	P	P	11 14 46.6 +0.7
TIGA	Tifton	19.16	25	P	P	11 14 47.2 +0.4
TIGA	Tifton	19.16	25	eP	Pn	11 14 47.8 0.0
252A	Lumpkin	19.21	22	P	P	11 14 47.8 +0.4
246A	Louisville	19.21	10	P	P	11 14 47.8 +0.5
ABTX	Abilene, Hawle	19.26	343	P	Pn	11 14 49.2 +0.2
ABTX	Abilene, Hawle	19.26	343	eP	Pn	11 14 49.5 +0.5
245A	Winona	19.26	8	P	Pn	11 14 48.9 -0.2
150A	Eclectic	19.35	18	P	Pn	11 14 49.8 -0.3
355A	Pearson	19.39	27	P	P	11 14 49.8 +0.4
LRAL	Lakeview Retre	19.48	15	P	Pn	11 14 51.4 -0.2
LRAL	Lakeview Retre	19.48	15	eP	Pn	11 14 52.3 +0.7
151A	Opelika	19.49	20	P	Pn	11 14 51.8 0.0
Y42A	Garnett, Star	19.52	3	P	Pn	11 14 52.8 +0.6
Y41A	Eagleette Beard	19.54	1	P	Pn	11 14 52.1 -0.3
Y43A	Makayla and Ka	19.66	5	P	Pn	11 14 53.6 -0.1
Y40A	Okolona	19.67	359	P	Pn	11 14 53.5 -0.4
Z48A	Northport	19.67	14	P	Pn	11 14 53.7 -0.2
356A	Blackshear	19.70	29	P	P	11 14 53.7 +0.9
254A	Abbeville	19.72	25	P	P	11 14 53.6 +0.6
RREF	El Recreo	19.73	116	eP	Pn	11 14 57.5 +2.1
Z49A	Columbiana	19.75	16	P	P	11 14 53.8 +0.5
Y45A	Yeager Farm, C	19.77	9	P	P	11 14 54.2 +0.7
Y44A	Strider, Charl	19.78	7	P	P	11 14 54.5 +0.9
PTBC	PUERTO BERRIO,	19.78	111	eP	P	11 14 54.8 +1.0
Y46A	Houston	19.90	10	P	P	11 14 54.4 +0.5
Z50A	Ashland	19.98	18	P	P	11 14 56.4 +0.5
OTAV	Otavallo	20.04	133	eP	Pn	11 15 00.1 +1.1
OTAV	Otavallo	20.04	133	eP	Pn	11 15 03.0 +4.1
X40A	Basin Creek Fa	20.14	0	P	P	11 14 57.9 +0.4
X40A	Basin Creek Fa	20.14	0	eP	Pn	11 15 01.2 +1.7
X41A	Kaden, Bauxite	20.15	1	P	P	11 14 58.1 +0.5
X39A	Fountain Ranch	20.19	357	P	P	11 14 58.1 0.0
SOTA	Rioblanco	20.19	125	eP	Pn	11 15 08.2 +7.5
MIAR	Mount Ida	20.20	359	P	P	11 14 58.3 +0.1
MIAR	Mount Ida	20.20	359	eP	P	11 14 58.2 0.0
PCON	Cinco Dias	20.24	124	eP	Pn	11 15 02.6 +1.2
X42A	Stuttgart	20.25	3	P	P	11 14 58.4 -0.3
X43A	Marvell	20.26	5	P	P	11 14 60.0 +1.1
X43A	Marvell	20.26	5	eP	Pn	11 15 00.2 -0.6
Y48A	Jasper	20.27	14	P	P	11 14 59.3 +0.4
X44A	Crenshaw	20.32	7	P	P	11 15 00.4 +1.0
X45A	UM Field Stati	20.34	9	P	P	11 15 00.4 +0.7
256A	Glenville	20.36	28	P	P	11 14 59.9 0.0
154A	Montrose	20.38	25	P	P	11 14 59.8 -0.4
Y49A	Blount Mountai	20.41	16	P	P	11 15 00.7 +0.2
OXF	Oxford	20.43	9	P	P	11 15 01.4 +0.7
OXF	Oxford	20.43	9	eP	Pn	11 15 02.0 -0.8
UALR	University of	20.44	2	eP	P	11 15 01.8 +1.0
CLNB	Carlsbad	20.49	333	eP	Pn	11 15 03.5 -0.2
X46A	Booneville	20.60	10	P	P	11 15 03.2 +0.7
Y50A	Piedmont	20.63	17	P	P	11 15 03.3 +0.5
ROSC	El Rosal	20.65	115	P	P	11 15 04.7 +1.0
ROSC	El Rosal	20.65	115	eP	Pn	11 15 06.4 +0.3
ROSC	El Rosal	20.65	115	eP	Pn	11 15 06.8 +0.8
GD1.2	Guadalupe Moun	20.65	332	eP	Pn	11 15 05.0 -0.2
155A	Kite	20.66	26	P	P	11 15 02.9 -0.2
X47A	Russelville	20.70	12	P	P	11 15 03.4 -0.2
PRAC	Prado	20.72	119	eP	Pn	11 15 07.5 +1.0
PRAC	Prado	20.72	119	eP	Pn	11 15 09.0 +2.5
MINX	Cornudas Mount	20.73	329	P	P	11 15 04.5 +0.5
MNTX	Cornudas Mount	20.73	329	eP	P	11 15 04.5 +0.5
X48A	Hartselle	20.82	14	P	P	11 15 05.9 +1.0
W41B	Gary Mavity, V	20.84	2	P	P	11 15 05.6 +0.6
W41B	Gary Mavity, V	20.84	2	eP	P	11 15 05.7 +0.6
W40A	Ferguson Farm,	20.84	360	P	P	11 15 05.9 +0.7
W40A	Ferguson Farm,	20.84	360	eP	P	11 15 06.5 +1.4
W39A	Magazine	20.86	358	P	P	11 15 06.4 +1.1
W39A	Magazine	20.86	358	eP	Pn	11 15 07.9 0.0
BARC	Barichara	20.92	109	eP	Pn	11 15 10.0 +0.9
GOGA	Godfrey	20.95	23	P	P	11 15 06.3 0.0
GOGA	Godfrey	20.95	23	eP	P	11 15 06.7 +0.4
W42A	Bald Knob	20.97	3	P	P	11 15 07.3 +0.9
WMOK	Wichita Mounta	21.05	347	P	P	11 15 07.4 0.0
WMOK	Wichita Mounta	21.05	347	eP	P	11 15 09.1 +1.7
X49A	Woodville	21.05	16	P	P	11 15 07.7 +0.3
PAMC	Pamplona, Colo	21.09	107	eP	P	11 15 09.3 +0.8
W45A	Hickory Valley	21.09	9	P	P	11 15 08.1 +0.3
PLAL	Pickwick Lake	21.11	11	eP	P	11 15 10.2 +2.2
W46A	Michie	21.20	11	P	P	11 15 08.7 -0.3
CHIC	Chingaza	21.27	115	eP	P	11 15 13.6 +3.2
FLOC	Florencia	21.28	125	eP	P	11 15 08.8 -1.4
RUSC	La Rusia	21.29	111	eP	P	11 15 11.9 +1.2
RUSC	La Rusia	21.29	111	eP	P	11 15 13.0 +2.3
V41A	Mountainview	21.45	2	P	P	11 15 10.7 -1.0
V40A	Witts Springs	21.45	0	P	P	11 15 11.0 -0.7

V40A	Witts Springs	21.45	0	eP	P	11 15 12.2 +0.4
V40A	Westpoint	21.46	12	eS	S	11 19 06.0 -2.7
W47A	Westpoint	21.46	12	P	P	11 15 10.8 -1.0
V39A	Pettigrew	21.50	359	P	P	11 15 12.1 -0.2
W48A	Pulaski	21.50	14	P	P	11 15 11.2 -1.0
V42A	Cord	21.51	4	P	P	11 15 11.9 -0.4
MSTX	Muleshoe	21.53	337	P	P	11 15 12.3 -0.3
MSTX	Muleshoe	21.53	337	eP	P	11 15 12.9 +0.3
V43A	Jonesboro	21.55	5	P	P	11 15 12.3 -0.5
V44A	Blytheville	21.66	7	P	P	11 15 12.8 -1.1
V45A	Humboldt	21.70	9	P	P	11 15 13.1 -1.2
TUL1	Leonard	21.70	354	P	P	11 15 13.9 -0.5
TUL1	Leonard	21.70	354	eP	P	11 15 15.3 +0.9
V46A	Holladay	21.90	11	P	P	11 15 15.8 -0.7
AMTX	Amarillo	21.98	341	P	P	11 15 17.3 -0.1
AMTX	Amarillo	21.98	341	eP	P	11 15 17.6 +0.1
U40A	Yellville	22.01	0	P	P	11 15 16.8 -0.8
U41A	Viola	22.02	2	P	P	11 15 18.2 +0.4
U39A	Green Forest	22.04	359	P	P	11 15 17.7 -0.2
V47A	Nunnely	22.04	12	P	P	11 15 17.4 -0.6
U42A	Reviden	22.06	4	P	P	11 15 17.5 -0.7
NHSC	New Hope	22.10	30	P	P	11 15 18.1 -0.6
NHSC	New Hope	22.10	30	eP	P	11 15 19.6 +1.0
V48A	Smith Brothers	22.10	13	P	P	11 15 18.1 -0.5
U43A	Rector	22.14	6	P	P	11 15 18.6 -0.5
HSIG	Burton Farm, H	22.18	314	eP	P	11 15 20.7 +1.1
U44B	Waverly	22.23	8	P	P	11 15 19.4 -0.6
WVT	Waverly	22.27	11	P	P	11 15 19.7 -0.8
WVT	Waverly	22.27	11	eP	P	11 15 20.6 +0.1
U44A	Portageville	22.35	7	eP	P	11 15 28.4 -1.6
PBMO	Poplar Bluff	22.55	5	eP	P	11 15 22.8 -0.6
SDV	San Domingo	22.55	101	P	P	11 15 25.9 +1.9
SDV	San Domingo	22.55	101	eP	P	11 15 25.9 +1.9
121A	Cookes Peak, D	22.64	326	P	P	11 15 26.1 +1.4
319A	Diamond	22.65	322	eP	P	11 15 26.6 +1.9
T39A	Cleaver	22.67	359	P	P	11 15 24.1 -0.7
T38A	Diamond	22.71	357	P	P	11 15 24.8 -0.4
T41A	Mountain View	22.72	3	P	P	11 15 25.4 +0.1
T42A	Van Buren	22.74	4	P	P	11 15 25.3 -0.2
T40A	Mansfield	22.80	1	P	P	11 15 25.4 -0.8
T43A	Greenville	22.86	6	P	P	11 15 26.4 -0.4
TKL	Tuckaleechee C	22.87	20	P	P	11 15 26.1 -0.7
TKL	Tuckaleechee C	22.87	20	eP	P	11 15 26.7 -0.2
U48A	Cassie Pea, Po	22.90	13	P	P	11 15 26.2 -1.0
T46A	Prieston	23.14	10	P	P	11 15 28.5 -1.2
T47A	Sharon Grove	23.24	12	P	P	11 15 29.4 -1.2
S40A	Lebanon	23.25	1	P	P	11 15 29.0 -1.8
S41A	Jillico Farms,	23.26	3	P	P	11 15 29.4 -1.4
KMSC	Kings Mountain	23.30	25	P	P	11 15 30.2 -1.1
KMSC	Kings Mountain	23.30	25	eP	P	11 15 31.3 0.0
BNM	Barren Site	23.33	330	eP	P	11 15 33.4 +1.6
S39A	Bolivar	23.34	359	P	P	11 15 30.6 -1.0
Y22D	IRIS PASCAL I	23.41	330	eP	P	11 15 34.9 +2.4
Y22E	IRIS PASCAL I	23.41	330	P	P	11 15 32.5 0.0
LPM	Los Pinos Moun	23.46	331	eP	P	11 15 34.8 +1.7
S42A	Caledonia	23.50	4	P	P	11 15 30.8 -2.4
T44A	Bowling Green	23.51	13	P	P	11 15 31.1 -2.1
S43A	Carbondale	23.58	7	P	P	11 15 31.6 -2.3
SIUC	Southern Illin	23.60	8	eP	P	11 15 33.8 -0.4
S45A	Carriger Mills	23.65	9	P	P	11 15 32.6 -2.1
TZTN	Tazewell	23.75	19	P	P	11 15 33.3 -2.3
CCM	Cathedral Cave	23.75	3	P	P	11 15 33.8 -1.9
CCM	Cathedral Cave	23.75	3	eP	P	11 15 33.9 -1.8
L46A	Lafayette	23.78	330	eP	P	11 15 37.7 +1.6
S4Z	Don Dixon Farm	23.80	10	P	P	11 15 34.2 -1.9
R38A	Fenwick Farm,	23.85	358	P	P	11 15 35.4 -1.1
ANMO	Albuquerque	23.90	332	P	P	11 15 36.1 -1.3
ANMO	Albuquerque	23.90	332	eP	P	11 15 38.1 +0.7
R40A	Maddies Station	23.95	1	P	P	11 15 36.0 -1.5
R39A	Chumby, Stover	23.96	360	P	P	11 15 35.4 -2.2
R41A	Rosebud	23.99	3	P	P	11 15 35.4 -2.5
R42A	Luebbering	24.01	4	P	P	11 15 36.3 -1.7
R43A	Red Bud	24.08	6	P	P	11 15 36.4 -2.3
S48A	Wicheman Farm,	24.11	14	P	P	11 15 37.1 -1.9
R44A	Waltonville	24.15	8	P	P	11 15 37.9 -1.4
TUC	Tucson	24.21	321	P	P	11 15 39.6 -0.5
TUC	Tucson	24.21	321	eP	P	11 15 41.1 +1.0
R45A	Skyler, Fairir	24.30	9	P	P	11 15 39.6 -1.1
Q37A	Longview Farm,	24.55	357	P	P	11 15 42.1 -0.9
WCI	Wyandotte Cave	24.61	13	P	P	11 15 42.5 -1.1
WCI	Wyandotte Cave	24.61	13	eP	P	11 15 42.9 -0.7
Q38A	Cooks Store, C	24.61	359	P	P	11 15 42.5 -1.1
R47A	Wood Knot Far	24.62	12	P	P	11 15 42.1 -1.5
Q41A	Truxton	24.65	3	P	P	11 15 42.6 -1.3
Q40A	Laurel Farm, Aux	24.65	2	P	P	11 15 42.5 -1.5
Q42A	Golden Eagle	24.65	5	P	P	11 15 42.4 -1.5
Q39A	Willow Grove F	24.69	0	P	P	11 15 43.0 -1.3

Q43A	New Douglas	24.76	6	P	P	11 15 44.0 -0.9
NCAT	New Carolina	24.76	26	eP	P	11 15 43.9 -1.1
OLIL	Olney	24.76	9	eP	P	11 15

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Table with columns: PLM, N23A, GMRC, LCMT, J36A, J39A, O20A, PHWY, DGR, SZCU, J32A, Q16A, HEC, BBRC, CCUT, P18A, MSU, ECSD, ECSD, P17A, TMUT, SHRP, RWWY, H38A, H40A, H39A, H35A, H32A, SBI, PSUT, MPU, H33A, K22A, K22A, CLC, G38A, MPMC, SPMM, G39A, G40A, DAC, TCUT, RSSD, RSSD, R11A, R11A, GRAC, CWC, F36A, F39A, F38A, HWUT, BW06, BW06, PD31, PDAR, PDAR, E36A, E40A, E35A, E38A, HVU, E31A, DCD, D35A, OMMD, NV11, REDW, D37A, D36A, SNOW, NV01, NVAR, NVAR, D33A, LOHW, TPWA, MOOW, FXWY, RYN, KVN, IMW, C35A

Table with columns: C37A, C38A, C36A, YPP, H17A, H17A, BMN, EYMN, C31A, NCB, YFT, RLMT, RLMT, MDND, MDND, YMR, B33A, YHH, B35A, AGM, AGM, LONY, B34A, B32A, LAO, LAO, QLMT, PAHR, GCMT, HLID, HLID, A33A, A32A, MCMT, BOZ, BOZ, BEKR, MFID, CYBM, DLMT, DGMT, DGMT, LRM, WVOR, PTGA, ULM, ULM, ULM, O03D, J08A, EGMT, EGMT, BMO, MSO, MSO, F10A, JMTT, WALA, C08A, FFC, EDM, LLLB, SIV, SFC, SCHO, BBB, YKA, YKA, YKBS, YKWS, DLBC, SFJD, INK, INK, KLU, RES, RES, DOT, SCRR, PAX, PAX, SCM, SML, HDA, ILI, ILAR, ILAR, ILB, RND, SUA

Table with columns: CCB, MCK, COLA, MDM, SKT, TRF, KTH, BPAW, CAST, MLY, COLD, TOLK, TOLK, BORG, EKA, SPITS, ESDC, ES19, BILL, NB20, NOA, NOA, HFS, HFS, ARAO, ARCES, TIXI, GERES, GERES, FIAO, FIAO, FINES, FINES, TOA1, TOA1, TORD, TORD, VAE, AKASG, KSH, LZH, LZH, CD2, WR1, WRA, CMAR, CMAR, HYB, HYB

MOS 03 11:10:38.8,0.9,23:64x179:13E,h519km,mb4.9/42, Error ellipse: s-maj=9.7km s-min=8.0km az=70.4 WEL 03 11:10:39.7,0.7,24:5s,17.9W,2.0,h654km,10km BUJ 03 11:10:40.4,23:72S,179:84E,h568km,mb4.8/27, mb4.9/18 IDC 03 11:10:41.0,0.4,23:59S,179:12E,h536km,3km,mb4.2/25, mb1.4/26,mb1mx4.1/48,mb1tmp1.1/48, Error ellipse: s-maj=9.1km s-min=8.7km az=116.0 ISCJB 03 11:10:41.7,0.4,23:70S,179:02E,0:03,h554km,5km, mb4.7/19, Error ellipse: s-maj=4.4km s-min=3.3km az=142.2 NEIC 03 11:10:42.0,0.4,23:70S,179:02E,h550km,5km, mb4.8/169, Error ellipse: s-maj=4.6km s-min=3.3km az=137.0 GCMT 03 11:10:42.0,0.3,23:68S,179:02E,h546km,2km, MW5.2/62,Moment tensor: s62,c77; Duration: 1s0 Moment tensor: Scale 10^17Nm; Mr=0.81±.04; Mw=0.69±.07; Mw0.1±.07; Mw0.18±.07; Mw0.16±.06; Mw0.46±.07; Best double couple: Mo=863000±1017 Nf=1±261.00000; S=2.00000; P=1±121.00000; NP2: phi=125.00000; delta=7.00000; lambda=57.00000; Principal axes: T 0.7360, P1g3.0000, Azm12.0000; N 0.2930, P1g24.0000, Azm281.0000; P -1.0290, P1g66.0000, Azm109.0000; nsta1 refers to body waves, cutoff=40s. ISC 03 11:10:41.4,0.3,23:71S,179:16E,0:05,h544km,3km, h545km,pP,n758,r158/930,mb4.8/199,31C-30D, South of Fiji Islands

Table with columns: Code, Station Name, Delta, Azimuth, Op, Phase ID, Time, Res, ISC

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Urewera, Matawai, Carnagh Statio, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like TAU, MTSU, PMG, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like MAW, MAWB, PEABO, etc.

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DAC	Darwin (Calif)	84.38	46	eP	P	11 22 17.4 +0.5
DAC	Darwin (Calif)	84.38	46	eP	Pmax	11 22 17.4 +0.5
TIN	Tinmahua, Big	84.41	46	P	P	11 22 17.8 +0.9
HEC	Hector, Ludlow	84.42	48	P	P	11 22 17.8 +0.8
CHRN	Cochrane	84.43	139	eP	P	11 22 17.5 +0.7
YBH	Yreka Blue Hor	84.43	40	eP	P	11 22 18.1 +1.3
WAKR	Walker	84.47	44	eP	P	11 22 18.8 +1.5
GLA	Glamis	84.50	50	P	P	11 22 18.5 +1.2
GLA	Glamis	84.50	50	eP	P	11 22 19.4 +2.1
BEKR	Beckworth	84.70	42	eP	P	11 22 19.0 +0.6
PNTR	Pine Nut	84.71	43	eP	P	11 22 19.3 +0.8
VCNR	Virginia City	84.80	43	eP	P	11 22 19.6 +0.8
HUMO	Hull Mountain	84.83	39	eP	P	11 22 20.7 +2.0
GMRC	Granite Mountain	84.86	49	P	P	11 22 19.9 +0.8
SNA	Sanae	84.87	179	P	P	11 22 18.0 -0.6
SNA	Sanae	84.87	179	eP	P	11 22 17.4 -1.1
SNA	Sanae	84.87	179	eP	P	11 22 18.0 -0.6
IRM	Iron Mountain	84.87	49	P	P	11 22 20.3 +1.1
YERR	Yerlington	84.88	43	eP	P	11 22 20.4 +1.2
GRAC	Grapevine Rang	84.94	46	P	P	11 22 20.6 +1.2
M04C	Macdoel	84.97	40	P	P	11 22 20.7 +1.1
FURC	Furnace Creek	84.97	47	P	P	11 22 20.3 +0.8
SHOC	Shoshone, Teco	85.05	47	P	P	11 22 21.3 +1.4
Y12C	Blythe	85.08	50	P	P	11 22 21.5 +1.4
Y12C	Blythe	85.08	50	eP	P	11 22 20.6 +0.5
113A	Mohawk Valley	85.10	51	eP	P	11 22 21.9 +1.7
VNA3	Neumayer Olymp	85.11	177	P	S	11 22 19.3 -0.3
VNA3	Neumayer Olymp	85.11	177	P	S	11 22 04.6 +0.9
RYN	Ryan	85.12	44	eP	P	11 22 21.5 +1.1
NV01	Mina Array Sit	85.15	44	P	P	11 22 21.1 +0.5
NVAR	Mina Array Bea	85.15	44	P	P	11 22 21.4 +0.7
NVAR	Mina Array Bea	85.15	44	P	P	11 22 21.4 +0.7
NVAR	Mina Array Bea	85.15	44	P	P	11 22 21.4 +0.7
NVAR	Mina Array Bea	85.15	44	P	P	11 22 21.4 +0.7
PAHR	Pah Rah Rang	85.21	43	eP	P	11 22 21.5 +0.7
HS1G	Havah	85.23	56	eP	P	11 22 22.2 +1.3
NV11	Mina Array Sit	85.25	44	eP	P	11 22 21.2 +0.2
I03D	Drain, OR	85.29	38	P	P	11 22 22.1 +1.2
214A	Organ Pipe Nat	85.36	52	P	P	11 22 22.8 +1.3
NVL	N'lazarevskaya	85.36	184	eP	Pmax	11 22 19.2 -1.6
NVL	N'lazarevskaya	85.36	184	eP	Pmax	11 22 19.2 -1.6
LDFC	Landfair	85.39	49	eP	P	11 22 23.3 +1.6
VNA2	Neumayer-Watz	85.51	178	P	P	11 22 21.4 -0.2
VNA2	Neumayer-Watz	85.51	178	P	P	11 22 21.4 -0.2
NEE2	Needles Airpor	85.57	49	P	P	11 22 23.6 +1.2
KVN	Kaiserville	85.64	44	eP	P	11 22 23.6 +0.7
KVN	Kaiserville	85.64	44	eP	Pmax	11 22 23.6 +0.7
KVN	Kaiserville	85.64	44	eP	Pmax	11 22 23.6 +0.7
PDVC	Parker Dam, Lak	85.65	50	P	P	11 22 23.9 +1.1
TPNV	Topopah Spring	85.65	47	P	P	11 22 23.4 +0.5
TPNV	Topopah Spring	85.65	47	eP	P	11 22 23.9 +0.9
TPNV	Topopah Spring	85.65	47	eP	Pmax	11 22 23.9 +0.9
TPNV	Topopah Spring	85.65	47	eP	Pmax	11 22 23.9 +0.9
ENH	Enshi	85.70	306	eP	P	11 22 23.7 +0.5
J04D	Junpua Nationa	85.71	39	P	P	11 22 24.1 +0.9
VNA1	Neumayer-Stat	85.76	178	P	S	11 22 21.9 -0.8
VNA1	Neumayer-Stat	85.76	178	P	S	11 22 13.2 +3.4
PHET	Kaeng Krachan	85.78	286	P	P	11 22 25.8 +2.0
MOD	Modoc Plateau	85.91	41	eP	P	11 22 25.5 +1.2
GYA	Guiyang	85.99	301	eP	P	11 22 26.2 +1.4
GYA	Guiyang	85.99	301	eP	P	11 24 28.9 +5.8
GYA	Guiyang	85.99	301	eP	P	11 25 24.0 +5.9
GYA	Guiyang	85.99	301	eP	P	11 25 58.6 +3.4
GYA	Guiyang	85.99	301	eP	P	11 31 57.5 -1.7
GYA	Guiyang	85.99	301	eP	P	11 32 13.8 0.0
SHPR	Sheep Range	86.14	47	eP	P	11 22 26.4 +1.1
PBKT	Sadao Pong	86.18	290	P	P	11 22 26.0 +0.3
PBKT	Sadao Pong	86.18	290	eP	P	11 22 25.7 0.0
MA2	Magadan	86.20	346	eP	P	11 22 24.0 -0.8
MA2	Magadan	86.20	346	eP	P	11 22 24.0 -0.8
MA2	Magadan	86.20	346	eP	Pmax	11 22 24.0 -0.8
J05D	Fort Rock, OR	86.24	39	P	P	11 22 26.9 +1.3
W13A	Hualapai Mount	86.25	49	eP	P	11 22 27.1 +1.2
Y14A	Wickenburg	86.25	50	eP	P	11 22 26.6 +0.8
H04A	Havah	86.56	38	eP	P	11 22 28.0 +1.1
PINE	Pine Mountain	86.72	39	eP	P	11 22 29.0 +1.1
I05D	Terrebonne, OR	86.83	38	P	P	11 22 29.3 +1.1
R11A	Troy Canyon, C	86.87	46	eP	P	11 22 29.4 +0.7
R11A	Troy Canyon, C	86.87	46	eP	P	11 22 29.1 +0.3
PHIT	Phitsanulok	86.93	290	P	P	11 22 30.4 +1.2
BMN	Battle Mountai	86.98	43	eP	P	11 22 30.0 +0.8
BMN	Battle Mountai	86.98	43	eP	Pmax	11 22 30.0 +0.8
BMN	Battle Mountai	86.98	43	eP	Pmax	11 22 30.0 +0.8
TUC	Tucson	87.01	53	P	P	11 22 31.3 +1.8
TUC	Tucson	87.01	53	eP	P	11 22 30.8 +1.3
TUC	Tucson	87.01	53	eP	Pmax	11 22 30.8 +1.3
TUC	Tucson	87.01	53	eP	Pmax	11 22 30.8 +1.3
WVOR	Wild Horse Val	87.27	41	eP	P	11 22 31.5 +1.1
WVOR	Wild Horse Val	87.27	41	eP	Pmax	11 22 31.5 +1.1
WVOR	Wild Horse Val	87.27	41	eP	Pmax	11 22 31.5 +1.1
D1B	Dawson Inlet	87.31	27	eP	P	11 22 31.2 +1.1
NANT	Nan	87.39	292	P	P	11 22 32.4 +1.0

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319A	Douglas	87.66	54	eP	P	11 22 33.9 +1.3
LCMT	Little Creek M	87.71	48	eP	P	11 22 33.5 +0.8
I07A	Izaz	87.72	39	eP	P	11 22 33.6 +1.1
SPU	Mount Spurr	87.74	14	eP	P	11 22 30.9 -1.2
G06A	Carlson Farm,	87.77	38	eP	P	11 22 33.7 +1.0
J08A	Circle Bar Res	87.90	40	eP	P	11 22 34.3 +0.9
CCUT	Cedar City	87.91	47	eP	P	11 22 34.7 +1.0
KNB	Kanab	88.00	48	eP	P	11 22 35.3 +1.2
XAN	Xi'an	88.02	309	P	P	11 22 34.8 +0.7
XAN	Xi'an	88.02	309	P	Pmax	11 22 34.8 +0.7
LOX	Longmire	88.05	36	eP	P	11 22 34.4 +0.5
LOX	Longmire	88.05	36	eP	Pmax	11 22 34.4 +0.5
LOX	Longmire	88.05	36	eP	Pmax	11 22 34.4 +0.5
U15A	North Rim	88.05	49	eP	P	11 22 35.9 +1.4
PSUT	Pine Spring	88.11	46	eP	P	11 22 35.1 +0.5
SZCU	Shurtz Canyon	88.12	47	eP	P	11 22 35.7 +1.0
RC01	Rabbit Creek A	88.17	15	eP	P	11 22 34.2 +0.1
RC01	Rabbit Creek A	88.17	15	eP	P	11 22 34.2 +0.1
LAMP	Lampang	88.18	291	P	eP	11 24 36.6 +3.5
LAMP	Lampang	88.18	291	P	eP	11 22 36.4 +1.3
WUAZ	Wupatki	88.22	50	P	P	11 22 36.3 +1.1
WUAZ	Wupatki	88.22	50	P	P	11 22 36.0 +0.9
D05A	Enunclaw	88.22	36	eP	P	11 22 35.9 +1.3
SUA	Susitna One	88.28	14	eP	P	11 22 34.4 -0.2
SUA	Susitna One	88.28	14	eP	P	11 24 36.6 +2.8
HPIG	Hopewell	88.32	60	eP	P	11 22 36.8 +0.9
PGC	PGC	88.38	34	eP	P	11 22 36.5 +1.3
BBB	Bella Bella	88.47	29	eP	P	11 22 37.0 +1.4
CM01	Chiang Mai Arr	88.71	291	eP	P	11 22 38.4 +0.9
CM01	Chiang Mai Arr	88.71	291	eP	P	11 24 34.6 +2.1
X18A	Snowflake	88.73	51	eP	P	11 22 38.4 +0.9
CM31	Chiang Mai Arr	88.74	291	eP	P	11 22 38.6 +0.9
CMAR	Chiang Mai Arr	88.74	291	eP	P	11 22 38.6 +0.9
CMAR	Chiang Mai Arr	88.74	291	eP	P	11 24 35.6 -1.2
CMAR	Chiang Mai Arr	88.74	291	eP	P	11 24 35.6 -1.2
CMAR	Chiang Mai Arr	88.74	291	eP	P	11 40 14.8 +0.5
PMR	Palmer	88.75	15	eP	P	11 22 36.6 -0.1
PMR	Palmer	88.75	15	eP	P	11 24 39.8 +3.9
PMR	Palmer	88.75	15	eP	P	11 22 36.6 -0.1
PMR	Palmer	88.75	15	eP	Pmax	11 22 36.6 -0.1
GMR	Gardiner	88.75	15	eP	Pmax	11 22 36.6 -0.1
A04D	Lummi Island	88.80	34	P	P	11 22 38.5 +1.3
B05A	Bryant	88.83	35	P	P	11 22 38.5 +1.1
CMMT	Chiang Mai	88.89	291	P	P	11 22 38.6 +0.2
CHTO	Chiang Mai	88.89	291	P	P	11 22 39.6 +1.2
CHTO	Chiang Mai	88.89	291	P	P	11 22 39.6 +1.2
CHTO	Chiang Mai	88.89	291	P	P	11 22 39.6 +1.2
CHTO	Chiang Mai	88.89	291	P	P	11 22 39.6 +1.2
GO06	Curarehue	88.92	133	eP	P	11 24 42.7 +5.0
SEY	Seymchan	88.92	348	P	P	11 40 12.3 +1.4
PLCA	Paso Flores	88.95	135	eP	P	11 22 39.7 +1.3
PLCA	Paso Flores	88.95	135	eP	P	11 22 39.5 +1.1
PLCA	Paso Flores	88.95	135	eP	Pmax	11 22 39.5 +1.1
PLCA	Paso Flores	88.95	135	eP	Pmax	11 22 39.5 +1.1
GHO	Glory Hole Cre	88.96	15	eP	P	11 22 37.9 +0.1
ZAIG	Zacapa	88.96	65	eP	P	11 22 40.5 +1.5
MTPU	Mount Pierson	88.96	47	eP	P	11 22 40.2 +1.5
LTY	Liberty	88.98	36	eP	P	11 22 39.1 +0.9
HAWA	Hanford	89.08	37	eP	P	11 22 39.6 +1.0
DIV	Divide	89.17	16	eP	P	11 22 39.1 +0.3
DIV	Divide	89.17	16	eP	P	11 24 42.3 +4.2
W18A	Petrified Fore	89.17	51	P	P	11 22 40.6 +0.9
W18A	Petrified Fore	89.17	51	P	P	11 22 40.5 +0.9
ZEA	Zeya	89.18	332	eP	P	11 22 39.5 +0.6
ZEA	Zeya	89.18	332	eP	Pmax	11 24 36.8
ZEA	Zeya	89.18	332	eP	Pmax	11 24 36.8
MSU	Marysville	89.21	47	eP	P	11 22 41.3 +1.5
CMAI	Chiangmai2	89.28	292	P	P	11 22 41.5 +1.1
121A	Cookes Peak, D	89.33	54	P		

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like RLMT Red Lodge, JCT Junction City, LCO Las Campanas, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like FINES comp=Z,6.4nm,0.7s, etc., and various individual call signs like OBNS, ZEIT, KBZ, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like BRG Berggiesshubel, BRG Berggiesshubel, BRG Berggiesshubel, etc., and various individual call signs like JMB, PVCC, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AGG Agios Georgios, AGG Agios Georgios, TUE Stuetta, etc.

Table with columns: WATZ, Wairara, 15.18 190, P, P, 11 15 17.7 +1.1, etc. Includes stations like RAHZ Aarahi, RAHZ Aarahi, RAHZ Aarahi, etc.

Table with columns: RTB, SNR=5.0, eSn, Sn, 11 15 32.5 0.0, etc. Includes stations like RAYN Ar Rayn, RAYN Ar Rayn, RAYN Ar Rayn, etc.

CSEM 03 11:11:06.1-0.4, 32.69N-47.24E, h15km, ML3.1, Error ellipse: s-maj=13.8km s-min=7.2km az=11.0

ISN 03 11:11:06.1-0.4, 32.69N-47.24E, h15km, ML3.3 TEH 03 11:11:10.6, 32.81N-47.58E, h10km, ML3.3, Iran-Iraq border region

ICD 03 11:12:48.7, 1.2, 32.69N-47.53E, h0km, mb4.0/17, mb1.4/0.20, mb1mx3.9/64, mbmp3.9/20, ML4.0/2, Error ellipse: s-maj=26.5km s-min=15.0km az=12.0

ISN 03 11:12:50.1-0.7, 32.81N-47.71E, h14km, 3km, ML3.7 NEIC 03 11:12:51.4-0.4, 32.76N-47.60E, h10km, mb4.3/10, MN3.7(TEH), Error ellipse: s-maj=8.6km s-min=5.7km az=206.0

GERES GERES Array B 152.46 339 ePKP, 1.35 356 ePg, 11 13 36.6 -1.3

GERES GERES Array B 152.46 339 ePKP, 1.35 356 ePg, 11 13 36.6 -1.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KAFAR-mosalmal, SHGR Shooshtar-Gavs, IKOM Komasi, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KURK Kurchatov, MK32 Makanchi Array, MK32 Makanchi Array, etc.

ISCJB 03 11:12:04.7-0.5, 23.63S-179.17E, 0.1, h54km, mb4.2/15, Error ellipse: s-maj=13.2km s-min=5.2km az=175.7

WEL 03 11:12:07.8-0.7, 24.2'S-18.0'W, 2.5, h596km, 20km ICD 03 11:12:09.9-4.4, 23.64S-178.90E, h594km, 49km, mb3.7/15, mb1.3/9.15, mb1mx3.6/46, mbmp4.7/15, Error ellipse: s-maj=27.4km s-min=15.1km az=74.0

THR 03 11:12:54.3-0.7, 32.93N-47.64E, h14km, 6km, ML3.6 ISN 03 11:12:52.4-1.2, 32.83N-47.64E, h10km, 5km, n112, e1954/116, mb4.1/25, SC-2D, Iran-Iraq border

ISN 03 11:12:52.4-1.2, 32.83N-47.64E, h10km, 5km, n112, e1954/116, mb4.1/25, SC-2D, Iran-Iraq border

ZALV Zalesovo Array B 37.73 303 eP, 11 19 33.3 +0.3

ZALV Zalesovo Array B 37.73 303 eP, 11 19 33.3 +0.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WAIU Waipua Caves, GRZ Great Barrier, KUZ Kuatoutu, etc.

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

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



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SLES, KOMA, HCY, CEME, MORH, BEV, IVA, NVLJ, GRUS, BOJUS, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes sections for DJA 03, MEX 03, ISC 03, THIG, PCIG, COIG, APG, CMIG, JTG, TXAR, TKL, SDV, NVAR, SIV, SCHO, YKA, YLKA, BORG, CMAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes sections for GENO, KHSK, KHKB, KHKS, KRBR, KRBR, KRBR, etc.









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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PRA Prague, GRC1 Grafenberg Arr, FETA Feichten, ROTZ Rotzenmuhle, etc.

WEL 03 13:50:36.2, 39'S; 1°17'E: 0.8, h32km, 2km, ML3.8/19,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PKVZ Pokaka, MTWZ Mangateitei, WAZ Wanganui, TRVZ Turoa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RVAZ Riverhead Bore, HAZ Te Kaha, KUZ Kauhutunu, etc.

ISC/JB 03 13:52:31.2, 0.4, 13.68N:0.03:120.53E:0.05, h104km, 4km, mb4, 1/9, Error ellipse: s-maj=8.1km s-min=4.5km az=2.4

MAN 03 13:52:31.8, 13.69N:120.52E, h86km, mb4.8, ML3.6, M3.6

IDC 03 13:52:31.6, 0.5, 13.73N:120.94E, h102km, 5km, mb3.7/8, s-maj=3.8, 1km s-min=9.2km az=71.0

ISC 03 13:52:31.9, 0.7, 13.68N:0.03:120.52E:0.05, h95km, 5km, n27, c138/41, mb4.0/9, 3C-4D, Mindoro

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LUBP Lubang, TGY Tagaytay City, LQP Lukban, etc.

ISC/JB 03 13:56:13.1, 0.3, 46.46N:0.02:87.60W:0.02, h0km, Error ellipse: s-maj=2.7km s-min=2.1km az=21.3

OTT 03 13:56:15.4, 1.7, 46.52N:87.64W, h0km, MN2.5/5, Blast, northern Michigan, U.S., 244km southeast from Thunder Bay, On Mining explosion.

ISC 03 13:56:13.0, 0.7, 46.44N:0.02:87.61W:0.02, h0km, n32, c089/53, Michigan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like E42A Champion, E43A Lone Tree Farm, F43A Flat Rock, Esc, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like E39A baz=87, F46A Macinaw City C, G40A Rib Lake, etc.

DJA 03 14:04:32.7, 0.9, 1°N:8°E, h10km, M3.5/6, MLV3.5/6, Minahasa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MRSI Marisa, MRSI Cibinong, KMSI KMSI, etc.

CSEM 03 14:16:23.2, 0.2, 37.27N:7.78W, h15km, ML3.7/16, Error ellipse: s-maj=3.6km s-min=2.6km az=66.0

ISC/JB 03 14:16:23.1, 0.3, 37.26N:0.02:7.76W:0.03, h27km, 3km, Error ellipse: s-maj=3.9km s-min=2.7km az=145.5

CNRM 03 14:16:24.6, 1.8, 37.22N:7.81W, h23km, MD3.8, INMG 03 14:16:24.6, 1.8, 37.24N:7.79W, h11km, 2km, MD3.3, ML3.7, Error ellipse: s-maj=2.1km s-min=1.7km az=37.0

SFS 03 14:16:24.0, 1.7, 37.28N:7.81W, h10km, ML3.5/3, Error ellipse: s-maj=2.4km s-min=1.8km az=23.0

IGL 03 14:16:24.5, 37.24N:7.79W, h10km, ML3.6, MDD 03 14:16:24.9, 0.3, 37.28N:7.82W, h19km, 2km, mbL0, 3.5/6, Error ellipse: s-maj=3.7km s-min=2.6km az=11.0, PRXIMO P)

MDD EMS: II-IIH INTENSIDAD MAXIMA-ESPAA. EMS: IV INTENSIDAD MAXIMA-PORTUGAL (INSTITUTO METEOROLOGIA-I-

ISC 03 14:16:23.5, 1.0, 37.28N:0.02:7.79W:0.02, h18km, 3km, n149, c189/258, 12C-6D, Portugal

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PBVD Barranco-do-Ve, PVAQ Vaqueiros, EGRO El Granado, etc.



M5 3.5/7, ms1mx3.2/33, Error ellipse: s-maj=16.0km s-min=8.1km az=76.0
DJA 03 14:28:58.1, 0.9, 5.5, S: 8.1x14.5E: 1.0, h76km, 8km, M5, 1/13, mb5.0/13, mB5.1/7, MLV5.6/3, Mw(mB)4.5/7
NEIC 03 14:28:59.2, 0.8, 4.82S: 144.99E, h14km, 7km, mb4.6/28, Error ellipse: s-maj=7.1km s-min=5.5km az=108.0
ISC 03 14:28:58.8, 0.5, 4.89S: 0.05x145.05E: 0.06, h106km, 5.5km, h106km, pP, n2, 156/106, mb4.6/50, 1C, Near north coast of New Guinea

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

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

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

ellipse: s-maj=3.2km s-min=2.2km az=41.0  
 BUJ 03 15:17:03.1,37.80N,21.00E,h28km,mb4.6/10,mb4.8/5,  
 Ms5.1/2,Ms7.4/1  
 ATH 03 15:17:03.6,37.79N,21.06E,h21km,ML3.3/19,Error  
 ellipse: s-maj=1.0km s-min=0.6km az=237.0  
 TIR 03 15:17:04.4,38.32N,21.75E,h1km  
 NEIC 03 15:17:04.1,0.9,37.80N,20.98E,h26km,7km,mb4.4/3,  
 Error ellipse: s-maj=6.4km s-min=5.5km az=203.0  
 THE 03 15:17:04.1,37.77N,21.07E,h0km,2km,ML3.2/13,Error  
 ellipse: s-maj=2.1km s-min=0.7km az=244.0  
 IDC 03 15:17:06.2,37.80N,21.10E,h2km,27km,mb3.5/11,  
 mb1.0/9/13,mb1mx3.4/8,mbtmp3.7/13,ML3.3/2,Ms4.1/2,  
 Ms1.4/1/2,ms1mx3.4/4.0,Error ellipse: s-maj=21.1km  
 s-min=15.1km az=45.0  
 ISC 03 15:17:03.4,0.7,37.78N,0.02,21.02E,0.02,h19km,2km,  
 n315,01s27/398,mb4.0/18,Southern Greece

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	Op	ISC	h m s	ISC
VTN	Vitineika	0.19	44	P	Pg	15 17 10.0	+1.7			
VTN	Vitineika	0.19	44	P	Pg	15 17 09.2	+0.9			
VTN	Vitineika	0.19	44	P	Sb	15 17 10.6	+0.3			
VTN	Vitineika	0.19	44	P	Pg	15 17 09.2	+0.9			
VTN	Vitineika	0.19	44	P	Sb	15 17 10.6	+0.3			
KFL	Anninata	0.38	331	P	Pb	15 17 12.4	+0.7			
KFL	Anninata	0.38	331	P	Sb	15 17 12.1	+0.5			
KFL	Anninata	0.38	331	P	Sb	15 17 18.7	+1.6			
KFL	Anninata	0.38	331	P	Sb	15 17 12.1	+0.5			
KFL	Anninata	0.38	331	P	Sb	15 17 18.7	+1.6			
RLS	Riolos of Patr	0.45	52	P	Sb	15 17 12.8	+0.1			
RLS	Riolos of Patr	0.45	52	P	Sb	15 17 20.6	+1.4			
RLS	Riolos of Patr	0.45	52	P	Sb	15 17 20.6	+1.4			
RLS	Riolos of Patr	0.45	52	P	Pg	15 17 12.4	-0.2			
RLS	Riolos of Patr	0.45	52	P	Sb	15 17 19.1	-0.1			
RLS	Riolos of Patr	0.45	52	P	Sb	15 17 12.4	-0.2			
RLS	Riolos of Patr	0.45	52	P	Sb	15 17 19.1	-0.1			
VLS	Valsamata	0.52	320	P	Sb	15 17 14.7	+0.7			
VLS	Valsamata	0.52	320	P	Sb	15 17 23.3	+1.0			
VLS	Valsamata	0.52	320	P	Sb	15 17 23.3	+1.0			
VLS	Valsamata	0.52	320	P	Pg	15 17 12.4	-0.2			
VLS	Valsamata	0.52	320	P	Sb	15 17 23.8	+0.5			
VLS	Valsamata	0.52	320	P	Sb	15 17 14.5	+0.5			
VLS	Valsamata	0.52	320	P	Sb	15 17 23.8	+0.5			
DRO	Drossia	0.57	72	P	Sb	15 17 14.2	-0.7			
DRO	Drossia	0.57	72	P	Sb	15 17 22.7	+0.1			
DRO	Drossia	0.57	72	P	Sb	15 17 22.7	+0.1			
DRO	Drossia	0.57	72	P	Pb	15 17 14.3	-0.5			
DRO	Drossia	0.57	72	P	Pb	15 17 14.3	-0.5			
AMT	Artemida-Makis	0.60	114	P	Sb	15 17 14.8	-0.5			
AMT	Artemida-Makis	0.60	114	P	Sb	15 17 14.8	-0.5			
AMT	Artemida-Makis	0.60	114	P	Sb	15 17 14.8	-0.5			
AMT	Artemida-Makis	0.60	114	P	Sb	15 17 14.8	-0.5			
MES3	Kyparissia	0.74	135	P	Sb	15 17 15.8	-1.9			
MES3	Kyparissia	0.74	135	P	Sb	15 17 28.9	-0.8			
MES3	Kyparissia	0.74	135	P	Sb	15 17 16.9	-0.8			
MES3	Kyparissia	0.74	135	P	Sb	15 17 28.9	-0.8			
FSK	Fiskardo	0.77	332	P	Sb	15 17 18.7	+0.7			
FSK	Fiskardo	0.77	332	P	Sb	15 17 18.7	+0.7			
UPR	University Cam	0.79	50	P	Pn	15 17 19.9	+0.3			
UPR	University Cam	0.79	50	P	Pn	15 17 19.9	+0.3			
UPR	University Cam	0.79	50	P	Pn	15 17 19.9	+0.3			
UPR	University Cam	0.79	50	P	Pn	15 17 19.9	+0.3			
PDO	Prodromos	0.83	9	P	Pg	15 17 19.8	+0.2			
PDO	Prodromos	0.83	9	P	Pg	15 17 19.8	+0.2			
PDO	Prodromos	0.83	9	P	Pg	15 17 19.8	+0.2			
PDO	Prodromos	0.83	9	P	Pg	15 17 19.8	+0.2			
LAKA	Lakka	0.89	59	P	Sb	15 17 19.5	-0.7			
LAKA	Lakka	0.89	59	P	Sb	15 17 32.9	-0.5			
LAKA	Lakka	0.89	59	P	Sb	15 17 19.5	-0.7			
LAKA	Lakka	0.89	59	P	Sb	15 17 32.9	-0.5			
MGNA	Meganis,,	0.89	349	P	Sb	15 17 19.1	-1.0			
MGNA	Meganis,,	0.89	349	P	Sb	15 17 35.0	+1.5			
MGNA	Meganis,,	0.89	349	P	Sb	15 17 19.1	-1.0			
MGNA	Meganis,,	0.89	349	P	Sb	15 17 35.0	+1.5			
PVO	Paravola	0.93	25	P	Sb	15 17 21.4	+0.0			
PVO	Paravola	0.93	25	P	Sb	15 17 32.7	-0.1			
PVO	Paravola	0.93	25	P	Sb	15 17 21.4	+0.0			
PVO	Paravola	0.93	25	P	Sb	15 17 32.7	-0.1			
KLV	Kalavyrtia, Ach	0.93	73	P	Sb	15 17 33.2	+0.4			
KLV	Kalavyrtia, Ach	0.93	73	P	Sg	15 17 34.1	+0.1			
KLV	Kalavyrtia, Ach	0.93	73	P	Sb	15 17 33.2	+0.4			
KLV	Kalavyrtia, Ach	0.93	73	P	Sg	15 17 34.1	+0.1			
KLV	Kalavyrtia, Ach	0.93	73	P	Pb	15 17 20.1	-1.0			
KLV	Kalavyrtia, Ach	0.93	73	P	Pb	15 17 20.1	-1.0			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			
ITM	Ithomi	0.94	129	P	Sb	15 17 20.5	+0.6			
ITM	Ithomi	0.94	129	P	Sb	15 17 35.1	+0.5			









Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like KONO, KONGSBERG, ABKAR, etc.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like PVAQ, CASMILLO, PCAS, etc.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like MBAR, ZAAO, ZAA1, etc.

3d 15h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like LZH, TSUM, OPO, CD2, RES, YAK, HHC, CMIAI, CHTO, CMHT, TIY, CM31, CMAR, CM01, ZEA, LBTB, BJI, ENH, PBKT, PBKT, TIA, BOSA, EMMW, CN2, BILL, and BIL.

2012 MAY

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PKME, SEY, KLR, NJ2, MA2, TRQ, VTI, FRNY, FCC, ACCN, USRK, LONY, INK, INK, ACCN, TOLK, PSI, PSI, PEO, PLVO, PLVO, KS01, KS15, KSAR, KSAR, KSRS, KSRS, KSRS, KSRS, DELO, COLO, ODNJ, SADO, YKVS, YKA, YKA, KSPA, N59A, N59A, IM3, CLWO, MLY, MDM, COLA, COLA, IL1, ILAR, ILB, SSPA, SSPA, WRH, DAWY, M54A, O56A, O56A, SCRK, RIDG, N54A, FFC, FFC, D41A, PETK, JUNU, IP05, JSRW, E41A, ULM, ULM, ULM, C37A, B35A, E39A, H43A, SKR, SKR, SKR, C36A, A33A, B34A, SUA, HYT, C35A, SVW2.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like RC01, F38A, G39A, D35A, MJB9, MAJO, MAJO, MAJO, MJAR, F36A, SEW, J41A, O47A, C31A, J39A, KMSC, L41A, PAULI, JSC, JSC, L40A, WCI, J37A, R47A, N42A, L39A, S48A, TKL, TKL, TKL, M40A, K37A, Q45A, L38A, N41A, P43A, M39A, T48A, CPCT, K36A, R45A, L37A, O41A, ECSD, ECSD, M38A, T47A, N39A, P41A, O40A, GOGA, GOGA, GOGA, N38A, Q42A, U47A, R43A, S44A, V48A, P40A, Q41A, V47A, P39B, S43A, W48A, Q40A, 254A, X49A, R41A, Y50A, V46A, S42A, CCM, CCM, CCM, W47A, LAO, Q39A, EGMT, T43A, Y49A, R40A.



Table with columns: MDNY, BORA, KCTX, ESKT, ADVT, GONE, ARMT, YLV, GPA, GULT, BUY, HRT, SPNC, SVRH, SAUV, ISK, AUMH, SILT, MDUB. Rows list station names and coordinates.

Table with columns: BALLY, SHUT, BORA, GONE, ESKT, ARMT, GPA, KNL, GULT, HRT, SPNC, AYVA, AYVA, SAUV, ISK, AUMH, SILT, MDUB. Rows list station names and coordinates.

ISC/JB 03 15:41:25.1±0.6, 31°27'N, 105°11'51.6"E, 0.04, h6km, 10km, Error ellipse: s-maj=7.8km s-min=6.2km az=19.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include SPIG San Pedro Mart, SPX San Pedro Mart, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include ECXB El Chinerro, ZAX El Zacaeton, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include ECN Esteban Cantan, ECN Punta Banda, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include RMX Cerro Bola, RMX Tijuana, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include RMX Cerro Bola, RMX Tijuana, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include RMX Cerro Bola, RMX Tijuana, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include RMX Cerro Bola, RMX Tijuana, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include RMX Cerro Bola, RMX Tijuana, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include RMX Cerro Bola, RMX Tijuana, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include RMX Cerro Bola, RMX Tijuana, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include RMX Cerro Bola, RMX Tijuana, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include RMX Cerro Bola, RMX Tijuana, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include RMX Cerro Bola, RMX Tijuana, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include RMX Cerro Bola, RMX Tijuana, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include RMX Cerro Bola, RMX Tijuana, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include RMX Cerro Bola, RMX Tijuana, etc.

ISC/JB 03 15:36:18.7±0.6, 39°07'N, 104°29'13"E, 0.04, h3km, 5km, Error ellipse: s-maj=4.7km s-min=3.4km az=154.9

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include SIMA Simav-Kutahya, DEMI Demirci, TVSB Tavsanli, KULA Kula-Manisa, etc.

IASPEI 03 15:40:57.7±0.1, 39°13'N, 102°29'06"E, 0.02, h8km, 8km, Error ellipse: s-maj=3.6km s-min=3.4km az=139.8, GT5

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include SIMA Simav-Kutahya, TVSB Tavsanli, DURS Dursunbey, KULA Kula-Manisa, etc.

ISC/JB 03 15:47:52.8±0.3, 39°13'N, 102°16"E, h5km, ML2.8/18 Error ellipse: s-maj=4.0km s-min=3.5km az=153.1

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include SIMA Simav-Kutahya, DEMI Demirci, TVSB Tavsanli, KULA Kula-Manisa, etc.

IASPEI 03 15:40:05.9±0.3, 39°12'N, 102°29'08"E, 0.03, h8km, 7km, Error ellipse: s-maj=4.4km s-min=3.7km az=164.2, GT5

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include SIMA Simav-Kutahya, TVSB Tavsanli, DURS Dursunbey, KULA Kula-Manisa, etc.

IASPEI 03 15:40:58.2±0.1, 39°17'N, 102°02'E, h6km, ML3.8 Error ellipse: s-maj=4.7km s-min=3.2km az=157.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include SIMA Simav-Kutahya, TVSB Tavsanli, DURS Dursunbey, KULA Kula-Manisa, etc.

MEX 03 15:47:56.6±0.1, 15°39'N, 98°21'W, h7km, 4km, MD3.9, Off coast of Guerrero

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include PNIG Pinotepa, TLIG Tlapa, VHO Vista Hermosa, etc.





3d 16h

Table with columns for station code, name, frequency, and signal strength. Includes stations like Qiongzhong, Korea Array, Wonju Array, etc.

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Table with columns for station code, name, frequency, and signal strength. Includes stations like KMI, KHLH, LAMP, etc.

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Table with columns for station code, name, frequency, and signal strength. Includes stations like BOD, BOD, TLY, etc.



3d 16h

Table with columns: Station Name, Time, Res, and various codes. Includes stations like FETA, TUE, BNI, LPAZ, SDV, etc.

2012 MAY

Main table with columns: Station Name, Time, Res, and various codes. Includes stations like GPA, BOLV, BURDUR-Merkez, DENIZLI\_Tavas, etc.

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MOS 03 16:16:03.9-1.1, 39:11N-29:13E, h10km, mb4.2/22, Error ellipse: s-maj=5.6km s-min=5.5km az=94.5

ISCJJB 03 16:16:04.5-0.3, 39:11N-29:06E-0.01, h9km, 2km, mb4.2/37, MS2.72, Error ellipse: s-maj=2.0km s-min=1.9km az=173.7

IDC 03 16:16:04.0-0.8, 39:05N-29:11E, h0km, km3.9/11, mb1.3/9.18, mb1mx3.8/65, mbtmp3.9/18, ML3.5/7, MS2.9/5, Mb1.2/9.5, ms1mx2.6/54, Error ellipse: s-maj=1.4km s-min=1.1km az=38.0

IASPEI 03 16:16:04.8-1.0, 39:12N-02:29:07E-0.02, h3km, 8km, mb4.1/37, Error ellipse: s-maj=3.1km s-min=2.5km az=3.1, 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, <b>Seism. Res. Let.</b>, <b>8</b>-<b>20</b>, 465-472, 2009

NEIC 03 16:16:04.2-0.0, 39:12N-29:07E, h2km, mb4.2/26, ML4.1(THE), ML4.4(ISK), ML4.5(DDA), After ISK

DDA 03 16:16:04.3, 39:10N-29:04E, h25km, M14.5, ISK 03 16:16:04.3, 39:12N-29:07E, h3km, ML4.4/25

CSEM 03 16:16:05.0-0.1, 39:10N-29:08E, h5km, mb4.3/29, Error ellipse: s-maj=2.0km s-min=1.8km az=175.0

THE 03 16:16:08.7, 39:08N-28:96E, h2km, 5km, ML4.1/3, Error ellipse: s-maj=5.8km s-min=1.1km az=63.0

ISC 03 16:16:05.3-0.6, 39:11N-01:29:06E-0.01, h6km, 4km, n443, r1924/527, mb4.1/37, 24C-22D, Turkey

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like SIMA, DEMI, KUTH, etc.

Table with columns: DIVS, Divibare, 8.42 309 ePn, Pn, 16 18 08.4 +0.4, BURAR, Bucovina Array, 8.95 343 l/P, Pn, 16 18 17.2 +2.1, BURAR, Bucovina Array, 8.95 343 P, Pn, 16 18 17.2 +2.1, BUR04, Bucovina Ar. S, 8.95 343 ePn, Pn, 16 18 16.0 +0.8, BUR04, Bucovina Ar. S, 8.95 343 ePn, Pn, 16 18 15.2 -0.4, BUR08, Bucovina Ar. S, 8.98 343 ePn, Pn, 16 18 15.2 -0.4, SORM, Soroca, 9.03 357 l/P, Pn, 16 18 15.9 -0.3, ASF, Jabal al Asfar, 9.41 325 Pn, Pn, 16 18 20.2 -1.4, TIP, Timpageade, 9.56 274 ePn, Pn, 16 18 25.0 +1.4, TIP, Timpageade, 9.56 274 ePn, Pn, 16 18 25.0 +1.4, EIL, Elat, 10.60 151 Pn, Pn, 16 18 37.5 -0.3, EIL, 0.7nm, 0.3s, baz=248, slow=1.7, SNR=8.1, Sn, 16 20 33.3 -3.5, KIV, Kislovodsk, 11.30 60 eP, Pn, 16 18 47.7 +0.4, KIV, Kislovodsk, 11.30 60 eP, Pn, 16 18 47.7 +0.4, KIV, comp=Z, 5.0nm, 1.1s, 15 53 307 Pmax, MLR, 16 24 23.4, KIBZ, Khabaz, 11 36 62 LR, LR, 16 24 23.4, KIEV, Kiev, 11 58 0 eP, Pn, 16 18 50.3 -0.8, KIEV, Kiev, 11 58 0 eP, Pn, 16 18 50.3 -0.8, AKASG, Malin Array Be, 11 59 1 Pn, Pn, 16 18 50.1 -1.0, GNI, comp=Z, 0.9nm, 0.3s, baz=141, slow=15, SNR=2.5, 12 30 LR, LR, 16 23 51.0, GNI, comp=Z, 7.1nm, 20.7s, baz=255, slow=39, 12 30 LR, LR, 16 23 51.0, CONA, Conrad Observa, 13.00 317 i/P, Pn, 16 19 14.6 +4.0, KBA, Koelnbreinsper, 13.06 310 P, Pn, 16 19 35.3 +3.4, MAK, Makhachkala, 14.44 69 eS, Sn, 16 19 27.4 -2.8, MAK, Makhachkala, 14.44 69 eS, Sn, 16 22 07.1 -3.4, MAK, comp=Z, 1.71nm, 1.1s, 15 53 307 Pmax, MLR, 16 24 23.4, GEC2, GERESS Array S, 14.70 316 ePn, Pn, 16 19 33.6 -0.2, GEC2, GERESS Array S, 14.70 316 ePn, Pn, 16 19 33.6 -0.2, GEC2, GERESS Array S, 14.70 316 ePn, Pn, 16 19 33.6 -0.2, GERES, GERESS Array B, 14.70 316 Pn, Pn, 16 19 38.8 -1.3, FETA, Feichtal, 17.52 301 P, P, 16 19 48.1 -1.4, SENIN, Lac Senin/Sane, 17.52 301 ePn, P, 16 20 13.4 +1.9, SENIN, Lac Senin/Sane, 17.52 301 ePn, P, 16 20 13.4 +1.9, BFO, Black Forest, 17.55 308 ePn, P, 16 20 14.1 +2.5, BFO, Black Forest, 17.55 308 ePn, P, 16 20 14.1 +2.5, BFO, Black Forest, 17.55 308 ePn, P, 16 20 14.1 +2.5, BFO, Black Forest, 17.55 308 ePn, P, 16 20 14.1 +2.5, MOS, Moscow, 17.59 16 eP, Pmax, 16 20 13.7 +1.7, BNI, Bardonecchia, 17.62 297 ePn, P, 16 20 15.4 +2.8, BNI, Bardonecchia, 17.62 297 ePn, P, 16 20 15.4 +2.8, BNI, Bardonecchia, 17.62 297 ePn, P, 16 20 15.4 +2.8, BNI, Bardonecchia, 17.62 297 ePn, Pmax, 16 20 15.4 +2.8, ECH, Echery, 18.22 307 ePn, P, 16 20 21.0 +2.0, ECH, Echery, 18.22 307 ePn, P, 16 20 21.0 +2.0, CDF, Champ du Feu, 18.22 308 eP, Pn, 16 20 19.9 +0.8, VSU, Vasula, 18.42 356 eP, Pmax, 16 20 33.3 +0.1, SSF, Saint Sauge, 20.22 301 eP, P, 16 20 41.2 +0.3, SSF, Saint Sauge, 20.22 301 eP, Pmax, 16 20 41.2 +0.3, SSF, Saint Sauge, 20.22 301 eP, Pmax, 16 20 41.2 +0.3, SSF, Saint Sauge, 20.22 301 eP, Pmax, 16 20 41.2 +0.3, RAYN, Ar Rayn, 20.90 133 eP, P, 16 20 49.0 +0.5, RAYN, Ar Rayn, 20.90 133 eP, P, 16 20 49.0 +0.5, RAYN, Ar Rayn, 20.90 133 eP, P, 16 20 49.0 +0.5, RAYN, Ar Rayn, 20.90 133 eP, Pmax, 16 20 49.0 +0.5, FIAO, FINESS Array S, 22.43 356 eP, P, 16 21 05.2 +0.6, FIAO, FINESS Array S, 22.43 356 eP, P, 16 21 05.2 +0.6, FIA1, FINESS Array S, 22.43 356 eP, P, 16 21 05.5 +0.9, FINES, FINESS Array B, 22.43 356 P, P, 16 21 05.2 +0.6, MFF, Saint Martin d, 22.59 299 eP, P, 16 21 07.1 +0.7, MFF, Saint Martin d, 22.59 299 eP, Pmax, 16 21 07.1 +0.7, KLMR, Klimovskoe, 22.72 13 eP, Pmax, 16 21 05.4 -2.3, KLMR, Klimovskoe, 22.72 13 eP, Pmax, 16 21 05.4 -2.3, KLMR, Klimovskoe, 22.72 13 eP, AMP, 16 21 10.1, GEYT, Alibeck, 22.73 84 P, P, 16 21 07.9 -0.8, GEYT, Alibeck, 22.73 84 P, LR, 16 21 07.9 -0.8, GYA0B, ALIBECK ARRAY, 22.73 84 eP, P, 16 21 08.2 +0.2, GYA0B, ALIBECK ARRAY, 22.73 84 eP, P, 16 21 08.2 +0.2, HFS, Hagfors, 23.15 340 P, P, 16 21 12.7 +0.5, AKTO, Aktuybas, 23.31 51 P, P, 16 21 12.6 -1.4, KONO, Kongsberg, 23.97 335 eP, P, 16 21 19.6 -0.6, KONO, Kongsberg, 23.97 335 eP, Pmax, 16 21 19.6 -0.6, ABKAR, Akbulak, 24.20 55 eP, P, 16 21 22.0 -0.5, NC602, NORARS Array S, 24.25 339 eP, P, 16 21 24.9 +2.0, NAO01, NORARS Array S, 24.53 338 eP, P, 16 21 24.7 -0.7, NB2, NORARS Subarra, 24.59 339 P, P, 16 21 25.3 -0.7, NB200, NORARS Array S, 24.59 339 eP, P, 16 21 25.3 -0.7, NOA, NORARS Array B, 24.59 339 P, P, 16 21 25.3 -0.7, NOA, NORARS Array B, 24.59 339 P, LR, 16 32 50.3, NB002, NORARS Array S, 24.70 339 eP, P, 16 21 28.0 +1.0, PRGR, Permogore, 24.75 19 eP, P, 16 21 25.1 -2.3, PRGR, Permogore, 24.75 19 eP, Pmax, 16 21 25.1 -2.3, ESLS, Sonseca Array, 25.45 282 eP, P, 16 21 34.4 +0.4, ESLS, Sonseca Array, 25.45 282 eP, P, 16 21 34.4 +0.4, TAM, Tamanrasset, 25.82 238 eP, P, 16 21 37.6 0.0, TAM, Tamanrasset, 25.82 238 eP, P, 16 21 37.6 0.0, TAM, Tamanrasset, 25.82 238 eP, Pmax, 16 21 37.6 0.0, TAM, Tamanrasset, 25.82 238 eP, Pmax, 16 21 37.6 0.0, ARU, Arti, 26.03 39 P, P, 16 21 40.0 +1.0, ARU, Arti, 26.03 39 P, P, 16 21 40.0 +1.0, ARU, Arti, 26.03 39 d/P, P, 16 21 40.5 +1.5, ARU, Arti, 26.03 39 d/P, S, 16 26 14.3 +4.2, ARU, Arti, 26.03 39 d/P, S, Sn, 16 27 09.5 +2.6, ARU, Arti, 26.03 39 d/P, S, Sn, 16 27 09.5 +2.6, UOSS, Minazif, 26.88 114 eP, P, 16 21 46.1 -0.9, UOSS, Minazif, 26.88 114 eP, P, 16 21 46.1 -0.9, EKA, Eskdalemuir Ar, 26.91 318 P, P, 16 21 47.9 +0.9, KK31, Karatay Array, 31.25 69 eP, P, 16 22 25.3 -0.5, KK31, Karatay Array, 31.25 69 eP, P, 16 22 25.3 -0.5, KKAR, Karatay Array, 31.25 69 eP, P, 16 22 25.6 -0.2, KKAR, Karatay Array, 31.25 69 eP, P, 16 22 25.6 -0.2, AAK, Ala-Archa, 34.22 69 eP, P, 16 22 52.5 +0.6

Table with columns: AAK, Ala-Archa, 34.22 69 eP, P, 16 22 52.5 +0.6, TOA1, Torodi Ar. Bea, 35.41 231 eP, P, 16 23 01.2 -1.0, TOR1, Torodi Ar. Bea, 35.41 231 P, P, 16 23 01.2 -1.0, NNRN, Naryn, 35.55 71 eP, P, 16 23 02.9 -0.7, NNRN, Naryn, 35.55 71 eP, Pmax, 16 23 02.9 -0.7, NIL, Nilore, 35.72 85 eP, P, 16 23 05.5 +0.7, NIL, Nilore, 35.72 85 eP, P, 16 23 05.5 +0.7, NIL, Nilore, 35.72 85 eP, Pmax, 16 23 05.5 +0.7, NIL, Nilore, 35.72 85 eP, Pmax, 16 23 05.5 +0.7, KSH, Kashi, 35.97 74 P, P, 16 23 07.3 -3.3, KURBB, Kurchatov Arra, 36.26 56 P, P, 16 23 08.1 -1.0, KURK, Kurchatov, 36.31 55 eP, P, 16 23 08.1 -1.5, KURK, Kurchatov, 36.31 55 eP, P, 16 23 13.2 +1.1, MAKZ, Makanchi, 38.84 61 eP, P, 16 23 30.5 -0.7, MAKZ, Makanchi, 38.84 61 eP, Pmax, 16 23 30.5 -0.7, MAKZ, Makanchi, 38.84 61 eP, Pmax, 16 23 30.5 -0.7, MK31, Makanchi Array, 39.06 61 eP, P, 16 23 32.7 -0.3, MK31, Makanchi Array, 39.06 61 eP, P, 16 23 32.7 -0.3, MK32, Makanchi Array, 39.06 61 P, P, 16 23 32.9 -0.1, MKAR, Makanchi Array, 39.06 61 eP, P, 16 23 32.9 -0.1, MKAR, Makanchi Array, 39.06 61 eP, P, 16 23 32.7 -0.3, MKAR, Makanchi Array, 39.06 61 eP, Pmax, 16 23 32.7 -0.3, MKAR, Makanchi Array, 39.06 61 eP, Pmax, 16 23 32.7 -0.3, MK01, Morro de la Ar, 39.07 61 eP, P, 16 23 32.6 -0.4, MACI, Morro de la Ar, 39.08 268 eP, P, 16 23 33.7 +0.2, SPA0, Spitsbergen Ar, 39.53 356 eP, P, 16 23 37.2 +0.7, ZAA1, Zalesovo Array, 40.04 49 eP, P, 16 23 39.3 -1.7, ZAA0, Zalesovo Array, 40.04 49 eP, P, 16 23 39.2 -1.8, ZALV, Zalesovo Beam, 40.04 49 P, P, 16 23 39.3 -1.7, ZALV, Zalesovo Beam, 40.04 49 eP, P, 16 23 40.0 -1.0, SCO, Scoresbysum, 40.87 336 eP, P, 16 23 48.3 +0.8, SCO, Scoresbysum, 40.87 336 eP, Pmax, 16 23 48.3 +0.8, DGZ, Jazator, Alta, 42.03 56 i/P, P, 16 23 57.8 +0.1, DGZ, Jazator, Alta, 42.03 56 i/P, Pmax, 16 23 57.8 +0.1, WMQ, Urumqi, 43.40 64 P, S, 16 24 10.7 +2.0, WMQ, Urumqi, 43.40 64 sP, S, 16 24 17.0 +5.8, ANGG, Ammassalik, Gr, 45.62 328 eP, P, 16 24 26.7 +0.6, SUMG, Summit, 46.47 337 eP, P, 16 24 33.9 +0.8, SUMG, Summit, 46.47 337 eP, Pmax, 16 24 33.9 +0.8, ILULI, Ilulissat, 50.63 333 eP, P, 16 25 04.6 -0.1, ILULI, Ilulissat, 50.63 333 eP, Pmax, 16 25 04.6 -0.1, ILULI, Ilulissat, 50.63 333 eP, Pmax, 16 25 04.6 -0.1, TLY, Talaya, 51.65 50 eP, P, 16 25 12.8 +0.1, TLY, Talaya, 51.65 50 eP, Pmax, 16 25 12.8 +0.1, LZH, Lanzhou, 57.73 68 eP, P, 16 25 57.6 +0.4, LZH, Lanzhou, 57.73 68 eP, S, 16 26 00.8 +1.0, LZH, Lanzhou, 57.73 68 eP, S, 16 26 02.4 +3.3, LZH, Lanzhou, 57.73 68 eP, PP, 16 26 07.0 +2.0, CD2, Chengdu, 60.16 73 P, P, 16 26 12.4 -1.6, YAK, Yakutsk, 60.89 32 eP, P, 16 26 19.8 +1.4, YAK, Yakutsk, 60.89 32 eP, Pmax, 16 26 19.8 +1.4, HHC, Huhhot, 62.39 59 eP, P, 16 26 18.2 -0.8, KMI, Kunming, 62.39 59 P, P, 16 26 31.6 +2.2, KS01, Wonju Array Si, 73.40 75 eP, P, 16 27 37.6 -0.7, KS15, Wonju Array Si, 73.42 55 eP, P, 16 27 38.0 -0.4, KSAR, Wonju Array Be, 73.42 55 P, P, 16 27 37.8 -0.6, KSAR, Wonju Array Be, 73.42 55 P, P, 16 27 37.8 -0.6, KSRS, Korea Array, 73.44 55 P, P, 16 27 37.8 -0.7, SADO, Sadowa, 74.46 315 eP, P, 16 27 45.5 +1.2, IDC 03 16:21:37.8-9.9, 23:69S:179:66W, h477km, 87km, mb3.6/6, mb1.3/7.7, mb1mx3.2/46, mbtmp4.4/7, Error ellipse: s-maj=74.7km s-min=35.1km az=34.0, ISCJB 03 16:21:40.4-2.9, 23:68S:0:1:180:0W:0.4, h500km, mb4.0/6, Error ellipse: s-maj=54.9km s-min=13.8km az=164.5, IDC 03 16:21:40.7-1.4, 23:95S:0:1:179:8W:0.2, h500km, n13, i=177/13, mb4.2/6, South of Fiji Islands, Code Station Name, Az, AzZ, Phase ID, Time Res, URZ, Urewera, 14.57 190 P, ISC, 16 24 46.3 +0.2, URZ, Urewera, 1.3nm, 0.3s, baz=260, slow=2.6, SNR=13 S, S, 16 27 18.6 -0.5, CTA, Chartwell, 31.63 270 P, P, 16 27 22.9 +0.7, STKA, Stephens Creek, 34.87 248 P, P, 16 27 49.7 +0.1, ASAR, Alice Springs, 42.16 261 P, P, 16 28 49.1 -0.1, WRA, Warramunga Arr, 42.52 256 P, P, 16 28 51.5 -0.7, SIJ, Sorong, 52.58 288 P, P, 16 30 06.5 -1.1, CMAR, Chiang Mai Arr, 89.67 290 P, P, 16 33 46.8 +1.4, MKAR, Makanchi Array, 112.25 313 PKP, PKP, 16 39 16.9 -2.2, BVAR, Borovoye Array, 120.53 319 PKP, PKP, 16 39 33.2 -1.6, HFS, Hagfors, 142.56 349 PKhK, PKP, 16 40 11.1, AKASG, Malin Array Be, 145.04 327 PKP, PKP, 16 40 19.1 -1.3, BRTR, Keskin Array B, 147.69 307 PKP, PKP, 16 40 27.6 +2.2, MMAI, Mount Meron Arr, 147.84 294 PKP, PKP, 16 40 29.3 +3.6, ISCJB 03 16:27:47.8-0.5, 39:11N:0:03:29:11E:0:03, h2km, 6km, Error ellipse: s-maj=5.2km s-min=3.9km az=178.5, CSEM 03 16:27:47.9-0.1, 39:11N:29:12E, h5km, ML2.4, Error ellipse: s-maj=2.7km s-min=2.4km az=113.0, DDA 03 16:27:47.7, 39:11N:29:10E, h7km, ML2.9, ISC 03 16:27:47.2, 39:09N:29:15E, h5km, ML2.4/9, ISC n34, 0:51/53, Turkey, Code Station Name, Az, AzZ, Phase ID, Time Res, SIMA, Simav-Kutahya, 0.11 256 PG, PG, 16 27 50.6 -0.1, SIMA, Simav-Kutahya, 0.11 256 PG, PG, 16 27 52.7 0.0, SIMA, Simav-Kutahya, 0.11 256 eP, PG, 16 27 50.6 -0.1, GDZ, Gediz, 0.28 94 i/P, P, 16 27 53.7 -0.1, GDZ, Gediz, 0.28 94 i/S, P, 16 27 57.9 +0.3, GDZ, Gediz, 0.28 94 P, P, 16 27 53.7 -0.1, DEMI, Demirci, 0.32 258 i/S, P, 16 27 57.9 +0.3, DEMI, Demirci, 0.32 258 i/S, P, 16 27 58.7 +0.1

Table with columns: DEMI, Demirci, 0.32 258 P, P, 16 27 54.2 -0.1, DEMI, Demirci, 0.32 258 P, S, 16 27 58.7 +0.1, TVSB, Tavsanli, 0.43 38 PG, PG, 16 27 55.7 -0.8, TVSB, Tavsanli, 0.43 38 eP, PG, 16 27 55.7 -0.8, KULA, Kula-Manisa, 0.69 211 eP, PG, 16 28 00.7 -0.7, KULA, Kula-Manisa, 0.69 211 eP, PG, 16 28 00.7 -0.7, DURS, Dursunbey, 0.70 315 i/P, S, 16 28 00.9 -0.6, DURS, Dursunbey, 0.70 315 i/S, S, 16 28 10.3 -0.4, DURS, Dursunbey, 0.70 315 P, S, 16 28 00.9 -0.6, DURS, Dursunbey, 0.70 315 P, S, 16 28 10.3 -0.4, MANT, Manisa, 0.76 215 i/P, P, 16 28 02.5 0.0, MANT, Manisa, 0.76 215 i/P, P, 16 28 12.1 -0.4, MANT, Manisa, 0.76 215 P, S, 16 28 02.6 0.0, MANT, Manisa, 0.76 215 i/P, S, 16 28 12.1 -0.4, KHAL, Karahalli, 0.79 158 i/P, P, 16 28 03.9 -0.1, KHAL, Karahalli, 0.79 158 i/S, P, 16 28 14.4 -0.4, KHAL, Karahalli, 0.79 158 P, S, 16 28 14.4 -0.4, ORLT, Orhaneli, 0.95 350 PG, PG, 16 28 06.4 -0.2, ORLT, Orhaneli, 0.95 350 eP, PG, 16 28 06.4 -0.2, STEP, BALKESIR\_Sava, 1.12 284 i/P, P, 16 28 10.0 +3.0, STEP, BALKESIR\_Sava, 1.12 284 i/S, P, 16 28 25.1 +1.0, STEP, BALKESIR\_Sava, 1.12 284 P, S, 16 28 10.0 +3.0, IGD, Bursa, 1.16 3 i/P, P, 16 28 10.4 +0.2, IGD, Bursa, 1.16 3 i/S, P, 16 28 11.6 +0.2, CAVI, Cavuskoj, 1.23 27 Pn, P, 16 28 26.8 +0.9, CAVI, Cavuskoj, 1.23 27 ePn, P, 16 28 26.8 +0.9, CAVI, Cavuskoj, 1.23 27 ePn, P, 16 28 28.8 +0.2, MDNY, Mudanya-Bursa, 1.27 352 Pn, P, 16 28 12.3 +0.3, MDNY, Mudanya-Bursa, 1.27 352 ePn, P, 16 28 12.3 +0.3, BORA, Eskisehir, 1.29 53 Pn, P, 16 28 12.4 -0.4, KCTX, Karacabey (Bur, 1.29 333 Pn, P, 16 28 12.9 +0.4, KCTX, Karacabey (Bur, 1.29 333 ePn, P, 16 28 12.9 +0.4, BALLY, Balya, 1.32 299 i/P, S, 16 28 11.6 -1.0, BALLY, Balya, 1.32 299 i/S, P, 16 28 29.5 -0.9, BALLY, Balya, 1.32 299 P, P, 16 28 11.6 -1.0, BALLY, Balya, 1.32 299 P, S, 16 28 29.5 -0.9, ARMT, Armutlu, 1.47 352 Pn, P, 16 28 15.8 -0.3, ARMT, Armutlu, 1.47 352 ePn, P, 16 28 15.8 -0.3, YLV, Yalova, 1.47 8 Pn, P, 16 28 15.4 -0.1, YLV, Yalova, 1.47 8 ePn, P, 16 28 15.4 -0.1, IDC 03 16:35:36.0-2.1, 5:11S:152:09E, h0km, mb3.6/3, mb1.4/0.4, mb1mx3.5/45, mbtmp3.7/4, ML2.0/1, Error ellipse: s-maj=142.9km s-min=25.0km az=127.0, New Britain region, Code Station Name, Az, AzZ, Phase ID, Time Res, PMG, Port Moresby, 6.49 229 Op, ISC, 16 37 15.0 +2.0, PMG, Port Moresby, 6.49 229 Pn, Pn, 16 37 15.0 +2.0, WRG, Warramunga Arr, 22.71 228 P, Sn, 16 40 38.3 -1.4, WRG, Warramunga Arr, 22.71 228 P, S, 16 40 38.3 -1.4, ASAR, Alice Springs, 25.45 222 P, P, 16 41 06.5 +0.6, ASAR, Alice Springs, 25.45 222 P, S, 16 41 06.5 +0.6, ILAR, Eielson Array, 82.71 22 P, P, 16 48 02.2 +0.8, ILAR, Eielson Array, 82.71 22 P, P, 16 48 02.2 +0.8, TORD, Torodi Ar. Bea, 149.72 287 PKP, PKP, 16 55 27.5 -1.5, TORD, Torodi Ar. Bea, 149.72 287 PKP, PKP, 16 55 27.5 -1.5, ISCJB 03 16:37:29.2-0.4, 32:89N:47:75E, h16km, 3km, ML2.9, CSEM 03 16:37:34.0-0.4, 32:75N:47:56E, h20km, ML2.6, Error ellipse: s-maj=11.7km s-min=8.9km az=164.0, TEH 03 16:37:31.3, 32:87N:47:70E, h10km, ML2.9, Iran-Iraq border region, Code Station Name, Az, AzZ, Phase ID, Time Res, IKFM, Kafir-mosalmn, 0.66 11 eP, ISC, 16 37 44.4 +0.3, IKFM, Kafir-mosalmn, 0.66 11 eP, AMB, 16 37 47.4, IKFM, Kafir-mosalmn, 0.66 11 eP, AMB, 16 37 47.4, IKFM, Kafir-mosalmn, 0.66 11 eP, AMB, 16 37 47.4, IKFM, Shooshtar-Gavs, 1.20 129 eS, S, 16 37 55.4 +1.2, IKFM, Shooshtar-Gavs, 1.20 129 eS, S, 16 37 56.6 +2.2, SHGR, Shirvan, 1.20 129 eS, S, 16 38 12.5 +2.0, IKOM, Komasi, 1.31 353 eP, PG, 16 37 57.3 +0.8, IKOM, Komasi, 1.31 353 eP, AMB, 16 37 58.6, IKOM, Komasi, 1.31 353 eP, AMB, 16 37 58.6, IKOM, Veis, 1.80 337 eS, S, 16 38 16.6 +3.1, IVIS, Veis, 1.80 337 eS, AMB, 16 38 33.0, IVIS, Khomeyn, 2.08 65 ePn, P, 16 38 05.0 +0.6, KHMZ, Khomeyn, 2.08 65 ePn, P, 16 38 05.0 +0.6, ILLM, Lien, 2.13 343 eP, P, 16 38 04.8 -2.4, SNGE, Sanandaj, 2.23 353 eP, P, 16 38 12.5 +0.6, NSR, Nassriya, 2.28 216 ePn, P, 16 38 07.5 -1.5, NSR, SNR=5.0, eS, Sn, 16 38 36.0 -1.1, ASAO, Ashtian, 2.56 49 ePn, P, 16 38 16.1 -1.4, BHD, Baghdad, 2.82 279 ePn, P, 16 38 16.0 -0.4, BHD, SNR=5.0, eS, Sn, 16 38 50.0 -0.4, IRAZ, Razeghan, 3.13 36 ePn, P, 16 38 25.1 -2.1, IRAZ, Razeghan, 3.13 36 ePn, AMB, 16 38 35.3, QAM, Ghamsar, 3.25 73 ePn, P, 16 38 26.2 -3.1, QAM, Ghamsar, 3.25 73 ePn, AMB, 16 38 29.3, IKLH, Kohalrood, 3.29 81 ePn, P, 16 38 26.5 -3.4, IKLH, Kohalrood, 3.29 81 ePn, AMB, 16 38 28.2, IGAR, Garneher, 3.69 96 ePn, P, 16 38 31.6 +3.0, IGAR, Garneher, 3.69 96 ePn, AMB, 16 39 17.1, IZEF, Zefreh, 3.89 88 ePn, P, 16 39 34.1 +2.6, IZEF, Zefreh, 3.89 88 ePn, AMB, 16 38 35.8, IRAM, Ramesheh, 4.10 104 ePn, P, 16 38 35.7 +1.4, IRAM, Ramesheh, 4.10 104 ePn, AMB, 16 39 33.0, IKAZ, Kazeroon, 4.69 130 ePn, P, 16 38 44.3 +1.8, IKAZ, Kazeroon, 4.69 130 ePn, AMB, 16 40 03.7, ANAR, Anarak, 5.07 85 ePn, P, 16 38 49.8 +2.3, IDC 03 16:40:52.4-2.1, 0:30S:91:49E, h0km, mb3.4/5, mb1.3/6/6, mb1mx3.4/64, mbtmp3.5/6, ML3.8/1, MS3.9/3, Ms1.3.9/3, ms1mx3.1/37, Error ellipse: s-maj=60.5km s-min=23.6km az=57.0, South Indian Ocean, Code Station Name, Az, AzZ, Phase ID, Time Res, PALK, Pallekele, 13.13 305 Op, ISC, 16 44 00.8 +0.5, PALK, Pallekele, 13.13 305 P, ISC, 16 44 00.8 +0.5, CMAR, Chiang Mai Arr, 20.03 291 P, P, 16 45 27.6 +0.6, CMAR, Chiang Mai Arr, 20.03 291 P, P, 16 45 27.6 +0.6, WRA, Warramunga Arr, 46.26 118 P, P, 16 49 19.5 -0.5, WRA, Warramunga Arr, 46.26 118 P, P, 16 49 19.5 -0.5, ASAR, Alice Springs, 47.24 123 P, P, 16 49 27.9 +0.3, ASAR, Alice Springs, 47.24 123 P, P, 16 49 27.9 +0.3, MKAR, Makanchi Array, 47.59 351 P, P, 16 49 29.7 -0.2, MKAR, Makanchi Array, 47.59 351 P, P, 16 49 29.7 -0.2, SONM, Yellowknife Ar, 49.67 13 P, P, 16 49 45.5 -0.5, SONM, Yellowknife Ar, 49.67 13 P, P, 16 49 45.5 -0.5



Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like CSS Mathiatis, TLB Topalu, SGRS Singureni, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like KLMR Klimovskoe, GEYT Alibeck, HFS Hagtfors, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ASAR Alice Springs, SIMA Simav-Kutahya, etc.





CCM	baz=167 Cathedral Cave baz=164	21.37 347 P	P	18 12 50.4 +1.6	18 13 59.0 +1.1
CCM	Cathedral Cave	21.37 347 eP	P	18 12 53.3 +4.6	18 14 03.3 +2.0
IP05	Hopewell Churc	21.45 16 eP	P	18 12 50.8 +1.0	18 14 03.5 +2.2
IP07	Quail	21.46 15 eP	P	18 12 50.8 +1.0	18 14 06.6 +1.3
IP06	Yanceyville	21.48 16 eP	P	18 12 51.1 +1.1	18 14 08.2 +1.8
R42A	Luebbering	21.49 348 P	P	18 12 51.7 +1.7	18 14 09.1 +2.7
OLIL	baz=165 Olney	21.51 354 eP	P	18 12 54.8 +4.5	18 14 08.2 +1.8
IP01	Cuckoo	21.52 16 eP	P	18 12 51.4 +1.0	18 14 09.1 +2.7
IP03	Louisa	21.56 15 eP	P	18 12 51.7 +1.0	18 14 08.2 +1.5
S39A	Bolivar	21.56 342 P	P	18 12 51.9 +1.1	18 14 09.2 +2.5
Q47A	baz=158,SNR=11 Bedou North L	21.59 357 P	P	18 12 52.3 +1.2	18 14 15.3 +2.2
SPRD	Spring Road, M	21.60 16 eP	P	18 12 52.1 +0.9	18 14 15.3 +2.2
IP04	Greensprings	21.61 15 eP	P	18 12 51.9 +0.6	18 14 18.4 +2.2
R41A	Rosebud	21.63 347 P	P	18 12 52.7 +1.2	18 14 19.5 +1.9
CVRD	baz=163,SNR=5.8 Centerville Ro	21.66 16 eP	P	18 12 52.8 +1.0	18 14 20.6 +1.8
Q45A	Warren Harvey,	21.68 354 P	P	18 12 53.6 +1.5	18 14 21.3 +2.3
S38A	Stockton	21.68 341 P	P	18 12 53.4 +1.3	18 14 22.8 +2.1
Q44A	baz=159,SNR=7.7 Meyer Farm, Va	21.79 352 P	P	18 12 54.9 +1.6	18 14 27.2 +2.2
BLO	Bloomington	21.82 357 eP	P	18 12 56.2 +2.6	18 14 27.5 +2.3
R40A	Maddies Statio	21.83 345 P	P	18 12 55.5 +1.8	18 14 27.3 +2.0
Q43A	New Douglas	21.93 350 P	P	18 12 56.3 +1.6	18 14 24.4 +2.0
R39A	Chumby, Stover	22.06 343 P	P	18 12 57.6 +1.4	18 14 28.9 +2.4
P47A	Martinsville	22.13 358 P	P	18 12 58.1 +1.2	18 14 29.4 +0.6
Q31A	Fenwick Farm,	22.19 341 P	P	18 12 59.3 +1.7	18 14 32.4 +2.1
R41A	baz=157,SNR=8.6 Truxton	22.23 347 P	P	18 12 59.6 +1.6	18 14 31.4 +1.0
P45A	Graceland, Par	22.27 355 P	P	18 12 59.7 +1.3	18 14 32.8 +2.0
P44A	Sand Creek, Wi	22.30 353 P	P	18 13 00.3 +1.6	18 14 34.4 +2.4
MCWV	Mont Chateau	22.74 11 P	P	18 13 04.8 +1.3	18 14 34.2 +2.2
MCWV	Mont Chateau	22.74 11 eP	P	18 13 06.0 +2.6	18 14 35.4 +2.4
Q38A	Cooks Store, C	22.82 343 P	P	18 13 05.1 +0.8	18 14 37.0 +2.7
O47A	Sheridan	22.87 358 P	P	18 13 05.9 +1.0	18 14 36.5 +1.4
P41A	Barry, Barry	22.89 348 P	P	18 13 05.8 +0.8	18 14 36.0 +0.9
ACSO	Alum Creek Sta	22.92 4 eSn	Sn	18 17 34.4 +3.6	18 14 35.6 +0.4
AMTX	Amarillo	22.92 323 P	P	18 13 06.2 +0.7	18 14 36.0 +0.9
AMTX	Amarillo	22.92 323 eP	P	18 13 06.8 +1.2	18 14 37.6 +2.1
AMTX	Amarillo	22.92 323 eSn	Sn	18 17 34.8 +3.8	18 14 37.9 +2.6
MSTX	Muleshoe	22.95 320 P	P	18 13 05.8 0.0	18 14 39.1 +1.7
MSTX	Muleshoe	22.95 320 eP	P	18 13 07.1 +1.4	18 14 39.6 +2.3
O44A	Mansfield	22.98 353 P	P	18 13 07.6 +1.7	18 14 39.7 +1.4
O45A	Potomac	22.98 355 P	P	18 13 07.8 +1.0	18 14 41.1 +2.9
SFIN	Lafayette	23.06 356 P	P	18 13 08.4 +1.6	18 14 44.3 +2.9
SFIN	Lafayette	23.06 356 eP	P	18 13 10.7 +2.7	18 14 45.2 +2.4
SDMD	Soldier's Deli	23.17 16 eP	P	18 13 09.6 +0.2	18 14 46.8 +2.5
MINX	Cornudas Mount	23.31 312 P	P	18 13 11.3 +0.8	18 14 47.6 +2.1
P38A	Dawn	23.42 343 P	P	18 13 11.9 +1.1	18 14 46.7 +1.9
HDIL	Hopedale	23.45 352 P	P	18 13 12.5 +0.5	18 14 47.2 +2.1
O56A	Blue Knob Stat	23.58 13 P	P	18 13 15.0 +3.0	18 14 47.7 +1.7
O56A	Blue Knob Stat	23.58 13 eP	P	18 13 15.0 +3.0	18 14 46.7 +1.9
P37A	Lathrop	23.62 342 P	P	18 13 13.1 +0.7	18 14 47.2 +2.1
O39A	Kirkville	23.76 346 P	P	18 13 14.8 +1.1	18 14 44.9 -0.1
N42A	Yates City	23.83 351 P	P	18 13 15.8 +1.4	18 14 52.4 +3.1
O38A	Galt	23.87 344 P	P	18 13 15.6 +0.8	18 14 47.2 +1.8
KSU1	Kansas State U	23.93 338 P	P	18 13 16.1 +0.7	18 14 47.7 +1.7
PAGS	Pennsylvania G	23.97 16 eP	P	18 13 17.3 +1.5	18 14 48.6 +2.2
N54A	Moraine State	23.99 10 P	P	18 13 17.0 +1.1	18 14 48.2 +2.1
SSPA	Standing Stone	24.07 14 P	P	18 13 17.7 +0.9	18 14 49.2 +1.9
SSPA	Standing Stone	24.07 14 eP	P	18 13 17.9 +1.1	18 14 50.5 +2.1
O37A	Wolven Farm, M	24.09 343 P	P	18 13 17.4 +0.5	18 14 51.2 +1.7
SLBS	Sierra La Lagu	24.10 289 eP	P	18 13 20.0 +2.7	18 14 52.0 +2.5
M44A	Midewin, Midew	24.14 355 P	P	18 13 17.8 +0.5	18 14 52.9 +3.0
M43A	Walthumb Townsh	24.28 353 P	P	18 13 19.2 +0.6	18 14 54.5 +3.4
N39A	Derby Farms, D	24.35 346 P	P	18 13 20.2 +0.9	18 14 54.3 +2.1
LP1G	La Paz	24.50 290 LR	LR	18 23 54.8	18 14 54.2 +1.7
M54A	Oil Creek Stat	24.57 10 P	P	18 13 22.3 +0.9	18 14 55.6 +2.7
M40A	Post Highland	24.65 348 P	P	18 13 24.1 +2.1	18 14 52.7 +3.0
N37A	Lee Faris, Mou	24.66 343 P	P	18 13 23.7 +1.5	18 14 56.3 +1.4
M39A	Webster	24.85 347 P	P	18 13 25.3 +1.5	18 14 55.3 +1.4
N59A	State Game Lan	24.87 17 P	P	18 13 24.9 +0.9	18 14 56.9 +2.5
N59A	State Game Lan	24.87 17 eP	P	18 13 25.9 +1.8	18 14 57.7 +2.1
CBKS	Cedar Huff	24.96 332 eP	P	18 13 26.0 +1.1	18 14 58.4 +2.0
ATAH	Atahualpa	25.17 164 P	P	18 13 28.3 +0.9	18 14 58.3 +1.7
ATAH	Atahualpa	25.17 164 eP	P	18 12 58.6	18 15 00.5 +1.9
ATAH	Keystone Colle	25.47 16 LR	LR	18 13 31.1 +1.7	18 15 02.8 +2.5
121A	Cookes Peak, D	25.48 311 P	P	18 13 31.5 +1.7	18 15 02.6 +1.4
121A	Cookes Peak, D	25.48 311 eP	P	18 13 32.4 +2.6	18 17 29.7 +0.9
BNM	Barren Site	25.53 315 eP	P	18 13 35.6 +5.1	18 34 08.7
K40A	Colesburg	25.83 350 P	P	18 13 34.4 +1.7	18 15 03.2 +1.9
JFWS	Jewell Farm	25.90 351 P	P	18 13 35.1 +1.8	18 15 03.1 +1.9
ANMO	Albuquerque	25.91 317 P	P	18 13 35.2 +1.4	18 15 04.5 +2.1
ANMO	Albuquerque	25.91 317 eP	P	18 13 35.0 +1.2	18 15 05.2 +2.7
319A	Douglas	26.03 307 eP	P	18 13 37.7 +2.9	18 15 05.2 +2.2
T25A	Trinidad	26.08 323 P	P	18 13 37.2 +1.9	18 15 03.9 +0.9
T25A	Trinidad	26.08 323 eP	P	18 13 37.5 +2.2	18 15 04.7 +1.7
MHRCO	State Highway	26.23 323 eP	P	18 13 39.3 +2.7	18 15 06.8 +2.6
KSCOD	Kaye Shedlock	26.49 328 P	P	18 13 40.2 +1.3	18 15 08.2 +2.0
SRIG	Santa Rosalia	26.96 296 eP	P	18 13 46.1 +3.0	18 15 09.4 +1.2
SDCO	Great Sand Dun	27.13 323 P	P	18 13 45.3 +0.5	18 15 10.8 +2.1
TUC	Tucson	27.59 308 P	P	18 13 50.5 +1.7	18 15 12.2 +2.9
TUC	Tucson	27.59 308 eP	P	18 13 51.5 +2.7	18 15 16.6 +1.9
Q24A	Divide	27.78 325 P	P	18 13 52.0 +1.3	18 31 50.2
SADQ	Sadowa	27.84 9 P	P	18 13 49.8 -1.0	18 15 18.8 +0.4
SADO	Sadowa	27.84 9 LR	LR	18 24 50.5	18 15 19.6 +1.3
S22A	4UR Ranch, Cr	27.91 321 P	P	18 13 53.6 +1.8	18 15 19.9 +1.2
S22A	4UR Ranch, Cr	27.91 321 eP	P	18 13 54.3 +2.5	18 15 23.5 -0.1
W18A	Petrified Fore	28.22 314 eP	P	18 13 56.2 +1.7	18 15 29.9 +1.2
W18A	Petrified Fore	28.22 314 eP	P	18 13 57.1 +2.6	18 15 34.2 +3.6
F44A	Big Bay de Noc	28.61 358 P	P	18 13 59.8 +2.2	18 15 34.8 +0.5
ISCO	Idaho Springs	28.62 326 P	P	18 13 59.4 +1.2	18 15 37.4 +2.2
ISCO	Idaho Springs	28.62 326 eP	P	18 14 00.5 +2.3	18 15 38.0 -0.9
LONY	Lake Ozonia	28.64 16 P	P	18 13 58.7 +0.8	18 15 42.3 +7.2
LONY	Lake Ozonia	28.64 16 eP	P	18 13 58.7 +0.8	18 15 37.5 +0.6
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 15 38.0 -0.9
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 15 40.3 +2.0
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 03.5 +2.2
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 06.6 +1.3
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 08.2 +1.8
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 09.1 +2.7
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 09.2 +2.5
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 15.3 +2.2
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 15.3 +2.2
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 18.4 +2.2
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 19.5 +1.9
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 20.6 +1.8
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 21.3 +2.3
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 22.8 +2.1
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 27.2 +2.2
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 27.5 +2.3
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 27.3 +2.0
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 28.9 +2.4
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 29.4 +0.6
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 32.4 +2.1
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 31.4 +1.0
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 32.8 +2.0
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 34.4 +2.4
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 34.2 +2.2
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 35.4 +2.4
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 37.0 +2.7
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 36.5 +1.4
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 36.0 +0.9
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 35.6 +0.4
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 37.6 +2.1
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 37.9 +2.6
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 39.1 +1.7
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 39.6 +2.3
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 39.7 +1.4
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 41.1 +2.9
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 44.3 +2.9
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 45.2 +2.4
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 46.8 +2.5
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	18 14 47.6 +2.1
LONY	Lake Ozonia	28.64 16 eP	P	18 13 59.0 +1.1	











3d 20h

Table with columns: DEMI, Demirci, 0.35 261 P, Pg, 20 00 24.5 +0.3, etc. Lists station data for Demirci region.

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MAN 03 20:28:09.7, 8.63N, 122.20E, h35km, mb4.3, ML3.1, MS2.8, 1D, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists station data for MAN region.

CSEM 03 20:28:30.2, 0.1, 39.10N, 29.12E, h2km, ML3.5, Error

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists station data for CSEM region.

CSEM 03 20:36:39.6, 0.1, 39.09N, 29.08E, h5km, ML2.3, Error
ellipse: s-maj=4.0km s-min=2.7km az=142.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists station data for CSEM region.

ISC 03 20:36:39.2, 0.1, 39.04N, 02.29, 13E, 0.02, h7km, 10km, n42, c125/51, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists station data for ISC region.

IDC 03 20:09:36.8, 6.0, 4.96S, 151.70E, h56km, 51km, mb3.4/3, mb1.37, mb1.3m, 2.53, mbtmp3.74, ML1.8, 1.0, Error

ellipse: s-maj=120.4km s-min=32.5km az=128.0, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists station data for IDC region.

ISCJB 03 20:44:01.6, 0.5, 39.13N, 02.29, 07E, 0.02, h1km, 5km, Error ellipse: s-maj=4.2km s-min=3.1km az=171.2

DDA 03 20:44:01.7, 39.11N, 29.09E, h7km, ML3.7

ISC 03 20:44:01.8, 39.12N, 29.08E, h4km, ML3.8/17

CSEM 03 20:44:02.1, 0.1, 39.11N, 29.10E, h2km, ML3.8, Error

ellipse: s-maj=2.0km s-min=1.8km az=158.0

ISC 03 20:44:02.1, 0.1, 39.12N, 02.29, 11E, 0.02, h1km, 10km, n109, c0972/125, 7C-13D, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists station data for ISC region.

SJA 03 20:21:56.0, 0.8, 28.01S, 71.59W, h33km, ML4.1, MW4.2

ISC 03 20:22:00.4, 0.5, 28.13S, 71.18W, h41km, 3km, ML4.4

ISC 03 20:21:56.7, 2.0, 28.07S, 0.03, 71.36W, 0.08, h0km, 13km, n27, c152/36, 2C-3D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists station data for SJA region.

GCAM G?zelcami? 2.02 228.11 P Pg 20 29 08.3 +1.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists station data for GCAM region.

DDA 03 20:36:38.2, 38.88N, 29.16E, h7km, ML2.5





Table with columns for station call letters, frequency, and signal strength. Includes stations like LZH, COL, COL1, TOLK, MCK, MCK1, SEW, PMR, RND, RND1, RND2, RND3, RND4, RND5, RND6, RND7, RND8, RND9, RND10, RND11, RND12, RND13, RND14, RND15, RND16, RND17, RND18, RND19, RND20, RND21, RND22, RND23, RND24, RND25, RND26, RND27, RND28, RND29, RND30, RND31, RND32, RND33, RND34, RND35, RND36, RND37, RND38, RND39, RND40, RND41, RND42, RND43, RND44, RND45, RND46, RND47, RND48, RND49, RND50, RND51, RND52, RND53, RND54, RND55, RND56, RND57, RND58, RND59, RND60, RND61, RND62, RND63, RND64, RND65, RND66, RND67, RND68, RND69, RND70, RND71, RND72, RND73, RND74, RND75, RND76, RND77, RND78, RND79, RND80, RND81, RND82, RND83, RND84, RND85, RND86, RND87, RND88, RND89, RND90, RND91, RND92, RND93, RND94, RND95, RND96, RND97, RND98, RND99, RND100.

Table with columns for station call letters, frequency, and signal strength. Includes stations like HYT, INK, INK1, INK2, INK3, INK4, INK5, INK6, INK7, INK8, INK9, INK10, INK11, INK12, INK13, INK14, INK15, INK16, INK17, INK18, INK19, INK20, INK21, INK22, INK23, INK24, INK25, INK26, INK27, INK28, INK29, INK30, INK31, INK32, INK33, INK34, INK35, INK36, INK37, INK38, INK39, INK40, INK41, INK42, INK43, INK44, INK45, INK46, INK47, INK48, INK49, INK50, INK51, INK52, INK53, INK54, INK55, INK56, INK57, INK58, INK59, INK60, INK61, INK62, INK63, INK64, INK65, INK66, INK67, INK68, INK69, INK70, INK71, INK72, INK73, INK74, INK75, INK76, INK77, INK78, INK79, INK80, INK81, INK82, INK83, INK84, INK85, INK86, INK87, INK88, INK89, INK90, INK91, INK92, INK93, INK94, INK95, INK96, INK97, INK98, INK99, INK100.

Table with columns for station call letters, frequency, and signal strength. Includes stations like AAK, AAK1, AAK2, AAK3, AAK4, AAK5, AAK6, AAK7, AAK8, AAK9, AAK10, AAK11, AAK12, AAK13, AAK14, AAK15, AAK16, AAK17, AAK18, AAK19, AAK20, AAK21, AAK22, AAK23, AAK24, AAK25, AAK26, AAK27, AAK28, AAK29, AAK30, AAK31, AAK32, AAK33, AAK34, AAK35, AAK36, AAK37, AAK38, AAK39, AAK40, AAK41, AAK42, AAK43, AAK44, AAK45, AAK46, AAK47, AAK48, AAK49, AAK50, AAK51, AAK52, AAK53, AAK54, AAK55, AAK56, AAK57, AAK58, AAK59, AAK60, AAK61, AAK62, AAK63, AAK64, AAK65, AAK66, AAK67, AAK68, AAK69, AAK70, AAK71, AAK72, AAK73, AAK74, AAK75, AAK76, AAK77, AAK78, AAK79, AAK80, AAK81, AAK82, AAK83, AAK84, AAK85, AAK86, AAK87, AAK88, AAK89, AAK90, AAK91, AAK92, AAK93, AAK94, AAK95, AAK96, AAK97, AAK98, AAK99, AAK100.

3d 21h

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Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like KLMR, KULM, N02D, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like GRAC, SFJD, VSU, R11A, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like IRM, GOF, B32A, MONP, etc.

C38A	Sawbill Land, baz=320,SNR=5.3	71.52	39	P	P	21 31 39.2	-0.3
E36A	McGregor baz=320,SNR=10	71.56	41	P	P	21 31 39.6	-0.1
214A	Organ Pipe Nat baz=314	71.57	63	P	P	21 31 40.4	+0.4
NAX	Nakhchivan	71.58	30	P	P	21 31 38.0	-2.0
AS01	Alice Springs	71.67	196	eP	P	21 31 41.9	+1.4
AS31	Alice Springs comp=2.1,6nm,0.6s	71.68	196	eP	P	21 31 42.4	+1.9
ASAR	Alice Springs comp=2.4,4nm,0.7s,baz=11,slow=5.4,SNR=32	71.68	196	P	P	21 31 42.1	+1.6
ASAR	comp=2.2,6nm,0.9s,baz=7.5,slow=5.5,SNR=2.7			pP	pP	21 32 18.5	-0.6
ASAR	comp=Z,1.1nm,0.6s,baz=11,slow=5.5,SNR=2.7			sP	sP	21 32 33.5	-2.6
I33A	Coleman baz=318	71.77	45	P	P	21 31 40.8	-0.2
SDCO	Great Sand Dun baz=316,SNR=9.7	71.80	54	P	P	21 31 42.3	+0.7
BSD	Bornholm Skovb comp=Z,3.9nm,0.5s	71.92	335	iP	P	21 31 40.9	-0.7
C39A	Grand Marais baz=321	71.94	38	P	P	21 31 41.4	-0.5
F36A	Milaca baz=320,SNR=5.4	71.94	41	P	P	21 31 41.4	-0.5
G35A	Watkins baz=319	71.98	42	P	P	21 31 42.2	0.0
ECSD	EROS Data Cent baz=318,SNR=17	72.09	45	P	P	21 31 42.8	0.0
ECSD	EROS Data Cent comp=Z,4nm,1.2s	72.09	45	eP	P	21 31 42.9	0.0
H35A	Sunnyside Ranc baz=319,SNR=5.2	72.21	43	P	P	21 31 44.1	+0.5
I34A	Hadley baz=319	72.22	44	P	P	21 31 43.7	0.0
J33A	Davis baz=318	72.22	45	P	P	21 31 43.5	-0.2
E38A	The Farm, Brul baz=321,SNR=12	72.25	40	P	P	21 31 43.6	-0.2
G36A	St. Michael baz=320	72.31	42	P	P	21 31 43.8	-0.3
TUC	Tucson baz=315	72.55	61	P	P	21 31 46.6	+0.7
TUC	Tucson comp=Z,5.2nm,1.1s	72.55	61	eP	P	21 31 47.1	+1.2
TUC	comp=Z,6.0nm,1.1s			pmax	pmax	21 31 46.1	+0.2
F38A	Pierce Schro baz=320,SNR=14	72.61	40	P	P	21 31 46.3	-0.5
J44A	George baz=319	72.74	45	P	P	21 31 46.3	-0.4
SPMM	Marine on St. baz=320	72.75	41	P	P	21 31 47.1	+0.3
SPMM	Marine on St. comp=Z,1.6nm,1.0s	72.75	41	eP	P	21 31 47.1	+0.3
I35A	Creekview Farm baz=319	72.78	44	P	P	21 31 47.0	0.0
T25A	Trinidad baz=316,SNR=7.7	72.84	54	P	P	21 31 48.3	+0.6
T25A	Trinidad comp=Z,10nm,0.8s	72.84	54	eP	P	21 31 47.1	-0.1
BEL	Belsk baz=330	72.84	330	eP	P	21 31 47.2	-0.2
BEL	Belsk baz=330	72.87	39	P	P	21 31 47.2	-0.2
E39A	Mellen baz=321,SNR=11	73.02	324	iP	P	21 31 47.5	-0.8
SORM	Soroca baz=319	73.04	44	P	P	21 31 48.2	-0.4
J35A	Milford baz=319	73.06	47	P	P	21 31 48.3	-0.3
BGNE	Belgrade baz=318	73.07	40	P	P	21 31 48.7	0.0
F39A	Loretta baz=321,SNR=9.9	73.10	39	P	P	21 31 49.3	+0.5
E40A	Wakfield baz=322,SNR=17	73.11	43	P	P	21 31 48.9	0.0
I36A	Fitzsimmons Fa baz=320	73.11	43	P	P	21 31 49.4	+0.1
D41A	Chassel baz=322	73.19	42	P	P	21 31 49.8	+0.4
H37A	Dierke Farm, C baz=322	73.19	42	P	P	21 31 49.1	-0.4
G38A	Ridgeland baz=321	73.24	58	eP	P	21 31 51.8	+1.8
LAZ	Ladron baz=316	73.25	57	P	P	21 31 51.0	+0.9
ANMO	Albuquerque baz=321	73.25	57	eP	P	21 31 51.2	+1.1
ANMO	Albuquerque comp=Z,4.2nm,0.8s	73.25	57	iP	P	21 31 51.1	+1.0
ANMO	comp=Z,6.0nm,0.9s			pmax	pmax	21 31 51.0	+0.4
I37A	Lemond, Waseca baz=320,SNR=11	73.40	43	P	P	21 31 50.4	-0.3
H38A	Maiden Rock baz=320	73.41	42	P	P	21 31 50.4	-0.3
F40A	Park Falls baz=322	73.42	39	P	P	21 31 50.6	-0.2
G39A	Holcombe baz=321	73.44	41	P	P	21 31 50.9	-0.2
E41A	Kenton baz=322,SNR=7.2	73.49	38	P	P	21 31 54.2	+1.3
BNM	Barren Site	73.52	57	eP	P	21 31 53.1	+0.2
MCD	Coleburn Disti	73.84	346	eP	P	21 31 53.2	-0.1
H39A	Augusta baz=321	73.86	41	P	P	21 31 53.3	-0.1
J37A	Redenius Farm, baz=320	73.87	43	P	P	21 31 53.4	0.0
I38A	Scanlan Farm, baz=321	73.88	42	P	P	21 31 53.1	-0.3
G40A	Rib Lake baz=322,SNR=5.8	73.89	40	P	P	21 31 53.8	0.0
K36A	Gilmore City baz=320	73.95	44	P	P	21 31 53.9	+0.1
E42A	Champion baz=323	73.96	38	P	P	21 31 53.4	-0.4
SCHO	Schefferville baz=323	73.97	22	P	P	21 31 54.0	+0.1
KWP	Kalwaria Pacia baz=323	74.00	328	eP	P	21 31 54.0	+0.1
KWP	Kalwaria Pacia	74.00	39	P	P	21 31 54.0	-0.1
F41A	Three Lakes baz=322,SNR=5.2	74.00	39	P	P	21 31 54.2	-0.4
IAS	lasi baz=320,SNR=5.0	74.10	324	iP	P	21 31 54.5	-0.3
MDO	Dochfour	74.15	346	eP	P	21 31 56.7	+1.1
121A	Cookes Peak, D baz=316	74.19	59	P	P	21 31 55.2	-0.3
K37A	Belmond baz=320,SNR=5.0	74.24	44	P	P	21 31 55.3	0.0
KAC	Achnashellach	74.26	347	eP	P	21 31 55.6	0.0
L36A	Harm Buss Farm baz=320	74.26	45	P	P	21 31 55.6	0.0
H40A	Chili baz=322	74.31	40	P	P	21 31 56.0	+0.1
DRUM	Matins of Drumt baz=321	74.35	345	eP	P	21 31 55.9	-0.3
J38A	Wedel Dairy, R	74.37	43	P	P	21 31 55.8	-0.5
LEOM	Leova baz=321,SNR=6.2	74.39	323	iP	P	21 31 55.9	-0.5
I39A	Houston baz=321,SNR=6.2	74.39	37	P	P	21 31 56.1	-0.2
E43A	Lone Tree Farm baz=323	74.39	37	P	P	21 31 56.5	+0.4
KPL	Plockton	74.47	347	eP	P	21 31 57.8	+0.6
BANOM	Banah SNR=10.0	74.47	291	iP	P	21 31 57.8	+0.6
BANOM	Banah SNR=28	74.47	291	iP	P	21 31 57.8	+0.6
SHMC	Shamm SNR=8.2	74.48	291	iP	P	21 31 56.8	-0.3
OJC	Ojcow	74.54	330	eP	P	21 31 56.8	-0.3
OJC	Ojcow	74.54	330	eP	P	21 31 56.8	-0.3
OJC	Ojcow	74.54	330	eP	P	21 31 56.8	-0.3
OJC	comp=Z,7.1nm,0.6s	74.54	330	eP	P	21 31 56.8	-0.3
H41A	Junction City	74.64	40	P	P	21 31 57.5	-0.3
E44A	Grand Marais A baz=324	74.64	37	P	P	21 31 57.9	-0.2
L37A	Phoenix Point, baz=320	74.68	44	P	P	21 31 57.8	-0.3
BUR08	Bucovina Ar. S	74.68	325	eP	P	21 31 57.7	-0.3
G42A	Mountain	74.68	39	P	P	21 31 57.7	-0.3
BUR04	Bucovina Ar. S	74.69	325	eP	P	21 31 57.7	-0.3
BUR04	Bucovina Array	74.70	325	iP	P	21 31 57.7	-0.3
BUR04	Bucovina Array	74.70	325	iP	P	21 31 57.7	-0.3
STHS	Stebnicka Huta	74.70	328	eP	P	21 31 58.4	+0.3

STHS	Stebnicka Huta	74.70	328	eP	P	21 31 58.4	+0.3
J39A	Decorah	74.71	42	P	P	21 31 57.5	-0.7
K38A	Parsonsburg baz=321	74.75	43	P	P	21 31 58.0	-0.4
F43A	Flat Rock, Esc baz=323	74.75	38	P	P	21 31 58.2	-0.2
I40A	Norwalk baz=323	74.78	41	P	P	21 31 58.2	-0.3
WSAR	Wadi Sarin comp=Z,1.1nm,0.5s,baz=76,slow=1.6,SNR=46	74.83	288	P	P	21 31 59.9	+0.6
WSAR	Wadi Sarin	74.83	288	P	P	21 32 00.8	+1.6
MSFE	Josef-Masafai SNR=7.5	74.95	291	iP	P	21 32 00.4	+0.5
F44A	Big Bay de Noc baz=324	75.00	37	P	P	21 31 59.4	-0.1
BIDO	Bidbio baz=323	74.97	288	P	P	21 32 02.1	+2.1
I41A	Arkdale baz=322	74.98	41	P	P	21 31 59.5	-0.3
G43A	Wallace baz=323	74.99	39	P	P	21 31 59.7	-0.1
TESR	Tescani	75.02	324	iP	P	21 31 58.6	-1.3
NIE	Niedzica	75.04	329	eP	P	21 32 00.2	+0.2
NIE	Niedzica	75.04	329	eP	P	21 32 00.2	+0.2
L38A	Oak Wood Farm, baz=321	75.05	44	P	P	21 32 00.1	0.0
WBK	Wadi Bani Khal	75.05	287	P	P	21 32 02.6	+2.1
CRVS	Cervenica-Dubn	75.06	328	eP	P	21 32 00.2	+0.1
CRVS	Cervenica-Dubn	75.06	328	eP	P	21 32 00.3	-0.1
M37A	Trindle Farm, baz=320	75.08	45	P	P	21 32 00.5	0.0
SCIA	State Center, baz=321	75.10	44	P	P	21 31 59.8	-0.7
J40A	Solars Grove baz=322	75.11	41	P	P	21 31 59.7	-0.9
K39A	Oelwein baz=321	75.11	43	P	P	21 32 00.5	-0.2
E45A	Wooded Hills, baz=324	75.16	36	P	P	21 32 00.3	-0.5
TLCR	Tescani	75.18	322	iP	P	21 32 00.6	-0.2
KSP	Ksiaz	75.18	332	eP	P	21 32 00.6	-0.2
KSP	Ksiaz	75.18	332	eP	P	21 32 00.6	-0.2
UOSS	Minazif comp=Z,5.8nm,0.8s	75.22	291	eP	P	21 32 01.0	0.0
UOSS	Minazif	75.22	291	iP	P	21 32 01.7	+0.3
UOSS	Minazif	75.22	291	iP	P	21 32 00.4	-0.7
H42A	Shion baz=323	75.22	39	P	P	21 32 01.7	+0.2
TRPA	Tarpa	75.30	327	iP	P	21 32 03.0	+0.8
HATD	Hatta, Dubai SNR=20	75.34	291	P	P	21 32 03.0	+0.8
HATD	Hatta, Dubai	75.34	291	iP	P	21 32 03.0	+0.8
PETR	Petresti	75.41	323	iP	P	21 32 02.8	+0.7
J41A	Loganville SNR=51	75.46	41	P	P	21 32 02.1	-0.4
K40A	Colesburg baz=322	75.47	42	P	P	21 32 01.9	-0.6
ARCR	ARCALIA	75.47	325	iP	P	21 32 03.2	+0.7
CFR	Carcaliu	75.47	322	iP	P	21 32 02.2	-0.3
M38A	Pleasantville baz=321	75.49	44	P	P	21 32 02.4	-0.2
ASHO	Ashiyah	75.49	291	P	P	21 32 03.7	+0.7
ASHO	Ashiyah	75.49	291	iP	P	21 32 03.7	+0.7
N37A	Lee Faris, Mou baz=320	75.50	45	P	P	21 32 02.7	-0.1
VRI	Vrincioiaia	75.51	323	iP	P	21 32 03.6	+0.9
VRI	Vrincioiaia	75.51	323	iP	P	21 32 03.6	+0.9
L39A	Vinton baz=321	75.51	43	P	P	21 32 02.6	-0.2
NAZ	Nazwa, Dubai SNR=7.4	75.53	291	P	P	21 32 03.7	+0.5
NAZ	Nazwa, Dubai	75.53	291	iP	P	21 32 04.0	+0.8
I42A	Drager Farm, baz=322	75.54	40	P	P	21 32 02.6	-0.3
LANS	Liptovska Anna	75.56	329	eP	P	21 32 03.6	+0.6
LANS	Liptovska Anna	75.56	329	eP	P	21 32 03.6	+0.6
UPC	Udice	75.56	332	eP	P	21 32 03.1	+0.1
UPC	Udice	75.56	332	eP	P	21 32 08.7	
UPC	Udice	75.56	332	eP	P	21 32 03.1	+0.1
UPC	Udice	75.56	332	eP	P	21 32 02.6	-0.4
F45A	CMU Biological baz=324	75.56	37	P	P	21 32 04.0	+0.6
I37A	SOHO SNR=33	75.57	290	iP	P	21 32 02.9	-0.3
H43A	Wind swept, Lux baz=322	75.58	39	P	P	21 32 03.5	+0.3
DPC	Dobruska-Polom	75.60	332	eP	P	21 32 09.1	
DPC	Dobruska-Polom	75.60	332	eP	P	21 32 03.5	+0.3
DPC	Dobruska-Polom	75.60	332	eP	P	21 32 09.1	
KRLC	Kraliky	75.68	331	eP	P	21 32 03.8	-0.4
KRLC	Kraliky	75.68	331	eP	P	21 32 03.3	-0.4
MORC	Moravsky Berou	75.69	331	iP	P	21 32 03.2	-0.5
MORC	Moravsky Berou	75.69	331	eP	P	21 32 03.6	-0.1
MORC	Moravsky Berou	75.69	331	eP	P	21 32 03.6	-0.1
MORC	Moravsky Berou						





Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like BORA Eskisehir, MDNY Mudanya-Bursa, etc.

JMA 03 21:38:33.70.0.1, 36.91N, 141.47E, h35km, 1km, M3.0
IDC 03 21:38:35.81.4.37, 46N, 140.88E, h0km, mb3.4/3,
mb1 3.6/4, mb1mx3/2.69, mbtmp3.3/4, ML2.5/1, MS2.9/1,
Ms1 2.9/1, ms1mx2.3/35, Error ellipse: s-maj=34.2km
s-min=18.4km az=148.0

ISC 03 21:38:30.4.2.5, 36.94N, 0.06, 141.7E, 0.1, h12km, 11km,
n13, c093/18, mb3.5/3, Near east coast of eastern

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ONAJ Iwakimizuishiy, JFK Kawauchi, etc.

ISCJB 03 21:39:27.9.0.8, 5.4S, 0.1, 152.1E, 0.2, h45km, mb3.9/11,
MS3.1/2, Error ellipse: s-maj=28.3km s-min=9.3km

IDC 03 21:39:32.8.4.9, 5.48S, 152.02E, h76km, 42km, mb3.7/11,
mb1 4.0/12, mb1mx3/7.50, mbtmp4.0/12, ML2.4/1, MS3.2/2,
Ms1 3.2/2, ms1mx2.6/40, Error ellipse: s-maj=32.5km
s-min=24.1km az=110.0

ISC 03 21:39:29.4.0.9, 5.4S, 0.2, 152.2E, 0.2, h45km, n16,
c017/15, mb3.9/11, New Britain region

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

DJA 03 21:42:36.5.0.9, 0.5N, 5.93E, h12km, 4km, M4.9/9,
mb4.8/9, mb5.5/7, MLV4.9/6, Mw(mb)5.0/7, Off west
coast of northern Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GSI Gunungsitoli, GSI 0.2m56nm, 1.1s, etc.

DDA 03 21:42:39.1, 39.09N, 29.09E, h7km, ML2.7
CSEM 03 21:42:39.70.1, 39.11N, 29.09E, h0km, 3km, ML2.2, Error
ellipse: s-maj=1.9km s-min=2.4km az=5.0

ISC 03 21:42:39.3.9, 10N, 29.09E, h2km, ML2.2/11
ISC 03 21:42:39.6.9, 39.09N, 0.02, 29.10E, 0.02, h4km, 8km,
n45, c043/58, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SIMA Simav-Kutahya, GDZ Gediz, etc.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like DEMI Demirci, TVSB Tavsanli, etc.

GII 03 21:45:04.7.0.3, 29.92N, 35.03E, h10km, Western
Arabian Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HRFI Mount Harif, MBRI Mt Berech, etc.

IDC 03 21:45:15.6.0.6, 39.05N, 29.15E, h0km, mb4.0/17,
mb1 4.0/29, mb1mx3/9.66, mbtmp3.9/29, ML3.4/10,
MS3.1/12, Ms1 3.1/12, ms1mx2.9/69, Error ellipse:
s-maj=12.1km s-min=10.2km az=26.0

MOS 03 21:45:16.3.1.6, 39.06N, 29.18E, h11km, mb4.2/26, Error
ellipse: s-maj=5.9km s-min=3.6km az=90.6

ISKB 03 21:45:17.4, 39.15N, 29.08E, h12km, ML4.7/33
ISJC 03 21:45:17.1, 40.3, 39.12N, 0.01, 29.11E, 0.01, h12km, 2km,
mb4.0/31, MS3.3/6, Error ellipse: s-maj=1.9km
s-min=1.8km az=21.1

DDA 03 21:45:17.1, 39.14N, 29.11E, h14km, M4.7
NEIC 03 21:45:17.4, 0.0, 39.15N, 29.08E, h12km, mb4.1/15,
ML4.7(DDA), ML4.7(ISC), After ISK

CSEM 03 21:45:18.0.0.1, 39.12N, 29.10E, h10km, mb4.1/18, Error
ellipse: s-maj=1.9km s-min=1.8km az=5.0

GII 03 21:45:19.4.0.2, 39.05N, 29.17E, h10km
ISC 03 21:45:18.0.0.6, 39.13N, 0.02, 29.10E, 0.01, h10km, 4km,
n596, c1925/636, mb4.1/30, MS3.4/6, 50C-59D, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SIMA Simav-Kutahya, GDZ Gediz, etc.

DDA 03 21:45:18.0.0.6, 39.13N, 0.02, 29.10E, 0.01, h10km, 4km,
n596, c1925/636, mb4.1/30, MS3.4/6, 50C-59D, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SIMA Simav-Kutahya, GDZ Gediz, etc.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like BORA Eskisehir, BORA Bala, etc.

ISC 03 21:45:16.3.1.6, 39.06N, 29.18E, h11km, mb4.2/26, Error
ellipse: s-maj=5.9km s-min=3.6km az=90.6

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

IDC 03 21:45:15.6.0.6, 39.05N, 29.15E, h0km, mb4.0/17,
mb1 4.0/29, mb1mx3/9.66, mbtmp3.9/29, ML3.4/10,
MS3.1/12, Ms1 3.1/12, ms1mx2.9/69, Error ellipse:
s-maj=12.1km s-min=10.2km az=26.0

MOS 03 21:45:16.3.1.6, 39.06N, 29.18E, h11km, mb4.2/26, Error
ellipse: s-maj=5.9km s-min=3.6km az=90.6

ISKB 03 21:45:17.4, 39.15N, 29.08E, h12km, ML4.7/33
ISJC 03 21:45:17.1, 40.3, 39.12N, 0.01, 29.11E, 0.01, h12km, 2km,
mb4.0/31, MS3.3/6, Error ellipse: s-maj=1.9km
s-min=1.8km az=21.1

DDA 03 21:45:17.1, 39.14N, 29.11E, h14km, M4.7
NEIC 03 21:45:17.4, 0.0, 39.15N, 29.08E, h12km, mb4.1/15,
ML4.7(DDA), ML4.7(ISC), After ISK

CSEM 03 21:45:18.0.0.1, 39.12N, 29.10E, h10km, mb4.1/18, Error
ellipse: s-maj=1.9km s-min=1.8km az=5.0

GII 03 21:45:19.4.0.2, 39.05N, 29.17E, h10km
ISC 03 21:45:18.0.0.6, 39.13N, 0.02, 29.10E, 0.01, h10km, 4km,
n596, c1925/636, mb4.1/30, MS3.4/6, 50C-59D, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SIMA Simav-Kutahya, GDZ Gediz, etc.

DDA 03 21:45:18.0.0.6, 39.13N, 0.02, 29.10E, 0.01, h10km, 4km,
n596, c1925/636, mb4.1/30, MS3.4/6, 50C-59D, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SIMA Simav-Kutahya, GDZ Gediz, etc.

3d 21h

2021 MAY

Main table containing astronomical data with columns for object name, magnitude, position, and other parameters. Includes sub-sections like '3d 21h' and '2021 MAY'.





Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like THL Klokotos Trika, ARG Arkhangelos, PAIG Paliouri, etc.

ISCJB 03 23:43:29.2, 0.7, 73.11N, 0.05E, 0.2, h11km, mb3.1/2, MOS 0.77, Error ellipse: s-maj=10.4km s-min=7.1km

NAO 03 23:43:30.0, 0.3, 73.06N, 0.31E, ML3.1, IDC 03 23:43:31.7, 2.2, 73.00N, 0.50E, h0km, mb3.2/2, mb1.3/4.7, mb1mx3.1/7.7, mbtmp3.3/7, ML3.0/5, MS2.7/11, Ms1.2/7.11, ms1mx2.5/4.0, Error ellipse: s-maj=38.8km s-min=19.3km az=95.0

BER 03 23:43:33.0, 2.2, 73.11N, 0.67E, h0km, 63km, ML2.1, ML3.1 (NAO)

ISC 03 23:43:32.9, 0.8, 73.11N, 0.07E, 0.90E, 0.08, h11km, n32, e1527/28, MS2.7/7, Greenland Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BJO1 Bjornoya, HSPB Hornsund, AR01 ARCESS Array S, etc.

mb1.4/0.21, mb1mx3.8/7.7, mbtmp3.9/21, ML3.3/4, MS2.9/13, Ms1.2/9.13, ms1mx2.7/6.7, Error ellipse: s-maj=19.1km s-min=15.9km az=144.0

ISCJB 03 23:56:14.8, 0.5, 45.97N, 0.06E, 154.07E, 0.07, h20km, mb4.0/29, MS3.0/11, Error ellipse: s-maj=9.6km s-min=4.5km az=146.0

NEIC 03 23:56:17.2, 2.3, 45.93N, 154.26E, h29km, 16km, mb4.1/2, Error ellipse: s-maj=9.7km s-min=6.3km az=131.0

MOS 03 23:56:18.0, 1.3, 45.94N, 154.15E, h48km, mb4.3/17, Error ellipse: s-maj=10.2km s-min=9.4km az=90.6

SKHL 03 23:56:20.7, 0.6, 46.28N, 153.82E, h53km, 4km, mb5.0/7, ISC 03 23:56:17.0, 0.7, 46.05N, 153.08E, 0.07, h20km, n75, e203/81, mb4.1/29, MS3.1/11, 9C-7D, East of Kuril

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KUR Kuril'sk, SKR Severo-Kuril's, SHO Shikotan, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SONM Songino Array, TLY Talaya, MKAR Makanchi Array, etc.

ISCJB 03 23:57:44.0, 0.7, 8.05S, 0.156E, 0.1, h150km, mb3.8/8, Error ellipse: s-maj=20.7km s-min=17.4km az=19.6

IDC 03 23:57:44.5, 6.4, 7.93S, 156.31E, h133km, 85km, mb3.7/8, mb1.3/8.9, mb1mx3.5/5.0, mbtmp4.1/9, MS3.4/4, Ms1.3/4.4, ms1mx2.9/3.9, Error ellipse: s-maj=93.2km s-min=21.1km az=124.0

ISC 03 23:57:46.0, 0.9, 8.05S, 0.2, 156.4E, 0.1, h150km, n12, e0561/10, mb4.0/8, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like HNR Honiara, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 03 23:56:12.6, 0.7, 45.91N, 154.27E, h0km, mb3.8/17,

NIED 03 23:58:00, 36.20N, 140.90E, h47km, Mw3.6 Best double couple: M2:45000x1014, M1:45221.00000, s44.00000, s1.1200000, NIP2:3.00000, s53.00000, s44.00000, IDC 03 23:58:49.6, 1.2, 36.08N, 141.00E, h0km, mb3.5/5, mb1.3/7.6, mb1mx3.6/6.9, mbtmp3.5/6, ML3.5/1, Error ellipse: s-maj=29.0km s-min=21.7km az=55.0



4d 0h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Hitachi, Chosi, Yasato, Kashiuchi, Ashikaga, Matsushiro Arr, etc.

ISC/JB 04 00:02:16.9:0.4, 39:12N:0.0:29.13E:0.02, h5km, 3km, Error ellipse: s-maj=3.5km s-min=3.2km az=171.2

Main table for station 4d 0h, listing codes, station names, azimuths, phase IDs, times, and residuals for various stations like Simav-Kutahya, Gediz, Demirci, etc.

2224

Table with columns: URLA, Izmir, SART, etc. Includes station names and associated data.

TIR 04 00:09:46.9, 38:52N:21:67E, h7km, Md3.5/4, Error ellipse: s-maj=1.0km s-min=0.5km az=187.0

Main table for station 2224, listing codes, station names, azimuths, phase IDs, times, and residuals for various stations like Paravola, Ano Chora, Efpalio, etc.

Table with columns: KLV, Kalavryta, Ach, Desfina, etc. Includes station names and associated data.

ISC/JB 04 00:09:47.0, 38:62N:21:71E, h17km, 1km, ML2.9/20, Error ellipse: s-maj=1.0km s-min=0.5km az=187.0

Main table for station 2224 (continued), listing codes, station names, azimuths, phase IDs, times, and residuals for various stations like Gaura, Lefkada island, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like VLY Voula, Athens, DION Dionisos Attik, SRN Sarande, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like TVSB Tavsantli, DURS Dursunbey, KULA Kula-Manisa, etc.

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

ISC/JB 04 00:26:51.9-0.4, 39.09N-0.03-29.17E:0.03, h8km,4km, Error ellipse: s-maj=4.5km s-min=3.2km az=151.1

IDC 04 00:55:11.0-1.1, 0.07N-125.78E, h0km, mb3.8/6, mb1 3.9/6, mb1mx3.5/6, mb1mx3.8/6, MS2.7/2, Ms1 2.7/2, ms1mx2.3/4.9, Error ellipse: s-maj=17.76km s-min=18.5km az=64.0

IASPEI 04 01:03:48.9-0.8, 38.39N-0.03-39.29E:0.03, h8km,4km, Error ellipse: s-maj=4.4km s-min=4.0km az=36.9, G75 selection from ISC bulletin G75 identified by Bond 'r' and McLaughlin (2009) selection criteria Bond 'r' and McLaughlin, A new ground truth data set for seismic stations, <i>Seism. Res. Lett.</i>, <b>80</b>, 465-472, 2009

CSEM 04 00:26:51.8-0.1, 39.11N-29.17E, h10km, ML2.1, Error ellipse: s-maj=3.1km s-min=2.2km az=148.0

DJA 04 00:55:18.5-2.4, 0.1N-3.12E, h30km,25km, M3.3/5, MLV3.3/5

DDA 04 01:03:48.5, 38.45N-39.25E, h27km, M12.9, ISK 04 01:03:48.7, 38.35N-39.26E, h6km, ML2.2/4

ISC 04 00:26:52.0, 39.11N-29.16E, h8km, ML2.1/8

ISC 04 00:55:16.7-1.1, 0.2N-0.2-126.2E:0.2, h44km, n10, o=646h, mb3.9/6, Northern Molucca Sea

ISC 04 01:03:49.0-0.4, 38.39N-0.03-39.27E:0.03, h5km,3km, Error ellipse: s-maj=5.1km s-min=3.3km az=14.1

DDA 04 00:26:52.2, 39.10N-29.16E, h7km, ML2.8

ISC 04 01:03:49.0-0.6, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

CSEM 04 01:03:49.0-0.2, 38.40N-39.26E, h2km, ML2.2, Error ellipse: s-maj=4.9km s-min=3.8km az=10.0

ISC 04 00:26:51.9-0.9, 39.12N-0.03-29.16E:0.02, h9km,6km, n43, o=52/66, Turkey

ISC 04 01:01:33.7, 39.11N-29.18E, h5km, ML2.3/7

ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

ISC 04 00:26:52.0, 39.11N-29.16E, h7km, ML2.8

ISC 04 01:01:34.0-0.1, 39.10N-29.17E, h8km, ML2.3, Error ellipse: s-maj=2.2km s-min=1.7km az=133.0

ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

ISC 04 00:26:52.0, 39.11N-29.16E, h7km, ML2.8

ISC 04 01:01:34.0-0.9, 39.10N-29.17E, h7km, ML2.7

ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

ISC 04 00:26:52.0, 39.11N-29.16E, h7km, ML2.8

ISC 04 01:01:34.0-0.9, 39.10N-29.17E, h7km, ML2.7

ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

ISC 04 00:26:52.0, 39.11N-29.16E, h7km, ML2.8

ISC 04 01:01:34.0-0.9, 39.10N-29.17E, h7km, ML2.7

ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

ISC 04 00:26:52.0, 39.11N-29.16E, h7km, ML2.8

ISC 04 01:01:34.0-0.9, 39.10N-29.17E, h7km, ML2.7

ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

ISC 04 00:26:52.0, 39.11N-29.16E, h7km, ML2.8

ISC 04 01:01:34.0-0.9, 39.10N-29.17E, h7km, ML2.7

ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

ISC 04 00:26:52.0, 39.11N-29.16E, h7km, ML2.8

ISC 04 01:01:34.0-0.9, 39.10N-29.17E, h7km, ML2.7

ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

ISC 04 00:26:52.0, 39.11N-29.16E, h7km, ML2.8

ISC 04 01:01:34.0-0.9, 39.10N-29.17E, h7km, ML2.7

ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

ISC 04 00:26:52.0, 39.11N-29.16E, h7km, ML2.8

ISC 04 01:01:34.0-0.9, 39.10N-29.17E, h7km, ML2.7

ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

ISC 04 00:26:52.0, 39.11N-29.16E, h7km, ML2.8

ISC 04 01:01:34.0-0.9, 39.10N-29.17E, h7km, ML2.7

ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

ISC 04 00:26:52.0, 39.11N-29.16E, h7km, ML2.8

ISC 04 01:01:34.0-0.9, 39.10N-29.17E, h7km, ML2.7

ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

ISC 04 00:26:52.0, 39.11N-29.16E, h7km, ML2.8

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ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

ISC 04 00:26:52.0, 39.11N-29.16E, h7km, ML2.8

ISC 04 01:01:34.0-0.9, 39.10N-29.17E, h7km, ML2.7

ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

ISC 04 00:26:52.0, 39.11N-29.16E, h7km, ML2.8

ISC 04 01:01:34.0-0.9, 39.10N-29.17E, h7km, ML2.7

ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

ISC 04 00:26:52.0, 39.11N-29.16E, h7km, ML2.8

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ISC 04 01:01:34.0-0.9, 39.10N-29.17E, h7km, ML2.7

ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

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ISC 04 01:01:34.0-0.9, 39.10N-29.17E, h7km, ML2.7

ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

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ISC 04 01:01:34.0-0.9, 39.10N-29.17E, h7km, ML2.7

ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

ISC 04 00:26:52.0, 39.11N-29.16E, h7km, ML2.8

ISC 04 01:01:34.0-0.9, 39.10N-29.17E, h7km, ML2.7

ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

ISC 04 00:26:52.0, 39.11N-29.16E, h7km, ML2.8

ISC 04 01:01:34.0-0.9, 39.10N-29.17E, h7km, ML2.7

ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

ISC 04 00:26:52.0, 39.11N-29.16E, h7km, ML2.8

ISC 04 01:01:34.0-0.9, 39.10N-29.17E, h7km, ML2.7

ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

ISC 04 00:26:52.0, 39.11N-29.16E, h7km, ML2.8

ISC 04 01:01:34.0-0.9, 39.10N-29.17E, h7km, ML2.7

ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

ISC 04 00:26:52.0, 39.11N-29.16E, h7km, ML2.8

ISC 04 01:01:34.0-0.9, 39.10N-29.17E, h7km, ML2.7

ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

ISC 04 00:26:52.0, 39.11N-29.16E, h7km, ML2.8

ISC 04 01:01:34.0-0.9, 39.10N-29.17E, h7km, ML2.7

ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33, o=84/58, Turkey

ISC 04 00:26:52.0, 39.11N-29.16E, h7km, ML2.8

ISC 04 01:01:34.0-0.9, 39.10N-29.17E, h7km, ML2.7

ISC 04 01:03:49.0-0.8, 38.40N-0.02-39.29E:0.02, h8km,4km, n33

4D 2h

Table with columns: Adar, Pinedale Array, YKA, KOWA, TORODI, ASAR, WRA. Includes station names, coordinates, and time/residual data.

ISCJB 04 01:08:37.6:0.4,56:03S:0'07.27:4W:0.2,h112km, mb4.3/1.5, Error ellipse: s-maj=13.6km s-min=8.0km az=149.5

NEIC 04 01:08:41.1:1.1,8.56:01S:27.45W,h129km,15km,mb4.2/4, Error ellipse: s-maj=9.2km s-min=6.5km az=220.0

IDC 04 01:08:42.2:4.7,56:05S:27.48W,h136km,42km,mb4.0/1.1, mb1.4,1/1.2,mb1mx3.8/3.4,mbtmp4.4/1.2, Error ellipse: s-maj=21.7km s-min=12.7km az=57.0

ISC 04 01:08:39.0:0.5,56:11S:0'08.27:5W:0.1,h112km,n50, r110/49,mb4.2/14,10, South Sandwich Islands region

Main station list table for Adar 2h, including columns for Code, Station Name, Az, Phase ID, Time, and Res.

MAN 04 01:26:25.4,10:13N:123.24E,h14km,mb4.0,ML2.8, MS2.4,4D,Cebu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. for MAN event.

ISCJB 04 01:35:36.0:0.4,39:10N:0'02.29:14E:0.03,h6km,4km, Error ellipse: s-maj=4.3km s-min=3.5km az=152.1

ISC 04 01:35:35.4,39:09N:29.17E,h6km,ML2.6/1.4

CSEM 04 01:35:36.2:0.1,39:10N:29.14E,h6km,ML2.6, Error ellipse: s-maj=2.4km s-min=1.9km az=131.0

DDA 04 01:35:36.1,39:12N:29.12E,h7km,ML2.7

ISC 04 01:35:36.3:0.9,39:10N:0'02.29:14E:0.02,h11km,gkm, n56,r053/74, Turkey

Main station list table for ISCJB, ISC, CSEM, DDA, and ISC events.

2012 MAY

Main station list table for 2012 MAY, including columns for Code, Station Name, Az, Phase ID, Time, Res.

TIR 04 01:40:10.5,40:39N:21.28E,h7km,Md2.1/2

SKO 04 01:40:10.3,40:30N:21.25E,h0km,M1.2,ML1.7

CSEM 04 01:40:10.1,0.2,40:41N:21.27E,h10km,ML1.9, Error ellipse: s-maj=4.4km s-min=4.3km az=166.0

ATH 04 01:40:10.6,40:41N:21.27E,h22km,1km,ML1.9/5, Error ellipse: s-maj=1.5km s-min=0.8km az=334.0, Greece

Main station list table for TIR, SKO, CSEM, and ATH events.

ISCJB 04 01:42:24.8:0.4,39:12N:0'03.29:13E:0.03,h10km,4km, Error ellipse: s-maj=5.4km s-min=3.7km az=142.9

Main station list table for ISCJB event.

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CSEM 04 01:42:24.7:0.1,39:10N:29.14E,h10km,ML2.3, Error ellipse: s-maj=3.9km s-min=2.7km az=142.0

DDA 04 01:42:24.9,39:11N:29.14E,h7km,ML2.6

ISC 04 01:42:24.3,39:12N:29.11E,h11km,ML2.3/12

ISC 04 01:42:24.8:0.3,39:11N:0'03.29:15E:0.02,h8km,7km, n40,r055/55, Turkey

Main station list table for CSEM, DDA, ISC, and ISC events.

ISK 04 02:00:35.7,39:11N:29.13E,h9km,ML4.5/24

IDC 04 02:00:35.5:0.7,39:16N:29.11E,h6km,mb4.0/16, mb1.4/1.25,mb1mx3.8/3.6,mbtmp4.0/25,ML3.6/3,M3.1/16, Ms1.3/1/16,ms1mx2.8/6.3, Error ellipse: s-maj=14.3km s-min=11.4km az=45.0

THE 04 02:00:35.8,39:18N:29.31E,h0km,1km,ML4.1/4, Error ellipse: s-maj=1.1km s-min=1.1km az=75.0

MOS 04 02:00:35.7:0.9,39:17N:29.16E,h10km,mb4.2/25, Error ellipse: s-maj=5.2km s-min=3.5km az=90.8

ISCJB 04 02:00:36.0:0.3,39:14N:0'01.29:13E:0.01,h10km,2km, mb4.1/30,M3.2/10, Error ellipse: s-maj=1.8km s-min=1.7km az=173.1

DDA 04 02:00:36.1,39:12N:29.10E,h24km,ML4.5

CSEM 04 02:00:36.4:0.1,39:12N:29.14E,h5km,mb4.1/24, Error ellipse: s-maj=1.7km s-min=1.6km az=77.0

NEIC 04 02:00:36.1:0.0,39:14N:29.12E,h6km,mb4.0/10, ML4.5(DDA),ML4.1(THH),ML4.5(ISC),After ISC

ISC 04 02:00:36.6:0.8,39:11N:0'01.29:12E:0.01,h8km,gkm, n608,r126/688,mb4.1/30,M3.3/10,43C-38D, Turkey

Main station list table for ISK, IDC, THE, MOS, ISCJB, DDA, CSEM, NEIC, and ISC events.

KZIL	ZKIL	S	Sn	02 01 15.1 -0.6	SART	Tekirdag	2.17 317	P	Pn	02 01 12.0 -1.2	NVR	Neurokopi	4.60 301	P	Pn	02 01 47.1 +0.5	
CAVI	Cavuskoj	1.22 27	PN	Pn	02 00 59.4 -0.7	SART	Tekirdag	2.17 317	P	Pn	02 01 12.0 -1.2	NVR	Neurokopi	4.60 301	P	Pn	02 01 47.1 +0.5
CAVI	Cavuskoj	1.22 27	ePn	Pn	02 00 59.4 -0.7	CTKS	Kestanelik-??a	2.17 348	PN	Pn	02 01 12.9 -0.2	NVR	Neurokopi	4.60 301	P	Pn	02 01 47.1 +0.5
SHUT	Suhut-Afyon	1.25 116	PN	Pn	02 01 00.1 -0.5	CTKS	Kestanelik-??a	2.17 348	PN	Pn	02 01 13.1 0.0	XOR	Xorichit	4.61 275	P	Pn	02 01 47.3 +0.6
SHUT	Suhut-Afyon	1.25 116	Pn	Pn	02 01 00.7 +0.1	CTKS	Kestanelik-??a	2.17 348	Pn	Pn	02 01 13.1 0.0	XOR	Xorichit	4.61 275	P	Pn	02 01 47.3 +0.6
SHUT	Suhut-Afyon	1.25 116	Pn	Pn	02 01 00.7 +0.1	SAHE	Sakarya_HENDEK	2.19 37	P	Pn	02 01 13.7 +0.3	ZKR	Zakros	4.62 211	P	Pn	02 01 48.6 +1.9
IZI	Iznik	1.25 12	PN	Pn	02 00 59.9 -0.7	SAHE	Sakarya_HENDEK	2.19 37	P	Pn	02 01 13.7 +0.3	ZKR	Zakros	4.62 211	P	Pn	02 01 48.6 +1.9
IZI	Iznik	1.25 12	Pn	Pn	02 00 59.8 -0.7	ZEY	zmir	2.23 248	P	Pn	02 01 13.8 0.0	ZKR	Zakros	4.62 211	P	Pn	02 01 48.4 +1.7
IZI	Iznik	1.25 12	Pn	Pn	02 00 59.8 -0.7	SLVT	Silivri	2.23 342	P	Pn	02 01 13.9 +0.4	ZKR	Zakros	4.62 211	P	Pn	02 01 48.4 +1.7
MDNY	Mudanya-Bursa	1.27 352	PN	Pn	02 01 00.5 -0.2	SLVT	Silivri	2.23 342	Pn	Pn	02 01 14.3 +0.4	SRS	Serrai	4.62 297	P	Pn	02 01 48.2 +0.5
MDNY	Mudanya-Bursa	1.27 352	Pn	Pn	02 01 00.6 -0.2	SLVT	Silivri	2.23 342	Pn	Pn	02 01 12.0 -1.5	SRS	Serrai	4.62 297	P	Pn	02 01 48.2 +0.5
MDNY	Mudanya-Bursa	1.27 352	Pn	Pn	02 01 00.6 -0.2	DOGA	KONYA_Doganhis	2.23 116	P	Pn	02 01 15.0 +0.9	SRS	Serrai	4.62 297	P	Pn	02 01 48.2 +0.5
BORA	Eskisehir	1.29 53	PN	Pn	02 01 00.4 -0.6	DOGA	KONYA_Doganhis	2.23 116	P	Pn	02 01 15.0 +0.9	SRS	Serrai	4.62 297	P	Pn	02 01 48.2 +0.5
BORA	Eskisehir	1.29 53	Pn	Pn	02 01 00.5 -0.6	TKR	Tekirdag	2.24 328	Pn	Pn	02 01 14.1 +0.1	NPS	Neapolis	4.75 217	P	Pn	02 01 50.4 +1.7
BORA	Eskisehir	1.29 53	Pn	Pn	02 01 00.5 -0.6	TKR	Tekirdag	2.24 328	Pn	Pn	02 01 14.1 +0.1	NPS	Neapolis	4.75 217	P	Pn	02 01 50.4 +1.7
KCTX	Karacabey (Bur	1.29 333	PN	Pn	02 01 01.1 0.0	TURN	Turunc	2.27 181	P	Pb	02 01 16.6 -1.3	NPS	Neapolis	4.75 217	P	Pn	02 01 50.4 +1.7
KCTX	Karacabey (Bur	1.29 333	Pn	Pn	02 01 01.1 0.0	TURN	Turunc	2.27 181	P	Pb	02 01 16.6 -1.3	AKMG	AKamas	4.82 147	P	Pn	02 01 50.9 +1.4
BALY	Balya	1.32 299	iS	Sb	02 01 00.4 -1.1	SMG	Samos	2.28 233	P	Sb	02 01 18.6 +0.6	ALFC	Alefka	4.83 144	P	Pn	02 01 48.3 -1.4
BALY	Balya	1.32 299	P	Sb	02 01 00.4 -1.1	SMG	Samos	2.28 233	P	Sb	02 01 47.0 +0.7	LAST	Lasithi	4.90 218	P	Pn	02 01 52.6 +1.9
BALY	Balya	1.32 299	P	Sb	02 01 18.9 -0.5	SMG	Samos	2.28 233	P	Sb	02 01 13.8 -0.8	LAST	Lasithi	4.90 218	P	Pn	02 01 52.6 +1.9
DENT	Denizli	1.36 183	PN	Pn	02 01 00.7 -1.3	SMG	Samos	2.28 233	P	Sb	02 01 47.0 +0.7	LAST	Lasithi	4.90 218	P	Pn	02 01 52.6 +1.9
DENT	Denizli	1.36 183	Pn	Pb	02 01 02.3 0.0	SMG	Samos	2.28 233	P	Sb	02 01 13.8 -0.8	EFOR	EFORIE	4.98 356	iP	Pn	02 01 52.4 +0.7
DENT	Denizli	1.36 183	Pn	Pb	02 01 02.3 0.0	SMG	Samos	2.28 233	P	Sb	02 01 47.0 +0.7	EFOR	EFORIE	4.98 356	iP	Pn	02 01 52.4 +0.7
ESKT	Eskisehir	1.40 73	PN	Pn	02 01 02.1 -0.6	CRLT	Corlu	2.28 333	PN	Pn	02 01 13.9 -0.7	IDI	Anoyia	5.09 223	Pn	Pn	02 01 54.0 +0.7
ESKT	Eskisehir	1.40 73	Pn	Pn	02 01 01.7 -1.0	CRLT	Corlu	2.28 333	Pn	Pn	02 01 15.2 +0.6	IDI	Anoyia	5.09 223	Pn	Pn	02 01 54.0 +0.7
ESKT	Eskisehir	1.40 73	Pn	Pn	02 01 02.8 +0.1	CRLT	Corlu	2.28 333	Pn	Pn	02 01 15.2 +0.6	IDI	Anoyia	5.09 223	Pn	Pn	02 01 54.0 +0.7
ESKT	Eskisehir	1.40 73	Pn	Pn	02 01 02.8 +0.1	EZN	Ezine	2.28 289	P	Pn	02 01 15.0 +0.4	IDI	Anoyia	5.09 223	Pn	Pn	02 01 54.0 +0.7
ESKT	Eskisehir	1.40 73	Pn	Pn	02 01 02.8 +0.1	EZN	Ezine	2.28 289	P	Pn	02 01 15.0 +0.4	IDI	Anoyia	5.09 223	Pn	Pn	02 01 54.0 +0.7
ADVT	Abdulvahap	1.40 20	PN	Pn	02 01 02.7 +0.1	EZN	Ezine	2.28 289	P	Pn	02 01 14.9 +0.4	IDI	Anoyia	5.09 223	Pn	Pn	02 01 54.0 +0.7
ADVT	Abdulvahap	1.40 20	Pn	Pn	02 01 02.3 -0.2	EZN	Ezine	2.28 289	P	Pn	02 01 15.0 +0.4	IDI	Anoyia	5.09 223	Pn	Pn	02 01 54.0 +0.7
ADVT	Abdulvahap	1.40 20	ePn	Pn	02 01 02.7 +0.1	KORT	Korkuelli	2.32 155	P	Pn	02 01 16.1 +0.8	IDI	Anoyia	5.09 223	Pn	Pn	02 01 54.0 +0.7
GONE	Gonen-Balikesi	1.45 311	PN	Pn	02 01 02.8 -0.4	KORT	Korkuelli	2.32 155	P	Pn	02 01 16.1 +0.8	IDI	Anoyia	5.09 223	Pn	Pn	02 01 54.0 +0.7
GONE	Gonen-Balikesi	1.45 311	Pn	Pn	02 01 01.1 0.0	KDHM	Kadinhani	2.41 103	P	Pn	02 01 17.2 +0.6	ICOR	Ion Corvin	5.10 349	iP	Pn	02 01 53.7 +0.3
GONE	Gonen-Balikesi	1.45 311	Pn	Pn	02 01 03.2 0.0	KDHM	Kadinhani	2.41 103	P	Pn	02 01 17.2 +0.6	ICOR	Ion Corvin	5.10 349	iP	Pn	02 01 53.7 +0.3
ARMT	Armutlu	1.47 352	PN	Pn	02 01 03.3 -0.2	BDRM	Kayabasi	2.43 213	P	Pn	02 01 16.2 -0.5	MACM	Mammari	5.12 139	P	Pn	02 01 54.6 +1.0
ARMT	Armutlu	1.47 352	Pn	Pn	02 01 03.3 -0.2	BDRM	Kayabasi	2.43 213	P	Pn	02 01 16.2 -0.5	MACM	Mammari	5.12 139	P	Pn	02 01 54.6 +1.0
ARMT	Armutlu	1.47 352	ePn	Pn	02 01 03.3 -0.2	CTVL	Yalikoy Yolu	2.44 345	PN	Pn	02 01 16.8 -0.1	KNT	Kendrikon	5.19 295	P	Pn	02 01 55.7 +1.1
YLV	Yalova	1.47 8	P	Pn	02 01 03.4 0.0	CTVL	Yalikoy Yolu	2.44 345	PN	Pn	02 01 17.1 +0.2	KNT	Kendrikon	5.19 295	P	Pn	02 01 55.7 +1.1
YLV	Yalova	1.47 8	P	Pn	02 01 03.5 0.0	CTVL	Yalikoy Yolu	2.44 345	PN	Pn	02 01 17.1 +0.2	KNT	Kendrikon	5.19 295	P	Pn	02 01 55.7 +1.1
YLV	Yalova	1.47 8	P	Pn	02 01 03.5 0.0	FETY	Fethiye	2.47 181	P	Pn	02 01 17.2 -0.1	LIT	Litokhoron	5.21 283	ePn	Pn	02 01 56.0 +1.0
BOLV	Bolvadin	1.48 105	iP	Sb	02 01 04.3 +0.5	FETY	Fethiye	2.47 181	P	Pn	02 01 17.2 -0.1	LIT	Litokhoron	5.21 283	ePn	Pn	02 01 56.0 +1.0
BOLV	Bolvadin	1.48 105	P	Sb	02 01 04.3 +0.5	BOZC	Bozcaada	2.48 288	iP	Pn	02 01 17.0 -0.4	BOD	Bodrum	2.50 215	P	Pn	02 01 56.0 +1.0
BOLV	Bolvadin	1.48 105	P	Sb	02 01 04.3 +0.5	BOD	Bodrum	2.50 215	P	Pn	02 01 16.3 -1.3	AGG	Agios Georgios	5.29 271	ePn	Pn	02 01 58.2 +2.2
GPA	Golpazari	1.49 38	PN	Pn	02 01 03.3 -0.5	CHOS	Chios island	2.50 254	P	Pn	02 01 19.5 +1.7	AGG	Agios Georgios	5.29 271	ePn	Pn	02 01 58.2 +2.2
GPA	Golpazari	1.49 38	Pn	Pn	02 01 03.8 0.0	CHOS	Chios island	2.50 254	P	Pn	02 01 19.5 +1.7	AGG	Agios Georgios	5.29 271	ePn	Pn	02 01 58.2 +2.2
GPA	Golpazari	1.49 38	Pn	Pn	02 01 03.8 0.0	CHOS	Chios island	2.50 254	P	Pn	02 01 59.4 +2.3	SCAZ	Souni	5.29 144	P	Pn	02 01 56.3 +0.3
GPA	Golpazari	1.49 38	Pn	Pn	02 01 03.8 0.0	CHOS	Chios island	2.50 254	P	Pn	02 01 18.3 +0.5	SCAZ	Souni	5.29 144	P	Pn	02 01 56.3 +0.3
GPA	Golpazari	1.49 38	Pn	Pn	02 01 03.8 0.0	CHOS	Chios island	2.50 254	P	Pn	02 01 53.4 +0.4	CSS	Mathiatis	5.34 140	P	Pn	02 01 56.9 +0.2
AYD	Zeytin koyu-Aydi	1.51 220	PN	Pn	02 01 03.9 -0.3	CHOS	Chios island	2.50 254	P	Pn	02 01 53.4 +0.4	CSS	Mathiatis	5.34 140	P	Pn	02 01 56.9 +0.2
AYD	Zeytin koyu-Aydi	1.51 220	ePn	Pn	02 01 03.9 -0.3	CHOS	Chios island	2.50 254	P	Pn	02 01 58.4 +2.3	CSS	Mathiatis	5.34 140	P	Pn	02 01 56.9 +0.2
BRDR	BURDUR-Merkez	1.59 152	iP	Sb	02 01 05.1 -0.2	KESN	Edirne-Kesan	2.54 313	iP	Pn	02 01 18.5 0.0	CSS	Mathiatis	5.34 140	ePn	Pn	02 01 54.7 -2.0
BRDR	BURDUR-Merkez	1.59 152	P	Sb	02 01 27.3 +0.5	KESN	Edirne-Kesan	2.54 313	iP	Pn	02 01 18.5 0.0	CSS	Mathiatis	5.34 140	ePn	Pn	02 01 54.7 -2.0
BRDR	BURDUR-Merkez	1.59 152	P	Sb	02 01 05.1 -0.2	SIGR	SIGRI	2.54 273	P	Pn	02 01 18.3 +0.1	CSS	Mathiatis	5.34 140	ePn	Pn	02 01 54.7 -2.0
BRDR	BURDUR-Merkez	1.59 152	P	Sb	02 01 27.3 +0.5	SIGR	SIGRI	2.54 273	P	Pn	02 01 18.3 +0.1	CSS	Mathiatis	5.34 140	ePn	Pn	02 01 54.7 -2.0
BRDR	BURDUR-Merkez	1.59 152	P	Sb	02 01 05.1 -0.2	SIGR	SIGRI	2.54 273	P	Pn	02 01 56.4 +2.5	SIVA	Sivas	5.34 221	P	Pn	02 01 56.8 +0.2
BRDR	BURDUR-Merkez	1.59 152	P	Sb	02 01 27.3 +0.5	SIGR	SIGRI	2.54 273	P	Pn	02 01 18.2 +0.1	SIVA	Sivas	5.34 221	P	Pn	02 01 56.8 +0.2
GEYV	SAKARYA_Geyve	1.64 33	iP	Sb	02 01 03.0 +2.0	SIGR	SIGRI	2.54 273	P	Pn	02 01 52.4 -1.5	ZIMR	Tirgusor	5.35 329	iP	Pn	02 01 57.5 +0.7
GEYV	SAKARYA_Geyve	1.64 33	P	Sb	02 01 05.8 -0.1	SIGR	SIGRI	2.54 273	P	Pn	02 01 18.3 +0.1	ZIMR	Tirgusor	5.35 329	iP	Pn	02 01 57.5 +0.7
GEYV	SAKARYA_Geyve	1.64 33	P	Sb	02 01 03.0 +2.0	SIGR	SIGRI	2.54 273	P	Pn	02 01 56.4 +2.5	ZIMR	Tirgusor	5.35 329	iP	Pn	02 01 57.5 +0.7
GEYV	SAKARYA_Geyve	1.64 33	P	Sb	02 01 05.8 -0.1	SIGR	SIGRI	2.54 273	P	Pn	02 01 18.3 +0.1	ZIMR	Tirgusor	5.35 329	iP	Pn	02 01 57.5 +0.7
TAVA	DENIZLI_Tavas	1.65 186	iP	Pn	02 01 05.3 -0.2	GADA	Gvigeada	2.71 294	P	Pn	02 01 21.0 +0.5	TIRR	Tirgusor	5.37 355	ePn	Pn	02 01 57.5 +0.7
TAVA	DENIZLI_Tavas	1.65 186	P	Pn	02 01 30.6 +0.8	GADA	Gvigeada	2.71 294	P	Pn	02 01 21.0 +0.5	TIRR	Tirgusor	5.37 355	ePn	Pn	02 01 57.5 +0.7
TAVA	DENIZLI_Tavas	1.65 186	P	Pn	02 01 05.3 -0.2	GADA	Gvigeada	2.71 294	P	Pn	02 01 21.0 +0.5	TIRR	Tirgusor	5.37 355	ePn	Pn	02 01 57.5 +0.7
TAVA	DENIZLI_Tavas	1.65 186	P	Pn	02 01 30.6 +0.8	ENEZ	Enez	2.80 306	P	Pn	02 01 22.3 +0.6	TIRR	Tirgusor	5.37 355	ePn	Pn	02 01 57.5 +0.7
KNL	Baf-kesir	1.69 314	iP	Sb	02 01 06.7 +0.2	ENEZ	Enez	2.80 306	P	Pn	02 01 57.8 +2.1	TIRR	Tirgusor	5.37 355	ePn	Pn	02 01 57.5 +0.7
KNL	Baf-kesir	1.69 314	P	Sb	02 01 28.9 +0.5	ENEZ	Enez	2.80 306	P	Pn	02 01 22.3 +0.6	TIRR	Tirgusor	5.37 355	ePn	Pn	02 01 57.5 +0.7
GULT	Guilveren	1.70 39	PN	Pn	02 01 07.4 +0.6	ENAM	Yenicaga	2.83 52	iP	Pn	02 01 27.8 +2.1	VAY	Valandovo	5.48 296	ePn	Pg	02 02 55.9 +4.0
GULT	Guilveren	1.70 39	Pn	Pn	02 01 06.5 -0.3	ENAM	Yenicaga	2.83 52	iP	Pn	02 01 27.8 +2.1	THL	Klotos Trika	5.5			

Table with columns: ID, Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like BUR04, TEKS, BUR08, etc.

Table with columns: ID, Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like IGID, IIGN, GRFO, etc.

Table with columns: ID, Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like MKK31, MKK31, MKAR, etc.

DDA 04 02:07:31.9, 39°11'N-29°11'E, h8km, ML2.7
ISK 04 02:07:31.4, 39°11'N-29°13'E, h5km, ML2.3/10
CSEM 04 02:07:32.0, 39°11'N-29°12'E, h8km, ML2.3, Error
ellipse: s-maj=2.8km s-min=2.2km az=136.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like SIMA, SIMA, SIMA, etc.

IDC 04 02:17:52.8-8.8, 3°29'N-93°59'E, h0km, mb3.5/4, mb1 3.6/4,
mb1mx3.3/6.3, mbtmp3.5/4, Error ellipse:
s-maj=207.2km s-min=81.4km az=139.0, Off west coast
of northern Sumatra

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like H08S2, H08S2, H08S2, etc.

IDC 04 02:40:43.6, 1.4, 35°35'N-140°91'E, h0km, mb3.3/4,
mb1 3.5/6, mb1mx3.3/6.4, mbtmp3.2/5, ML2.8/1, MS2.5/1,
Ms1 2.5/1, ms1mx2.1/3.1, Error ellipse: s-maj=33.2km
s-min=31.1km az=178.0
ISCJB 04 02:20:45.3, 0.9, 35°78'N-105°140'89"E, 0.08, h9km, 6km,
mb3.3/4, Error ellipse: s-maj=11.0km s-min=8.2km
az=169.9
JMA 04 02:20:45.3, 0.2, 35°75'N-140°93'E, h9km, 1km, M3.4,
JMA Felt II J1.









4d 4h

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like ZALV, BVAR, BORVOYE, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like AKTU, ARKO, KLR, BRTR, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like NOA, PETK, EDSC, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like PSI, MKAR, WRA, ASAR, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like TRN, SMRT, SABA, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like SIMA, GDZ, DEMI, etc.

2012 MAY

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like NOA, HFS, GERES, etc.

MEX 04 03:52:02.0, 0.6, 14.23N:93.36W, h14km, 94km, MD4.1

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like MEX, ISCJB, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like CMIG, TXAR, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like YKA, INK, RES, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like ILAR, BORG, NOA, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like FOCM, EPOS, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like AYVA, SIGR, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like GCAM, CANAKKALE, etc.

MEX 04 04:41:27.3, 0.4, 14.08N:93.31W, h93km, 23km, MD4.1

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like MEX, ISCJB, etc.

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

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like CMIG, TXAR, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like SKHL, ISCJB, etc.

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

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

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like GRNR, EKMR, etc.









4d 5h

2012 MAY

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like BRG Bergjesshubel, ARR Tucson, VRAC Vranco, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like KRBG Sarkoy-Tekirda, SART Tekirdag, ALN Alexandroupoli, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like LIA Limnos Island, CHOS Chios Island, PAIG Paliouri, etc.

MOS 04:05:38:12.6:1.0, 40.28N:27.04E, h9km, mb4.0/6, Error ellipse: s-maj=6.2km s-min=5.0km az=86.8

ISCJB 04:05:38:13.6:0.3, 40.31N:0.01:26.99E:0.01, h10km, 2km, mb3.9/15, MS2.8/7, Error ellipse: s-maj=1.8km s-min=1.6km az=13.8

DDA 04:05:38:13.6:0.3, 40.31N:27.02E, h24km, M1.2 NEIC 04:05:38:13.0:0.0, 40.31N:27.00E, h11km, mb4.4/3, M4.0(THE), M4.1(ATH), M4.3(SIK), After ISK

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like APE, BOLD, AUMIH, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BRTR, ILGA, BOVS, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like NOA, ESDC, AKTO, etc.

ISCJB 04 05:45:59.0z, 17.5N, 159.9E, 0.2x93.4W, 0.1, h105km, mb3.3/2, Error ellipse: s-maj=28.3km s-min=6.0km az=36.4, MEX 04 05:45:59.9z, 0.4, 15.90N, 93.53W, h106km, 4km, MD4.0, IDC 04 05:45:59.5z, 2.2, 18.13N, 93.32W, hb7km, 16km, mb3.2/2, mb1 3.5/4, mb1mx3.2/46, mbtmp3.4/4, Error ellipse: s-maj=95.4km s-min=6.4km az=28.0, ISC 04 05:45:59.9z, 1.1, 15.9N, 0.2x93.5W, 0.1, h105km, n7, i0109/14, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PCIG, THIG, CMIG, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like NNC, SFK, MNAS, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like WEL, IDC, ISCJB, NEIC, etc.



az=38.2, NEIC 04 06:29:41.7, 0.8, 5.20S, 151.99E, h63km, 7km, mb4.5/35, Error ellipse: s-maj=15.3km s-min=4.5km az=125.0, ISC 04 06:29:42.1, 0.7, 5.15S, 0.91N, 151.9E, 0.1, h70km, n65, s127/64, mb4.5/43, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Lists stations like RABL Rabaul, MANU Manus Island, PMG Port Moresby, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Lists stations like DURS Dursunbey, MANT Manisa, KHAL Karahalli, etc.

NEIC 04 06:51:22.9, 0.0, 37.51S, 176.51E, h198km, ML4.0(WEL), After WEL, WEL 04 06:51:24.5, 1.1, 37.5S, 9.177E, h180km, 9km, North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Lists stations like TGRZ Tauranga, OPRZ Ohinepanea, OPRZ Ohinepanea, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Lists stations like COVZ Chateau Obsery, TUVZ Tukino, FWWZ Far West T-bar, etc.

ISC 04 06:46:28.7, 39.08N, 29.18E, h5km, ML2.3/10, ISCJB 04 06:46:29.6, 0.4, 39.08N, 0.03, 29.14E, 0.03, h5km, 5km, Error ellipse: s-maj=5.1km s-min=3.6km az=152.8, CSEM 04 06:46:29.6, 0.1, 39.10N, 29.15E, h5km, ML2.3, Error ellipse: s-maj=2.8km s-min=2.2km az=138.0, DDA 04 06:46:29.6, 39.08N, 29.13E, h7km, ML2.5, ISC 04 06:46:29.8, 0.9, 39.10N, 0.02, 29.15E, 0.02, h9km, 6km, n39, s064/58, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Lists stations like SIMA Simav-Kutahya, SIMA Simav-Kutahya, SIMA Simav-Kutahya, etc.

NIED 04 06:55:00.36, 90N, 141.10E, h50km, Mw3.7, Best double couple: M0.3, 97000.0, 1014, NP1, s=57.00000, R30.00000, L=8.90000, NP2, s=176.00000, R60.00000, L=9.00000, IDC 04 06:55:01.0, 1.0, 36.81N, 141.29E, h0km, mb3.5/7, Ms1 3.8/8, ms1mx3.6/64, mbtrmp3.5/8, ML3.5/1, MS2.6/3, Ms1 2.6/3, ms1mx2.3/59, Error ellipse: s-maj=27.3km s-min=19.7km az=168.0, JMA 04 06:55:07.0, 1.0, 36.92N, 141.07E, h51km, 1km, M3.6 JMA Feb 11 J1, ISC 04 06:55:05.8, 1.6, 36.90N, 0.04, 141.21E, 0.06, h28km, 11km, n29, s091/34, mb3.6/7, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Lists stations like ONAJ Iwakimizuishiy, JFK Kawauchi, JHO Hitachi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Lists stations like ONAJ Iwakimizuishiy, JFK Kawauchi, JHO Hitachi, etc.







4d 8h

Table with columns: PEAK, Station Name, Time, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Petropavlovsk, Makanchi Array, etc.

UPP 04 08:02:25.8 0.1, 6.7, 16N-20.64E, h0km, ML1.8
ISCJB 04 08:02:25.4 0.3, 6.7, 12N-0.02, 75E-0.07, h0km, Error ellipse: s-maj=3.8km s-min=3.4km az=28.3

CSEM 04 08:02:25.8 0.2, 6.7, 16N-20.61E, h2km, ML2.4, Error ellipse: s-maj=4.6km s-min=3.7km az=80.0, Mining explosion.

NAO 04 08:02:26.0 0.8, 6.7, 20N-20.43E, ML2.9
IDC 04 08:02:26.9 0.8, 6.7, 12N-20.93E, h0km, mb1 3.2/5, mb1mx3.0/6.7, mbtmp3.2/5, ML2.7/5, Error ellipse: s-maj=15.3km s-min=7.0km az=112.0

HEL 04 08:02:26.0 0.0, 6.7, 17N-20.66E, h0km, ML2.4, ML1.8(UPP) Explosion.
BER 04 08:02:30.2 3.2, 6.7, 09N-20.96E, h0km, ML2.2, ML2.9(NAO), Suspected explosion

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

2013 MAY

Main table with columns: TOF, Station Name, Time, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Tornio, LILU, etc.

KRNET 04 08:11:07.9 0.1, 40.84N-70.58E, h16km, mb2.0
SOME 04 08:11:10.3, 40.88N-71.00E, h0km
NNC 04 08:11:02.1 6.9, 41.29N-71.12E, h0km, mb2.6, mpv2.4, Error ellipse: s-maj=58.8km s-min=32.6km az=7.0

ISC 04 08:11:09.8 1.4, 40.76N-70.04, 70.79E-0.05, h18km, 4km, n11, c09/19, 12C-6D, Tajikistan

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

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

ISCJB 04 08:17:10.2 0.5, 13.65N-0.04, 120.62E-0.08, h10km, 5km, mb3.8/6, Error ellipse: s-maj=13.1km s-min=6.8km az=166.0

MAN 04 08:17:10.1, 13.74N-120.50E, h77km, mb4.4, ML3.2, MS3.0
IDC 04 08:17:10.3 2.0, 13.59N-120.76E, h95km, 25km, mb3.4/6, mb1 3.5/6, mb1mx3.1/69, mbtmp3.8/6, MS2.6/1, Ms1 2.6/1, ms1mx2.1/37, Error ellipse: s-maj=113.5km s-min=15.5km az=66.0

ISC 04 08:17:10.9 0.9, 13.68N-0.04, 120.55E-0.08, h97km, 8km, n16, c141/22, mb3.8/6, 2C-1D, Mindoro

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

NSSP 04 08:20:31.3, 38.37N-44.05E, h7km, Ms3.2
ATA 04 08:20:32.7 0.9, 38.56N-43.84E, h3km, 14km, ML3.9, MW3.8

ISK 04 08:20:32.1, 38.56N-43.86E, h5km, ML3.4/7
DDA 04 08:20:33.1, 38.52N-43.92E, h7km, M13.6
CSEM 04 08:20:34.6 0.3, 38.60N-43.76E, h2km, ML3.4, Error ellipse: s-maj=6.8km s-min=4.4km az=116.0

ISC 04 08:20:34.1 1.1, 38.53N-0.02, 43.85E-0.02, h6km, 9km, n66, c145/95, 4C-2D, Turkey

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

Table with columns: EAK, Akyaka, 2.16 355, P, P, 08 21 14.1, +0.4, etc.

Table with columns: MEX 04 08:28:20.3, 0.4, 16.06N:98.64W, h15km, 12km, MD3.9, etc.

Table with columns: CSEM 04 08:34:28.3, 1.31, 04.0N:51.33E, h14km, ML3.2, etc.

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

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

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

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

ISC/JB 04 08:54:34.0, 0.7, 14.0N:0.1x144.7E:0.2, h125km, mb3.5/8, Error ellipse: s-maj=28.7km s-min=15.2km az=174.1

ISC 04 08:54:34.0, 0.6, 14.06N:144.73E:0.1, h11km, mb3.1/7, mb1 3.1/7, mb1mx3.1/6, mbtmp3.4/7, Error ellipse: s-maj=27.3km s-min=16.2km az=90.0

ISC 04 08:54:35.0, 0.8, 14.0N:0.1x144.8E:0.2, h125km, n9, o1125/10, mb3.5/8, Mariana Islands

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

KOLA 04 09:00:33.0, 0.6, 74.75N:30.39E, h0km, ISC/JB 04 09:00:34.0, 0.6, 64.76N:0.03:31.2E:0.1, h0km, Error ellipse: s-maj=7.0km s-min=3.8km az=1.3

ISC 04 09:00:35.1, 3.4, 64.55N:32.41E, h0km, mb1 3.0/4, mb1mx2.8/3, mbtmp3.0/4, ML2.6/4, Error ellipse: s-maj=44.8km s-min=10.8km az=102.0

UPP 04 09:00:35.4, 3.1, 64.52N:31.19E, h0km, ML1.7, CSEM 04 09:00:38.1, 0.7, 64.54N:32.41E, h2km, ML1.7, Error ellipse: s-maj=16.9km s-min=10.1km az=78.0, Mining explosion.

HEL 04 09:00:38.6, 0.2, 64.69N:30.62E, h0km, ML2.1, Explosion ISC 04 09:00:36.3, 1.1, 64.83N:0.03:31.2E:0.05, h0km, n47, o1138/62, Baltic States-Belarus-Northwestern Russia

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

Table with columns: OUF Merijarvi, 2.83 263, PB, Pn, 09 01 22.4, -0.3, etc.

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

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

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

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

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

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

ISC 04 09:17:59.6, 0.8, 24.11N:66.90W, h166km, g77km, mb3.1/1, mb1 3.1/7, mb1mx2.9/36, mbtmp3.3/3, Error ellipse: s-maj=91.2km s-min=60.4km az=9.0, Salta Province

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

ISC 04 09:19:58.5, 39.88N:32.99E, h29km, ML1.8/3, Suspected Mining explosion.

ISC/JB 04 09:19:59.0, 0.5, 39.93N:0.03:33.14E:0.04, h0km, Error ellipse: s-maj=4.4km s-min=3.7km az=32.0

CSEM 04 09:19:59.0, 0.2, 39.92N:33.11E, h15km, ML1.8, Error ellipse: s-maj=6.1km s-min=4.9km az=114.0

DDA 04 09:20:00.6, 39.93N:33.13E, h7km, ML2.6 ISC 04 09:19:59.6, 0.8, 39.93N:0.02:33.17E:0.03, h0km, n21, o083/35, Turkey

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

Table with columns: BCAM Yenicaga, 1.22 317, P, Pg, 09 20 22.9, 0.0, AUSIV SIVRIHSAR, 1.35 249, PN, Pg, 09 20 19.9, -5.5

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

IDC 04 09:34:42.0, 2.6, 17.27S:173.75W, h0km, mb3.9/3, mb1 4.1/4, mb1mx3.6/55, mbtmp3.8/4, ML3.4/1, MS3.1/2, Ms1 3.1/2, ms1mx2.7/45, Error ellipse: s-maj=133.3km s-min=24.0km az=145.0, Tonga Islands

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

HEL 04 09:35:23.7, 0.6, 67.58N:34.20E, h0km, ML2.2, Explosion CSEM 04 09:35:25.9, 1.5, 67.53N:33.61E, h1km, ML2.2, Error ellipse: s-maj=30.8km s-min=16.0km az=86.0, Mining explosion.

KOLA 04 09:35:25.3, 67.65N:34.03E, h0km, NAO 04 09:35:29.4, 2.7, 67.58N:33.07E, ML2.5 ISC 04 09:35:29.8, 2.4, 67.64N:0.06:34.1E:0.1, h0km, n20, o081/34, Baltic States-Belarus-Northwestern Russia

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

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

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

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

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

ISC/JB 04 09:36:15.3, 0.8, 23.1S:0.1x77.2W:0.1, h10km, mb4.1/5, Error ellipse: s-maj=17.0km s-min=15.2km az=180.0

IDC 04 09:36:15.4, 0.8, 23.15S:77.21W, h0km, mb4.1/5, mb1 4.1/9, mb1mx3.9/42, mbtmp3.9/9, ML3.5/4, MS2.9/2, Ms1 2.9/2, ms1mx2.6/30, Error ellipse: s-maj=31.1km s-min=22.0km az=64.0

ISC 04 09:36:16.9, 0.8, 23.25S:0.1x77.2W:0.1, h10km, n16, o084/15, mb4.3/5, Southeastern Pacific Ocean

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.

ISC/JB 04 09:37:56.0, 0.5, 39.11N:0.03:29.11E:0.03, h7km, 4km, Error ellipse: s-maj=5.1km s-min=3.7km az=41.5

DDA 04 09:37:55.5, 39.13N:29.11E, h7km, ML2.6

ISK 04 09:37:55.3, 39.12N, 029.17E, h8km, ML2.4/7
CSEM 04 09:37:56.1, 0.1, 39.12N, 29.17E, h8km, ML2.4, Error
ellipse: s-maj=3.0km s-min=2.2km az=126.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like SIMA, GDZ, DEMIRCI, etc.

ISC/JB 04 09:38:37.3, 1.1, 43.31N, 07.145, 56E, 0.09, h8km, 7km, Error ellipse: s-maj=15.0km s-min=5.7km az=141.3

JMA 04 09:38:38.2, 0.1, 43.30N, 145.55E, h8km, 1km, M2.6
SKHL 04 09:38:38.6, 0.6, 43.14N, 146.02E, h6.3km, 2km, mb4.4/5

ISC 04 09:38:37.1, 1.9, 43.29N, 0.08, 145.60E, 0.07, h9.1km, 11km, n13, c0576/25, Hokkaido region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like NEM2, GLVR, JNK, etc.

WEL 04 09:47:34.7, 0.6, 44.5, 16.8E, 4.5, h5km, ML3.8/10, South Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like MSZ, JCZ, WKZ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like DSZ, THZ, KHZ, etc.

ISC/JB 04 09:51:09.6, 0.6, 38.29N, 0.04, 38.12E, 0.04, h13km, 7km, Error ellipse: s-maj=7.6km s-min=4.8km az=22.8

CSEM 04 09:51:09.5, 0.3, 38.32N, 38.12E, h10km, ML2.0, Error ellipse: s-maj=8.4km s-min=5.2km az=24.0

ISC 04 09:51:09.6, 0.9, 38.33N, 0.04, 38.11E, 0.02, h12km, 7km, n18, c049/27, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like AKCD, MALT, DARE, etc.

DJA 04 09:54:16.0, 0.8, 10.5, 10.9E, 1.0, h10km, M3.6/9, MLv3.6/9, South of Java

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like CMJ1, UGM, KPJ1, etc.

ISC/JB 04 10:09:04.0, 0.6, 23.10S, 0.06, 77.13W, 0.08, h10km, mb4.2/10, Error ellipse: s-maj=10.9km s-min=8.2km

ISC 04 10:09:04.2, 0.8, 23.14S, 77.26W, h0km, mb4.0/6, mb1.4/0.10, mb1mx3.8/37, mbtmp3.8/10, ML3.5/4, Error ellipse: s-maj=31.0km s-min=20.7km az=61.0

NEIC 04 10:09:06.0, 0.6, 23.09S, 77.17W, h10km, mb4.4/6, Error ellipse: s-maj=11.4km s-min=9.2km az=59.0

ISC 04 10:09:05.7, 0.7, 23.11S, 0.09, 77.2W, 0.1, h10km, n34, c088/36, mb4.2/10, Southcentral Pacific Ocean

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like G002, PB01, MNMC, etc.

WRR1 Warramunga Arr 127.29 218 ePKPdf 10 28 10.7 -0.7

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

DDA 04 10:09:59.0, 37.56N, 35.71E, h7km, M2.6

ISC 04 10:09:58.9, 1.3, 37.51N, 0.08, 35.72E, 0.05, h13km, 10km, n5, c041/9, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like KOZT, ANDN, SAIM, etc.

GULE Gulek 0.78 253 iP Pg 10 10 14.1 -0.0

GULE Gulek 0.78 253 iS Sb 10 10 25.8 +0.7

IGQ 04 10:11:51.3, 1.1, 1.1S, 5.8W, h12km, MLV4.1/8, Off coast of Ecuador

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like AGUAY, MAGI, ILLI, etc.

DDA 04 10:18:55.6, 39.19N, 29.08E, h7km, M2.7

ISC 04 10:18:55.3, 39.08N, 29.15E, h6km, ML2.1/5

ISC/JB 04 10:18:56.2, 0.5, 39.11N, 0.04, 29.09E, 0.05, h9km, 5km, Error ellipse: s-maj=8.2km s-min=4.2km az=143.5

CSEM 04 10:18:56.3, 0.1, 39.12N, 29.09E, h8km, ML2.1, Error ellipse: s-maj=4.7km s-min=2.5km az=132.0

ISC 04 10:18:55.8, 0.9, 39.12N, 0.04, 29.08E, 0.03, h14km, 6km, n0, c050/32, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like SIMA, DEMI, GDZ, etc.

ISC 04 10:19:25.0, 4.5, 6.85S, 132.46E, h0km, mb3.5/1, mb1.3/4, mb1mx3.1/53, mbtmp3.3/3, ML3.2/2, Error ellipse: s-maj=287.5km s-min=33.8km az=75.0

Tanibar Islands region

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

CSEM 04 10:19:51.9, 0.1, 42.09N, 20.85E, h2km, ML3.3, Error ellipse: s-maj=0.0km s-min=2.2km az=36.0

THE 04 10:19:51.6, 42.12N, 20.83E, h0km, 2km, ML2.8/4, Error ellipse: s-maj=2.5km s-min=0.9km az=330.0

SKO 04 10:19:51.6, 42.08N, 20.82E, h15km, M2.5, ML2.8

PDG 04 10:19:52.6, 0.3, 42.11N, 20.81E, h1km, MD3.3/1, ML3.2/9, Error ellipse: s-maj=0.4km s-min=0.5km az=0.0

BE0 04 10:19:53.2, 0.3, 42.11N, 20.87E, h7km, 1km

ISC 04 10:19:52.4, 0.9, 42.09N, 0.01, 20.85E, 0.01, h8km, 7km, n93, c0979/177, 10C-15D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like PRZK, ZATK, SKO, etc.

OHR comp=N, 208nm, 0.5s

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like BARS, BEY, IVA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include Podgorica, Dracevica, Mon, Florina, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include Musuan, Sibulan, Davao City (W), Davao City (E), etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include KURBB, TIXI, BRVK, ARU, etc.

IS/CJB 04 10:40:46.0,6.0,9.91N;0.03x126.15E;0.05,h74km,5km, mb4.1/27, Error ellipse: s-maj=8.7km s-min=3.8km az=159.1

MAN 04 10:40:46.3,9.89N;126.11E,h15km,mb5.3,ML4.3,MS4.5 NEIC 04 10:40:47.3,0.3,9.99N;126.26E,mb4.8, Error ellipse: s-maj=16.9km s-min=7.0km az=79.0

IDC 04 10:40:47.4,0.8,9.85N;125.79E,h65km,7km,mb3.9/19, mb1.4,0/19,mb1mx3.7/6,mbtmp4.2/19,MS4.2/1, Ms1.3.4/21,ms1mx3.2/5, Error ellipse: s-maj=28.1km s-min=11.6km az=78.0

ISC 04 10:40:47.2,0.7,9.90N;0.03x126.06E;0.05,h63km,5km, h63km;P-P,114,c197/112,mb4.2/27,9C-3D,Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include SCBP, SCBP, SCBP, etc.

IS/CJB 04 10:40:46.0,6.0,9.91N;0.03x126.15E;0.05,h74km,5km, mb4.1/27, Error ellipse: s-maj=8.7km s-min=3.8km az=159.1

MAN 04 10:40:46.3,9.89N;126.11E,h15km,mb5.3,ML4.3,MS4.5 NEIC 04 10:40:47.3,0.3,9.99N;126.26E,mb4.8, Error ellipse: s-maj=16.9km s-min=7.0km az=79.0

IDC 04 10:40:47.4,0.8,9.85N;125.79E,h65km,7km,mb3.9/19, mb1.4,0/19,mb1mx3.7/6,mbtmp4.2/19,MS4.2/1, Ms1.3.4/21,ms1mx3.2/5, Error ellipse: s-maj=28.1km s-min=11.6km az=78.0

ISC 04 10:40:47.2,0.7,9.90N;0.03x126.06E;0.05,h63km,5km, h63km;P-P,114,c197/112,mb4.2/27,9C-3D,Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include SCBP, SCBP, SCBP, etc.

IS/CJB 04 10:40:46.0,6.0,9.91N;0.03x126.15E;0.05,h74km,5km, mb4.1/27, Error ellipse: s-maj=8.7km s-min=3.8km az=159.1

MAN 04 10:40:46.3,9.89N;126.11E,h15km,mb5.3,ML4.3,MS4.5 NEIC 04 10:40:47.3,0.3,9.99N;126.26E,mb4.8, Error ellipse: s-maj=16.9km s-min=7.0km az=79.0

IDC 04 10:40:47.4,0.8,9.85N;125.79E,h65km,7km,mb3.9/19, mb1.4,0/19,mb1mx3.7/6,mbtmp4.2/19,MS4.2/1, Ms1.3.4/21,ms1mx3.2/5, Error ellipse: s-maj=28.1km s-min=11.6km az=78.0

ISC 04 10:40:47.2,0.7,9.90N;0.03x126.06E;0.05,h63km,5km, h63km;P-P,114,c197/112,mb4.2/27,9C-3D,Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include SCBP, SCBP, SCBP, etc.

T 2.7390, P1g20.0000, Azm108.0000: N -0.2040, P1g63.0000, Azm245.0000: P -2.5400, P1g17.0000, Azm12.0000: nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s.  
 PGC 04:10:55:39.0, 2.3, 50.65N:130.24W, h10km, ML4.3/4.0, MLsn4.3/3.9, Mw5.0/3.9, 199km west of Pt. Hardy, Bc Vancouver Island, Canada Region  
 NEIC 04:10:55:39.0, 0.0, 65.65N:130.24W, h10km, mb4.6/3.14, Mw5.0(OTT), After OTT.  
 IDC 04:10:55:37.5, 0.6, 50.69N:130.18W, h0km, mb4.3/2.0, mb1.4/4.29, mb1mx4.2/8.1, mbtm4.3/2.8, ML4.0/4.6, MS4.0/5.1, Ms1.1/0.61, ms1.0/0.65, Error ellipse: s-maj=11.2km s-min=8.5km az=64.0  
 MOS 04:10:55:39.4, 1.3, 50.77N:129.94W, h18km, mb4.8/4.2, MS4.0/1.4, Error ellipse: s-maj=10.0km s-min=4.4km az=115.5  
 ISC 04:10:55:41.0, 0.7, 50.78N:104.03W, h23km, km, n888, t134/857, mb4.7/33, MS4.0/5.0, 6C-5D, Vancouver Island region

Code	Station Name	A°	AZ°	Phase ID	Time	Res
HOLB	Holberg	1.22	96	Op	10 56 04	-2.6
HOLB	Holberg	1.22	96	Sn	10 56 16.6	-2.3
HOLB	Holberg	1.22	96	ePn	10 56 00.4	-2.6
HOLB	Holberg	1.22	96	eS	10 56 16.6	-2.3
BPBC	Brooks Peninsula	1.57	112	Pn	10 56 03.9	-4.1
BPBC	Brooks Peninsula	1.57	112	Sn	10 56 03.9	-4.1
BPBC	Brooks Peninsula	1.57	112	ePn	10 56 03.9	-4.1
PACB	Port Alice, BC	1.66	101	Pn	10 56 05.1	-4.0
PHC	Port Hardy	1.66	92	Pn	10 56 06.9	-2.1
PHC	Port Hardy	1.66	92	Sn	10 56 28.1	-1.4
PHC	Port Hardy	1.66	92	ePn	10 56 28.1	-1.4
PHC	Port Hardy	1.66	92	eS	10 56 10.6	-1.1
BBB	269nm, 0.3s, baz=231, slow=8.0, SNR=1409			Sn	10 56 36.4	-0.8
BBB	269nm, 0.3s, baz=300, slow=21, SNR=12			LR	10 56 53.8	
BBB	comp=Z, 778nm, 20.8s, baz=230, slow=38			LR	10 56 53.8	
BBB	Bella Bella	1.85	40	Pn	10 56 10.6	-1.1
MAYB	Maynard	1.86	101	Pn	10 56 09.5	-2.7
MAYB	Maynard	1.86	101	ePn	10 56 09.3	-2.7
TLBC	Telegraph Cove	2.05	95	Pn	10 56 11.4	-3.0
EDB	Eliza Dome	2.08	115	Pn	10 56 10.6	-4.3
EDB	Eliza Dome	2.08	115	ePn	10 56 10.6	-4.3
BNB	Barry Inlet	2.09	330	Pn	10 56 10.3	-4.8
BNB	Barry Inlet	2.09	330	ePn	10 56 10.3	-4.8
ETR	Estevan Point	2.65	121	Pn	10 56 18.5	-4.2
GDR	Gold River	2.75	110	Pn	10 56 21.1	-3.1
DB	Dawson Inlet	2.86	329	Pn	10 56 20.9	-4.7
DIB	Dawson Inlet	2.86	329	ePn	10 56 21.1	-4.5
DIB	Dawson Inlet	2.86	329	eS	10 56 56.5	-2.6
DIB	Dawson Inlet	2.86	329	eS	10 56 21.2	-4.3
H02S1	DAWSON INLET T	2.86	329	Pn	10 56 55.3	-3.9
H02S1	DAWSON INLET T	2.86	329	ePn	10 56 23.5	-3.3
CBB	Campbell River	3.08	102	Pn	10 56 26.6	-2.0
TOFB	Tofino	3.12	120	Pn	10 56 24.4	-4.7
BTB	Buttle Lake	3.19	113	Pn	10 56 27.1	-3.2
MWAB	Mount Washington	3.45	121	Pn	10 56 22.4	-3.3
B012	Ucluelet	3.45	121	Pn	10 56 30.7	-3.0
OZB	Mount Ozzard	3.46	120	Pn	10 56 29.9	-4.0
OZB	Mount Ozzard	3.46	120	ePn	10 56 29.9	-4.0
ALB	Alberni	3.68	112	Pn	10 56 34.2	-4.1
B9Z7	Port Alberni	3.72	105	Pn	10 56 34.3	-2.8
B9Z8	Bamfield	3.72	105	Pn	10 56 34.3	-3.1
TXB	Texada	3.75	120	Pn	10 56 35.6	-2.3
MGB	Mount Grey	3.89	115	Pn	10 56 36.5	-3.4
GHNB	Nanoose	4.02	109	Pn	10 56 38.7	-2.8
SHB	Sechart	4.13	104	Pn	10 56 41.1	-3.1
Y0UB	Youbou, Lake C	4.13	104	Pn	10 56 41.1	-3.0
NLLB	Nanaimo Lost L	4.20	109	Pn	10 56 41.5	-2.4
PFB	Port Renfrew	4.25	119	Pn	10 56 41.8	-3.0
UPRB	Upper Baezaeko	4.25	58	Pn	10 56 40.0	+1.2
B9Z6	Mesachie Lake	4.30	115	Pn	10 56 43.2	-2.1
CCP	Olym-Chaska Pk	4.30	112	Pn	10 56 42.9	-2.6
BPCB	Bare Point	4.50	112	Pn	10 56 46.4	-1.7
WBP	Watts Point	4.52	102	Pn	10 56 47.1	-1.4
BIB	Bowen Island	4.54	105	Pn	10 56 47.2	-1.5
LZB	Mount Lizard	4.58	116	Pn	10 56 47.3	-2.0
W5LR	Whistler	4.59	95	Pn	10 56 48.5	-0.9
GOB3	Galiano Island	4.65	115	Pn	10 56 48.5	-1.5
OFR	Olym-F Res Ctr	4.66	126	Pn	10 56 48.5	-1.7
B009	North Saanich	4.77	114	Pn	10 56 50.4	-1.5
B010	North Saanich	4.77	114	Pn	10 56 49.8	-2.1
PA02	PA02 Ocean	4.77	114	Pn	10 56 49.4	-2.5
PGC	Sidney	4.77	114	Pn	10 56 49.8	-2.0
PGC	Sidney	4.77	114	ePn	10 56 49.8	-2.0
B011	North Saanich	4.77	114	Pn	10 56 49.4	-2.5
PA04	PA04 Cage	4.78	114	Pn	10 56 48.9	-3.0
PA03	PA03 Flammable	4.78	114	Pn	10 56 49.5	-2.3
PA05	PA05 Willingdo	4.78	114	Pn	10 56 49.7	-2.2
SA05	Saturna Island	4.88	112	Pn	10 56 52.3	-1.1
Y012	Yonzales	4.95	112	Pn	10 56 50.3	-2.4
CRA6	Craig	5.05	340	ePn	10 56 52.8	-2.9
OSD	Olympics-Snow	5.09	123	Pn	10 56 54.2	-2.2
MCW	Mount Constitu	5.12	111	Pn	10 56 55.4	-1.3
A04D	Lummi Island	5.18	111	Pn	10 56 55.0	-2.4
A04D	Lummi Island	5.18	111	ePn	10 56 57.4	-0.1
LLBL	Lillooet	5.18	89	Pn	10 56 56.8	-0.8
LLBL	Lillooet	5.18	89	ePn	10 56 56.8	-0.7
NLWA	Neilton Lookou	5.28	128	ePn	10 56 56.3	-2.6
ELN	Elyon Mountain	5.32	106	Pn	10 56 58.3	-2.0
VDB	Vedder Mountai	5.32	106	Pn	10 57 00.3	-0.5
WISH	Wishkah	5.35	123	Pn	10 56 59.9	-2.2
HDW	Hoodsport	5.54	122	Pn	10 57 01.2	-1.4
MBW	Mount Baker	5.63	108	Pn	10 57 03.2	-0.7
MBW	Mount Baker	5.63	108	ePn	10 57 03.1	-0.7
HOPE	Hope	5.79	116	ePn	10 57 03.9	-0.2
SHUK	Shuksan-Mt. Ba	5.74	106	Pn	10 57 05.2	-0.2
B05A	Bryant	5.75	113	Pn	10 57 03.7	-1.6
BEVT	Boeing Everett	5.82	116	ePn	10 57 02.7	-3.6
BEVT	Boeing Everett	5.82	116	Sn	10 57 03.3	-3.3
BEVT	Boeing Everett	5.82	116	eSg	10 58 38.3	+6.8
JCW	Jim Creek	5.88	113	Pn	10 57 05.6	-1.5
JCW	Jim Creek	5.88	113	ePn	10 57 06.4	-0.8
B06A	Marblemount	6.00	109	Pn	10 57 08.1	-0.6
B06A	Marblemount	6.00	109	ePn	10 57 08.1	-0.6
B06A	Marblemount	6.00	109	eS	10 58 18.3	+1.8
E03A	Lebam	6.03	132	Pn	10 57 05.7	-3.4
E03A	Lebam	6.03	132	ePn	10 57 06.6	-2.5
C05A	Toit Reservoir	6.28	116	Pn	10 57 12.7	+0.1
ELW	Echo Lake	6.28	118	Pn	10 57 12.8	+0.2
GPW	Glacier Peak	6.31	111	Pn	10 57 13.1	+0.1
GPW	Glacier Peak	6.38	111	ePn	10 57 13.3	+0.4
D05A	Enumclaw	6.40	121	Pn	10 57 13.4	-0.8
D05A	Enumclaw	6.40	121	ePn	10 57 13.7	-0.6
C06D	Leavenworth	6.62	112	Pn	10 57 16.7	-0.6
F04D	Rainier OR	6.62	132	P	10 57 16.9	-0.4
F04D	Rainier OR	6.62	132	ePn	10 57 16.9	-0.4
FMW	Mount Fremont	6.73	122	Pn	10 57 17.8	-1.1
LONG	Longmire	6.77	123	Pn	10 57 18.7	-0.7
LONG	Longmire	6.77	123	ePn	10 57 18.5	-0.8
LONG	Longmire	6.77	123	eSg	10 57 18.3	-0.8
PANH	Panhandle Gap,	6.79	123	Pn	10 57 19.3	-0.4
PANH	Panhandle Gap,	6.82	128	ePn	10 57 19.8	-0.3
TDL	Tradedollar La	6.82	98	Pn	10 57 20.2	-0.4
PNT	Penticton	6.87	98	Pn	10 57 20.9	-0.9
BLBC	Blue River	6.87	75	Pn	10 57 20.9	-0.9
BLBC	Blue River	6.87	75	eSg	10 57 21.1	-2.0
LVB	Lakeview Peak	6.92	130	ePn	10 57 21.2	-0.4
SOSW	Source of Smit	6.93	128	ePn	10 57 21.4	-0.3
WPW	White Pass	6.94	123	ePn	10 57 21.6	-0.1
ESD	East Dome	6.96	128	ePn	10 57 21.9	-0.2
LTY	Liberty	7.09	116	ePn	10 57 23.2	-0.6
LTY	Liberty	7.09	116	eSg	10 57 23.5	-0.2
TBM	Table Mountain	7.18	117	ePn	10 57 25.8	+0.7
G03D	McMinville, O	7.18	138	P	10 57 24.4	-0.6
G03D	McMinville, O	7.18	138	ePn	10 57 24.4	-0.6
WTV	Waterville	7.28	111	ePn	10 57 26.0	-0.4
EBG	Ebensburg	7.37	103	ePn	10 57 27.3	+0.3
B08A	Colville Reser	7.37	105	Pn	10 57 27.1	-0.4
B08A	Colville Reser	7.37	105	ePn	10 57 27.1	-0.4
MNB	Mounoet Dainar	7.41	74	P	10 57 28.8	+0.4
DLBC	Dease Lake	7.67	0	Pn	10 57 32.8	+1.1

DLBC	baz=289, slow=15, SNR=2.5	Sn	10 59 00.5	+2.5
DLBC	Dease Lake	7.67	0	Pn
DLBC	Dease Lake	7.67	0	ePn
DLBC	Dease Lake	7.67	0	eSg
TDH	Tom, Dick, Har	7.79	132	ePn
E07A	Sunnyside	7.95	138	ePn
G05D	Wamic, OR	8.05	130	P
H04A	Detroit Lake	8.07	136	ePn
D08A	Hollman Farm,	8.21	113	ePn
HAWA	Hanford	8.23	118	ePn
C08A	Chrisman Ranch	8.25	107	Pn
C08A	Chrisman Ranch	8.25	107	ePn
GESE	Geese	8.30	342	ePn
BESE	Bessie Mountai	8.30	342	ePn
F07A	Phinny Hill Vi	8.32	122	ePn
G06A	Carson Farm,	8.39	128	ePn
I03D	Drain, OR	8.42	145	P
E08A	Dider Farm, El	8.44	116	ePn
I04A	Tendick Farm,	8.40	141	Pn
I05D	Terrebonne, OR	8.72	134	P
NEW	Newport	8.77	102	Pn
NEW	Newport	8.77	102	LR
NEW	comp=Z, 3um, 18.4s, baz=284, slow=38	8.77	102	Pn
E09A	Wood Farm, Sta	8.95	114	ePn
FNBB	Fort Nelson	9.08	24	Pn
SKAG	Skagway	9.21	343	ePn
G08A	Pileo Rock	9.23	122	ePn
J04D	Umpqua Nationa	9.28	141	P
PINE	Pine Mountain	9.32	135	ePn
PLBC	Pleasant Camp	9.42	133	ePn
HUMO	Hull Mountain	9.47	147	ePn
J05D	Fort Rock, OR	9.60	138	P
F02A	Cave Junction,	9.69	150	Pn
L10A	Beach Ranch, E	9.78	114	ePn
I07A	Izee	9.78	129	ePn
K04D	Chiloquin, OR	9.94	142	P
K05A	Summer Lake	10.20	139	ePn
WHY	Whitehorse	10.27	347	ePn
WHY	Whitehorse	10.27	347	ePn
BHMT	Big Hole Peak	10.33	102	P
YBH	Yreka Blue Hor	10.37	148	ePn
YBH	Yreka Blue Hor	10.37	148	ePn
BSMT	Bassoo Peak	10.38	100	Pn
PNL	Peninsula	10.38	333	P
BMO	Blue Mountains	10.41	120	ePn
BMO	Blue Mountains	10.41	120	ePn
WALA	Waterloo Lakes	10.54	93	P
WALA	Waterloo Lakes	10.54	93	ePn
EDM	Edmonton	10.57	70	Pn
EDM	Edmonton	10.57	70	ePn
EDM	Edmonton	10.57	70	ePn
M02C	Callahan	10.62	149	P
M04C	Macdoel	10.63	145	P
JTMT	Jette	10.73	100	P
JTMT	Jette	10.73	100	ePn
FYBT	Ferry Basin	10.78	102	P
YUK7	Dusty Glacier	10.78	338	P
Y08A	Circle Bar Ran	10.82	129	ePn
J08A	Yellow Bay	10.86	99	P
YHT	Haines Junctio	10.90	340	ePn
HYT	Haines Junctio	10.90	340	ePn
SWMT	Swartz Lake	11.00	101	P
N02D	Trinity Center	11.05	150	Pn

FFC	Flin Flon	17.38	66	eP	P	10 59 43.4	0.0
TCRU	Three Creeks R	17.39	128	ePn	Pn	10 59 42.7	0.0
TMUT	Trail Mountain	17.52	124	ePn	Pn	10 59 44.2	-0.1
SVW2	Sparrevoorn	17.52	316	eP	P	10 59 44.7	-0.2
PKM	McPherson Peak	17.53	151	P	Pn	10 59 43.7	-0.7
MSU	Marysvale	17.60	127	ePn	P	10 59 45.5	-0.7
MSU	Marysvale	17.60	127	ePn	P	10 59 45.5	-0.7
FYU	Fort Yukon	17.60	340	eP	P	10 59 46.2	+0.4
P17A	Butcher Ranch	17.64	122	eP	P	10 59 47.2	+0.7
INK	Inuvik	17.67	356	P	P	10 59 45.6	-0.8
INK	Inuvik	17.67	356	P	P	10 59 45.6	-0.8
LRMC	Laurel Mtn Rad	17.71	145	P	Pn	10 59 46.0	-0.6
CCUT	Cedar City	17.77	132	ePn	Pn	10 59 46.9	-0.5
P18A	Preston Nutter	17.79	121	ePn	Pn	10 59 48.0	-0.4
Q16A	Castle Valley	18.11	124	ePn	P	10 59 48.0	-0.6
SHPR	Sheep Range	17.82	137	ePn	Pn	10 59 47.7	-0.2
SZCU	Shurtz Canyon	17.87	131	ePn	Pn	10 59 48.3	-0.3
SHOC	Shoshone, Teco	17.88	141	P	Pn	10 59 48.1	-0.4
MTPU	Mount Pierson	17.96	128	ePn	Pn	10 59 48.1	-1.7
SBC	Santa Barbara	17.98	151	P	P	10 59 49.4	-0.7
K22A	Casper	18.00	108	P	Pn	10 59 49.4	-0.7
K22A	Casper	18.00	108	P	Pn	10 59 50.0	-0.1
SRU	San Rafael Swe	18.02	123	eP	P	10 59 50.3	-0.4
SRU	San Rafael Swe	18.02	123	eP	P	10 59 50.3	-0.4
OSI	Oso Audit: C	18.13	149	P	P	10 59 51.3	-0.4
EDW2	Edwards Air Fo	18.14	147	P	Pn	10 59 50.7	-1.0
RWWY	Rawlins	18.16	111	ePn	Pn	10 59 51.5	-0.6
GSC	Goldstone, Bar	18.20	143	P	Pn	10 59 51.0	-1.5
LCMT	Little Creek M	18.26	132	ePn	Pn	10 59 53.0	-0.4
SCZ2	Santa Cruz Isl	18.42	152	P	Pn	10 59 54.6	-0.5
TUQ	Turquoise Moun	18.42	141	P	Pn	10 59 55.2	-0.1
KNB	Kanab	18.46	132	eP	Pn	10 59 55.8	0.0
KNB	Kanab	18.46	132	eP	Pn	10 59 55.8	0.0
BLG	Laguna Peak, P	18.49	150	P	P	10 59 54.8	-0.9
RRX	Edison Barstow	18.50	144	P	P	10 59 55.3	-0.7
O20A	White River Ci	18.56	117	P	P	10 59 56.3	-0.4
O20A	White River Ci	18.56	117	eP	Pn	10 59 57.3	+0.3
DECC	Green Verdugo	18.59	148	P	Pn	10 59 57.0	-0.3
KUKM	Kuglukutuk,NWT	18.62	18	P	Pn	10 59 58.0	+0.7
MWC	Mount Wilson	18.71	148	eP	Pn	10 59 58.8	-0.1
MWC	Mount Wilson	18.71	148	eP	Pn	10 59 58.8	-0.1
PASC	Pasadena Art C	18.72	148	eP	Pn	10 59 58.5	-0.2
RSSD	Black Hills	18.74	101	P	P	10 59 57.4	-1.3
HEC	Hector,Ludlow	18.79	143	P	P	10 59 58.0	-1.2
BFSC	Mount Baldy Ra	19.08	147	P	P	11 00 02.2	-0.3
BBRC	Big Bear Solar	19.08	145	P	P	11 00 02.2	-0.3
SBI	Santa Barbara	19.08	151	eP	P	10 59 56.4	-5.8
GMRC	Granite Mountain	19.10	141	P	Pn	11 00 02.6	-0.9
FMP	Fort Macarthur	19.10	149	P	P	11 00 02.1	-0.3
SNCC	San Nicolas Is	19.14	152	P	Pn	11 00 02.9	-1.0
U15A	North Rim	19.18	132	eP	Pn	11 00 04.1	-0.5
PV09	Paradox Valley	19.21	122	eP	Pn	11 00 04.5	-0.5
COLD	Coldfoot	19.32	336	P	Pn	11 00 08.2	+2.4
COLD	Coldfoot	19.32	336	P	Pn	11 00 05.8	0.0
CIS	Catalina Islan	19.34	149	P	Pn	11 00 05.5	-0.8
PV10	Paradox Valley	19.34	122	eP	Pn	11 00 06.2	-0.3
N23A	Red Feather La	19.40	111	P	P	11 00 05.3	-0.7
N23A	Red Feather La	19.40	111	eP	P	11 00 06.0	0.0
PV04	Paradox Valley	19.41	122	eP	P	11 00 06.2	+0.2
PHWY	Pilot Hill	19.44	110	eP	P	11 00 06.0	-0.4
IM3	Indian Mountai	19.46	330	eP	Pn	11 00 07.4	-0.1
PV07	Paradox Valley	19.51	121	eP	P	11 00 07.3	+0.1
PV05	Paradox Valley	19.53	122	eP	P	11 00 07.8	+0.4
PV03	Paradox Valley	19.54	122	eP	P	11 00 07.2	-0.2
W13A	Hualapai Mount	19.56	137	eP	P	11 00 07.9	+0.2
MURC	Murrieta	19.58	146	P	Pn	11 00 08.5	-0.6
BELC	Belle Mtn, Jos	19.66	143	P	P	11 00 08.7	+0.1
PV15	Paradox Valley	19.67	121	eP	Pn	11 00 08.8	-0.2
SC12	San Clemente I	19.69	150	P	Pn	11 00 09.7	-0.7
PV01	Paradox Valley	19.77	121	eP	P	11 00 09.8	-0.2
PFO	Pinyon Flats O	19.83	145	P	P	11 00 10.5	-0.1
PFO	Pinyon Flats O	19.83	145	eP	P	11 00 10.0	-0.6
PFO	Pinyon Flats O	19.83	145	eP	P	11 00 10.0	-0.6
XPFO	Pison Flat	19.83	145	eP	P	11 00 10.0	-0.6
TPFO	Pinon Flats	19.84	145	P	P	11 00 10.3	-0.4
IRM	Iron Mountain	19.85	141	P	P	11 00 10.8	+0.2
SMCO	Snowmass	19.93	117	eP	P	11 00 12.0	+0.1
MDND	Maddock	19.98	87	P	P	11 00 12.3	+0.3
MDND	Maddock	19.98	87	eP	Pn	11 00 13.0	-0.8
PDMCI	Parker Dam,Lak	20.13	139	P	P	11 00 13.9	+0.2
BC3	Big Chuckwall	20.17	142	P	P	11 00 14.0	-0.3
109C	Camp Elliot, M	20.25	147	P	P	11 00 14.9	-0.1
CPE	Camp Elliot	20.25	147	eP	P	11 00 14.5	-0.5
TOLK	Toolik Lake Re	20.27	339	eP	P	11 00 15.6	-1.4

TOLK	Toolik Lake Re	20.27	339	eP	P	11 00 13.7	-1.2
ISCO	Idaho Springs	20.29	113	P	P	11 00 15.3	-0.4
ISCO	Idaho Springs	20.29	113	eP	P	11 00 15.0	-0.8
ISCO	Idaho Springs	20.29	113	eP	P	11 00 15.0	-0.8
WUAZ	Wupatki	20.36	131	P	P	11 00 15.9	-0.4
WUAZ	Wupatki	20.36	131	eP	P	11 00 16.9	+0.6
Y12C	Blythe	20.45	140	P	P	11 00 17.1	-0.1
Y12C	Blythe	20.45	140	eP	Pn	11 00 18.0	-1.4
MONP2	Monument Peak	20.49	146	P	P	11 00 16.7	-1.1
MVCO	Mesa Verde	20.49	123	P	P	11 00 16.8	-1.1
MVCO	Mesa Verde	20.49	123	eP	P	11 00 17.6	-0.3
BARO	Barrett	20.59	146	eP	P	11 00 19.2	+0.4
SWSC	Sam W. Stewart	20.67	144	P	P	11 00 18.9	-0.6
IKP	In-H-Hah, Jac	20.82	145	P	P	11 00 20.6	-0.7
Y14A	Wickenburg	20.93	137	eP	P	11 00 22.4	0.0
GLA	Glamis	20.95	142	P	P	11 00 22.2	-0.4
GLA	Glamis	20.95	142	eP	P	11 00 22.6	0.0
GLA	Glamis	20.95	142	eP	P	11 00 22.6	0.0
S22A	4UR Ranch, Cre	21.01	119	P	P	11 00 23.5	0.0
S22A	4UR Ranch, Cre	21.01	119	eP	P	11 00 24.4	+0.9
B31A	Greenbush Ranch	21.03	84	P	P	11 00 23.0	-0.3
Q24A	Divide	21.11	114	P	P	11 00 24.5	-0.2
Q24A	Divide	21.11	114	eP	P	11 00 25.1	+0.4
A31A	Linda, St. Vin	21.16	82	P	P	11 00 24.1	-0.6
C31A	Landman Farms	21.19	85	P	P	11 00 24.6	-0.5
X16A	Lo Mia Camp, P	21.23	133	eP	P	11 00 26.0	+0.3
D31A	McMillin, Tow	21.46	87	P	P	11 00 27.4	-0.6
W18A	Petrified Fore	21.47	129	P	P	11 00 28.0	-0.4
W18A	Petrified Fore	21.47	129	eP	P	11 00 28.9	+0.5
E31A	Nome	21.55	89	P	P	11 00 28.3	-0.6
F31A	Hecla	21.60	91	P	P	11 00 28.4	-1.1
A32A	Rocking H Ranch	21.61	82	P	P	11 00 28.9	-0.6
113A	Mohawk Valley,	21.62	140	eP	P	11 00 29.1	-0.6
ULM	Lac du Bonnet	21.62	78	P	P	11 00 28.9	-0.7
ULM	Lac du Bonnet	21.62	78	eP	P	11 00 28.9	-0.7
ULM	Lac du Bonnet	21.62	78	eP	P	11 00 28.8	-0.9
OGNE	Ogallala	21.72	106	P	P	11 00 30.5	-0.4
OGNE	Ogallala	21.72	106	eP	P	11 00 31.3	+0.4
B32A	Ashes, Strandq	21.74	83	P	P	11 00 29.0	-2.0
SDCO	Great Sand Dun	21.75	117	P	P	11 00 31.3	-0.2
SDCO	Great Sand Dun	21.75	117	eP	P	11 00 31.2	-0.2
SUSD	Miller	21.78	95	P	P	11 00 30.5	-0.9
X18A	Snowflake	21.84	130	eP	P	11 00 32.2	-0.1
D32A	Dogwood Acres,	21.88	87	P	P	11 00 31.1	-1.3
G31A	Conde	21.90	92	P	P	11 00 31.7	-1.0
C32A	Crookston	21.94	85	P	P	11 00 32.1	-1.0
FCC	Fort Churchill	21.99	55	P	P	11 00 34.5	+1.0
FCC	Fort Churchill	21.99	55	eP	P	11 00 34.4	+1.0
FCC	Fort Churchill	21.99	55	eP	P	11 00 34.4	+1.0
E32A	Braaten, Kindr	22.05	88	P	P	11 00 33.2	-1.1
H31A	Wolsey	22.07	94	P	P	11 00 34.1	-0.4
AGMN	Agassiz Nation	22.20	83	eP	P	11 00 36.4	+0.5
I31A	Royce, Wessing	22.24	95	P	P	11 00 35.7	-0.7
A33A	Warroad	22.29	81	P	P	11 00 35.5	-1.4
F32A	Veblen	22.31	90	P	P	11 00 35.6	-1.5
G32A	Weber	22.34	92	P	P	11 00 36.2	-1.2
B33A	Robert and Kas	22.38	83	P	P	11 00 37.2	-0.7
C33A	Traill	22.44	84	P	P	11 00 36.9	-1.6
J31A	Geddes	22.48	97	P	P	11 00 37.9	-1.0
KSCO	Kaye Shedlock	22.56	111	P	P	11 00 38.8	-1.2
KSCO	Kaye Shedlock	22.56	111	eP	P	11 00 40.6	+0.6
D33A	AnnSam, Waubun	22.62	86	P	P	11 00 38.7	-1.7
MHTCO	State Highway	22.64	117	eP	P	11 00 41.4	+0.5
H32A	Carlson Farm,	22.71	93	P	P	11 00 40.5	-1.0
214A	Organ Pipe Nat	22.72	139	P	P	11 00 40.4	-1.1











Table with columns: Wra, ID, Name, Az, El, Azimuth, Elevation, P, R, Time, Res. Includes stations like Warramunga Arr, AKTO Aktyubinsk, ASAR Alice Springs, etc.

Table with columns: NVR, Name, Az, El, Azimuth, Elevation, P, R, Time, Res. Includes stations like Neurokopi, NHR Neurokopi, OHR Ohrid, etc.

Table with columns: EKAR, Name, Az, El, Azimuth, Elevation, P, R, Time, Res. Includes stations like Karacaban, EKAR Karacaban, GURO Guroymak-BITLI, etc.

THE 04 13:19:59.5, 43°22'N, 22°09'E, h0km, 2km, ML3.0/1, Error

ellipso: s-maj=3.7km s-min=0.9km az=344.0 CSEM 04 13:20:00.3, 0.1, 43.17N, 22°08'E, h2km, ML3.1, Error

ellipso: s-maj=2.6km s-min=2.3km az=7.0 BEO 04 13:20:00.8, 0.2, 43.16N, 22°05'E, h4km, 1km

PDG 04 13:20:00.6, 0.4, 43.15N, 22°09'E, h16km, 1km, 1/9, Error ellipso: s-maj=0.6km s-min=0.0

SKO 04 13:20:01.3, 43.14N, 22°05'E, h7km, M3.5, ML3.8 ISC 04 13:20:00.5, 1.0, 43.17N, 0°02'-22°08'E, 0.02, h7km, 9km, n142, e1910/217, 28C-30D, Northwestern Balkan

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BARS Barje, ZAPS Zavoj, BOVS Bovan, etc.

Table with columns: HUMR, Name, Az, El, Azimuth, Elevation, P, R, Time, Res. Includes stations like Humele, Brajci-Budva, FRGSL Fruska Gora, etc.

IDC 04 14:05:28.8-1.8, 277N-92.86E, h0km, mb3.6/4, mb1 3.8/6,

mb1mx3.4/6, mbtmp3.7/6, ML3.7, Error ellipse: s-maj=56.5km s-min=25.8km az=50.0, Off west coast of northern Sumatera

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PALK Pallekele, CMAR Chiang Mai Arr, AAK Ala-Archa, etc.

ISC/JB 04 14:17:12.9, 9.0, 2.4, 93N, 122.1, 12E, h113km, 2km, M2.2

h113km, 5km, Error ellipse: s-maj=8.2km s-min=3.4km az=174.2

JMA 04 14:17:12.6, 0.2, 2.4, 92N, 122.1, 12E, h113km, 2km, M2.2 TAP 04 14:17:12.3, 25.02N, 122.14E, h17km, 1km, ML3.1, D

ISC 04 14:17:13.6, 1.7, 24.94N, 107.7, 122.15E, 0.03, h110km, 9km, n41, e065/72, Taiwan region

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like TWB1 Santiao Chiao, TWB2, NTF Tuenghung, etc.

ISC/JB 04 13:55:53.0, 0.6, 38.91N, 0°03'-41'E, 0.03, h2km, 6km,

Error ellipse: s-maj=5.7km s-min=3.9km az=13.9 ISK 04 13:55:53.2, 38.92N, 41°17'E, h8km, ML2.4/5

CSEM 04 13:55:53.7, 0.3, 38.89N, 41.10E, h5km, ML2.4, Error ellipso: s-maj=7.6km s-min=5.9km az=9.0

DDA 04 13:55:54.7, 38.96N, 41°07'E, h7km, ML2.4 ATA 04 13:55:56.9, 1.6, 39.23N, 41°27'E, h29km, 8km, ML2.6, MW3.1

ISC 04 13:55:53.3, 1.1, 38.93N, 0°02'-41'E, 0.02, h9km, 10km, n36, e1934/48, Turkey

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BNGB Bing'li, BINT Bingol, BINT Bingol, etc.

ISC/JB 04 13:55:53.0, 0.6, 38.91N, 0°03'-41'E, 0.03, h2km, 6km,

Error ellipse: s-maj=5.7km s-min=3.9km az=13.9 ISK 04 13:55:53.2, 38.92N, 41°17'E, h8km, ML2.4/5

CSEM 04 13:55:53.7, 0.3, 38.89N, 41.10E, h5km, ML2.4, Error ellipso: s-maj=7.6km s-min=5.9km az=9.0

DDA 04 13:55:54.7, 38.96N, 41°07'E, h7km, ML2.4 ATA 04 13:55:56.9, 1.6, 39.23N, 41°27'E, h29km, 8km, ML2.6, MW3.1

ISC 04 13:55:53.3, 1.1, 38.93N, 0°02'-41'E, 0.02, h9km, 10km, n36, e1934/48, Turkey

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like NACB, YONJ Yonaguni jima, YOI Yonaguni jima, etc.





4d 15h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes data for stations like ENAH, TWC, ENA, EOS1, etc.

ISCJB 04 15:33:13.5, 0.4, 24.67N, 0.02, 122.35E, 0.02, h10km, 3km, Error ellipse: s-maj=4.0km s-min=2.4km az=14.9

2012 MAY

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes data for stations like EOS1, EGS, TWC, etc.

ISCJB 04 15:33:13.7, 1.0, 24.71N, 0.03, 122.31E, 0.02, h15km, 6km, n38, c065/69, Taiwan region

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes data for stations like MNSI, PPI, SSSI, etc.

JMA 04 15:43:43.7, 23.91N, 121.64E, h40km, 1km, M2.8

ISCJB 04 15:43:45.0, 23.94N, 121.71E, 0.01, h35km, Error ellipse: s-maj=2.1km s-min=1.5km az=137.0

TAP 04 15:43:44.9, 23.96N, 121.63E, h37km, ML3.4, B

ISC 04 15:43:45.4, 1.2, 23.94N, 0.02, 121.67E, 0.02, h35km, n73, c0955/146, 1D, Taiwan

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes data for stations like HWA, ENLB, TWL, etc.

ISCJB 04 15:33:13.5, 0.4, 24.67N, 0.02, 122.35E, 0.02, h10km, 3km, Error ellipse: s-maj=4.0km s-min=2.4km az=14.9

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like NSTT Nanjuang, LIOB Emei, EGS baz=320, TCU Taichung, NSY Sany, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like FOCM Fo'sa, FOCM Karaburun, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like FOCM Fo'sa, FOCM Karaburun, etc.

DJA 04 16:15:37.8-0.5,9'S:4.11'5'E, h32km±6km, M3.6/15, ML3.6/15, South of Bali

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

ISC 04 16:17:12.8-68.0,20.57S:177.50E, h0km, mb3.4/3, mb1 3.6/3, mb1mx3.3/4.5, mbtmp3.4/3, Error ellipse: s-maj=1192.0km s-min=156.7km az=81.0, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like STKA Stephens Creek, ASAR Alice Springs, etc.

TEH 04 16:19:01.5, 33.99°N-56.62°E, h10km, ML3.7 CSEM 04 16:19:01.5, 33.99°N-56.62°E, h10km, ML3.7 THR 04 16:19:02.0, 0.4, 34.00°N-56.61°E, h14km, 6km, ML3.6

ISC 04 16:19:02.1-0.9, 34.00°N-0.03-56.66°E-0.04, h10km, Error ellipse: s-maj=5.4km s-min=4.4km az=40.4

ISC 04 16:19:02.1-0.9, 34.00°N-0.03-56.66°E-0.03, h10km, n47, c2529/54, Northern and central Iran

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TABS Tabas, SHRO Shahrood, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ICHK Chekchek, IBAF Bafgh, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like IFIR comp=Z,1,um,0.2s, KHGB Koh Gabri, etc.

IDC 04 16:22:13.5-1.0, 8.10°N-127.72°E, h0km, mb3.9/7, mb1 3.9/9, mb1mx3.6/6.8, mbtmp3.9/9, ML4.1/2, MS4.2/1, Ms1 4.2/1, ms1mx2.6/5.0, Error ellipse: s-maj=43.5km s-min=16.4km az=69.0

ISCJB 04 16:22:28.2-0.6, 7.32°N:0.05-126.69°E:0.08, h138km, 5km, mb3.6/7, Error ellipse: s-maj=12.7km s-min=7.1km az=166.0

MAN 04 16:22:31.7, 7.48°N:126.60°E, h105km, mb5.2, ML4.2, MS4.3

ISC 04 16:22:29.8-0.9, 7.34°N:0.05-126.64°E:0.08, h131km±7km, n20, c1948/27, mb3.9/7, 4C-2D, Mindanao

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MATI Mati, BIPH Bislig, DAV Davao City (W), etc.

BUI 04 16:23:36.1, 1.34°N:89.66°E, h10km, mb4.9/66, mb5.0/47, Ms4.8/64, Ms7.4/4/58

ISCJB 04 16:23:41.5-0.1, 2.02°N:0.02-89.74°E:0.02, h10km, mb4.9/156, MS4.3/66, Error ellipse: s-maj=3.6km s-min=2.3km az=34.2

IDC 04 16:23:41.6-0.4, 2.05°N-89.77°E, h0km, mb4.7/49, mb1 4.8/52, mb1mx4.7/7.1, mbtmp4.7/52, ML4.8/3, MS4.1/38, Ms1 4.1/38, ms1mx4.0/57, Error ellipse: s-maj=11.9km s-min=8.9km az=34.0

NEIC 04 16:23:43.1-0.2, 2.00°N-89.72°E, h10km, mb5.1/52, Error ellipse: s-maj=5.1km s-min=3.5km az=209.0

GCMT 04 16:23:43.1-0.2, 2.02°N-89.74°E, h17km, MW5.1/111, Moment Tensor Solution. s64,c90; s111,c192; Duration: 0 Moment tensor: Scale 10^16Nm; Mr-0.47±.12; Mw-3.10±.10; Ms-3.57±.11; Ms1-4.19±.10; Ms2-2.39±.32; Best double couple: Ms: 83600x10^16 Np1s=201.00000; s77.00000; -1.6.00000; -1.6.00000; Kotsche, Acoph. T: 6.5470, Plg20.0000; Azm64.0000; N-1.4250, Plg70.0000; Azm239.0000; P-5.1240, Plg2.0000; Azm334.0000; Azm339.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

MOS 04 16:23:43.3-1.0, 2.04°N-89.78°E, h24km, mb5.1/70, MS4.2/29 Error ellipse: s-maj=7.2km s-min=4.2km az=111.9

ISC 04 16:23:44.0-4.1, 1.96°N:0.04-89.71°E:0.04, h20km±2km, h20km±2km, n509, c1960/525, mb5.0/163, MS4.3/69, 19C-36D, North Indian Ocean

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BSI Banda Aceh, MLSI Meulaboh, etc.

IASPEI 04 16:04:00.3-0.8, 38.66°N:0.02-26.67°E:0.03, h12km±5km, Error ellipse: s-maj=4.3km s-min=2.9km az=111.2, 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>, <i><b>80</b></i>, 465-472, 2009

ISCJB 04 16:04:00.7-0.4, 38.66°N:0.02-26.66°E:0.04, h9km±4km, Error ellipse: s-maj=5.9km s-min=3.5km az=20.3

DDA 04 16:04:00.5, 38.66°N:26.65°E, h7km, ML2.5, Error ellipse: s-maj=0.5-0.1, 38.64°N:26.66°E, h12km, ML2.0, Error ellipse: s-maj=4.0km s-min=3.1km az=120.0

ISK 04 16:04:00.1, 38.65°N:26.67°E, h11km, ML2.0/4

ISC 04 16:04:00.3-0.8, 38.66°N:0.02-26.67°E:0.03, h12km±5km, n30, c0539/49, Aegean Sea

2012 MAY

4d 16h

Table of astronomical observations for 4d 16h, including columns for object name, coordinates, magnitude, and other parameters.

Table of astronomical observations for 2012 MAY, listing various celestial objects and their characteristics.

Table of astronomical observations for KBL Kabul, providing detailed data for specific observations.



4d 17h

Table with columns: TRPA, SIRR, IGIN, ISAL, IZAR, UZH, KWP, TIKI, MA2, CRVS, STHS, SUW, OJC, MATE, APA, PET, VYHS, FINES, BLY, OKC, MODS, MORC, VRAC, KRLC, BOUS, CONA, DPC, WISS, PERS, KSP, VSS, UPIC, TREC, OBKA, DZM, MOA, GOPC, PRU, MYKA, KBA, GERES, ARCES, KHC, KHC. Each row contains station name, frequency, mode, and other technical details.

2021 MAY

Table with columns: KHC, BRG, ABTA, CLL, MOTA, KEST, FETA, HFS, DAVA, ABSA, CMNH, NOA, NOA, BILL, BILL, BILL, BILL, CTEI, SPTS, TORD, TORD, NVL, NVL, VVND, EKA, EKA, ESCD, QSPA, DAG, DAG, SNA, SNA, KOWA, KOWA, DBIC, BORG, ILAR, YKA, PDAR, NVAR, LPXZ, LPXZ. Each row contains station name, frequency, mode, and other technical details.

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Table with columns: IDC, PMG, WRA, ASAR, STKA, MKAR, TRN, ISCJB, NEIC, RSPR, Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, ISC. Each row contains station name, frequency, mode, and other technical details.

HEL 04 17:07:22.1, 67.10N-20.80E, hOkm, ML2.2, Explosion
NOA 04 17:07:23.0, 9.67, 07N-21.38E, ML2.6
BAE 04 17:07:25.4, 3.9, 67.07N-20.94E, hOkm, ML1.8

ML2.6(NAO), Suspected explosion
ISC 04 17:07:21.7, 0.8, 67.06N, 0.03, 20.93E, 0.03, hOkm, m65,
a=110/88, Sweden

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like PAJU, RATU, KUA, LANU, NIKU, etc., with their respective coordinates and phases.

Table with columns: PGF, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Pioggiaola, Mallorea, ETOS, FRF, CALF, etc., with their respective coordinates and phases.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like EALK, BGF, BGF, AVF, etc., with their respective coordinates and phases.

ISC 04 17:15:52.4, 1.7, 40.61N, 6.60E, hOkm, mb3.3/4, mb1 3.5/9,
mb1mx3.3/69, mbtmp3.4/9, ML3.8/4, MS4.3/1, Mst1 4.3/1,
ms1mx2.5/33, Error ellipse: s-maj=29.0km s-min=26.3km
az=110.0
ISC/BJ 04 17:15:54.0, 5.0, 40.84N, 0.03, 6.21E, 0.03, h10km,
mb3.4/3, MS4.3/1, Error ellipse: s-maj=5.0km s-min=2.7km
az=154.9
LDG 04 17:15:56.9, 0.2, 40.59N, 6.49E, h25km, Md3.3/4, Ml3.5/24,
Error ellipse: s-maj=4.6km s-min=2.8km az=164.0
CSEM 04 17:15:56.8, 0.4, 40.71N, 6.21E, h20km, ML3.6/28, Error
ellipse: s-maj=8.5km s-min=4.2km az=145.0
STR 04 17:16:02.4, 0.7, 41.1N, 5.5E, h30km, M3.7/6, mB4.0/2,
mb4.1/2, MLv3.7/3, MLv3.6/6, (MvB)3.1/2
ISC 04 17:15:52.5, 0.9, 40.67N, 0.04, 6.37E, 0.03, h10km, n110,
a=213/146, mb3.5/3, Western Mediterranean Sea

ISC/BJ 04 17:55:22.5, 0.7, 16.5S, 0.2, 175.7W, 0.1, h350km,
mb3.7/10, Error ellipse: s-maj=27.6km s-min=9.9km
az=148.7

IDC 04 17:55:22.1, 1.4, 16.45S, 175.77W, h327km, 16km,
mb3.5/10, mb1 3.7/11, mb1mx3.3/51, mbtmp4.1/11, Error
ellipse: s-maj=29.0km s-min=13.1km az=139.0

ISC 04 17:55:23.7, 0.8, 16.45S, 0.2, 175.7W, 0.1, h350km, n13,
a=194/114, mb3.7/10, Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like AFI, AFZ, ARU, etc., with their respective coordinates and phases.

IDC 04 17:56:19.0, 0.9, 8.00S, 129.58E, hOkm, mb3.7/5,
mb1 3.9/8, mb1mx3.5/53, mbtmp3.8/8, ML3.5/3, MS2.8/2,
Mst1 2.8/2, ms1mx2.4/48, Error ellipse: s-maj=58.8km
s-min=18.2km az=64.0

ISC 04 17:56:22.7, 1.1, 8.08S, 0.07, 129.9E, 0.2, h35km, n10,
a=208/12, mb3.7/4, Timor Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like SIJI, SURONG, SIJI, etc., with their respective coordinates and phases.

IDC 04 17:58:41.4, 0.5, 24.65S, 177.06W, hOkm, mb4.2/15,
mb1 4.3/5, mb1mx4.1/48, mbtmp4.1/15, ML5.1/1, MS4.2/37,
Mst1 4.2/37, ms1mx4.1/44, Error ellipse: s-maj=23.1km
s-min=17.6km az=99.0
BJJ 04 17:58:44.6, 25.10S, 176.95W, h38km, mb5.0/10, mB5.4/6,
Ms4.8/5, Mst7.4/75
ISC/BJ 04 17:58:46.5, 1.3, 24.72S, 0.04, 177.13W, 0.05,
h43km, 11km, mb4.8/97, MS4.2/36, Error ellipse:
s-maj=8.5km s-min=6.5km az=89.0
GCMT 04 17:58:47.8, 0.2, 24.82S, 176.89W, h15km, MW5.1/103,
Moment Tensor Solution: s50, c76, s103, c158,
Duration: 0 Moment tensor: M=2.63; 14;
M=1.128; 10; M=3.91; 11; M=1.0; 17; 32; M=2.95; 08;



Mu2.06t:32; Best double couple: M=4.73200x1016
NP1=174.00000; s67.00000; lambda=132.00000; NP2:
0.61.00000; s46.00000; lambda=132.00000; Principal axes: T
5.6450, Plg13.0000; Azm293.0000; N -1.8260.
Plg38.0000; Azm193.0000; P -3.8190, Plg50.0000;
Azm38.0000; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s.
NEIC 04 17:58:47.8.0.9.24:69S; 177.10W; 144km, 8km, mb4.9/86
Error ellipse: s-maj=8.5km s-min=5.4km az=132.0
ISC 04 17:58:46.0.0.8.24.66S:0.05; 176.99W:0.07; H29km, 5km,
n226, e1950/196, mb4.9/97, MS4.2/36, 1C, South of Fiji
Islands

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

Table with columns: CMB, Columbia Colle, 81.90, 42, eP, P. Lists seismic events with station names and magnitudes.

Table with columns: BOZ, Bozeman (W), 91.67, 40, eP, P. Lists seismic events with station names and magnitudes.



Table with columns: WHDR, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Woolly Hollow, Santo Domingo, SDV, etc.

Table with columns: BC3, IRM, KNB, BELC, LDFC, XPFO, DPP, PFO, LCMT, GMRC, MTPU, DEVC, P18A, CCUT, MSU, HEC, SPMN, BFSC, TPNV, SRTC, MPMC, R11A, R11A, GRAC, PDAR, PDAR, BRVY, D41A, C35A, MOOV, NV11, NV01, NVAR, NVAR, NVAR, MDPB, B35A, KVN, AGMN, HLID, HLID, WVOR, SAML, O03D, J08A, F10A, H04A, LON, FCC, SCHO, SCHO, SCHO, YKA, YKA, SFJD, BMRF, INK, RES, KLU, HMH, PAX, GHO, ILI, ILAR, OHAK, RND, SUA, MDM, SKT, KTH, BPAW, PPLA, CAST, MLY, SVW2, TOLK, IM3, ARCES, VSL, FINES, KURBB, KSRK, MKAR, LZH, LZH, LZH, CDZ, WRA, ASAR. Includes stations like Big Chuckawall, Iron Mountain, Belle Mtn. Jos, etc.

Table with columns: CMAR, HYB, WEL 04 19:31:41.7, 38°S, 177°E, h39km, ML3.7/14, Off east coast of North Island. Includes stations like Pakhiroa, Te Kaha, Matakaoa Point, etc.

Table with columns: MAN 04 19:33:05.0, 10:17N-123:26E, h12km, mb3.7, ML2.4, MS1.9, 2D, Cebu. Includes stations like Lapu-Lapu, Tagbilaran, Sibulan, etc.

Table with columns: DDA 04 19:36:30.2, 38°69N-43°40E, h7km, ML2.9, ISK 04 19:36:30.5, 38°66N-43°24E, h2km, ML2.6/2, CSEM 04 19:36:31.7, 0.3, 38°69N-43°19E, h10km, ML2.6, Error, ISCJB 04 19:36:32.0, 6, 38°69N-04°43'18E-0.05, h11km, 9km, Error ellipse: s-maj=7.2km s-min=5.5km az=44.1, ISC 04 19:36:31.9, 0.9, 38°67N-0103:43'20E-0.03, h17km, 7km, n20, c170/36, Turkey. Includes stations like Van, Gevas, Bitlis, etc.

ISC 04 19:58:24.8:1.0,2.9N:0.2:89:69E:0.09,h10km,n67,  
+112/61,mb4.2/30,MS3.2/3,North Indian Ocean

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GSI Gunungsitoli, PBA Port Blair, PALK Palteke, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PETK Petropavlovsk, H1N2 WAKE ISLAND, H1N1 WAKE ISLAND, etc.

Bull 04 20:09:25.7:27.56N:95.54E,h12km,mb4.4/33,mb4.5/18,  
ML3.8/5,MS3.8/10,Ms3.7/5.9  
ISCJB 04 20:09:26.7:0.3,2.7:30N:0.03:95:23E:0.02,h53km,4dkm,  
mb4.1/47,MS3.0/7,Error ellipse: s-maj=4.4km  
s-min=3.4km az=163.9

NDI 04 20:09:27.0:2.4:27.37N:95.18E,h18km,14km,ML4.4  
IDC 04 20:09:27.0:0.5,2.7:24N:95.27E,h37km,2km,mb3.7/29,  
Ms1.3/1.8,ms1mx2.6/64,Error ellipse: s-maj=14.3km  
s-min=9.4km az=30.0  
NEIC 04 20:09:28.0:9.2:7.40N:95.40E,h46km,10km,mb4.4/18,  
Error ellipse: s-maj=12.2km s-min=6.3km az=58.0  
NEIC Felt [V] at Dibrugarh and [IV] at Tinsukia. Also felt at  
Nahorkatya.

ISC 04 20:09:27.0:3.2,37.35N:0.04:95:25E:0.03,h39km,3km,  
n118,σ1151/156,mb4.2/47,MS3.0/7,Myanmar-India  
border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like LKP Lekhapani, JORH JORHAT, MOKO MOKOCHONG, etc.

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

DMN Chiang Mai 9.01 274 ePn Pn 20 11 34.4 -1.1  
CHTO Chiang Mai 9.15 157 P Pn 20 11 38.6 +2.4  
CHTO Chiang Mai 9.15 157 ePn Pn 20 11 38.6 +1.4  
CBMT Chiang Mai 9.15 157 P Pn 20 11 38.6 +1.3  
BOK Bokaro 9.16 249 eP Pn 20 11 38.6 -1.5  
BOK Bokaro 9.16 249 eS Sn 20 13 13.4 -5.8  
BOK Bokaro IAML Sn 20 13 19.6

Gorkha 9.43 276 ePn Pn 20 11 40.0 -1.2  
Gorkha 9.43 276 eS Sn 20 13 19.0 -7.0  
Chiang Mai 9.48 158 ePn Pn 20 11 43.3 +1.5  
Chiang Mai 9.48 158 P Pn 20 11 43.1 +1.3

Chiang Mai 9.52 158 ePn Pn 20 11 43.4 +1.1  
Dangsing 10.22 278 ePn Pn 20 11 49.3 -2.8  
Dangsing 10.22 278 eS Sn 20 13 36.2 -3.3

Guyang 10.23 92 eP Pn 20 11 51.8 -0.3  
Guyang 10.23 92 eS Pn 20 12 00.4 +0.6  
Guyang 10.23 92 eS Sn 20 13 45.9 +0.9  
Guyang 10.23 92 eS Sn 20 13 56.5 +2.5

Guyang 10.23 92 eS Sn 20 13 56.5 +2.5  
Guyang 10.23 92 eS Sn 20 13 56.5 +2.5  
Guyang 10.23 92 eS Sn 20 13 56.5 +2.5

Guyang 10.23 92 eS Sn 20 13 56.5 +2.5  
Guyang 10.23 92 eS Sn 20 13 56.5 +2.5  
Guyang 10.23 92 eS Sn 20 13 56.5 +2.5

Koldanda 10.34 275 ePn Pn 20 11 51.1 -2.6  
Koldanda 10.34 275 eS Sn 20 13 40.7 -7.8

Liuzhou 10.89 277 ePn Pn 20 11 58.3 -2.9  
Liuzhou 10.89 277 eS Sn 20 12 10.6  
Liuzhou 10.89 277 eS Sn 20 12 13.5  
Liuzhou 10.89 277 eS Sn 20 12 18.0 +2.4  
Liuzhou 10.89 277 eS Sn 20 14 16.6 +3.0  
Liuzhou 10.89 277 eS Sn 20 14 21.4

Urumqi 17.53 342 eP Pn 20 13 30.1 +0.2  
Urumqi 17.53 342 eS Pn 20 13 33.1 +4.0  
Urumqi 17.53 342 eS Pn 20 13 36.0 -3.7

Urumqi 17.53 342 eS Pn 20 13 36.0 -3.7  
Urumqi 17.53 342 eS Pn 20 13 36.0 -3.7  
Urumqi 17.53 342 eS Pn 20 13 36.0 -3.7

Urumqi 17.53 342 eS Pn 20 13 36.0 -3.7  
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Urumqi 17.53 342 eS Pn 20 13 36.0 -3.7

NIED 04 20:00:00.37:00N:141.30E,h8km,Mv3.5 Best double  
couple: M2.12000:1014 NP1.205:00000:817.00000,  
λ-111.00000°. NP2.204:47.00000:874.00000°,  
λ-84.00000°.

IDC 04 20:00:45.9:4.9,36:62N:141.83E,h0km,mb3.4/3,  
mb1.3/3.6,mb1mx3.2/64,mbmp3.3/6,ML3.1/3,MS3.4/2,  
Ms1.3/4.2,ms1mx2.4/34,Error ellipse: s-maj=93.7km  
s-min=27.5km az=150.0

ISCJB 04 20:00:48.3:1.7,36:99N:0.06:141:58E:0.08,h8km,2gkm,  
mb3.3/3,MS3.2/2,Error ellipse: s-maj=12.0km  
s-min=9.0km az=135.6

JMA 04 20:00:52.0:1.0,36:97N:141.34E,h33km,1km,M3.5  
JMA Felt [J].

ISC 04 20:00:49.7:2.2,36:97N:0.06:141:50E:0.09,h8km,11km,  
n21,σ1161/19,mb3.3/3,Near east coast of eastern  
Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ONAJ Iwakimizuishi, JFK Kawachi, JFH Hitachi, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KBL Kabul, TLY Talaya, KK31 Karatay Arra, etc.

4d 21h

Table of station data for the 4d 21h section, including station names like ZALV, KSRS, JOW, and BVAR, along with their coordinates and other parameters.

ROM 04 20:10:30.2:0.2,46:588N;0:010:9:76E:0:01, h9km, 1km, ML0.9/2
VIE 04 20:10:30.8:0.5,46:59N;9:77E, h9km, 7km, mb 1.0/2, m1.4/4, Error ellipse: s-maj=1.7km s-min=1.5km az=35.0

Table of station data for the SWITZERLAND section, including station names like SCCL, SVAM, and YKA, along with their coordinates and other parameters.

2012 MAY

Table of station data for the 2012 MAY section, including station names like TUE, TUE, TUE, and FUORN, along with their coordinates and other parameters.

MAN 04 20:11:24.6, 16:29N, 119:30E, h9km, mb4.9, ML3.8, MS3.7, Luzon

Table of station data for the MAN section, including station names like BOLP, BOPH, and LUBP, along with their coordinates and other parameters.

IDC 04 20:40:27.6:1.8,0:76N-92:36E, h0km, mb3.7/6, mb1 3.9/8, mb1mx3.6/63, mbtmp3.8/8, ML3.6/2, Error ellipse: s-maj=58.3km s-min=20.5km az=55.0, Off west coast of northern Sumatra

Table of station data for the IDC section, including station names like PALK, CMAR, WRA, and ZALV, along with their coordinates and other parameters.

IDC 04 20:55:41.8:44.0, 16:59S-170:22W, h0km, mb3.9/3, mb1 4.1/3, mb1mx3.6/46, mbtmp3.9/3, Error ellipse: s-maj=873.7km s-min=193.3km az=81.0, Samoa Islands region

Table of station data for the IDC section, including station names like STKA, WRA, and ASAR, along with their coordinates and other parameters.

JMA 04 20:57:06.0:0.1, 38:34N-141:79E, h49km, 1km, M3.5, Near east coast of eastern Honshu

Table of station data for the JMA section, including station names like JIO, OFUJ, and JMM, along with their coordinates and other parameters.

ISCJB 04 20:57:10.2:0.5, 50:25N-18:71E:0:03, h0km, Error ellipse: s-maj=4.8km s-min=2.3km az=16.0

Table of station data for the ISCJB section, including station names like CHZP, OKC, and JYS, along with their coordinates and other parameters.

264

Table of station data for the 264 section, including station names like OJC, MORC, LANS, and NIE, along with their coordinates and other parameters.

NEIC 04 21:03:45.2:0.0, 32:13N-115:22W, h6km, ML2.5(PAS), ML2.7(IEC), After EICX

EICX 04 21:03:45.2:0.5, 32:13N-115:22W, h6km, MD2.5, ML2.7, 3C-4D, California-Baja California border region

Table of station data for the NEIC/EICX section, including station names like EMSC, SGL, COA, and YUH, along with their coordinates and other parameters.

ISCJB 04 21:08:08.9:0.8, 36:53N-10:04:21:43E:0:03, h25km, 6km, Error ellipse: s-maj=2.2km s-min=4.0km az=16.7

ISC 04 21:08:09.9:1.1, 36:60N-10:04:21:45E:0:03, h27km, 8km, n153, s128/179, Southern Greece

Table of station data for the ISCJB/ISC section, including station names like MES2, PYLOS, and KYP, along with their coordinates and other parameters.









Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WBSI Waikabubak, Ende Flores, BANI Baing, etc.

ISCJB 04 22:55:34.9, 0.5, 5.02S; 0.04: 133.66E; 0.05, h33km, mb3.9/10, MS3.2/4, Error ellipse: s-maj=8.0km

NEIC 04 22:55:37.7, 0.5, 5.20S; 133.25E, h35km, mb4.2/2, Error ellipse: s-maj=29.2km s-min=7.8km az=72.0

IDD 04 22:55:37.8, 0.6, 5.31S; 133.11E, h33km, 48km, mb3.7/8, mb1.4/0.12, mb1mx3.7/46, mbtmp4.0/12, ML4.1/4, MS3.3/6, Ms1.3/3.6, ms1mx2.9/45, Error ellipse: s-maj=43.4km

DJA 04 22:55:40.6, 0.7, 4.56S; 133.4E, h13km, 7km, M4.7/11, mb4.4, mB5.1/4, MLV4.9/11, Mw(mB)4.5/4, MwSp.5/1

ISC 04 22:55:37.4, 0.7, 4.94S; 0.06: 133.79E; 0.06, h35km, n30, -25S/32, mb3.9/10, MS3.1/4, Irian Jaya region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KMPI Kaimama, FAKI Fak Fak, RKPI Ransiki, etc.

ISCJB 04 23:04:13.8, 0.5, 8.33S; 0.05: 119.56E; 0.03, h171km, 6km, mb3.8/2, Error ellipse: s-maj=8.3km s-min=5.5km az=7.0

IDD 04 23:04:13.2, 8.0, 8.29S; 119.42E, h156km, 7.4km, mb3.5/3, mb1.3/6.5, mb1mx3.1/54, mbtmp4.0/5, Error ellipse: s-maj=124.8km s-min=24.3km az=60.0

DJA 04 23:04:15.4, 0.4, 8.3S; 12.0E, h155km, 4km, M3.9/12, mb4.0/1, MLV3.8/12

ISC 04 23:04:14.7, 0.9, 8.32S; 0.05: 119.56E; 0.04, h164km, 9km, h16, c085E/24, Flores region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WBSI Waikabubak, PLAI Plampang, BANI Baing, etc.

STKA Stephens Creek 31.13 142 P P 23 10 18.7 +0.7
MKAR Makanchi Array 64.11 332 P P 23 14 29.9 -1.6

CSEM 04 23:21:12.8, 67.82N; 20.19E, h0km, ML1.6, Mining explosion.
HEL 04 23:21:13.3, 0.1, 67.82N; 20.20E, h0km, ML1.4, ML1.6(UPP), Explosion.

UPP 04 23:21:12.8, 0.1, 67.82N; 20.19E, h0km, ML1.6, Sweden

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KUA Kuravaara, RATU Laukkuluspa, NIKU Nikkaluokta, etc.

CSEM 04 23:24:08.1, 0.6, 67.87N; 20.44E, h1km, ML1.8, Error ellipse: s-maj=16.0km s-min=14.9km az=40.0, Mining explosion.

UPP 04 23:24:08.0, 0.2, 67.83N; 20.22E, h0km, ML1.8
HEL 04 23:24:08.7, 0.6, 67.84N; 20.29E, h0km, ML1.8(UPP), Explosion, Sweden

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KUA Kuravaara, RATU Laukkuluspa, NIKU Nikkaluokta, etc.

NEIC 04 23:24:26.8, 0.0, 16.23N; 98.35W, h15km, MD4.1 (MEX), After MEX

MEX 04 23:24:26.8, 0.6, 16.23N; 98.35W, h15km, 49km, MD4.1, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TLIG Tiapa, ACX Acapulco, CAIG El Cayaco, etc.

IDD 04 23:32:46.6, 1.9, 1.68N; 126.78E, h0km, mb3.3/4, mb1.3/5.4, mb1mx3.2/66, mbtmp3.3/4, Error ellipse: s-maj=185.1km s-min=22.4km az=67.0, Northern Ilocos Sea

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

0.2nm, 0.4s, baz=135, slow=6.2, SNR=2.3

MOS 04 23:33:23.7, 1.5, 82.97N; 6.85W, h10km, mb4.3/32, Error ellipse: s-maj=47.1km s-min=6.0km az=93.3
IDC 04 23:33:24.5, 0.6, 83.07N; 5.88W, h0km, mb3.8/20, mb1.4/0.22, mb1mx3.8/75, mbtmp3.8/22, ML4.0/2, MS3.6/46, Ms1.3/7.46, ms1mx3.5/74, Error ellipse: s-maj=17.5km s-min=10.5km az=30.3

ISCJB 04 23:33:24.6, 0.3, 83.08N; 0.04: 6.4W; 0.13, h14km, mb4.1/51, MS3.6/46, Error ellipse: s-maj=5.7km s-min=4.8km az=33.4

NEIC 04 23:33:25.6, 0.3, 83.02N; 6.45W, h10km, mb4.3/11, Error ellipse: s-maj=9.0km s-min=6.4km az=26.0
GCMT 04 23:33:25.5, 0.3, 83.02N; 6.31W, h15km, 1km, MW4.8/75, Moment Tensor Solution. s13, c16; s75, c96; Duration: 0.01; Moment tensor: Scale 10^16Nm; Mr-1.43; 15; Mw0.01±.08; Mw0.14±.10; Mw-1.36±.27; Mw0-0.05±.05; Mw0.95±.19; Best double couple: Ms2.27000; 1016

NF1: 144.00000; 870.00000; -1.12.00000; NP2: 6.14000; 829.00000; 1.44.00000; Principal axes: T 18400, Plg2.00000; Azm251.00000; N: 0.5570; Plg21.00000; Azm152.00000; P: -2.4130, Plg59.00000; Azm23.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

CSEM 04 23:33:25.1, 0.2, 83.09N; 6.19W, h10km, mb4.3/33, Error ellipse: s-maj=8.5km s-min=6.2km az=33.0
IEPN 04 23:33:31.0, 83.21N; 0.51E, h20km, station ZF12 has station magnitude of 3.40

ISC 04 23:33:26.0, 0.4, 83.02N; 0.06: 6.29W; 0.05, h14km, n150, c29.29/134, mb4.2/51, MS3.6/47, 12C-3D, North of Svalbard

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KBS Kingsbay, SPAA Spitsbergen Arr, SPAA Spitsbergen Arr, etc.

TULEG Thule 12.02 273 ePn Pn 23 36 11.8 -4.7
SUMG Summit 12.16 230 iP Pn 23 36 17.0 -1.7
SUMG Summit 12.16 230 ePn Pn 23 36 17.2 -1.5
SUMG Summit 12.16 230 ePn Pn 23 36 17.2 -1.5

KULLO Kullorsuaq 12.33 257 iP Pn 23 36 15.9 -4.8
SCCO Scoresbysund 13.01 204 iP Pn 23 36 32.3 +2.4
SCCO Scoresbysund 13.01 204 eS Pn 23 36 31.1 -2.0
SCO Scoresbysund 13.01 204 ePn Pn 23 36 37.0 -3.5
SCCO Scoresbysund 13.01 204 ePn Pn 23 36 32.0 +2.0

ARCES ARCESS Array B 15.06 135 Pn Pn 23 36 55.6 -2.6
ARCES ARCESS Array B 15.06 135 ePn Pn 23 36 55.6 -2.6
ARCES ARCESS Array B 15.06 135 ePn Pn 23 36 55.6 -2.6

ARCES ARCESS Array B 15.06 135 ePn Pn 23 36 58.0 +0.1
ARCES ARCESS Array B 15.06 135 ePn Pn 23 39 33.1 -1.1
ARCES ARCESS Array B 15.06 135 ePn Pn 23 39 33.1 -1.1

ARCES ARCESS Array B 15.06 135 ePn Pn 23 36 58.1 +0.1
ILULI Ilulissat 16.65 241 ePn Pn 23 37 15.9 -2.5
ILULI Ilulissat 16.65 241 ePn Pn 23 37 15.9 -2.5
RES Resolute Bay 16.75 293 Pn Pn 23 37 13.9 -5.7

LVZ Lovozero 17.51 125f P pmax 23 37 31.0 +0.6
APA Apaitiy 17.71 126f iP Pn 23 37 30.6 -1.0
APA Apaitiy 17.71 126f iP Pn 23 40 42.3

APA comp=2.5, 0nm, 1.0s MLR MLR 23 37 30.6 -1.0
APA comp=2.400nm, 14.0s MLR MLR 23 37 30.6 -1.0
BORG Borgarnes 18.70 200 LR P 23 44 22.5

SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4
SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4
SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4

SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4
SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4
SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4

SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4
SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4
SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4

SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4
SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4
SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4

SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4
SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4
SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4

SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4
SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4
SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4

SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4
SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4
SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4

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SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4
SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4

SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4
SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4
SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4

SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4
SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4
SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4

SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4
SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4
SFJD Kangertussuaq 18.73 239 eP P 23 37 40.3 -3.4



5d 0h

Table with columns: Station, Azimuth, Elevation, Frequency, and other parameters. Includes stations like TIXI, AKBAR, AKTO, RAYN, BRTR, PV05, and TORO.

MEX 05 00:09:53.2±0.7, 18.02N:101.47W, h32km±1.1km, MD3.5, Guerrero

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ZIG, ARIG, MEIG, and PLIG.

IDC 05 00:11:08.9±0.6, 41.18S:91.31W, h0km, mb4.3/13, mb1.4/5/14, mb1mx4.4/33, mbmp4.3/14, ML3.4/1, MS4.4/29, Ms1.4/4/29, ms1mx4.2/40, Error ellipse: s-maj=23.0km s-min=15.9km az=86.0

ISCJB 05 00:11:09.7±0.3, 41.17S:0.05:91.16W±0.06, h10km, mb4.7/66, MS4.5/37, Error ellipse: s-maj=8.1km s-min=6.5km az=33.3

NEIC 05 00:11:11.3±0.3, 41.22S:91.18W, h10km, mb4.9/59, Error ellipse: s-maj=8.6km s-min=6.5km az=203.0

BJJ 05 00:11:11.6, 41.10S:91.10W, h10km, mB4.9/4, Ms5.0/4, Ms7.4/9/4

GCMT 05 00:11:11.3±0.2, 41.16S:91.18W, h12km, MW5.1/103, Moment Tensor Solution. s58, c78; s103 c162; Duration: 0 Moment tensor: Scale 10^16Nm; Mr-3.90±.12; Mw-0.72±.30; Best double couple: M4.94100x10^16 Np1.3±38.00000, s56.00000, -1.13.00000 - NP2: q±176.00000, q±1.00000, -1-60.00000 Principal axes: T 5.4220, P165.00000, Azm65.00000; N 0.96900, P19.00000, Azm332.00000; P -4.4600, P165.00000, Azm176.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 05 00:11:11.0±0.4, 41.20S:008.9121W±0.08, h10km, n265, c0598/238, mb4.9/66, MS4.6/37, Southeast of Easter Island

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PLCA, GO05, ROC1, PEL, RPN, LCO, TRQA, PB01, PB11, MNMC, CPUP, NNAN, LPAZ, ATAH, SIV, HOPE, SAML, RKT, RKT, RKT, ROSC, ROSC, ROSC, VNA3, QSPA, QSPA, VNA1, VNA2, RUSC, SNA5, SNA5, SNA5, SNA5, TBI, TBI, JTS, SDV, SDV, SDV, VNA3, TAOE, PPT2, PPT2, PPT2, PPT2, APG, APG, PCRV, RAR.

2012 MAY

Main station list table with columns: URZ, RPZ, HPIG, MAW, MAW, TXAR, TX31, JCT, 452A, 347A, 351A, 353A, 352A, 245A, 249A, 251A, 254A, 149A, 147A, 148A, 151A, 150A, MNXT, 155A, AF1, LRAL, Z47A, Z49A, Z50A, GOGA, GOGA, Y41A, Y44A, Y49A, Y50A, TUC, TUC, X48A, X39A, MIAR, X49A, 214A, 214A, PLAL, WMOK, W41B, W39A, KMSC, V42A, V40A, V48A, V46A, V39A, V47A, TKL, TKL, TUL1, WVT, U41A, U40A, U39A, U47A, Y14A, X16A, Y12C, TZTN, TZTN, W18A, T42A, T39A, T38A, T46A, T40A, PFO, T48A, BELC, S41A, S40A, S38A, S39A, S42A, CCM.

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Main station list table with columns: CCM, GMRC, T25A, T25A, BFSC, R38A, R41A, R39A, R47A, JSRW, MVCO, MVCO, SDCO, GSC, SBC, IP01, Q42A, Q44A, IP03, Q45A, Q43A, Q41A, SPRD, Q38A, IP04, Q40A, S22A, S22A, Q47A, Q39A, KNB, P40A, SHPR, P42A, P45A, P47A, P38A, P43A, ISA, MPMC, O41A, O40A, CCUT, PV09, TPNV, TPNV, SMC0, ISCO, N40A, N39A, Q16A, N46A, TMUT, P17A, R11A, R11A, M38A, N54A, N54A, NLU, NV11, NV01, NVAR, CMB, DUG, DUG, K36A, BINY, J41A, SPUT, HWUT, DZM, DZM, K22A, I39A, ECSD, ECSD, ORV, BW06, BW06, PD31, PDAR, PDAR, PDAR, REDW.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TPAW Teton Pass, DELO Deloro Mine, LOHW Long Hollow, SADO Sadowa, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SPRD Spring Road, SHPR Sheep Range, SMC0 Snowmass, etc.

DDA 05:00:11:44.8, 38.92N, 43.65E, h15km, ML2.8
ISK 05:00:11:44.9, 38.92N, 43.64E, h14km, ML2.6/5
ISCJB 05:00:11:45.0, 0.6, 38.94N, 0.03, 43.67E, 0.05, h11km, 3km,
Error ellipse: s-maj=6.6km s-min=4.4km az=21.7
ATA 05:00:11:45.0, 0.4, 38.92N, 43.56E, h4km, 7km, ML2.5,
MW2.8

CSEM 05:00:11:45.0, 0.3, 38.93N, 43.66E, h10km, ML2.8, Error
ellipse: s-maj=6.7km s-min=5.3km az=103.0
ISC 05:00:11:44.4, 1.0, 38.91N, 0.03, 43.70E, 0.04, h14km, 6km,
n37, o578/61, Turkey

IDC 05:00:20:11.9, 0.5, 41.21S, 90.89W, h0km, mb4.1/11,
mb1 4.3/12, mb1mx4.1/35, mbtmp4.0/12, ML3.4/1, MS4.1/9,
Ms1 4.1/9, ms1mx3.8/32, Error ellipse: s-maj=22.8km
s-min=16.3km az=96.0
ISCJB 05:00:20:12.0, 0.4, 41.33S, 0.07, 91.4W, 0.1, h10km,
mb4.5/37, MS4.2/9, Error ellipse: s-maj=16.9km
s-min=2.4km az=161.1

NEIC 05:00:20:14.2, 0.4, 41.33S, 91.56W, h10km, mb4.7/31, Error
ellipse: s-maj=15.1km s-min=10.7km az=53.0
GCMT 05:00:20:14.1, 0.3, 41.26S, 91.13W, h15km, 1km, MW5.0/89,
Moment Tensor Solution. s29,c36; s89,c120; Duration:
0 Moment tensor: Scale 10^19Nm; Mr=-3.54; 23;
Mw=0.73±.29; Best double couple: M3.37900x10^16
NP1=339.00000\*, 850.00000\*, -91.00000\*; NP2:
qs 160.00000\*, 840.00000\*, -89.00000\*; Principal axes:
T 3.1630, P165.0000\*, Az=9.0000\*, N 0.4270,
Plg1 0.000\*, Azm339.0000\*, P -3.5900, Plg65.0000\*,
Azm243.0000\*; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s.

ISC 05:00:20:13.5, 0.4, 41.33S, 0.09, 91.0W, 0.1, h10km, n89,
o157/81, mb4.6/37, MS4.2/9, Southeast of Easter Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CHRN Cochran, PLCA Paso Flores, ROC1 El Roble, etc.

IDC 05:00:24:31.9, 0.8, 42.25S, 91.32W, h0km, mb3.5/4,
mb1 3.9/4, mb1mx3.6/35, mbtmp3.5/4, Error ellipse:
s-maj=101.6km s-min=44.3km az=2.0, Southeast of
Easter Island

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

IDC 05:00:27:15.9, 1.2, 41.35S, 91.04W, h0km, mb3.9/7,
mb1 4.1/7, mb1mx3.9/36, mbtmp3.9/7, Error ellipse:
s-maj=39.6km s-min=27.0km az=77.0
ISCJB 05:00:27:16.1, 1.1, 41.4S, 0.2, 91.1W, 0.3, h10km, mb3.9/7,
Error ellipse: s-maj=36.2km s-min=24.3km az=172.3
ISC 05:00:27:17.5, 1.2, 41.4S, 0.2, 91.0W, 0.3, h10km, n13,
o124/9, mb3.9/7, Southeast of Easter Island

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





ZNJK	Zanzjan	4.09	65	ePn	Pn	01 58 14.9 +0.7	IDMV	comp=Z,3um,0.3s	eAMB	AMB	01 59 15.2	GOF	Gofitskoye	10.07 356f	eP	Pn	01 59 37.1 +1.0	
ZNJK	Zanzjan	4.09	65	Pn	Pn	01 58 14.0 -0.2	IDMV	comp=Z,3um,0.3s	eAMB	AMB	01 59 15.2	GOF	Gofitskoye	10.07 356f	eP	Pn	01 59 37.1 +1.0	
CLDR	Caldiran	4.13 358	ePG	Pn	Pn	01 58 12.8 -2.0	IDMV	Damavand	6.52 83	Pn	Pn	01 58 49.5 +1.8	ANN	Anapa	11.03 334	eP	Pn	01 59 50.4 +1.2
CLDR	Caldiran	4.13 358	iP	Pn	Pn	01 58 13.4 -1.4	IDMV	Damavand	6.52 83	ePn	Pn	01 58 49.5 +1.8	ANN	Anapa	11.03 334	eP	Pn	01 59 50.4 +1.2
CLDR	Caldiran	4.13 358	eS	Pn	Pn	01 59 21.4 -2.8	TOTH	TOTAH	6.55 258	eS	S	02 00 02.0 -0.7	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
CLDR	Caldiran	4.13 358	iP	Pn	Pn	01 58 17.6 +2.5	TOTH	TOTAH	6.55 258	eS	S	02 00 02.0 -0.7	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
HAGD	Aghdareh	4.16 91	eAMB	AMB	AMB	01 59 35.5	TOTH	TOTAH	6.55 258	eS	S	02 00 02.0 -0.7	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
HAGD	Aghdareh	4.16 91	ePn	Pn	Pn	01 58 17.6 +2.5	TOTH	TOTAH	6.55 258	eS	S	02 00 02.0 -0.7	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
HAGD	Aghdareh	4.31 15	lP	Pn	Pn	01 58 17.6 +0.7	TOTH	TOTAH	6.55 258	eS	S	02 00 02.0 -0.7	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
NAX	Nassriya	4.34 156	ePn	Pn	Pn	01 59 10.1 +2.6	EPOS	Posof	6.58 351	eP	Pn	01 58 47.8 -0.5	ANN	Anapa	11.03 334	eP	Pn	01 59 50.4 +1.2
NSR	Nassriya	4.34 156	eSn	Pn	Pn	01 58 21.0 +3.6	CHOL	Cayelli-Rizef	6.62 38	ePG	Pn	01 58 53.5 +4.7	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
NSR	Nassriya	4.34 156	eSn	Pn	Pn	01 59 11.0 +3.0	CHOL	Cayelli-Rizef	6.62 38	ePG	Pn	01 58 49.1 +0.3	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
MAKU	Maku	4.37 6	Pn	Pn	Pn	01 58 17.0 -1.0	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
MAKU	Maku	4.37 6	Pn	Pn	Pn	01 58 17.3 -0.7	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
MAKU	Maku	4.37 6	ePn	Pn	Pn	01 58 17.0 -1.0	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
TUTA	Tutak	4.51 347	eP	Pn	Pn	01 58 32.9 +1.5	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
TUTA	Tutak	4.51 347	iP	Pn	Pn	01 58 19.2 -0.7	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
TUTA	Tutak	4.51 347	eP	Pn	Pn	01 58 19.2 -0.7	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
HANI	Diyarbakir_Han	4.51 320	iP	Pn	Pn	01 58 18.5 -1.3	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
HANI	Diyarbakir_Han	4.51 320	Pn	Pn	Pn	01 58 18.5 -1.3	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
EKAR	Karacaban	4.54 340	eP	Pb	Pb	01 58 33.2 +1.9	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
EKAR	Karacaban	4.54 340	Pn	Pn	Pn	01 58 18.9 -3.0	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
EKAR	Karacaban	4.54 340	Pn	Pn	Pn	01 58 19.3 -1.1	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
DYDN	Diyadin	4.54 356	eP	Pb	Pb	01 58 29.4 -2.0	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
DYDN	Diyadin	4.54 356	eP	Pb	Pb	01 58 35.1 +3.8	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
AGRB	Hanur-Agry	4.65 350	ePG	Pb	Pb	01 58 31.3 -1.8	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
AGRB	Hanur-Agry	4.65 350	ePG	Pb	Pb	01 58 33.4 -3.0	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
VMTB	Varto-Mus	4.83 327	ePG	Pn	Pn	01 58 21.1 -3.1	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
BNGB	Bing'ing	4.86 360	eP	Pn	Pn	01 58 24.5 -0.1	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
IGDI	IGDIR	4.86 360	eP	Pn	Pn	01 58 24.5 -0.1	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
SHGR	Shooshtar-Gavs	4.88 125	ePn	Pn	Pn	01 58 26.0 +1.2	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
SHGR	Shooshtar-Gavs	4.88 125	ePn	Pn	Pn	01 58 26.8 +1.9	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
SHGR	Shooshtar-Gavs	4.88 125	ePn	Pn	Pn	01 59 41.1	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
SHGR	Shooshtar-Gavs	4.88 125	ePn	Pn	Pn	01 58 26.0 +1.2	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
URFA	Urfa	4.90 301	ePG	Pn	Pn	01 58 23.9 -1.3	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
ASAO	Ashtian	4.91 94	Pn	Pn	Pn	01 58 27.0 +1.5	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
ASAO	Ashtian	4.91 94	Pn	Pn	Pn	01 58 27.7 +2.2	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
ASAO	Ashtian	4.91 94	Pn	Pn	Pn	01 58 27.7 +1.1	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
TABS	TASBURUN-IGDIR	4.97 1	ePG	Pn	Pn	01 58 28.9 +2.7	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
LRK	Lark	4.98 42	lP	Pn	Pn	01 58 26.0 -0.4	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
LRK	Lark	4.98 42	lP	Pn	Pn	01 59 24.8 +0.6	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
LRK	Lark	4.98 42	lP	Pn	Pn	01 58 24.8 +1.5	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
EATA	Eleskirt	5.01 346	eP	Pn	Pn	01 58 40.0 +3.6	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
EATA	Eleskirt	5.01 346	iP	Pb	Pb	01 58 28.0 +1.1	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
KHMZ	Khomeyn	5.02 103	Pn	Pn	Pn	01 58 28.4 +1.5	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
KHMZ	Khomeyn	5.02 103	ePn	Pn	Pn	01 58 28.0 +1.1	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
KHMZ	Khomeyn	5.02 103	Pn	Pn	Pn	01 58 27.1 -1.0	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
SVRC	SVIRCE-ELAZID	5.11 213	ePG	Pn	Pn	01 58 27.1 -1.0	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
SLMH	Al Salmeh	5.15 285	eP	Pn	Pn	01 59 30.2 +1.9	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
SLMH	Al Salmeh	5.15 285	eP	Pn	Pn	02 00 04.4	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
SLMH	Al Salmeh	5.15 285	eP	Pn	Pn	02 00 04.4	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
SLMH	Al Salmeh	5.15 285	eP	Pn	Pn	02 00 04.4	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
GNI	Garni	5.16 6	Pn	Pn	Pn	02 00 16.1	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
GNI	Garni	5.16 6	Pn	Pn	Pn	01 58 30.3 +1.5	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
GNI	Garni	5.16 6	Pn	Pn	Pn	01 58 44.0 +2.1	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
GNI	Garni	5.16 6	Pn	Pn	Pn	01 59 27.5 -1.1	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
GNI	Garni	5.16 6	Pn	Pn	Pn	02 00 03.1	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
GNI	Garni	5.16 6	Pn	Pn	Pn	02 00 03.1	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
GNI	Garni	5.16 6	Pn	Pn	Pn	02 00 46.9	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
GNI	Garni	5.16 6	Pn	Pn	Pn	01 58 29.4 +0.5	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
GNI	Garni	5.16 6	Pn	Pn	Pn	01 58 40.8 -1.0	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
GNI	Garni	5.16 6	Pn	Pn	Pn	01 58 47.8 -2.5	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
GNI	Garni	5.16 6	Pn	Pn	Pn	01 58 47.8 -2.5	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
GNI	Garni	5.16 6	Pn	Pn	Pn	01 58 47.8 -2.5	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
GNI	Garni	5.16 6	Pn	Pn	Pn	01 58 47.8 -2.5	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
GNI	Garni	5.16 6	Pn	Pn	Pn	01 58 47.8 -2.5	ASF	Jabal al Asfar	6.63 247	Pn	Pn	01 58 49.1 +0.1	ANN	Anapa	11.03 334	eS	Pn	02 01 51.3 -1.3
GNI	Garni	5.16																



comp=Z,0.6nm,0.9s,baz=316,slow=4.7,SNR=2.5

ISCJB 05 02:05:32.0, 1.2, 30.78S, 0.04:71.8W, 0.1, h35km, Error ellipse: s-maj=14.6km s-min=4.7km az=11.1

GUA 05 02:05:32.0, 0.6, 30.74S, 71.41W, h7km, 13km, ML4.0

ISC 05 02:05:38.6, 1.1, 30.83S, 70.87W, h76km, 10km, ML3.6, MW3.8

ISC 05 02:31.6, 1.7, 30.76S, 0.04:71.69W, 0.10, h35km, n24, r1527/29, ID, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Tololo Observa, Tololo Astrono, Las Campanas, AROD Rodeo, etc.

IDC 05 02:05:49.5, 1.2, 14.22N, 92.92W, h0km, mb4.0/13, mb1 4.2/15, mb1mx3.9/54, mbtmp4.0/15, ML3.7/2, MS3.4/13, Ms1 3.4/13, ms1mx3.1/48, Error ellipse: s-maj=36.9km s-min=16.7km az=35.0

NEIC 05 02:05:51.8, 0.6, 14.22N, 92.99W, h10km, mb4.2/28, MD4.3(MEX), Error ellipse: s-maj=12.6km s-min=6.7km az=213.0

MEX 05 02:05:52.0, 0.5, 14.02N, 93.32W, h16km, 61km, MD4.3

ISCJB 05 02:05:53.2, 1.2, 14.16N, 0.06:93.11W, 0.06, h34km, 9km, mb4.2/39, MS3.5/11, Error ellipse: s-maj=12.7km s-min=6.9km az=40.5

ISC 05 02:05:55.0, 1.0, 14.27N, 0.06:93.03W, 0.05, h32km, 6km, n81, r1597/88, mb4.2/38, MS3.5/11, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like THIG, PCIG, CCIG, TGIG, APG, etc.

APG 4.8nm, 0.3s, baz=285, slow=7.2, SNR=27

APG 15nm, 0.3s, baz=335, slow=13, SNR=57

APG comp=Z, 306nm, 19.8s, baz=273, slow=44

CMIG Matias Romero 3.32 328 Pn

CMIG 8.9nm, 0.3s, baz=160, slow=14, SNR=72

CMIG 11nm, 0.3s, baz=80, slow=18, SNR=67

TLIG Tiapa 6.25 302 ePn

TLIG 0.7nm, 0.3s, baz=334, slow=19, SNR=31

JTS JuntasAbangare 8.83 116 Pn

JTS 0.1nm, 0.3s, baz=12, slow=20, SNR=3.4

JTS JuntasAbangare 8.83 116 ePn

JTS Hockley 15.82 351 ePn

JCT Junction City 17.30 340 ePn

TXAR Lajitas Array 17.93 328 P

0.0nm, 0.3s, baz=153, slow=11, SNR=17

TX31 Lajitas Ar. Si 17.93 328 ePn

LPJG La Paz 19.00 304 LR

comp=Z, 43nm, 20.3s, baz=246, slow=34

MIAR Mount Ida 20.19 359 eP

8.9nm, 0.9s

MNTX Cornudas Mount 20.71 329 eP

0.2 nm, 0.8s

GOGA Godfrey 20.25 23 eP

6.3nm, 1.0s

RUSC La Rusia 21.32 111 eP

4.7nm, 1.2s

MSX Muleshoe 21.51 337 eP

6.9nm, 0.8s

SDV Santo Domingo 22.58 101 P

4.9nm, 0.7s, baz=273, slow=11, SNR=8.4

SDV Santo Domingo 22.58 101 eP

6.3nm, 0.9s

121A Cookes Peak, D 22.62 326 eP

12nm, 0.9s

319A Douglas 22.62 322 eP

7.8nm, 0.9s

TKL Tuckaleechee C 22.86 20 LR

comp=Z, 78nm, 19.1s, baz=204, slow=41

BNM Barren Site 23.31 330 eP

CCM Cathedral Cave 23.74 4 eP

4.4nm, 0.8s

LAZ Lador 23.76 330 eP

ANMO Albuquerque 23.88 332 eP

3.3nm, 1.1s

TUC Tucson 24.19 321 eP

9.3nm, 1.4s

T25A Trinidad 24.93 338 eP

4.4nm, 0.9s

MHTCO State Highway 25.03 338 eP

6.9nm, 0.8s

SDCO Great Sand Dun 25.87 337 eP

0.2 nm, 0.8s

WUJZ Wupatki 26.82 325 eP

2.0nm, 0.4s

PDAR Pinedale Array 31.77 337 P

0.4nm, 0.7s, baz=144, slow=6.4, SNR=2.8

PDAR comp=Z, 49nm, 18.6s, baz=132, slow=41

RDWR Red Top Meadow 32.78 336 eP

3.6nm, 0.9s

Main table with columns: SNOW, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Mina Array Bea, Teton Pass, GCMT Greyhills, etc.

IDC 05 02:12:01.7, 13.0, 14.92S, 172.41W, h0km, mb4.0/3, mb1 4.2/3, mb1mx3.6/56, mbtmp4.0/3, Error ellipse: s-maj=438.9km s-min=68.8km az=126.0, Samoa Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like WRA Warramunga Arr, ASAR Alice Springs, SONM Soringo Array, etc.

IDC 05 02:13:12.8, 1.6, 1.98N, 127.07E, h0km, mb4.0/5, mb1 4.2/5, mb1mx3.6/4, mbtmp4.0/5, MS3.5/3, Ms1 3.5/3, ms1mx2.7/53, Error ellipse: s-maj=166.7km s-min=19.4km az=66.0, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, etc.

IDC 05 02:29:36.0, 0.8, 43.51N, 82.47E, h0km, mb3.7/12, mb1 3.8/19, mb1mx3.6/75, mbtmp3.6/19, ML3.1/7, MS2.9/2, Ms1 2.9/2, ms1mx2.3/72, Error ellipse: s-maj=14.2km s-min=10.3km az=87.0

NMC 05 02:29:42.6, 1.0, 43.64N, 82.43E, h20km, 3km, mb4.0, mpv3.7, Error ellipse: s-maj=9.5km s-min=2.8km az=127.0

BUI 05 02:29:42.0, 43.66N, 82.35E, h6km, ML3.6/10

SOME 05 02:29:43.1, 43.70N, 82.17E, h20km

ISC 05 02:38.4, 0.6, 43.59N, 82.39E, 0.03, h10km, n54, r2528/33, mb3.6/12, 18C-12D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like KTMS Ketmen, DJR Jarkent, PDGK Podgornoye, etc.

Main table with columns: Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Baschi, Saty, Makanchi Array, etc.







Table with columns: Station, Name, Time, Az, El, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details. Includes stations like KCSI, GSI, DGPR, SKHT, PSI, etc.

Table with columns: Station, Name, Time, Az, El, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details. Includes stations like LZH, XAN, KSH, QZH, etc.

Table with columns: Station, Name, Time, Az, El, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details. Includes stations like HHC, HHC, HHC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MJAR, JHJ, BOD, GUMO, ANN, BR131, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ARCES, CLC, KEST, HFS, NOA, TAM, DZM, etc.

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

Table with columns: ID, Name, Time, Res, and various codes. Includes entries like 5d 5h, IMHD, GHRV, SHRO, etc.

2012 MAY

Main table with columns: Code, Station Name, Time, Res, and various codes. Includes entries like KURBB, KURK, BUR0A, etc.

Table with columns: WRAB, WRA, ASAR, HFS, AFR, INK, YKA, FRB. Includes station names and coordinates.

IDD 05 04:55:52.6, 0.23, 32N, 141.197E, h0km, mb3.7/8, m1 3.0/10, m1mx2.6/7.0, mbtmp3.7/10, ML3.7/2, MS3.0/3, Ms1 3.0/5, m1mx2.5/6.0, Error ellipse: s-maj=27.5km, s-min=19.1km az=88.0

Table with columns: Code, Station Name, Time, Res, and various codes. Includes entries like JCJ, KRSR, DAV, H1N1, etc.

DJA 05 04:59:07.8, 8.8 S, 5.107E, h27km, 5km, M3.6/9, MLV3.6/9, Jawa

Table with columns: Code, Station Name, Time, Res, and various codes. Includes entries like CISI, CMJ, LEIM, SKJI, etc.

ISCJ 05 05:05:14.0, 0.7, 29.71S, 0.05, 137.73E, 0.08, h10km, Error ellipse: s-maj=10.6km s-min=6.1km az=161.1

AUST 05 05:16.2, 0.0, 29.79S, 137.78E, h10km, Error ellipse: s-maj=0.3km s-min=0.1km az=358.0

IDD 05 05:19.2, 2.7, 29.23S, 138.85E, h0km, mb1 3.0/3, m1mx2.9/4.2, mbtmp2.7/3, ML2.5/3, Error ellipse: s-maj=154.5km s-min=24.0km az=52.0

ISC 05 05:16.1, 1.0, 29.75S, 0.06, 137.78E, 0.07, h10km, n8, 25.2/13, South Australia

Table with columns: Code, Station Name, Time, Res, and various codes. Includes entries like BB00, HTT, HTT, STKA, etc.

IDD 05 05:28:14.0, 0.2, 65.36N, 111.41E, h0km, mb3.2/4, m1 3.5/5, m1mx3.3/7.6, mbtmp3.4/5, ML2.6/1, Error ellipse: s-maj=181.2km s-min=21.3km az=139.0

Table with columns: Code, Station Name, Time, Res, and various codes. Includes entries like TIXI, ZALV, KURBB, etc.

DDA 05 05:38:45.9, 39.11N, 29.12E, h7km, ML2.7, CSEM 05 05:38:46.0, 0.1, 39.11N, 29.13E, h5km, ML2.6, Error ellipse: s-maj=2.8km s-min=2.3km az=141.0









5d 8h

Table listing station information for the 5d 8h period, including station name, code, time, and frequency.

JMA 05 07:34:39.5,35:83N:136:21E, h12km, M2.6, Western

Table listing station information for the JMA event, including station name, code, time, and frequency.

DDA 05 07:41:56.8, 41.56N, 43.28E, h7km, M2.9
CSEM 05 07:41:57.5, 0.2, 41.57N, 43.26E, h8km, ML2.1, Error ellipse: s-maj=3.7km s-min=2.6km az=164.0

ISC/JB 05 07:41:58.0, 41.63N, 43.34E, h18km, 1km

ISC/JB 05 07:41:57.9, 0.9, 41.57N, 43.27E, 0.02, h14km, 7km, n25, c08150, Turkey-Georgia-Armenia border region

Table listing station information for the ISC/JB event, including station name, code, time, and frequency.

2012 MAY

ISC/JB 05 07:57:08.7, 0.5, 60.44S, 0.05, 44.2W, 0.1, h10km, mb4.3/1.4, MS3.5/6, Error ellipse: s-maj=9.5km s-min=6.8km az=149.5

IDC 05 07:57:08.2, 0.8, 60.48S, 44.43W, h0km, ML3.1/1.7, mb1.4/1.8, mb1mx3.9/36, mbtmp4.1/8, ML3.5/1, MS3.5/6, Ms1.3/5.6, ms1mx3.2/27, Error ellipse: s-maj=34.7km s-min=18.7km az=53.0

NEIC 05 07:57:09.0, 0.3, 60.48S, 44.43W, h10km, mb4.6/1.0, Error ellipse: s-maj=14.2km s-min=9.4km az=218.0

ISC 05 07:57:09.6, 0.5, 60.56S, 44.07, 44.17W, 0.09, h10km, n76, r1541/69, mb4.5/1.4, MS3.4/6, Scotia Sea

Main table listing station information for the 2012 MAY period, including station name, code, time, and frequency.

Table listing station information for the 2012 MAY period, including station name, code, time, and frequency.

ISC/JB 05 08:11:59.9, 0.2, 35.42N, 0.02, 140.88E, 0.03, h33km

mb4.1/105, MS3.6/31, Error ellipse: s-maj=4.0km s-min=3.3km az=31.2

NIED 05 08:12:00.35, 50N, 141.10E, h35km, Mw4.6, Best double couple: Mb8.06000x1015 NPl1:0.176, 0.000000, 813.000000, 7.138, 0.000000, NP2:0.308, 0.000000, 882.000000, 1.81, 0.000000

MOS 05 08:12:01.4, 1.1, 35.42N, 140.79E, h50km, mb4.5/45, Error ellipse: s-maj=8.4km s-min=5.9km az=109.5

JMA 05 08:12:03.0, 0.1, 35.53N, 140.95E, h4km, 1km, M4.4

Grandband fault; Pacific SW; NP1: 0.311, 0.000000; 870.000000; 1.13, 0.000000; NP2: 0.311, 0.000000; 830.000000; 1.44, 0.000000; Principal axes: T Plg59.000000; Azm283.000000; N Plg21.000000; Azm153.000000; P Plg222.000000; Azm54.000000

JMA Felt II

BJI 05 08:12:02.5, 35:32N-140:58E, h47km, mb4.7/30, mb4.7/14, Ms4.1/18, Ms7.3/9/13

NEIC 05 08:12:03.3, 0.5, 35.41N, 140.77E, h48km, 5km, mb4.4/6/1, Error ellipse: s-maj=4.5km s-min=3.5km az=116.0

NEIC Recorded [2 JMA] in China

IDC 05 08:12:03.2, 1.7, 35.45N, 140.76E, h49km, 16km, mb3.9/28, mb1.4/13, mb1mx4.0/68, mbtmp4.2/33, ML3.5/5, MS3.6/31, Ms1.3/6/31, ms1mx3.4/67, Error ellipse: s-maj=14.7km s-min=10.8km az=94.0

ISC 05 08:12:01.2, 0.3, 35.44N, 0.03, 140.96E, 0.04, h33km, n235, r180/235, mb4.3/105, MS3.6/31, 7C-6D, Near east coast of eastern Honshu

Table listing station information for the 2012 MAY period, including station name, code, time, and frequency.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like ASAJ, ASAHIKAWA, SHIKOTA, KOREA ARRAY, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like CD2, DAV, BILL, TIXI, CMAR, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like MNAS, MANAS, SUFI-KURGAN, BALM, etc.

2012 MAY

Table with columns: PDAR, Pinedale Array, BUR04, BRTR, BRTR, MLR, P17A, KNB, KNB, RAYN, VYHS, VYHS, PV10, CLL, CLL, MML, KHC, KHC, LBZ, GERES, EKA, EKA, ECSD, TX31, TXAR, KEST, TORD, TORD, SAML, SAML, LPAZ, MNCM, PB11

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

Table with columns: IPIL, Odiangan, Musaban, Cotabato-PC H, ENPP, TGY, CMAR, CMAR, KMSR, WRA, ASAR, SONM, TLY, MKAR, ZALV, AAK, KURBB, TIXI, YKA

ISCJB 05 08:17:24.0-0.9,36.8N,101.141.4E,0.1,h10km,mb3.5/6, Error ellipse: s-maj=20.4km s-min=14.7km az=162.0

IDC 05 08:17:24.0-0.9,36.82N,141.30E,h0km,mb3.4/6, mb1 3.6/7, mb1mx3.4/67, mbtmp3.4/7, ML2.5/1, Error ellipse: s-maj=22.9km s-min=15.4km az=165.0

ISC 05 08:17:26.4-1.1,36.8N,102.141.28E,0.09,h10km,n14, r1503/10,mb3.5/6, Near east coast of eastern Honshu

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

MEX 05 08:24:19.3-0.6,14.05N,93.31W,h16km,220km,MD3.6, Near coast of Chiapas

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

MAN 05 08:27:22.1,10.03N,123.22E,h1km,mb4.2,ML3.0,MS2.7, 1C-2D, Cebu

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

MAN 05 08:29:42.1,8.83N,124.34E,h3km,mb4.0,ML2.8,MS2.4, 4C-3D, Mindanao

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

ISCJB 05 08:30:31.2-1.0,0.3S,0.1,91.8E,0.1,h10km,mb3.7/8, MS3.3/6, Error ellipse: s-maj=22.1km s-min=13.5km az=28.4

IDC 05 08:30:31.9-1.2,0.31S,91.84E,h0km,mb3.6/8, mb1 3.8/10, mb1mx3.6/70, mbtmp3.7/10, MS3.3/8, Ms1 3.3/8, ms1mx2.9/62, Error ellipse: s-maj=37.2km s-min=20.4km az=45.0

IDC 05 08:36:09.9-1.8,19.09S,176.45W,h0km,mb3.6/8, mb1 4.1/6, mb1mx3.7/46, mbtmp3.8/6, MS3.7/16, Ms1 3.7/16, ms1mx3.5/44, Error ellipse: s-maj=114.6km s-min=22.0km az=150.0, Fiji Islands region

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

MEX 05 08:43:06.8-0.4,14.69N,93.34W,h36km,32km,MD3.7, Near coast of Chiapas

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

MAN 05 08:45:41.6,10.14N,123.27E,h3km,mb4.9,ML3.8,MS3.8, MS3.8/10, MS3.1/3, Error ellipse: s-maj=5.2km s-min=4.6km az=172.8

IDC 05 08:45:59.7-10.0,9.93N,123.21E,h170km,106km, mb3.4/10, mb1 3.5/10, mb1mx3.2/68, mbtmp3.8/10, MS3.1/5, Ms1 3.1/5, ms1mx2.8/34, Error ellipse: s-maj=34.5km s-min=14.3km az=62.6

ISC 05 08:45:42.5-1.3,10.09N,0.03,123.32E,0.03,h10km,qkm, n30, r1529/37,mb3.7/10, MS3.2/3, 6C-2D, Cebu

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

ATA 05 08:50:40.1-1.2,38.68N,43.42E,h24km,21km,ML3.1, MW3.1

ISK 05 08:50:41.7,38.71N,43.19E,h10km,ML2.7/2

ISCJB 05 08:50:43.4-0.4,38.74N,10.03,43.21E,0.03,h7km,5km, Error ellipse: s-maj=4.8km s-min=4.3km az=41.1

CSEM 05 08:50:43.0-0.2,38.74N,43.18E,h2km,ML2.7, Error ellipse: s-maj=4.8km s-min=4.5km az=123.0

DDA 05 08:50:43.3,38.69N,43.20E,h7km,ML3.0

ISC 05 08:50:43.4-0.9,38.72N,10.02,43.21E,0.02,h12km,8km, n28, r1515/50,3D, Turkey

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

MAN 05 08:50:52.0,10.11N,123.32E,h1km,mb4.0,ML2.8,MS2.4, 1C-1D, Cebu

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

MAN 05 08:51:40.5-1.0,3.38S,128.78E,h0km,mb3.9/7, mb1 4.1/9, mb1mx3.8/57, mbtmp4.0/9, ML4.0, MS3.7/4, Ms1 3.8/4, ms1mx2.9/53, Error ellipse: s-maj=39.3km s-min=20.9km az=77.0

ISCJB 05 08:51:42.6-0.6,3.24S,128.96E,0.03,h18km,5km, mb3.9/6, MS4.1/3, Error ellipse: s-maj=7.7km s-min=5.7km az=12.4

DJA 05 08:51:43.2-0.2,3.2S,129.9E,h10km,M4.4/11,mb5.0/2, mb5.0/3, MLV4.1/11, Mw(MB)4.3/2

ISC 05 08:51:43.1-0.8,3.34S,128.93E,0.04,h17km,5km, n21, r091/26,mb4.0,0.6,MS5.9/3, Saram

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Ampna, Davao City (W), WRA, ASAR, etc.

MAN 05 08:54:12.7, 10.07N:123.31E, h1km, mb4.3, ML3.1, MS2.8, 3C-2D, Cebu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like TBP, LLL, SNPH, etc.

ISCJB 05 09:01:32.6, 0.8, 3.49N:102.98E, h150km, mb3.7/13, Error ellipse: s-maj=32.2km s-min=9.0km az=141.6

ISC 05 09:01:34.3, 0.8, 3.49N:98.19E, h148km, 7km, mb3.5/13, mb1 3.6/14, mb1mx3.3/69, mbtmp4.0/14, Error ellipse: s-maj=44.1km s-min=12.1km az=54.0

ISC 05 09:01:34.6, 1.0, 3.5N:102.98E, h150km, n15, c=0561/16, mb3.8/13, Northern Sumatera

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

NNC 05 09:14:21.2, 2.8, 5.33N:91.08E, h1km, mb4.4, mpv4.2, Error ellipse: s-maj=21.4km s-min=18.6km az=41.0

ISC 05 09:14:29.0, 1.6, 5.33N:90.77E, h0km, mb3.1/2, mb1 3.4/5, mb1mx3.1/77, mbtmp3.3/5, ML2.6/3, Error ellipse: s-maj=23.8km s-min=15.5km az=129.0

ISC 05 09:14:30.0, 1.5, 5.332N:10.10:90.9E, h10km, n12, c=2525/15, 4C-9D, Southwestern Siberia

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

ISC 05 09:16:13.4, 12.0, 22.98S:178.05W, h541km, 168km, mb3.1/4, mb1 3.3/5, mb1mx2.8/53, mbtmp4.0/5, Error ellipse: s-maj=95.4km s-min=37.3km az=4.0, South of Fiji Islands

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

NEIC 05 09:23:23.1, 0.0, 38.780N:122.76W, h3km, mb4.2/14, MW4.4(BRK), After NCEDC.

NEIC Felt [V] at Middletown; [I] at Angwin, Calistoga, Geyserville, Hidden Valley Lake, Kelseyville, Lower Lake and Santa Rosa; [I] at Clearlake, Cloverdale, Healdsburg, Napa and Sonoma. Felt as far as Chico and Stockton.

ISC 05 09:23:25.1, 1.2, 38.89N:122.59W, h0km, mb3.8/9, mb1 4.0/13, mb1mx3.7/29, mbtmp3.8/13, ML3.4/4, MS3.7/29, Ms1 3.7/29, Ms1mx3.5/63, Error ellipse: s-maj=17.8km s-min=9.4km az=0.0

ISC 05 09:23:27.1, 1.0, 38.81N:122.78W, h0km, 6km, n169, c=1855/117, mb4.2/17, MS3.8/24, Northern California

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like GDXM, HOPS, MOCM, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like HWUT, TCUT, P17A, etc.

MAN 05 09:33:20.5, 8.83N:124.40E, h16km, mb4.3, ML3.1, MS2.9, 3C-1D, Mindanao

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like CGP, TBP, DCPH, etc.

SNPH	Sibulan	1.26	2941	eP	Pn	09 33 42.4	-1.1
MSLP	Maasin	1.37	19	eP	Pn	09 33 44.2	-0.7
PAGZ	Pagadian	1.41	226	eP	Pn	09 33 45.0	-0.4
LLP	Lapu-Lapu	1.54	344	eP	Pb	09 33 52.5	+2.5
LTB		1.54	344	eS	Pn	09 34 07.5	-0.3
CTBH	Cotabato-PC H	1.61	185	eP	Pn	09 33 47.9	-0.3
IPIL	Ipil	2.09	240	eP	Pn	09 33 55.9	+1.1

**KOLA 05 09:36:10.6, 67.66N, 134.19E, h0km**  
**ISCJIB 05 09:36:14.4, 0.9, 67.69N, 134.19E, h0km, Error ellipse: s-maj=7.7km s-min=4.8km az=173.5**  
**CSEM 05 09:36:12.9, 0.7, 67.66N, 133.79E, h1km, ML2.5, Error ellipse: s-maj=15.3km s-min=8.8km az=84.0, Mining explosion.**

**UPP 05 09:36:13.9, 9.2, 7.6758N, 33.79E, h0km, ML2.0**  
**IDC 05 09:36:14.4, 1.7, 67.82N, 33.89E, h0km, mb1 3.5/5, mb1mx3 1/77, mbmp3 5/5, ML3 0/5, Error ellipse: s-maj=18.8km s-min=9.0km az=83.0**

**HEL 05 09:36:14.0, 0.8, 67.72N, 33.82E, h0km, ML2.5, Explosion**  
**NAL 05 09:36:15.9, 1.7, 67.67N, 33.38E, ML2.8**

**ISC 05 09:36:12.3, 1.5, 67.65N, 133.83E, 0.08h, h0km, n62, ±121/92, Baltic States-Belarus-Western Russia**

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC
APA	Apatity	0.18	243	Op	Pg	09 36 18.2	+0.4
APA	Apatity	0.32	262	P	S	09 36 20.3	+2.2
APA	Apatity Array	0.32	262	P	S	09 36 18.8	+0.3
APA	Varrio	1.61	275	P	S	09 36 24.8	-1.9
VRF	Varrio	1.61	275	Sg	S	09 37 03.1	-0.4
VRF	Varrio	1.61	275	Pg	Pn	09 36 41.7	-0.3
KU6	Riekki	2.25	225	Pn	Pn	09 36 52.2	+1.4
KU6	Riekki	2.25	225	Pb	Pb	09 37 22.1	-
KU6	Riekki	2.25	225	Sg	Sg	09 37 23.7	-0.9
MSF	Maaselka	2.58	230	Pb	Pb	09 36 52.0	-1.4
MSF	Maaselka	2.58	230	Sb	Sb	09 37 33.0	-2.0
MSF	Maaselka	2.58	230	Pg	Pn	09 36 58.0	-1.4
SGF	Sodankylä	2.81	269	Pn	Pn	09 36 59.9	+1.5
SGF	Sodankylä	2.81	269	Sb	Sb	09 37 38.8	+0.6
SGF	Sodankylä	2.81	269	Pn	Pn	09 36 59.9	+1.5
RNF	Rovaniemi	3.23	255	Pn	Pn	09 37 05.2	+1.1
RNF	Rovaniemi	3.23	255	Sb	Sb	09 37 45.4	+2.2
RNF	Rovaniemi	3.23	255	Pn	Pn	09 37 05.2	+1.1
ARA0	ARCESS Array S	3.59	306	Pn	Pn	09 37 45.3	+2.2
ARA0	ARCESS Array S	3.59	306	Pb	Pb	09 37 09.5	+0.4
ARA0	ARCESS Array S	3.59	306	Sb	Sb	09 37 51.8	-0.4
ARA0	ARCESS Array S	3.59	306	Pn	Pn	09 37 09.5	+0.4
ARA0	ARCESS Array S	3.59	306	Pb	Pb	09 37 51.8	-0.4
ARA0	ARCESS Array S	3.59	306	Sb	Sb	09 37 09.5	+0.4
ARE0	ARCESS Array S	3.59	306	Pn	Pn	09 37 09.5	+0.4
ARE0	ARCESS Array S	3.59	306	Pb	Pb	09 37 15.6	-1.0
ARE0	ARCESS Array S	3.59	306	Sb	Sb	09 37 53.4	+1.2
ARE0	ARCESS Array S	3.59	306	Pn	Pn	09 37 09.5	+0.4
ARE0	ARCESS Array S	3.59	306	Pb	Pb	09 37 15.6	-1.0
ARE0	ARCESS Array S	3.59	306	Sb	Sb	09 37 53.4	+1.2
ARE0	ARCESS Array S	3.59	306	Pn	Pn	09 37 09.5	+0.4
ARE0	ARCESS Array S	3.59	306	Pb	Pb	09 37 15.6	-1.0
ARE0	ARCESS Array S	3.59	306	Sb	Sb	09 37 53.4	+1.2
ARE0	ARCESS Array S	3.59	306	Pn	Pn	09 37 09.5	+0.4
ARE0	ARCESS Array S	3.59	306	Pb	Pb	09 37 15.6	-1.0
ARE0	ARCESS Array S	3.59	306	Sb	Sb	09 37 53.4	+1.2
HEF	Hetta	3.90	286	Pn	Pn	09 37 15.0	+1.7
HEF	Hetta	3.90	286	Sb	Sb	09 37 15.0	+1.7
HEF	Hetta	3.90	286	Pn	Pn	09 37 15.0	+1.7
TOF	Tornio	4.07	252	Pn	Pn	09 37 16.6	+0.9
TOF	Tornio	4.07	252	Pb	Pb	09 37 16.6	+0.9
OUL	Oulu	4.10	235	Pn	Pn	09 37 18.8	+2.7
PAJU	Pajala	4.19	266	P	P	09 37 18.3	+0.8
PAJU	Pajala	4.19	266	P	P	09 37 18.3	+0.8
PAJU	Pajala	4.19	266	S	S	09 37 18.3	+0.8
LANU	Lannavaara	4.50	281	P	P	09 37 22.3	+0.6
LANU	Lannavaara	4.50	281	P	P	09 37 22.3	+0.6
LANU	Lannavaara	4.50	281	S	S	09 37 22.3	+0.6
KALU	Kalix	4.52	251	P	P	09 37 22.7	+0.8
KALU	Kalix	4.52	251	P	P	09 37 22.7	+0.8
MASU	Masugnbyn	4.54	273	P	P	09 37 23.0	+0.8
MASU	Masugnbyn	4.54	273	P	P	09 37 23.0	+0.8
ERTU	Ertisaer	4.68	252	P	P	09 37 24.4	+0.3
ERTU	Ertisaer	4.68	252	P	P	09 37 24.4	+0.3
HAMF	Hammerfest	4.71	314	eP	Pn	09 37 26.2	+1.8
KIF	Kilpisjärvi	5.01	292	eP	Pn	09 37 30.4	+1.7
KUA	Kurruvaara	5.12	280	P	P	09 37 31.2	+1.0
KUA	Kurruvaara	5.12	280	P	P	09 37 31.2	+1.0
DUNU	Dundret	5.14	270	S	S	09 37 30.9	+0.4
DUNU	Dundret	5.14	270	S	S	09 37 30.9	+0.4
DUNU	Dundret	5.14	270	S	S	09 38 30.3	-0.2
SJUJ	Sjulsmark	5.33	252	P	P	09 37 33.1	+0.1
SJUJ	Sjulsmark	5.33	252	P	P	09 37 33.1	+0.1
RATU	Laukkuluopka	5.42	278	P	P	09 37 35.0	+0.8
RATU	Laukkuluopka	5.42	278	P	P	09 37 35.0	+0.8
NIKU	Nikkaluokta	5.62	279	P	P	09 37 37.6	+0.6
NIKU	Nikkaluokta	5.62	279	P	P	09 38 40.7	-1.5
NIKU	Nikkaluokta	5.62	279	S	S	09 37 37.6	+0.6
NIKU	Nikkaluokta	5.62	279	S	S	09 38 40.7	-1.5
TRO	Tromso	5.79	297	eP	Pn	09 37 41.9	+2.6
TRO	Tromso	5.79	297	eS	Pn	09 38 44.3	-2.0
TRO	Tromso	5.79	297	IAML		09 38 46.9	-
FIA0	FINESS Array S	7.06	212	Pn	Pn	09 37 58.2	+1.4
FIA0	FINESS Array S	7.06	212	Sb	Sb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Pn	Pn	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Pb	Pb	09 37 58.2	+1.4
FIA0	FINESS Array S	7.06	212	Sb	Sb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Pn	Pn	09 37 58.2	+1.4
FIA0	FINESS Array S	7.06	212	Pb	Pb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Sb	Sb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Pn	Pn	09 37 58.2	+1.4
FIA0	FINESS Array S	7.06	212	Pb	Pb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Sb	Sb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Pn	Pn	09 37 58.2	+1.4
FIA0	FINESS Array S	7.06	212	Pb	Pb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Sb	Sb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Pn	Pn	09 37 58.2	+1.4
FIA0	FINESS Array S	7.06	212	Pb	Pb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Sb	Sb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Pn	Pn	09 37 58.2	+1.4
FIA0	FINESS Array S	7.06	212	Pb	Pb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Sb	Sb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Pn	Pn	09 37 58.2	+1.4
FIA0	FINESS Array S	7.06	212	Pb	Pb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Sb	Sb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Pn	Pn	09 37 58.2	+1.4
FIA0	FINESS Array S	7.06	212	Pb	Pb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Sb	Sb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Pn	Pn	09 37 58.2	+1.4
FIA0	FINESS Array S	7.06	212	Pb	Pb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Sb	Sb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Pn	Pn	09 37 58.2	+1.4
FIA0	FINESS Array S	7.06	212	Pb	Pb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Sb	Sb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Pn	Pn	09 37 58.2	+1.4
FIA0	FINESS Array S	7.06	212	Pb	Pb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Sb	Sb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Pn	Pn	09 37 58.2	+1.4
FIA0	FINESS Array S	7.06	212	Pb	Pb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Sb	Sb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Pn	Pn	09 37 58.2	+1.4
FIA0	FINESS Array S	7.06	212	Pb	Pb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Sb	Sb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Pn	Pn	09 37 58.2	+1.4
FIA0	FINESS Array S	7.06	212	Pb	Pb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Sb	Sb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Pn	Pn	09 37 58.2	+1.4
FIA0	FINESS Array S	7.06	212	Pb	Pb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Sb	Sb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Pn	Pn	09 37 58.2	+1.4
FIA0	FINESS Array S	7.06	212	Pb	Pb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Sb	Sb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Pn	Pn	09 37 58.2	+1.4
FIA0	FINESS Array S	7.06	212	Pb	Pb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Sb	Sb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Pn	Pn	09 37 58.2	+1.4
FIA0	FINESS Array S	7.06	212	Pb	Pb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Sb	Sb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Pn	Pn	09 37 58.2	+1.4
FIA0	FINESS Array S	7.06	212	Pb	Pb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Sb	Sb	09 39 16.2	-1.5
FIA0	FINESS Array S	7.06	212	Pn	Pn	09 37 58.2	+1.4
FIA0	FINESS Array S	7.06	212	Pb	Pb	09 39 16.2	-1.5

Table with columns: SLUM, baz=149, Salum, Turunc, etc. Includes station names and coordinates.

Table with columns: MSTX, Muleshoe, X39A, Fountain Ranch, WMOK, etc. Includes station names and coordinates.

Table with columns: T25A, baz=161, Trinidad, Jilico Farms, etc. Includes station names and coordinates.

MAN 05 09:45:10.8, 9.94N, 123.16E, h1km, mb4.5, ML3.4, MS3.3, 4C-1D, Negros

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes station names like SNPH, TBP, etc.

NEIC 05 09:47:59.0, 1.3, 16.35N, 97.13W, h3km, 9km, mb4.1/43, MD4.0(MEX), Error ellipse: s-maj=13.5km s-min=6.9km

MEX 05 09:48:01.4, 0.5, 16.17N, 97.33W, h30km, 15km, MD4.0, IDC 05 09:48:10.6, 3.0, 16.61N, 96.41W, h117km, 27km, mb3.3/7, mb1.3/6.10, ms1mx2.8/18, Error ellipse: s-maj=45.2km s-min=17.3km az=62.0

ISC 05 09:47:59.0, 0.8, 16.22N, 100.95, 27W, 0.04, h2km, 5km, n243, 0.19, 28/252, mb4.1/35, Oaxaca

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes station names like PNIG, Pinotepa, etc.

Table with columns: TUL1, Leonard, BNM, Barren Site, etc. Includes station names and coordinates.

Table with columns: S22A, 4UR Ranch, C, 4UR Ranch, etc. Includes station names and coordinates.



5d 10h

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

ISC/JB 05 09:48:11.7, 0.48:8S:0.1x127.7E:0.4, h10km, mb4.0/5, MS3.7/14, Error ellipse: s-maj=40.0km s-min=14.6km az=11.1

ISC 05 09:48:12.2, 1.0, 48:79Sx127.71E, h0km, mb4.1/5, mb1.4/2.6, mb1mx3.9/4.1, mbtmp3.0/6, ML3.6/1, MS3.7/16, Ms1.3/7.16, ms1mx2.9/3.1, Error ellipse: s-maj=52.1km s-min=19.6km az=17.0

ISC 05 09:48:13.8, 1.0, 48:8S:0.1x127.8E:0.3, h10km, n20, o#596/6, mb4.1/5, MS3.6/14, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Cape Leeuwin, Warramunga, etc.

ISC/JB 05 09:53:37.8, 0.3, 24:10N:0.04x122.83E:0.02, h36km, 15km, Error ellipse: s-maj=6.1km s-min=2.7km az=169.7

JMA 05 09:53:37.4, 0.1, 24:19N:122.80E, h54km, 3km, M2.1 TAP 05 09:53:37.9, 24:14N:122.82E, h41km, ML2.8, C

ISC 05 09:53:38.2, 1.2, 24:12N:0.04x122.83E:0.02, h39km, 4km, n50, o#1802/1, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Yonagunijimaku, Yonaguni jima, etc.

2012 MAY

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like EOS1, IRIF, HATJ, ENAH, etc.

MAN 05 09:55:34.0, 10:03N-123:26E, h1km, mb4.5, ML3.3, MS3.2, 3C, Cebu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GUID, GUILM, DCPH, etc.

NIED 05 09:56:00, 35:20N:137:20E, h53km, Mw4.2, Best double couple, M2.65000x1015, NP1a:z32.00000, s32.00000, 1.352.00000

ISC/JB 05 09:56:52, 1.0, 4.35:12N:0.04x137.18E:0.4, h53km, 4km, mb3.6/13, MS3.0/4, Error ellipse: s-maj=6.7km s-min=5.3km az=141.2

JMA 05 09:56:52.8, 35:19N:137:17E, h45km, M4.3, Broadband fault plane solution: P waves. NP1:z35.00000

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887.00000; 1.146.00000. NP2:z227.00000; s56.00000; 1.4.00000. Principal axes: T P1g26.0000; Azm85.0000; N P1g55.0000; Azm310.0000; P P1g21.0000; Azm188.0000; JMA Felt III J1, JDC 05 09:56:53.4, 1.0, 35:09N:137:28E, h49km, 10km, mb3.5/13, mb1.3/7.20, mb1mx3.5/7.9, mbtmp3.8/20, ML3.5/4, MS2.9/8, Ms1.2/9.8, ms1mx2.6/5.2, Error ellipse: s-maj=11.6km s-min=7.2km az=83.0

ISC 05 09:56:53.3, 0.8, 35:13N:0.05x137:19E:0.04, h45km, 7km, n31, o#95/36, mb3.6/13, MS2.8/4, 2C-4D, Eastern

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Obara, Tsuru, Ise, etc.

IDA 05 10:03:60.0, 3.4, 38:50N:43:91E, h19km, 18km, mb3.3/5, mb1.3/5/11, mb1mx3.3/6.7, mbtmp3.4/11, ML3.7/5, MS3.0/4, Ms1.3/0.4, ms1mx2.5/3.6, Error ellipse: s-maj=29.7km s-min=15.5km az=125.0

ISK 05 10:03:59.7, 38:50N:43:62E, h5km, ML3.8/20, ATA 05 10:04:00.0, 3.1, 38:85N:43:61E, h12km, 12km, ML4.6, MW4.2

DDA 05 10:04:00.3, 38:83N:43:59E, h5km, ML3.9 CSEM 05 10:04:01.5, 0.2, 38:84N:43:59E, h2km, ML3.9, Error ellipse: s-maj=4.7km s-min=3.6km az=142.0

ISC 05 10:04:02.0, 0.9, 38:83N:0.02x43:59E:0.02, h9km, 6km, n147, o#136/171, mb3.3/4, 13C-9D, Turkey

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

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like TASBURUN-IGDIR, KARACOBAN, KARS, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like Germany, KSP Ksiaz, MOA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like KUTH Kutahya, DURS Dursunbey, etc.

CSEM 05 10:10:11.0-0.5; 19N:12:76E, h2km, ML2.9/4, Error ellipse: s-maj=10.4km s-min=6.9km az=112.0, Suspected Mining explosion.

MEX 05 10:27:13.0-0.5,15:98N-98:29W,h5km,MD3.9,Off coast of Guerrero
Code Station Name Δ° AZ° Phase ID Time Res h m s ISC

IDC 05 10:33:08.6-8.8,15:55S-172:79W,h0km,mb3.7/2, mb1 4.0/2,mb1mx3.4/46,mbtmp3.7/2,Error ellipse: s-maj=373.7km s-min=26.5km az=137.0,Samoa Islands region

ISK 05 10:33:56.6,39:13N-29:15E,h8km,ML2.3/6
ISCJB 05 10:33:57.3-0.4,39:10N-0:03-29:15E:0.03,h6km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=148.7

SJA 05 10:45:19.6-0.6,31:24S-69:25W,h112km,3km,ML3.1, MW3.6,San Juan Province
Code Station Name Δ° AZ° Phase ID Time Res h m s ISC

NNC 05 10:50:43.8-4.5,37:05N-70:03E,h0km,mb3.8,mpv3.4, 4C-3D,Error ellipse: s-maj=35.5km s-min=32.6km az=153.0,Afghanistan-Tajikistan border region

NIED 05 11:00:00.46:20N:150:00E,h250km,Mw4.6 Best double couple: M0:660000:1015 NP1:300178.000000, 342.000000,104.000000. NP2:300178.000000, 349.000000, 178.000000
ISCJB 05 11:00:52.7:0.2,47:14N:0:02-149:70E:0:03, h238km,2km,mb4.6/264, Error ellipse: s-maj=4.0km s-min=2.3km az=148.9

IDC 05 10:38:12.6-1.2,12:49N-58:26E,h0km,mb3.6/6, mb1 3.8/6,mb1mx3.5/63,mbtmp3.6/6,Error ellipse: s-maj=30.6km s-min=26.7km az=26.0,Owen Fracture Zone region

CSEM 05 10:40:17.6:0.3,40:14N-24:06E,h10km,ML1.6
ATH 05 10:40:17.7,40:15N-24:05E,h17km,4km,ML1.6/3,Error ellipse: s-maj=4.1km s-min=1.5km az=343.0,Aegean Sea

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC
RTLS Leonicito 0.55 184 eP Pn 10 45 38.4 +1.0

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC
SFA Sufi-Kurgan 4.02 42 Op Pn 10 51 47.5 +0.7

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC
KUR Kuril'sk 2.31 215 Op Pn 11 01 38.7 -2.3

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC
OUR Ouranopolis 0.19 345 Op Pn 10 40 22.4 0.0

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC
OUR Ouranopolis 0.19 345 Op Pn 10 40 22.4 0.0

LAGR Lagunnoye 4.15 224 ePN Pn 11 01 58.8 -2.3

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC
GLVR Golovino 4.52 223 eP Pn 11 02 02.6 -2.8

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC
JRA Rausu 4.56 227 P Pn 11 02 03.6 -2.3

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC
SKR Severo-Kuril's 5.50 47 ePN Pn 11 02 14.8 -2.4

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC
OUR Ouranopolis 0.19 345 Op Pn 10 40 22.4 0.0





Table with columns for station ID, name, frequency, power, and signal quality. Includes stations like Topopah Spring, Osito Audit, Camp Tracy, etc.

Table with columns for station ID, name, frequency, power, and signal quality. Includes stations like AGMN Agassiz Station, BC3 Big Chuckawall, D31A McClaffin, etc.

Table with columns for station ID, name, frequency, power, and signal quality. Includes stations like I34A Hadley, J33A Davis, G36A St. Michael, etc.



5d 11h

2012 MAY

Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like L38A, E45A, J40A, M37A, K39A, SCIA, N36A, H42A, H42A, EKA, J41A, K40A, I42A, VYHS, VYHS, M38A, L39A, H43A, H43A, N37A, VRAC, KSU1, KSU1, JFWS, JFWS, F46A, I43A, J42A, K41A, L40A, M39A, N38A, O37A, AMTX, AMTX, MODS, MODS, M42A, M42A, MSTX, L41A, L41A, N39A, M40A, P37A, BRTR, BRTR, O38A, MNTX, MNTX, GLMI, GDL2, L42A, N40A, K43A, K43A, KHC, KHC, KHC, KHC, KHC, O39A, P38A, M41A, Q37A, GERES, GERES, GERES, GEA0, L43A, CONA, M42A, O40A, Q38A, P39B, N42A, M43A, Q39A, Q40A, O41A, R38A, WMOK, WMOK, WMOK, M44A, O42A, Q40A, HDIL, HDIL, R39A.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Houston Renfro, Vicksburg, Z46A, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like RTL5, Cuya, AUSA, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like KLR, ILAR, TXAR, etc.

MAN 05 11:07:52.2, 17.07N-119.07E, h6km, mb4.5, ML3.4, MS3.2, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like BOLP, Dolo, ABRA, etc.

IDC 05 11:10:40.9, 5.7, 21.92S-177.24W, h0km, mb3.5/2, mb1 3.8/2, mb1mx3.5/41, mbtmp3.5/2, MS4.2/1, Ms1 4.2/1, ms1mx2.7/34, Error ellipse: s-maj=270.0km s-min=61.3km az=151.0, Fiji Islands region

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

ISCJB 05 11:18:13.9, 0.9, 15.0S; 0.3, 176.8W; 0.1, h10km, mb3.8/7, MS3.9/31, Error ellipse: s-maj=52.5km s-min=14.2km az=162.6

IDC 05 11:18:14.0, 0.1, 3.1, 141.82S-176.87W, h0km, mb3.8/7, mb1 4.1/8, mb1mx3.9/45, mbtmp3.8/8, ML3.7/1, MS3.9/35, Ms1 3.9/35, ms1mx3.8/49, Error ellipse: s-maj=81.5km s-min=21.0km az=155.0

GCMT 05 11:28:24.0, 0.3, 14.92S-176.55W, h12km, MW4.9/78, Moment Tensor Solution. s24, c29; s78, c95; Duration: 0 Moment tensor: Scale 10^16Nm; Mr=2.53; 07; Mw=2.30; 07; Mo=0.23; 07; Mo=0.23; 26; Mw=0.75; 06; Mo=0.21; 26; Best double couple: M2 565000; 1016 NP1=79.00000; 848.00000; -1, 81.00000; NP2: 245.00000; 843.00000; -1, 100.00000; Principal axes: T: 2.6000; P1g: 0.0000; Azm1: 62.0000; N: 0.0000; P1g7: 0.0000; Azm2: 23.0000; P: 2.5770; P1g8: 0.0000; Azm5: 0.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 05 11:18:15.2, 1.3, 15.1S; 0.4, 176.6W; 0.1, h10km, n44, 0194/10, mb3.9/7, MS3.9/31, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like AFI, RAO, RAR, etc.

ISCJB 05 11:33:38.0, 0.4, 39.11N; 0.03; -29.13E; 0.03, h5km, 6km, Error ellipse: s-maj=5.5km s-min=3.8km az=164.7

DDA 05 11:33:37.8, 39.13N; 29.11E, h7km, ML2.6

ISC 05 11:33:37.8, 39.10N; 29.12E, h5km, ML2.3/7, CSEM 05 11:33:38.0, 0.1, 39.12N; 29.13E, h8km, ML2.3, Error ellipse: s-maj=3.0km s-min=2.0km az=133.0

ISC 05 11:33:38.0, 0.9, 39.12N; 0.02; 29.14E; 0.02, h9km, 7km, n34, c045/50, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like SIMA, GDZ, DEMI, etc.

ISCJB 05 11:36:09.1, 0.5, 21.27S; 0.03; 68.74W; 0.08, h126km, 6km, mb3.9/4, Error ellipse: s-maj=13.0km s-min=4.9km az=3.6

GUC 05 11:36:10.0, 0.7, 21.26S; 68.89W, h123km, 4km, ML4.1

IDC 05 11:36:10.9, 2.5, 21.21S; 68.45W, h117km, 22km, mb3.7/2, mb1 3.7/8, mb1mx3.4/40, mbtmp4.0/8, MS3.1/2, Ms1 3.1/2, ms1mx2.6/37, Error ellipse: s-maj=29.0km s-min=16.0km az=83.0

ISC 05 11:36:09.8, 0.8, 21.23S; 0.04; 68.69W; 0.08, h116km, 8km, n21, c133/33, mb4.0/4, 9C-1D, Chile-Bolivia border region

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like PB09, TB1, PMG, etc.

5d 12h

Table listing station names, codes, coordinates, and various parameters for stations in the 5d 12h region.

NNC 05 11:37:06.0 1.8, 53.57N, 87.83E, h0km, mb3.6, mpv3.2, 3C-7D, Error ellipse: s-maj=14.8km s-min=8.6km az=62.0, Southwestern Siberia

Table listing station names, codes, coordinates, and various parameters for stations in the NNC region.

IDC 05 11:39:43.0 2.0, 12.75S, 74.57W, h0km, mb3.4, mb1 3.6/6, mb1mx3.5/4.2, mbtm3.4/6, ML3.7/2, MS2.4/1, Ms1 2.4/1, ms1mx2.2/1.1, Error ellipse: s-maj=76.1km s-min=21.2km az=23.0

ISC 05 11:39:48.0 1.2, 12.8S, 74.6W, h35km, n6, c22/27, mb3.2/4, Central Peru

Table listing station names, codes, coordinates, and various parameters for stations in the IDC and ISC regions.

ISC/B 05 11:39:55.0 0.2, 23.65N, 0.07E, 142.9E, 0.2, h39km, mb3.7/7, Error ellipse: s-maj=31.1km s-min=9.9km az=173.3

IDC 05 11:39:57.4 4.3, 23.58N, 142.96E, h39km, 37km, mb3.4/7, mb1 3.5/10, mb1mx3.3/7.0, mbtm3.6/10, ML3.5/3, Error ellipse: s-maj=39.5km s-min=18.5km az=90.0

ISC 05 11:39:57.5 1.0, 23.64N, 0.10E, 142.9E, 0.3, h39km, n13, c110/111, mb3.6/7, Volcano Islands region

Table listing station names, codes, coordinates, and various parameters for stations in the ISC and ISC/B regions.

MAN 05 12:02:56.3, 15.45N, 120.56E, h24km, mb4.2, ML3.0, MS2.7, 1D, Luzon

Table listing station names, codes, coordinates, and various parameters for stations in the MAN region.

2012 MAY

Main table listing station names, codes, coordinates, and various parameters for stations across the 2012 MAY period.

Table listing station names, codes, coordinates, and various parameters for stations in the right-hand column.



5d 12h

Table with columns: DPC, Dobruska-Polom, 1.52 291, Pg, Pn, 12 24 33.1, -0.4, 12 24 53.7, -0.2, KRUC Moravsky, 1.59 242, ePg, Pn, 12 24 34.5, +0.1, 12 24 56.2, +0.4, etc.

ISK 05 12:24:05.3, 37.38N, 28.10E, h26km, ML1.8/5
ISC/JB 05 12:24:06.8, 0.7, 37.43N, 0.03, 28.11E, 0.05, h0km, Error
ellip: s-maj=5.2km s-min=4.2km az=179.4

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, AYDN Tasoluk, 0.31 320, iP, Op, 12 24 16.9, +1.2, etc.

GUC 05 12:26:52.0, 4.31, 73S, 71.88W, h36km, 3km, ML3.6
SJA 05 12:26:52.9, 1.4, 31.78S, 72.10W, h47km, 31km, ML3.6, MW3.9

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, ROCH EI Roble, 1.64 137, eS, Op, 12 27 37.2, -0.9, etc.

CSEM 05 12:38:38.9, 0.5, 32.56N, 48.78E, h15km, ML3.3, Error
ellip: s-maj=12.2km s-min=9.6km az=85.0

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, AHWZ Ahwaz, 1.21 182, Op, Pn, 12 39 01.4, -0.3, etc.

2012 MAY

Table with columns: HKZM Kohzaman, 2.84, 4 ePn, Pn, 12 39 24.5, +0.1, GHVR GHOM, 2.91, 48 ePn, Pn, 12 39 24.3, -1.0, etc.

ISC/JB 05 12:41:14.9, 0.8, 10.53N, 0.04, 61.34W, 0.09, h70km, 7km,
Error ellip: s-maj=15.1km s-min=5.9km az=19.3

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, TRN Trinidad (W), 0.18 320, Op, Pn, 12 41 24.7, +0.2, etc.

ROM 05 12:44:02.9, 0.3, 40.54N, 0.02, 17.54E, 0.02, h5km, 2km,
ML2.8/20

ISC/JB 05 12:44:03.6, 0.4, 40.53N, 0.03, 17.56E, 0.03, h10km, Error
ellip: s-maj=4.7km s-min=3.1km az=20.7

CSEM 05 12:44:03.4, 0.2, 40.54N, 0.17, 57E, h15km, ML2.8, Error
ellip: s-maj=5.5km s-min=3.5km az=28.0

ISC 05 12:44:03.0, 0.8, 40.56N, 0.03, 17.55E, 0.02, h10km, n47,
o575, 57, 1D, Southern Italy

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, CGL1 Ceglie Messapi, 0.11 330, ePg, Op, 12 44 07.2, +1.4, etc.

Table with columns: SCTE, comp=N, 346um, 1.3s, AML, AML, SCTE, comp=N, 346um, 1.3s, AML, AML, etc.

KRNET 05 12:44:11.3, 0.1, 41.36N, 70.99E, h17km, mb2.5
SOME 05 12:44:11.6, 0.1, 41.25N, 71.00E, h15km
NIC 05 12:44:11.1, 1.2, 41.22N, 71.01E, h0km, mb3.0, mpv2.7,
Error ellip: s-maj=10.9km s-min=8km az=56.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes stations like ARK, IUG, BTK, ARSB, MNAS, KK31, AML, MRKS, SFK, UCH, AAK, DGS, KST, KUU.

ISCJB 05 12:45:54.6, 1.6, 36:82N, 0.04:141:38E:0.07, h11km, 9km, mb3.7/9, MS3.5/1, Error ellipse: s-maj=9.4km s-min=7.4km az=12.8

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes stations like ONAJ, JFK, JHO, JFT, JYT, JMM, JMB, MJAR, MAT, KSRS, SONM, H1N2, H1N1, H1N3, H1S1, H1S3, H1S2.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes stations like MKAR, KURBB, ILAR, INK, ARU, WRA, ASAR, YKA, FINES.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes stations like SFK, MNAS, AAK, KK31.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes stations like VANB, ADCV, GEVA, VMUR, TUTA, CLDR, GURO, AGRB, UCHB, EATA, EATA.

IDC 05 13:05:31.5, 2.2, 34:77N, 72:97E, h0km, mb3.5/5, m1 3.6/9, mb1mx3.4/67, mbtmp3.5/9, ML3.5/4, MS3.5/1, Ms1 3.5/1, ms1mx2.2/62, Error ellipse: s-maj=5.4, 2km s-min=26.7km az=131.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes stations like SFK, SFK, AAK, AAK, KK31, PYUN, DANN, KOLN, GKN, DMN, GUN, JIRN, MKAR, BVAR, AKTO, ZALV, ARCES, TORD, ILAR, YKA.

ISCJB 05 13:09:37.6, 0.4, 6:91S:0.04:129:93E:0.05, h104km, mb4.2/19, Error ellipse: s-maj=7.9km s-min=5.3km

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes stations like SAUI, BNDI, AAI, MSAI, FAKI, FAKI, NLAJ, KMPI, SJIJ, SJIJ, SANI, SOEI, SOEI, SOEI, LMBI, BATI, BATI, BATI, MMRI, TNTI, FITZ, WRAB, WRA, WRA.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes stations like ASAR, ASAR, PMG, CTA, TGY, STKA, JOW, CMAR, MJAR, KSAR, KSRS, USRK, ASAJ, KLR, ULN, SONM, PETK, MKAR, ZALV, SEY, KURBB, KURK, MAW, BVAR, ILAR, YKA.

ISCJB 05 13:18:11.7, 0.0, 19:65S:0.03:70:20W:0.06, h66km, 4km, mb3.7/8, Error ellipse: s-maj=9.8km s-min=4.6km az=176.7

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes stations like PSGC, PSGC, PB11, PB11, PB11, PB11, PB08, PB08, PB08, PB12, PB12, PB01, PB01, PB01, PB02, PB02, PB07, PB07, PB09, PB09, PB04, PB04, PB10, PB10, LPAZ, LPAZ, LCO, LCO, SIV, SIV, AGUA, SAML, SAML, CPUP, PLCA, PLCA, PTGA, PTGA, OTAV, OTAV, GOTA, GOTA, PCON, PCON, RREF, RREF, RUSC, RUSC, RUSC, RUSC, TXAR, TXAR, SNAJ, SNAJ, OSPA, OSPA, PDAR, PDAR, NVAR, NVAR, YKA, YKA, H1S2, H1S1, H1S3, H1N3.

ISCJB 05 13:18:12.0, 0.8, 19:67S:0.03:70:15W:0.07, h54km, 7km, n47, r198/50, mb4.0/7, 3C-6D, Near coast of northern Chile

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes stations like SNAJ, SNAJ, OSPA, OSPA, PDAR, PDAR, NVAR, NVAR, YKA, YKA, H1S2, H1S1, H1S3, H1N3.



5d 14h

Table with columns: ID, Name, H, V, S, T, P, Time, Res. Includes entries like H112 WAKE ISLAND Hy26.52 280 T T 15 56 25.1

ISC 05 13:20:56.0±3.0, 32.20N, 141.52E, h0km, mb3.3/2, mb1 3.3/3, mb1mx3.1/60, mbtmp3.1/3, ML2.6/1, Error ellipse: s-maj=88.6km s-min=22.9km az=58.0,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like JHU Hachijo jima 2 1.73 303 Op Pn 13 21 27.3 -0.1

ISC 05 13:34:24.0±1.1, 6.74S, 128.43E, h0km, mb3.6/2, mb1 4.0/5, mb1mx3.5/53, mbtmp3.9/5, ML4.0/3, Error ellipse: s-maj=55.6km s-min=28.0km az=77.0, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like BATI Baumata 5.84 234 Op Pn 13 35 52.0 0.0

ISC 05 13:43:57.4±1.4, 6.33N, 150.64W, h112km, 20km, mb3.4/6, mb1 3.3/9, mb1mx3.0/76, mbtmp3.7/9, Error ellipse: s-maj=35.4km s-min=10.1km az=114.0

ISCJB 05 13:43:58.3±0.3, 6.3322N, 150.62W, 0.06, h133km, 3km, mb3.9/7, Error ellipse: s-maj=4.2km s-min=3.4km az=10.2

NEIC 05 13:44:00.1±0.0, 6.3322N, 150.59W, h121km, ML3.0(AEIC), After AEIC

ISC 05 13:43:59.3±0.7, 6.3320N, 150.64W, 0.03, h128km, 5km, n74, 0.82/93, mb3.7/7, Central Alaskas

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like TRF Thorofare Moun 0.30 33 P Pn 13 44 17.7 +0.3

2012 MAY

Table with columns: ID, Name, H, V, S, T, P, Time, Res. Includes entries like FINES FINES Array B 56.5 2 P P 13 53 21.0 -0.2

MEX 05 14:02:11.7±0.5, 14.94N, 93.21W, h78km, 14km, MD3.7, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like PCIG comp=N, 0.76 359 Op Pn 14 03 23.0 -0.1

ISCJB 05 14:03:05.3±0.7, 20.80S, 0.05±69.0W, 0.1, h115km, 7km, mb3.5/3, Error ellipse: s-maj=17.6km s-min=7.7km az=8.9

ISC 05 14:03:07.0±0.4, 20.75S, 69.15W, h103km, 2km, ML3.9, GUC 05 14:03:16.0±0.6, 1.20, 0.07S, 68.51W, h162km, 39km, mb3.2/3, mb1 3.2/5, mb1mx3.0/46, mbtmp3.6/5, MS3.1/1, Ms1 3.1/1, ms1mx2.5/10, Error ellipse: s-maj=63.5km s-min=33.5km az=38.0

ISC 05 14:03:06.1±0.9, 20.74S, 0.06±69.0W, 0.1, h107km, 8km, n17, 1.98/21, mb3.5/3, 3C-4D, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like PB01 IPOC Station P 0.55 237 Op Pn 14 03 23.0 -0.1

ISC 05 14:03:57.4±1.4, 6.33N, 150.64W, h112km, 20km, mb3.4/6, mb1 3.3/9, mb1mx3.0/76, mbtmp3.7/9, Error ellipse: s-maj=35.4km s-min=10.1km az=114.0

ISCJB 05 13:43:58.3±0.3, 6.3322N, 150.62W, 0.06, h133km, 3km, mb3.9/7, Error ellipse: s-maj=4.2km s-min=3.4km az=10.2

NEIC 05 13:44:00.1±0.0, 6.3322N, 150.59W, h121km, ML3.0(AEIC), After AEIC

ISC 05 13:43:59.3±0.7, 6.3320N, 150.64W, 0.03, h128km, 5km, n74, 0.82/93, mb3.7/7, Central Alaskas

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like LPAZ La Paz 4.51 11 P Pn 14 04 16.3 +3.4

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Table with columns: ID, Name, H, V, S, T, P, Time, Res. Includes entries like BUTP Musuan 0.99 258 eS Pn 14 18 34.6 +2.6

ISC 05 14:23:45.8±1.1, 52.54N, 160.43E, h0km, mb3.7/16, mb1 3.9/16, mb1mx3.7/73, mbtmp3.7/16, ML2.1/1, MS3.4/8, Ms1 3.4/8, ms1mx2.8/72, Error ellipse: s-maj=28.8km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like KRSR Korea Array 29.28 3 LR 14 34 53.6

ISCJB 05 14:23:48.5±0.8, 52.29N, 160.74E, h51km, mb4.0/12, Error ellipse: s-maj=8.6km s-min=3.8km az=101.0

ISC 05 14:23:48.3±0.5, 52.31N, 160.83E, 0.04, h30km, 25km, n120, 1.94/139, mb3.9/21, MS3.5/7, 1C-1D, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like SPN Mys Shipunski 0.93 328 eP Pn 14 24 04.0 -1.7

ISC 05 14:23:45.8±1.1, 52.54N, 160.43E, h0km, mb3.7/16, mb1 3.9/16, mb1mx3.7/73, mbtmp3.7/16, ML2.1/1, MS3.4/8, Ms1 3.4/8, ms1mx2.8/72, Error ellipse: s-maj=28.8km

ISCJB 05 14:23:48.5±0.8, 52.29N, 160.74E, h51km, mb4.0/12, Error ellipse: s-maj=8.6km s-min=3.8km az=101.0

ISC 05 14:23:48.3±0.5, 52.31N, 160.83E, 0.04, h30km, 25km, n120, 1.94/139, mb3.9/21, MS3.5/7, 1C-1D, Off east coast of Kamchatka Peninsula

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like SPN Mys Shipunski 0.93 328 eP Pn 14 24 04.0 -1.7



5d 15h

Table of station data for 5d 15h, including columns for station name, coordinates, and status. Includes stations like AB31 Akbulak array, AB31 Akbulak array, AB31 Gorkha, etc.

2012 MAY

Table of station data for 2012 MAY, including columns for station name, coordinates, and status. Includes stations like WARR Warrungarra Arr, ASAR Alice Springs, FFC Finl Fion, etc.

Table of station data for 2012 MAY, including columns for station name, coordinates, and status. Includes stations like DZM, URZ Urewera, HNR, etc.

IDC 05 15:52:59.0-1.8,5.33S,146.61E, h0km,mb3.3/2, mb1 3.7/4, mb1mx3.4/3, mbtmp3.5/4, ML2.8/2, Error ellipse: s-maj=7.4km s-min=29.0km az=113.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Port Moresby, Warramunga Arr, Alice Springs, Eielson Array.

ATH 05 15:55:04.2, 40.20N, 19.50E, h13km, ML4.0/60, Error ellipse: s-maj=1.8km s-min=1.0km az=113.0

TIR 05 15:55:06.0, 40.14N, 19.78E, h9km, Md4.3/3

MOS 05 15:55:05.2, 1.6, 40.20N, 19.63E, h10km, mb4.5/30, Error ellipse: s-maj=5.2km s-min=3.7km az=84.5

IDC 05 15:55:05.3, 0.7, 40.16N, 19.71E, h0km, mb4.2/21, mb1 4.2/33, mb1mx4.1/69, mbtmp4.1/33, ML3.6/10, MS3.2/22, Ms1 3.2/22, ms1mx3.0/60, Error ellipse: s-maj=13.6km s-min=11.0km az=16.0

NEIC 05 15:55:05.9, 0.0, 40.14N, 19.78E, h1km, mb4.4/4, MD3.9(TIR), ML4.0(ATH), ML4.2(PDG), ML4.4(THE), After TIR

SKO 05 15:55:05.4, 40.08N, 19.43E, h9km, M3.8, ML4.4 THE 05 15:55:06.8, 40.15N, 19.72E, h0km, ML4.0/16, Error ellipse: s-maj=1.0km s-min=0.4km az=277.0

LDG 05 15:55:06.7, 0.0, 40.16N, 19.67E, h2km, M4.3/9, Error ellipse: s-maj=2.9km s-min=2.1km az=8.0

ISCBJ 05 15:55:07.1, 0.3, 40.20N, 0.01, 19.63E, 0.02, h21km, 3km, mb4.3/38, MS3.2/17, Error ellipse: s-maj=2.2km s-min=1.5km az=137.1

CSEM 05 15:55:07.4, 0.1, 40.18N, 19.69E, h10km, mb4.2/25, ML4.2/10, Error ellipse: s-maj=2.6km s-min=1.6km az=51.0

PDG 05 15:55:07.4, 0.7, 40.17N, 19.72E, h11km, ML4.0/10, Error ellipse: s-maj=0.6km s-min=0.6km az=90.0

BEO 05 15:55:09.0, 0.6, 40.21N, 19.59E, h21km, 4km

PRU 05 15:55:10.0, 40.15N, 19.68E, h2km, M4.4

ISC 05 15:55:07.2, 0.8, 40.14N, 0.01, 19.72E, 0.02, h15km, 5km, n643, s1973/802, mb4.3/38, MS3.2/17, 33C-27D, Albania

Main table for the left column containing station data for various locations like Sarande, Kassiopi, Korca, Nestorio, etc.

Main table for the middle column containing station data for various locations like Bitola, Lefkada island, Kozani, Peshkopia, etc.

Main table for the right column containing station data for various locations like Efpalio, Sgologre (BA), University Cam, etc.

2012 MAY

5d 15h

Table with columns for LKR, AML, and various alphanumeric codes. The table lists numerous entries, each with a unique identifier and associated numerical values. The data is organized into columns, with the first column containing alphanumeric codes and the second column containing numerical values. The table is split across multiple pages, with the current page showing entries from the middle of the list.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like MOTA, GEA0, MORC, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like SOC, IIGN, IDID, ISAL, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like KDJ, NVS, MAKZ, etc.







5d 18h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like FORT Forrest, GTA Gaotai, LSA Lhasa, etc.

MEX 05 17:12:55.3±0.5, 16.27N, 98.43W, h6km±1km, MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PINN Pinotepa, TLIG Tlapa, VHO Vista Hermosa, etc.

MAN 05 17:54:41.2, 9.85N, 123.14E, h6km, mb4.7, ML3.6, MS3.4, 4C-1D, Negros

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

MAN 05 17:59:08.6, 7.12N, 123.62E, h32km, mb3.8, ML2.6, MS2.1, 1D, Mindanao

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CTBH Cotabato-PC H, PAGZ Pagadian, ENPP El Nido, etc.

2012 MAY

Main table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like IPIL, SJA, SCB, IDC, ISC, etc.

KRSC 05 18:10:06.1±1.0, 51.81N-159.03E, h59km±15km, ML3.7, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like RUS Russkaya, MTVR Mutnovka, ASAK Asacha, etc.

SOME 05 18:25:03.4, 43°45'N-82°47'E, h10km, NNC 05 18:25:06.6±1.8, 43°51'N-82°36'E, h0km, mb3.2, mpv2.8, Error ellipse: s-maj=18.6km s-min=6.5km az=130.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KTMS Ketmen, DJR Jarkent, DJR Jarkent, etc.

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Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SATY, MNBS Baschi, MNBS, KURS Kuram, etc.

ISC 05 18:28:46.4, 36°17'N-28°70'E, h12km, M13.7, DDA 05 18:28:46.5±1.2, 36°13'N-28°83'E, h0km, mb3.4/4, mb1 3.5/9, mb1mx3 3.7/3, mbtmpp3.3/9, ML3.3/5, MS2.4/1, Ms1 2.4/1, ms1mx2 0.3/4, Error ellipse: s-maj=22.2km s-min=15.9km az=159.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like FETI Fethiye, ARG Arkhangelos, ARG Arkhangelos, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other details. Includes stations like KEFZ, ZKR, ANAF, BLCB, ZEV, SANT, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other details. Includes stations like CHOS, ALFC, SIVA, SERI, SEFI, PRK, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other details. Includes stations like PYL, PYLOS, MMAI, GERES, FINES, ESDC, etc.

IDC 05 18:43:19.5,0.4, 5.77N, 126.30E, h97km, 3km, mb4,4/40, mb1 4.4/43, mb1mx4.3/56, mbtmp4.7/43, MS3.2/19, Ms1 3.2/19, ms1mx3.1/45, Error ellipse: s-maj=12.3km s-min=7.0km az=75.0

Table with columns: Code, Station Name, Frequency, Power, Mode, and other details. Includes stations like MATI, GSPH, DAV, DAV, DAV, etc.

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

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

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other details. Includes stations like KLI, GGIJ, MDSI, KASI, SKNT, etc.

5d 18h

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

2012 MAY

Table with columns for station name, frequency, power, and other technical details. Includes stations like LSA, RKG, H1S1, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like DGAR, DGAR, MK01, etc.

Table with columns: Call sign, Station Name, Frequency, Power, and other technical details. Includes stations like BVAO, BVAR, BRVK, etc.

Table with columns: Call sign, Station Name, Frequency, Power, and other technical details. Includes stations like PAX PAX, TMCR Tamitsa, RIDG, etc.

Table with columns: Call sign, Station Name, Frequency, Power, and other technical details. Includes stations like TRQA, ROCI, PEL, etc.

ISCJB 05 18:50:57.9, 0.28, 0.03s, 0.05:69.02W, 0.05, h121km, 10km, Error ellipse: s-maj=7.7km s-min=7.0km az=11.4

SJA 05 18:50:58.4, 0.7, 28.09s:68.88W, h126km, 6km, ML3.0, MW3.3

GUC 05 18:50:59.0, 0.7, 28.13s:69.09W, h102km, 8km, ML3.3

ISC 05 18:50:58.3, 1.1, 28.03s:0.05:69.02W, 0.04, h121km, 15km, n16, 0.05:23.5, Chile-Argentina border region

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC

VCA Vinchina 1.00 135 eP S Pn 18 51 20.9 +0.3

GO04 Tololo Observa 2.64 216 iP Pn 18 51 40.0 -0.2

GO04 Tololo Observa 2.64 216 iP Pn 18 52 11.9 -0.4

GO04 Tololo Observa 2.64 216 iP Pn 18 52 15.2

GO04 Tololo Observa 2.64 216 iP Pn 18 51 40.0 -0.2

GO04 Tololo Observa 2.64 216 iP Pn 18 52 11.9 -0.4

GO04 Tololo Observa 2.64 216 iP Pn 18 52 15.2



5d 20h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LBCW, NKCC, Novy Kostel, etc.

ISCJB 05 19:08:19.3:0.6, 37.85N, 0.03:29.10E:0.05, h5km, 7km, Error ellipse: s-maj=7.0km s-min=4.7km az=16.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DENT, Denizli, KHAL, Karahalli, etc.

IDC 05 19:13:39.3:3.5, 2.57S, 150.50E, h0km, mb3.0/2, mb1 3.3/2, mb1mx3.1/42, mbtmp3.1/2, Error ellipse: s-maj=145.1km s-min=45.2km az=115.0, New Ireland region

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

ISCJB 05 19:14:54.6:0.7, 41.63N, 0.04:2.44E:0.04, h12km, Error ellipse: s-maj=5.7km s-min=4.0km az=146.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CFON, Fontmartina, CCAS, Cassa de la Se, etc.

2012 MAY

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CAVN, Les Avelananes, CEST, Esteri de Car, etc.

MAN 05 19:31:48.8, 15:34N, 119:98E, h13km, mb4.5, ML3.3, MS3.1, 1D, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SCZP, Santa Cruz, BOLP, Bolinao, etc.

IDC 05 19:43:31.7:4.3, 4.77S, 134.34E, h0km, mb3.1/1, mb1 3.7/4, mb1mx3.4/43, mbtmp3.5/4, ML3.6/3, Error ellipse: s-maj=185.5km s-min=27.7km az=74.0, Jaya region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ISCJB 05 20:06:49.0, 0.8, 18.9S, 0.3:177.8W, etc.

ISCJB 05 20:09:34.5:0.2, 3.76N, 0.03:124.82E:0.04, h300km, mb4.3/4, Error ellipse: s-maj=5.9km s-min=3.4km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SGSI, Sangihe, KMSI, Cibinong, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like DANN Danging, ULN Ulanbaatar, PYUN Piuthan, etc.

NIED 05 20:12:00, 38.20N, 141.80E, h50km, Mw5.3 Best double couple: M=8.520000x10^16 NP1=202.000000, delta 21.000000, ...

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like JIO Ouri, JMM Marumori, JIK Ichinoseki, etc.

Main table with columns: MJAR, Mutsushiro, Az, El, Phase ID, Time, Res. Includes stations like MJAR Mutsushiro, MJAR Mutsushiro, etc.

Table with columns: MDJ, Mudanjiang, Az, El, Phase ID, Time, Res. Includes stations like MDJ Mudanjiang, MDJ Mudanjiang, etc.



Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Castle Rocks, Muara Tewe, and various other locations.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Ala-Archa, Kashi, Kota Tinggi, and various other locations.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Dease Lake, Fitzroy Crossi, Aktyubinsk, and various other locations.

5d 20h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like LON Longmire, LPSR Galich ya Gora, LTY Liberty, etc.

2012 MAY

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SCO Scoresbysund, BMO Blue Mountains, BIDO Bidibid, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BMN Battle Mountain, BOZ Bozeman (W), RYN Rye, etc.

comp=Z,1um,1.2s					
KWP Kalwaria Pacla	77.30 324 eP	P	20 24 22.7 +0.6		
ILGA Ilgav	77.34 312 eP	P	20 24 23.7 +1.0		
TLCD	77.35 318 iP	P	20 24 23.4 +1.0		
PSZ Monsted Ugrnd	77.47 335 iP	P	20 24 23.9 +1.0		
comp=Z,40nm,1.1s					
BUR08 Bucovina Ar. S	77.51 322 eP	P	20 24 24.1 +0.6		
BUR04 Bucovina Ar. S	77.52 322 eP	P	20 24 23.7 +0.2		
BUR4R Bucovina Array	77.52 322 iP	P	20 24 24.3 +0.8		
BUR4R Bucovina Array	77.52 322 eP	P	20 24 24.2 +0.8		
RGN Rugen	77.53 332 eP	P	20 24 24.4 +1.1		
comp=Z,84nm,1.0s					
TESR Tescani	77.57 320 iP	P	20 24 23.6 -0.1		
CFR Carcaliu	77.71 319 iP	P	20 24 24.8 +0.5		
CCUT Cedar City	77.73 52 eP	P	20 24 25.6 +0.6		
comp=Z,13nm,1.2s					
PETR Petresti	77.81 319 iP	P	20 24 26.8 +1.8		
MSU Marysvalde	77.85 50 eP	P	20 24 27.4 +1.8		
MSU Marysvalde	77.85 50 eP	P	20 24 27.4 +1.8		
VRI Vrincoiaia	77.97 320 iP	P	20 24 27.8 +1.9		
VRI Vrincoiaia	77.97 320 eP	P	20 24 27.8 +1.9		
PJOR Plostina	78.02 320 iP	P	20 24 27.0 +0.8		
TIRR Tirusor	78.05 318 iP	P	20 24 26.9 +0.6		
TIRR Tirusor	78.05 318 eP	P	20 24 26.9 +0.6		
TIRR Tirusor	78.05 318 eP	P	20 24 26.9 +0.6		
TIRR Tirusor	78.05 318 eP	P	20 24 26.9 +0.6		
comp=Z,30nm,1.1s					
P17A Butcher Ranch	78.10 49 eP	P	20 24 28.0 +1.0		
STHS Stebnicka Huta	78.12 325 eP	P	20 24 28.3 +1.6		
STHS Stebnicka Huta	78.12 325 eP	P	20 24 28.3 +1.6		
STHS Stebnicka Huta	78.12 325 eP	P	20 24 28.3 +1.6		
LCMT Little Creek M	78.14 52 eP	P	20 24 28.5 +1.3		
MTPU Mount Pierson	78.14 51 eP	P	20 24 29.4 +2.0		
comp=Z,15nm,1.3s					
HARR Harsova	78.15 318 iP	P	20 24 28.4 +1.5		
TLB Topalu	78.16 318 iP	P	20 24 28.4 +1.5		
OJC Ojcow	78.18 326 eP	P	20 24 27.8 +0.9		
OJC Ojcow	78.18 326 eP	P	20 24 27.9 +0.9		
OJC Ojcow	78.18 326 eP	P	20 24 27.9 +0.9		
OJC Ojcow	78.18 326 eP	P	20 24 27.9 +0.9		
comp=Z,75nm,1.1s					
PFO Pinyon Flats O	78.19 57 eP	P	20 24 28.5 +1.0		
PFO Pinyon Flats O	78.19 57 eP	P	20 24 28.5 +1.0		
PFO Pinyon Flats O	78.19 57 eP	P	20 24 28.5 +1.0		
PFO Pinyon Flats O	78.19 57 eP	P	20 24 28.5 +1.0		
comp=Z,12nm,1.2s					
XPFO Pion Flat	78.20 57 eP	P	20 24 28.0 +0.4		
Q16A Castle Valley	78.20 50 eP	P	20 24 29.2 +1.7		
UZH Uzhgorod	78.20 324 iP	P	20 24 28.0 +0.9		
BR101 Keskin Array S	78.24 312 eP	P	20 24 27.9 +0.2		
BR131 Keskin Array S	78.24 312 eP	P	20 24 27.6 0.0		
BRTR Keskin Array B	78.24 312 eP	P	20 24 27.9 +0.2		
comp=Z,20nm,1.1s,baz=84,slow=3.8,SNR=75					
BRTR Preston Nutter	78.30 49 eP	P	21 02 50.1		
P18A Preston Nutter	78.30 49 eP	P	20 24 29.2 +1.0		
ULM Lac du Bonnet	78.39 34 eP	P	20 24 28.7 +0.6		
comp=Z,1.1m,0.8s,baz=298,slow=5.8,SNR=8.5					
ULM Lac du Bonnet	78.39 34 eP	P	20 24 28.1 0.0		
ULM Lac du Bonnet	78.39 34 eP	P	20 24 28.1 0.0		
ULM Lac du Bonnet	78.39 34 eP	P	20 24 28.1 0.0		
comp=Z,17nm,1.1s					
CRVS Cervenica-Dubn	78.39 324 eP	P	20 24 29.1 +0.9		
CRVS Cervenica-Dubn	78.39 324 eP	P	20 24 29.1 +0.9		
comp=Z,60nm,2.0s					
CRVNS Kanab	78.39 324 eP	P	20 24 29.1 +0.9		
CRVNS Kanab	78.40 52 eP	P	20 24 29.6 +1.0		
KNB Kanab	78.40 52 eP	P	20 24 29.6 +1.0		
KNB Kanab	78.40 52 eP	P	20 24 29.6 +1.0		
comp=Z,29nm,1.4s					
K22A Casper	78.44 44 eP	P	20 24 29.2 +0.4		
TRPA Tarpa	78.44 323 iP	P	20 24 29.7 +1.3		
TRPA Tarpa	78.44 323 eP	P	20 24 29.6 +1.2		
SRU San Rafael Swe	78.46 49 eP	P	20 24 30.1 +1.1		
SRU San Rafael Swe	78.46 49 eP	P	20 24 30.1 +1.1		
comp=Z,25nm,1.3s					
NIE Niedzica	78.55 325 eP	P	20 24 30.4 +1.4		
NIE Niedzica	78.55 325 eP	P	20 24 30.4 +1.4		
ISR Istrita	78.58 319 iP	P	20 24 30.7 +1.4		
DOPR Dopca	78.58 320 iP	P	20 24 31.3 +2.0		
MLR Muntele Rosu	78.63 320 LR	LR	21 00 22.0		
MLR Muntele Rosu	78.63 320 iP	P	20 24 30.9 +1.2		
MLR Muntele Rosu	78.63 320 eP	P	20 24 29.8 +0.1		
MLR Muntele Rosu	78.63 320 eP	P	21 00 22.0		
MLR Muntele Rosu	78.63 320 eP	P	20 24 29.8 +0.1		
comp=Z,45nm,1.3s					
ANTO Ankara	78.64 312 iP	P	20 24 30.9 +1.1		
ANTO Ankara	78.64 312 eP	P	20 24 29.6 -0.2		
ANTO Ankara	78.64 312 eP	P	20 24 30.9 +1.1		
ANTO Ankara	78.64 312 eP	P	20 24 29.6 -0.2		
comp=Z,45nm,1.0s					
BR231 Keskin P Arra	78.67 312 eP	P	20 24 30.8 +0.8		
PSN Preselentsi	78.70 317 iP	P	20 24 30.0 +0.1		
RSSD Black Hills	78.80 42 eP	P	20 24 31.7 +0.9		
RSSD Black Hills	78.80 42 eP	P	20 24 31.7 +0.9		
RSSD Black Hills	78.80 42 eP	P	20 24 31.7 +0.9		
RSSD Black Hills	78.80 42 eP	P	20 24 31.7 +0.9		
comp=Z,25nm,1.4s					
W13A Hualapai Mount	78.94 54 eP	P	20 24 32.7 +1.0		
CJR Cluj-Napoca	79.10 322 iP	P	20 24 32.8 +1.5		
U15A North Rim	79.14 52 eP	P	20 24 33.6 +1.0		
LANS Liptovska Anna	79.11 326 eP	P	20 24 33.7 +1.5		
LANS Liptovska Anna	79.11 326 eP	P	20 24 33.7 +1.5		
VOIR White River Ci	79.12 47 eP	P	20 24 32.0 -0.6		
O20A Ostrava-Krasne	79.18 327 eP	P	20 24 34.1 +1.6		
OKC Ostrava-Krasne	79.18 327 eP	P	20 24 34.1 +1.6		
OKC Ostrava-Krasne	79.18 327 eP	P	20 24 34.1 +1.6		
OKC Ostrava-Krasne	79.18 327 eP	P	20 24 34.1 +1.6		
comp=Z,600nm,19.5s					
KSP Ksiadz	79.21 328 eP	P	20 24 33.6 +1.0		
KSP Ksiadz	79.21 328 eP	P	20 24 33.6 +1.0		
Y12C Blythe	79.27 55 eP	P	20 24 33.8 -0.1		
ARR Arges	79.38 320 iP	P	20 24 35.6 +1.9		
MORC Moravsky Berou	79.49 327 eP	P	20 24 34.3 +0.1		
MORC Moravsky Berou	79.49 327 eP	P	20 24 34.3 +0.1		
MORC Moravsky Berou	79.49 327 eP	P	20 24 34.3 +0.1		
MORC Moravsky Berou	79.49 327 eP	P	20 24 34.3 +0.1		
comp=Z,148nm,1.0s					
DPC Dobruska-Polom	79.58 328 eP	P	20 24 35.7 +1.0		
DPC Dobruska-Polom	79.58 328 eP	P	20 24 35.7 +1.0		
DPC Dobruska-Polom	79.58 328 eP	P	20 24 35.7 +1.0		
DPC Dobruska-Polom	79.58 328 eP	P	20 24 35.7 +1.0		
comp=Z,400nm,14.5s					
DPC Dobruska-Polom	79.58 328 eP	P	20 24 35.7 +1.0		
DPC Dobruska-Polom	79.58 328 eP	P	20 24 35.7 +1.0		
DPC Dobruska-Polom	79.58 328 eP	P	20 24 35.7 +1.0		
comp=Z,400nm,14.5s					
UPC Upipe	79.58 328 eP	P	20 24 35.2 +0.5		
UPC Upipe	79.58 328 eP	P	20 24 35.2 +0.5		
UPC Upipe	79.58 328 eP	P	20 24 35.2 +0.5		
UPC Upipe	79.58 328 eP	P	20 24 35.2 +0.5		
comp=Z,500nm,23.0s					
UPC Upipe	79.58 328 eP	P	20 24 35.2 +0.5		
UPC Upipe	79.58 328 eP	P	20 24 35.2 +0.5		
UPC Upipe	79.58 328 eP	P	20 24 35.2 +0.5		
UPC Upipe	79.58 328 eP	P	20 24 35.2 +0.5		
comp=Z,500nm,23.0s					
KRLC Kraliky	79.59 328 eP	P	20 24 36.7 +1.9		
KRLC Kraliky	79.59 328 eP	P	20 24 36.7 +1.9		

PV09 Paradox Valley	79.69 49 eP	P	20 24 36.7 +0.8		
LUT Lotru	79.75 321 iP	P	20 24 36.7 +0.9		
HOM Humele	79.79 320 iP	P	20 24 37.1 +1.2		
PSZ Piszkesteto	79.83 324 iP	P	20 24 37.2 +1.1		
PSZ Piszkesteto	79.83 324 iP	P	20 24 37.1 +1.1		
PSZ Piszkesteto	79.83 324 eP	P	20 24 36.6 +0.5		
PSZ Piszkesteto	79.83 324 eP	P	20 24 36.6 +0.5		
AGMN Agassiz North	79.83 35 eP	P	20 24 35.7 -0.4		
comp=Z,67nm,1.2s					
DEV Deva	79.87 322 iP	P	20 24 37.1 +0.8		
VYHS Vyhne	79.88 325 eP	P	20 24 37.4 +1.1		
comp=Z,456nm,4.3s					
VYHS Vyhne	79.88 325 eP	P	20 24 37.4 +1.1		
VYHS Vyhne	79.88 325 eP	P	20 24 37.4 +1.1		
VYHS Vyhne	79.88 325 eP	P	20 24 37.4 +1.1		
PHWY Pilot Hill	79.94 45 eP	P	20 24 37.5 +0.4		
comp=Z,10.0nm,0.6s					
N23A Red Feather La	79.94 45 eP	P	20 24 37.5 +0.4		
BRG Berggiesshubel	80.15 329 eP	P	20 24 38.5 +0.8		
BRG Berggiesshubel	80.15 329 eP	P	20 24 38.5 +0.8		
BRG Berggiesshubel	80.15 329 eP	P	20 24 38.5 +0.8		
BRG Berggiesshubel	80.15 329 eP	P	20 24 38.5 +0.8		
comp=Z,33nm,1.1s					
BRG	80.15 329 eP	P	20 24 38.5 +0.8		
BRG	80.15 329 eP	P	20 24 38.5 +0.8		
BRG	80.15 329 eP	P	20 24 38.5 +0.8		
BRG	80.15 329 eP	P	20 24 38.5 +0.8		
comp=N,588nm,18.9s					
BRG	80.15 329 eP	P	20 24 38.5 +0.8		
comp=E,386nm,20.5s					
BRG	80.15 329 eP	P	20 24 38.5 +0.8		
comp=Z,769nm,13.6s					
PVCC Panska Ves	80.16 329 eP	P	20 24 38.9 +1.1		
PVCC Panska Ves	80.16 329 eP	P	20 24 38.9 +1.1		
PVCC Panska Ves	80.16 329 eP	P	20 24 38.9 +1.1		
PVCC Panska Ves	80.16 329 eP	P	20 24 38.9 +1.1		
comp=Z,600nm,16.5s					
PVCC Panska Ves	80.16 329 eP	P	20 24 38.9 +1.1		
comp=Z,600nm,16.5s					
SZH Szchonica	80.17 318 iP	P	20 24 38.0 0.0		
CLL Collin	80.18 330 iP	P	20 24 38.3 +0.5		
CLL Collin	80.18 330 iP	P	20 24 38.3 +0.5		
CLL Collin	80.18 330 iP	P	20 24 38.3 +0.5		
CLL Collin	80.18 330 iP	P	20 24 38.3 +0.5		
comp=Z,600nm,18.5s					
CLL Collin	80.18 330 eP	P	20 24 37.9 +0.1		
CLL Collin	80.18 330 iP	P	20 24 38.3 +0.5		
CLL Collin	80.18 330 iP	P	20 24 38.3 +0.5		
CLL Collin	80.18 330 iP	P	20 24 38.3 +0.5		
comp=Z,58nm,1.1s					
CLL Collin	80.18 330 iP	P	20 24 38.3 +0.5		
comp=Z,600nm,18.5s					
Y14A Wickenburg	80.23 54 eP	P	20 24 39.0 +0.4		
VRAC Vranov	80.25 327 iP	P	20 24 39.1 +0.8		
VRAC Vranov	80.25 327 eP	P	20 24 39.0 +0.8		
WUAZ Wupatki	80.26 52 eP	P	20 24 39.3 +0.5		
RAYN Ar Rayn	80.42 292 eP	P	20 24 39.3 -0.4		
RAYN Ar Rayn	80.42 292 eP	P	20 24 39.7 0.0		
RAYN Ar Rayn	80.42 292 eP	P	20 24 39.7 0.0		
RAYN Ar Rayn	80.42 292 eP	P	20 24 39.7 0.0		
comp=Z,53nm,1.1s					
BUD Budapest	80.54 325 eP	P	20 24 40.5 +0.6		
GOPC GO Pecny, Ondr	80.55 328 eP	P	20 24 41.1 +1.2		
GOPC GO Pecny, Ondr	80.55 328 eP	P	20 24 41.1 +1.2		
GOPC GO Pecny, Ondr	80.55 328 eP	P	20 24 41.1 +1.2		
GOPC GO Pecny, Ondr	80.55 328 eP	P	20 24 41.1 +1.2		
comp=Z,500nm,19.1s					







5d 20h

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like CTU, HLID, LPM, SUA, JLVU, MVCO, DL2, etc.

2012 MAY

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like MSTX, 833A, VNA1, KULM, H17A, BOZ, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like TIY, LCO, WMOK, HKT, etc.



Table with columns for station name, frequency, and various signal quality metrics (e.g., S/NR, SNR, SNR=2, etc.).

Table with columns for station name, frequency, and various signal quality metrics (e.g., S/NR, SNR, SNR=2, etc.).

Table with columns for station name, frequency, and various signal quality metrics (e.g., S/NR, SNR, SNR=2, etc.).

CSEM 05 20:29:14.8, 43:51N:12:66E, h15km, MLO,6/4

ROM 05 20:29:14.8-0.2, 43:51N:12:66E, h15km, MLO,6/2, Central Italy

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual.

PIE1	Pieia	0.10 286	P	Pg	20 29 18.7 +0.6
PIE1	comp=E,59um,0.1s		AML	AML	
PIE1	comp=N,25um,0.2s		AML	AML	
PIE1	comp=N,25um,0.2s		AML	AML	
PIE1	comp=E,59um,0.1s		AML	AML	
NARO	Abbazia di Nar	0.12 330	P	Pg	20 29 18.5 +0.2
NARO	Abbazia di Nar	0.12 330	P	Sb	20 29 21.4 0.0
NARO	Abbazia di Nar	0.12 330	P	Pg	20 29 18.5 +0.2
MPAG	Monte Paganucc	0.14 31	P	Pg	20 29 18.9 +0.2
MPAG	Monte Paganucc	0.14 31	P	Sb	20 29 22.2 +0.1
MPAG	Monte Paganucc	0.14 31	P	Pg	20 29 18.9 +0.3
MPAG	comp=E,34um,1.6s		AML	AML	
MPAG	comp=N,36um,1.6s		AML	AML	
MPAG	comp=E,34um,1.6s		AML	AML	
MPAG	comp=N,36um,1.6s		AML	AML	
ATPC	Poggio Castell	0.15 259	P	Pg	20 29 18.0 -0.7
ATPC	Poggio Castell	0.15 259	P	S	20 29 22.2 -0.1
ATPC	Poggio Castell	0.15 259	P	Sb	20 29 18.9 +0.2

BUIJ 05 20:34:03.6,5:35S;147:26E,h201km,mb4.5/38,mb4.8/20  
 ISCBJ 05 20:34:04.1,0.6,5:49S;02:147:18E,0.03,h214km,5km,  
 mb4.6/146,Error ellipse: s-maj=4.6km s-min=3.7km  
 az=173.7

DJA 05 20:34:04.3,0.6,6:54S;14:7E,h183km,6km,M5.1/11,  
 m35.5/1,mb4.3/1,MLV6.2/3,MWimV5.0/1  
 IDC 05 20:34:04.4,0.6,5:56S;147:15E,h205km,5km,mb4.2/24,  
 mb1.4/329,mb1mx4.1/51,mbtmp4.7/29,Error ellipse:  
 s-maj=11.2km s-min=6.0km az=92.0

NEIC 05 20:34:04.2,0.1,5:49S;147:19E,mb4.7/125,Error  
 ellipse: s-maj=3.3km s-min=2.6km az=82.0  
 ISC 05 20:34:06.0,4,5:55S;02:147:15E,0.04,h207km,3km,  
 h207km:pp,P,288,0:17/321,mb4.7/144,1C-3D,ASCern

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
MANU	Manus Island	3.48	3	ePn	Pn	20 35 01.8 +1.4	
PMG	Port Moresby	3.84	180	eP	Pn	20 35 04.3 -0.3	
PMG	Port Moresby	3.84	180	ePn	S	20 35 49.6 -1.8	
PMG	Port Moresby	3.84	180	ePn	S	20 35 04.0 -0.6	
PMG	Port Moresby	3.84	180	eS	Pn	20 35 48.3 -3.1	
RABL	Rabaul	5.17	75	ePn	Pn	20 35 21.2 -0.1	
JAY	Jayapura	7.10	295	eP	Pn	20 35 49.9 +0.6	
JAY	Jayapura	7.10	295	eP	S	20 37 02.1 -4.9	
GENI	Genyem	7.56	293	eP	Pn	20 35 51.6 -0.6	
GENI	Genyem	7.56	293	eP	S	20 37 12.3 -5.5	
COEN	Coen	9.23	205	eP	Pn	20 36 15.9 +2.1	
COEN	Coen	9.23	205	ePn	Pn	20 36 15.2 +1.4	
MTSU	Mount Surprise	12.82	192	eP	Pn	20 37 02.1 -0.8	
HNR	Honiara	13.26	108	eP	Pn	20 37 04.8 -0.3	
HNR	Honiara	13.26	108	ePn	Pn	20 37 04.0 -1.2	
HNR	Honiara	13.26	108	ePn	Pn	20 37 04.5 -0.7	
CTA	Charters Tower	14.48	183	eP	Pn	20 37 20.4 +0.2	
CTA	Charters Tower	14.48	183	ePn	Pn	20 37 27.7 0.0	
FAKI	Fak Fak	15.09	279	ePn	Pn	20 37 27.7 0.0	
SLJI	Sorong	16.52	286	eP	Pn	20 37 45.2 +0.2	
SLJI	Sorong	16.52	286	eP	Pn	20 37 45.2 +0.2	
PATS	Pohnpei	16.59	42	eP	Pn	20 37 46.6 +0.8	
PATS	Pohnpei	16.59	42	eP	Pn	20 37 46.6 +0.8	
QIS	Mount Isa	16.63	205	eP	Pn	20 37 46.9 +0.7	
MTN	Manton Dam	17.39	244	eP	Pn	20 37 55.2 0.0	
MTN	Manton Dam	17.39	244	eP	Pn	20 37 55.2 0.0	
WRAB	Tennant Creek	18.96	220	eP	Pn	20 38 10.7 +0.5	
WRAB	Tennant Creek	18.96	220	eP	Pn	20 38 10.7 +0.5	
WB2	Warramunga Arr	18.97	220	eP	Pn	20 38 10.2 -0.4	
WR1	Warramunga Arr	18.98	220	eP	Pn	20 38 11.6 +0.9	
WR1	Warramunga Arr	18.98	220	eP	Pn	20 38 11.6 +0.9	
WR1	Warramunga Arr	18.98	220	eP	Pn	20 38 11.6 +0.9	
WRA	Warramunga Arr	18.98	220	eP	Pn	20 38 11.6 +0.9	
WRA	Warramunga Arr	18.98	220	eP	Pn	20 38 11.6 +0.9	
WRA	Warramunga Arr	18.98	220	eP	Pn	20 38 11.6 +0.9	
GUMO	Guam	19.14	353	eP	Pn	20 38 15.0 -0.8	
EIDS	Eidsvold	20.07	170	eP	Pn	20 38 24.7 -2.2	
EIDS	Eidsvold	20.07	170	eP	Pn	20 38 24.7 -2.2	
KNRQ	Kunurra	20.67	239	eP	Pn	20 38 29.7 +0.9	
KNRQ	Kunurra	20.67	239	eP	Pn	20 38 29.7 +0.9	
RMQA	Roma	20.88	176	eP	Pn	20 38 32.6 +1.7	
QLP	Quilpie	21.11	187	eP	Pn	20 38 34.6 +1.3	
ASO1	Alice Springs	22.05	214	eP	Pn	20 38 43.8 +0.9	
ASO1	Alice Springs	22.05	214	eP	Pn	20 38 43.8 +0.9	
AS31	Alice Springs	22.08	214	eP	Pn	20 38 44.2 +1.1	
AS31	Alice Springs	22.08	214	eP	Pn	20 38 44.2 +1.1	
ASAR	Alice Springs	22.08	214	eP	Pn	20 38 44.6 +1.5	
ASAR	Alice Springs	22.08	214	eP	Pn	20 38 44.6 +1.5	
ASAR	Alice Springs	22.08	214	eP	Pn	20 38 44.6 +1.5	
ASAR	Alice Springs	22.08	214	eP	Pn	20 38 44.6 +1.5	
SOEI	Soe	23.06	258	eP	Pn	20 38 55.0 +2.8	
FITZ	Fitzroy Crossi	24.44	237	eP	Pn	20 39 05.6 +1.0	
FITZ	Fitzroy Crossi	24.44	237	eP	Pn	20 39 05.6 +1.0	
LWU1	Luwuk	24.74	280	eP	Pn	20 39 07.6 +0.2	
LWU1	Luwuk	24.74	280	eP	Pn	20 39 07.6 +0.2	
DZM	Mont Dzumac	24.86	133	eP	Pn	20 39 09.7 +1.2	
DZM	Mont Dzumac	24.86	133	eP	Pn	20 39 09.7 +1.2	
DAV	Davao City (W)	24.91	300	eP	Pn	20 39 10.3 +1.4	
MMRI	Maumere	24.91	261	eP	Pn	20 39 09.0 +0.1	
ARMA	Armidade	25.10	171	eP	Pn	20 39 11.8 +1.3	
ARMA	Armidade	25.10	171	eP	Pn	20 39 11.6 +1.0	
WRKA	Warakurna	26.51	221	eP	Pn	20 39 24.1 +0.9	
TARA	Tarawa	26.63	76	eP	Pn	20 39 25.2 +0.8	
STKA	Stephens Creek	26.71	191	eP	Pn	20 39 25.5 +0.7	
STKA	Stephens Creek	26.71	191	eP	Pn	20 39 25.5 +0.7	
STKA	Stephens Creek	26.71	191	eP	Pn	20 39 25.5 +0.7	
PCI	Palu	27.65	279	eP	Pn	20 39 36.5 +3.0	
LHI	Lord Howe Isla	28.15	158	eP	Pn	20 39 38.0 +0.4	
HTT	Hallett	28.78	194	eP	Pn	20 39 45.1 +1.8	
BBOO	Bucktebo	29.03	200	eP	Pn	20 39 46.1 +0.7	
CAN	Canberra	29.68	177	eP	Pn	20 39 52.0 +0.8	
MBWA	Marble Bar	30.78	237	eP	Pn	20 40 01.5 +0.5	
FORT	Forrest	30.86	213	eP	Pn	20 40 02.6 +1.1	
MSVF	Nonsauv	32.53	114	eP	Pn	20 40 16.0 -0.4	
CBJ	Chichi jima	32.80	352	eP	Pn	20 40 18.2 -0.3	
JAGI	Jajag, Banyuwa	32.88	263	eP	Pn	20 40 22.2 +2.7	

MEEK	Meekatharra	34.36	229	eP	Pn	20 40 33.2 +1.1	
MEEK	Meekatharra	34.36	229	eP	Pn	20 40 33.2 +1.1	
KMB	Kambalda	34.95	220	eP	Pn	20 40 37.8 +0.8	
JOW	Kunigami	37.02	331	eP	Pn	20 40 55.7 +1.1	
JOW	Kunigami	37.02	331	eP	Pn	20 40 55.2 +0.6	
KSM	Kuching	37.45	280	eP	Pn	20 41 00.9 +2.4	
KLBR	Kellerberrin	37.81	223	eP	Pn	20 41 01.6 +0.4	
YULB	Yule	38.27	320	eP	Pn	20 41 05.4 +0.2	
OUZ	Omahuta	38.29	144	eP	Pn	20 41 07.1 +1.9	
TPUB	Taru	38.64	319	eP	Pn	20 41 08.6 +0.3	
NACB	Ninganchiao	38.64	321	eP	Pn	20 41 09.4 +1.2	
SSLB	Suanglung	38.77	320	eP	Pn	20 41 10.1 +0.7	
NWAO	Narrogin (SRO)	38.97	222	eP	Pn	20 41 12.0 +1.1	
CISI	Cisompot, Garu	39.12	265	eP	Pn	20 41 11.5 -1.0	
YHNB	Yeheng	39.14	321	eP	Pn	20 41 12.8 +0.4	
TATO	Taipei	39.29	322	eP	Pn	20 41 13.3 -0.2	
LEM	Lembang	39.32	266	eP	Pn	20 41 14.5 +0.3	
RKGY	Rocky Gully	40.18	220	eP	Pn	20 41 22.5 +1.6	
KNTN	Kanton	41.10	88	eP	Pn	20 41 29.1 +0.4	
AFI	Afiama	41.27	105	eP	Pn	20 41 30.0 -0.1	
HIZ	Haiti	41.33	346	eP	Pn	20 41 31.9 +1.8	
JNU	Nakatsue	41.44	339	eP	Pn	20 41 30.8 -0.4	
JNU	Nakatsue	41.44	339	eP	Pn	20 41 31.5 +0.3	
INU	Inuyama	41.78	348	eP	Pn	20 41 33.9 +0.1	
MXZ	Matakaoa Point	42.68	143	eP	Pn	20 41 40.4 -0.7	
MJAR	Matsushiro Arr	42.70	349	eP	Pn	20 41 40.7 -0.5	
BKZ	Bak Stump Fm	42.70	146	eP	Pn	20 41 41.4 +0.1	
BKZ	Matsushiro	42.70	349	eP	Pn	20 43 27.6 -1.5	
MAJO	Matsushiro	42.70	349	eP	Pn	20 41 41.4 +0.2	
MAT	Matsushiro	42.70	349	eP	Pn	20 41 41.0 -0.2	
MJB9	Matsu-Tunnel	42.70	349	eP	Pn	20 41 41.4 +0.2	
THZ	Tophouse	42.74	151	eP	Pn	20 41 42.3 +0.7	
FOZ	Fox Glacier	42.78	156	eP	Pn	20 41 42.1 +0.3	
LTZ	Lake Taylor	43.24	153	eP	Pn	20 41 46.7 +1.2	
SNZO	South Karori	43.28	149	eP	Pn	20 41 46.2 +0.4	
DCZ	Deep Cove	43.41	159	eP	Pn	20 41 48.4 +1.2	
RPZ	Rata Peaks	43.45	155	eP	Pn	20 41 47.4 +0.3	
KHZ	Kahutara	43.55	151	eP	Pn	20 41 47.5 -0.4	
KHZ	Kahutara	43.55	151	eP	Pn	20 41 47.5 -0.4	
WKZ	Wanaka	43.55	157	eP	Pn	20 41 49.5 +1.5	
OXZ	Oxford	43.57	154	eP	Pn	20 41 49.0 +0.9	
BFZ	Birch Farm	43.63	148	eP	Pn	20 41 49.2 +0.6	
BFZ	Lake Benmore	43.64	156	eP	Pn	20 43 30.2 -1.9	
LBZ	Lake Benmore	43.64	156	eP	Pn	20 41 49.0 +0.3	
MLZ	Mavora Lakes	43.67	159	eP	Pn	20 41 49.5 +0.6	
PYZ	Puysgurg Point	43.86	160	eP	Pn	20 41 50.9 +0.5	
CRZL	Canterbury Las	44.02	153	eP	Pn	20 41 53.1 +1.4	
MNAI	Manna	44.04	269	eP	Pn	20 41 52.0 -0.3	
WHZ	Wether Hill Ro	44.06	159	eP	Pn	20 41 52.5 +0.5	
MOZ	McQueen's Vall	44.14	153	eP	Pn	20 41 53.7 +1.1	
NDZ	North Downs	44.37	156	eP	Pn	20 41 55.5 +1.1	
NJ2	Nanjing	46.09	326	eP	Pn	20 42 09.3 +1.2	
NJ2	Nanjing	46.09	326	eP	Pn	20 42 09.3 +1.2	
KSR5	Korea Arry	46.38	339	eP	Pn	20 42 10.7 +0.4	
KSR5	Korea Arry	46.38	339	eP	Pn	20 42 55.6 +0.4	
KS15	Wonju Arry Si	46.39	339	eP	Pn	20 42 10.8 +0.5	
KSAR	Wonju Arry Be	46.39	339	eP	Pn	20 42 10.7 +0.4	
KSAR	Wonju Arry Be	46.39	339	eP	Pn	20 42 55.6 +0.4	
KS01	Wonju Arry Si	46.42	339	eP	Pn	20 42 11.3 +0.7	
IPM	Ipo	47.13	281	eP	Pn	20 42 16.0 -0.6	
ASAJ	Asahikawa	49.60	356	eP	Pn	20 42 34.4 -0.4	
ASAJ	Asahikawa	49.60	356	eP	Pn	20 42 35.6 +0.7	
MCQ	Macquarie Isla	49.74	171	eP	Pn	20 42 36.0 +0.3	
GSI	Gungahitoli	49.98	276	eP	Pn	20 42 36.9 -1.3	
COCO	West Island	50.09	259	eP	Pn	20 42 39.7 +0.7	
PBKT	Sadao Pong	50.68	297	eP	Pn	20 42 42.9 -0.5	
PBKT	Sadao Pong	50.68	297	eP	Pn	20 42 42.9 -0.5	
ENH	Enshi	50.69	317	eP	Pn		



2012 MAY

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like Borovoye Array, Eagle, Haines Junction, Dawson, Inuvik, Hull Mountain, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like Mitsune, Hachioji jima, Matsuhiro, MAJOSH, MAJOSH, etc.

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

MOS 05:20:53:47.3.1.3, 35.47N:141.05E, h29km, mb4.4/30, Error ellipse: s-maj=10.4km s-min=6.1km az=109.8

ISC/B 05:20:53:48.0.2.35, 42N:0.03:141.04E:0.04, h33km, mb4.5/66, MS4.9/2, Error ellipse: s-maj=4.3km

MEX 05:20:56:34.0.4, 14.02N:93.05W, h75km, 55km, MD4.0, Near coast of Chiapas

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



s-min=12.0km az=95.0  
ISC 05 21:54:25.1.2, 1.3732N, 0104.14192E, 0.07, h12km, 12km,  
n38, r13042, mb3.9/14, Near east coast of eastern

az=43.0 70 km WNW of Wroclaw Suspected Mining  
Induced.  
ISC 05 22:04:31.9.0.5, 51.53N, 0102.1608E, 0.02, h0km, m220,  
c167/324, mb3.4/8, 3C-5D, Poland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like JFK, ONAJ, JMM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like KSP, KSI, KSI, etc.

Table with columns: NKC, comp=N, 129nm, 0.4s, sG, Sg, Time, Res, ISC. Rows include stations like Novy Kostel, Ojcow, etc.

ISC 05 21:55:43.9.7.9, 30.52S, 136.78E, h0km, mb1 3.0/3,  
mb1mx3.0/42, mbmp2.8/3, ML2.7/3, Error ellipse:  
s-maj=151.9km s-min=20.9km az=36.0  
AUST 05 21:55:44.0.0.0, 20.18S, 130.64E, h10km, Error ellipse:  
s-maj=0.3km s-min=0.1km az=12.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like BB00, BBOO, HTT, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like FBE, FBE, FBE, etc.

Table with columns: NKC, comp=N, 129nm, 0.4s, sG, Sg, Time, Res, ISC. Rows include stations like BSD, BSD, BSD, etc.

ISC 05 22:03:05.7.2.0, 0.77S, 133.25E, h0km, mb3.1/2,  
mb1 3.4/3, mb1mx3.2/53, mbmp3.2/3, ML3.0/1, Error  
ellipse: s-maj=33.3km s-min=18.5km az=12.0, Irian  
Jay region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like RAC, RAC, RAC, etc.

Table with columns: NKC, comp=N, 129nm, 0.4s, sG, Sg, Time, Res, ISC. Rows include stations like ARSA, ARSA, ARSA, etc.

ISC/JB 05 22:04:30.2.0.2, 51.54N, 0101.1608E, 0.02, h0km,  
mb3.5/8, Error ellipse: s-maj=1.8km s-min=1.7km  
az=177.1  
MOS 05 22:04:31.6.1.2, 51.63N, 16.13E, h10km, mb4.0/3, Error  
ellipse: s-maj=10.2km s-min=4.6km az=84.1  
CSEM 05 22:04:32.0.1.1, 51.53N, 16.09E, h2km, ML3.8/15, Ms3.5,  
Error ellipse: s-maj=2.3km s-min=2.0km az=120.0  
PRU 05 22:04:33.4.1.5, 51.50N, 16.10E, h0km  
BGR 05 22:04:33.6.0.3, 51.49N, 16.11E, h1km, ML3.5/15, Error  
ellipse: s-maj=4.4km s-min=2.2km az=16.0  
IDC 05 22:04:33.0.3.5, 51.51N, 16.00E, h0km, mb3.5/8,  
mb1 3.7/15, mb1mx3.5/63, mbmp3.5/15, ML3.5/7, Error  
ellipse: s-maj=9.8km s-min=6.2km az=109.0  
UPP 05 22:04:33.0.3.5, 51.46N, 15.42E, h0km, ML2.0  
LDG 05 22:04:33.6.0.1, 51.42N, 16.04E, h1km, M3.4/10, Error  
ellipse: s-maj=3.6km s-min=2.0km az=2.0, Suspected  
Mining induced.  
VIE 05 22:04:35.7.0.9, 51.30N, 16.05E, h0km, mb3.0/14,  
m3.2/13, ms3.5/3, Error ellipse: s-maj=9.5km s-min=6.8km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like CHZP, CHZP, CHZP, etc.

Table with columns: NKC, comp=N, 129nm, 0.4s, sG, Sg, Time, Res, ISC. Rows include stations like ARSA, ARSA, ARSA, etc.



IVAS			eSn	Sn	22 15 35.1 +2.0
BEY	Berane	2.61 111	ePn	Pb	22 15 04.6 -2.1
IVA	Berane	2.61 111	eSn	Sb	22 15 07.9 -0.9
IVA	Berane	2.61 111	ePn	Pb	22 15 04.6 -2.1
LJU	Ljubljana	2.62 327	eSn	Sb	22 15 37.7 -0.9
LJU	Ljubljana	2.62 327	ePn	Pn	22 15 04.4 +2.5
LJU	Ljubljana	2.62 327	P	Pn	22 15 04.8 +2.9
LJU			AML	AML	22 15 04.8 +2.9
LJU	comp=E,486µm,0.6s		AML	AML	
LJU	comp=N,486µm,0.5s		AML	AML	
LJU	comp=E,486µm,0.6s		AML	AML	
LJU	comp=N,486µm,0.5s		AML	AML	
FGSL	Fruska Gora	2.64 60	ePn	Pn	22 15 03.0 +0.8
FGSL	Fruska Gora	2.64 60	eSn	Sb	22 15 37.4 -1.9
FRGS	Fruska Gora	2.64 60	ePn	Pn	22 15 03.0 +0.8
FRGS	Fruska Gora	2.64 60	eSn	Sb	22 15 37.4 -1.9
ARVD	Arcevia	2.67 263	P	Pn	22 15 04.4 +1.7
ARVD	Arcevia	2.67 263	P	Pn	22 15 04.4 +1.7
ARVD	comp=E,144µm,0.6s		AML	AML	
ARVD	comp=N,215µm,0.7s		AML	AML	
ARVD	comp=N,215µm,0.7s		AML	AML	
ARVD	comp=E,144µm,0.6s		AML	AML	
SMA1	SAN MARTINO	2.68 244	P	Pn	22 15 04.8 +1.9
SMA1	SAN MARTINO	2.68 244	P	Pn	22 15 04.8 +1.9
SMA1	comp=E,262µm,1.5s		AML	AML	
SMA1	comp=N,256µm,1.6s		AML	AML	
SMA1	comp=N,256µm,1.6s		AML	AML	
SMA1	comp=N,256µm,1.6s		AML	AML	
SMA1	comp=E,262µm,1.5s		AML	AML	
FDMO	Fiordimonte	2.68 253	P	Pn	22 15 04.2 +1.3
FDMO	Fiordimonte	2.68 253	P	Pn	22 15 04.2 +1.3
FDMO	comp=E,63µm,1.2s		AML	AML	
FDMO	comp=N,72µm,0.5s		AML	AML	
FDMO	comp=E,196µm,0.5s		AML	AML	
FDMO	comp=N,114µm,0.6s		AML	AML	
FDMO	comp=E,196µm,0.5s		AML	AML	
FDMO	comp=N,114µm,0.6s		AML	AML	
INTR	Introdacqua	2.71 228	P	Pn	22 15 04.6 +1.3
INTR	Introdacqua	2.71 228	P	Pn	22 15 04.6 +1.3
INTR	comp=E,250µm,1.2s		AML	AML	
INTR	comp=N,372µm,0.9s		AML	AML	
INTR	comp=E,250µm,1.2s		AML	AML	
INTR	comp=N,372µm,0.9s		AML	AML	
INTR	comp=E,250µm,1.2s		AML	AML	
INTR	comp=N,372µm,0.9s		AML	AML	
TRI	Trieste	2.72 313	P	Pn	22 15 06.2 +2.9
TRI	Trieste	2.72 313	P	Pn	22 15 06.2 +2.9
TRI	comp=E,230µm,0.9s		AML	AML	
TRI	comp=N,210µm,0.4s		AML	AML	
TRI	comp=N,210µm,0.4s		AML	AML	
TRI	comp=N,210µm,0.4s		AML	AML	
TRI	comp=N,210µm,0.4s		AML	AML	
FAGN	Fagnano	2.73 235	P	Pn	22 15 04.0 +0.5
FAGN	Fagnano	2.73 235	P	Pn	22 15 05.0 +1.5
FAGN	comp=E,696µm,0.4s		AML	AML	
FAGN	comp=N,523µm,0.5s		AML	AML	
FAGN	comp=E,696µm,0.4s		AML	AML	
FAGN	comp=N,523µm,0.5s		AML	AML	
ULC	Ulcinj	2.73 133	P	Pn	22 15 05.3 +1.8
ULC	Ulcinj	2.73 133	P	Pn	22 15 41.6 -0.4
ULC	Ulcinj	2.73 133	ePn	Sb	22 15 41.6 -0.4
ULC	Ulcinj	2.73 133	eSn	Sb	22 15 41.6 -0.4
MORH	M'ir'ig'y, Hung	2.76 31	ePn	Pn	22 15 04.0 +0.2
MORH	M'ir'ig'y, Hung	2.76 31	eSn	Sg	22 15 48.0 -0.8
MORH	M'ir'ig'y, Hung	2.76 31	ePn	Pn	22 15 04.0 +0.2
FSSB	Fossombrone	2.77 268	P	Pn	22 15 06.5 +2.5
FSSB	Fossombrone	2.77 268	P	Pn	22 15 06.5 +2.5
FSSB	comp=E,318µm,0.3s		AML	AML	
FSSB	comp=N,473µm,0.4s		AML	AML	
FSSB	comp=E,318µm,0.3s		AML	AML	
FSSB	comp=N,473µm,0.4s		AML	AML	
TRUS	Trudelj	2.77 81	ePn	Pn	22 15 04.6 +0.5
TRUS	Trudelj	2.77 81	eSn	Sn	22 15 39.8 +2.5
TRUS	Trudelj	2.77 81	ePn	Pn	22 15 04.6 +0.5
TRUS	Trudelj	2.77 81	eSn	Sn	22 15 39.8 +2.5
PVY	Plav	2.77 116	ePn	Pb	22 15 07.3 -2.3
PVY	Plav	2.77 116	eSn	Sb	22 15 41.9 -1.5
PVY	Plav	2.77 116	ePn	Pb	22 15 07.3 -2.3
PVY	Plav	2.77 116	eSn	Sb	22 15 41.9 -1.5
AQU	L'Aquila	2.79 238	ePn	Pn	22 15 05.7 +1.4
MPAG	Monte Paganucc	2.79 266	P	Pb	22 15 07.7 -2.0
MPAG	Monte Paganucc	2.79 266	P	Pb	22 15 07.7 -2.0
MPAG	comp=E,150µm,0.9s		AML	AML	
MPAG	comp=N,242µm,0.6s		AML	AML	
MPAG	comp=N,242µm,0.6s		AML	AML	
MPAG	comp=N,242µm,0.6s		AML	AML	
RNI2	Rionero Sannit	2.82 220	P	Pn	22 15 06.4 +1.6
RNI2	Rionero Sannit	2.82 220	P	Pn	22 15 06.4 +1.6
RNI2	comp=E,196µm,0.8s		AML	AML	
RNI2	comp=N,180µm,1.4s		AML	AML	
RNI2	comp=E,196µm,0.8s		AML	AML	
RNI2	comp=N,180µm,1.4s		AML	AML	
MIDA	Miranda	2.82 218	P	Pn	22 15 05.4 +0.6
MIDA	Miranda	2.82 218	P	Pn	22 15 05.4 +0.6
MIDA	comp=E,270µm,0.8s		AML	AML	
MIDA	comp=N,244µm,0.5s		AML	AML	
MIDA	comp=N,244µm,0.5s		AML	AML	
MIDA	comp=N,244µm,0.5s		AML	AML	
CESI	CESI - Serrava	2.82 253	AML	AML	
CESI	CESI - Serrava	2.82 253	AML	AML	
CESI	comp=E,69µm,0.4s		AML	AML	
CESI	comp=N,132µm,0.4s		AML	AML	
CESI	comp=N,132µm,0.4s		AML	AML	
CESI	comp=N,132µm,0.4s		AML	AML	
T0104	Madonna delle	2.82 239	P	Pn	22 15 06.8 +2.0
T0104	Madonna delle	2.82 239	P	Pn	22 15 06.8 +2.0
T0104	comp=E,276µm,1.1s		AML	AML	
T0104	comp=N,271µm,0.7s		AML	AML	
T0104	comp=E,276µm,1.1s		AML	AML	
T0104	comp=N,271µm,0.7s		AML	AML	
FRON	Frontone	2.83 264	P	Pn	22 15 07.1 +2.3
FRON	Frontone	2.83 264	P	Pn	22 15 07.1 +2.3
FRON	comp=E,162µm,0.5s		AML	AML	
FRON	comp=N,258µm,1.1s		AML	AML	

FRON	comp=E,162µm,0.5s		AML	AML	
LNSS	comp=N,258µm,1.1s		AML	AML	
LNSS	Leonessa	2.89 245	P	Pn	22 15 07.6 +1.8
LNSS	Leonessa	2.89 245	P	Pn	22 15 07.6 +1.8
LNSS	comp=E,215µm,0.4s		AML	AML	
LNSS	comp=N,186µm,1.4s		AML	AML	
LNSS	comp=N,186µm,1.4s		AML	AML	
LNSS	comp=E,215µm,0.4s		AML	AML	
PTRJ	Pietraraja	2.93 212	P	Pn	22 15 07.7 +1.3
PTRJ	Pietraraja	2.93 212	P	Pn	22 15 07.7 +1.3
PTRJ	comp=E,268µm,0.6s		AML	AML	
PTRJ	comp=N,290µm,0.6s		AML	AML	
PTRJ	comp=E,268µm,0.6s		AML	AML	
PTRJ	comp=N,290µm,0.6s		AML	AML	
ATCC	AVT - Casa Cast	2.95 258	P	Pn	22 15 08.8 +2.2
ATCC	AVT - Casa Cast	2.95 258	P	Pn	22 15 08.8 +2.2
ATCC	comp=E,271µm,0.5s		AML	AML	
ATCC	comp=N,331µm,0.5s		AML	AML	
ATCC	comp=N,331µm,0.5s		AML	AML	
ATCC	comp=E,271µm,0.5s		AML	AML	
PIEI	Pieia	2.96 265	P	Pn	22 15 09.2 +2.5
PIEI	Pieia	2.96 265	P	Pn	22 15 09.2 +2.5
PIEI	comp=E,164µm,0.5s		AML	AML	
PIEI	comp=N,124µm,0.4s		AML	AML	
PIEI	comp=E,164µm,0.5s		AML	AML	
PIEI	comp=N,124µm,0.4s		AML	AML	
AMUR	Altamura	2.97 180	P	Pn	22 15 06.9 +0.1
AMUR	Altamura	2.97 180	P	Pn	22 15 06.9 +0.1
AMUR	comp=E,130µm,0.5s		AML	AML	
AMUR	comp=N,103µm,0.2s		AML	AML	
AMUR	comp=N,103µm,0.2s		AML	AML	
AMUR	comp=N,103µm,0.2s		AML	AML	
AMUR	comp=N,103µm,0.2s		AML	AML	
PALZ	Palazzo San Ge	2.97 189	P	Pn	22 15 07.2 +0.5
PALZ	Palazzo San Ge	2.97 189	P	Pn	22 15 07.2 +0.5
PALZ	comp=E,390µm,0.9s		AML	AML	
PALZ	comp=N,362µm,1.6s		AML	AML	
PALZ	comp=E,390µm,0.9s		AML	AML	
PALZ	comp=N,362µm,1.6s		AML	AML	
ASSB	Assisi San Ben	2.98 255	P	Pn	22 15 08.9 +1.9
ASSB	Assisi San Ben	2.98 255	P	Pn	22 15 08.9 +1.9
ASSB	comp=E,162µm,0.5s		AML	AML	
ASSB	comp=N,257µm,0.4s		AML	AML	
ASSB	comp=N,257µm,0.4s		AML	AML	
ASSB	comp=N,257µm,0.4s		AML	AML	
GRUS	Gruza	2.98 88	ePn	Pn	22 15 08.5 +1.5
GRUS	Gruza	2.98 88	eSn	Sn	22 15 43.5 +1.1
GRUS	Gruza	2.98 88	ePn	Pn	22 15 08.5 +1.5
GRUS	Gruza	2.98 88	eSn	Sn	22 15 43.5 +1.1
PTQR	Pietraquaria	2.98 233	P	Pn	22 15 09.3 +2.2
PTQR	Pietraquaria	2.98 233	P	Pn	22 15 09.3 +2.2
PTQR	comp=E,99µm,0.6s		AML	AML	
PTQR	comp=N,71µm,1.5s		AML	AML	
PTQR	comp=E,99µm,0.6s		AML	AML	
PTQR	comp=N,71µm,1.5s		AML	AML	
SABO	M.te Sabotino	2.99 316	P	Pn	22 15 09.2 +2.1
SABO	M.te Sabotino	2.99 316	P	Pn	22 15 09.2 +2.1
SABO	comp=E,456µm,0.5s		AML	AML	
SABO	comp=N,570µm,0.8s		AML	AML	
SABO	comp=N,570µm,0.8s		AML	AML	
SABO	comp=N,570µm,0.8s		AML	AML	
SABO	comp=N,570µm,0.8s		AML	AML	
OBKA	Obir	3.00 332	ePn	Pn	22 15 09.9 +2.5
OBKA	Obir	3.00 332	Pn	Pn	22 15 09.9 +2.5
OBKA	comp=N,6.9nm,0.3s		AML	AML	
OBKA	comp=N,6.9nm,0.3s		AML	AML	
FIAM	Fiamignano	3.01 239	P	Pn	22 15 09.4 +2.0
FIAM	Fiamignano	3.01 239	P	Pn	22 15 09.4 +2.0
FIAM	comp=E,128µm,0.8s		AML	AML	
FIAM	comp=N,113µm,0.5s		AML	AML	
FIAM	comp=N,113µm,0.5s		AML	AML	
FIAM	comp=N,113µm,0.5s		AML	AML	
VAGA	Valle Agricola	3.01 216	P	Pn	22 15 09.3 +1.9
VAGA	Valle Agricola	3.01 216	P	Pn	22 15 09.3 +1.9
VAGA	comp=E,138µm,0.6s		AML	AML	
VAGA	comp=N,290µm,0.6s		AML	AML	
VAGA	comp=N,290µm,0.6s		AML	AML	
VAGA	comp=N,290µm,0.6s		AML	AML	
SOKA	Soboth	3.01 339	ePn	Pn	22 15 09.3 +1.9
SOKA	Soboth	3.01 339	eSn	Sn	22 15 44.5 +1.2
SOKA	comp=E,2.2nm,0.1s		AML	AML	
SOKA	comp=E,9.2nm,0.3s		AML	AML	
SOKA	comp=E,2.2nm,0.1s		AML	AML	
SOKA	comp=E,9.2nm,0.3s		AML	AML	
SG1	Sgolgore (BA)	3.03 179	ePn	Pn	22 15 07.4 -0.3
SG1	Sgolgore (BA)	3.03 179	eSn	Sn	22 15 43.8 +0.1
PUK	Puka	3.04 126	/Pn	Sb	22 15 50.5 -0.5
PUK	Puka	3.04 126	AML	AML	
PUK	Puka	3.04 126	AML	AML	
PUK	Puka	3.04 126	AML	AML	
PUK	Puka	3.04 126	AML	AML	
NOCI	Noci	3.10 173	P	Pn	22 15 08.4 -0.2
NOCI	Noci	3.10 173	P	Pn	22 15 08.4 -0.2
NOCI	comp=E,266µm,1.2s		AML	AML	
NOCI	comp=N,314µm,0.4s		AML	AML	
NOCI	comp=E,266µm,1.2s		AML	AML	
NOCI	comp=N,314µm,0.4s		AML	AML	
SNAL	S. Angelo Dei	3.12 200	P	Pn	22 15 09.6 +0.7
SNAL	S. Angelo Dei	3.12 200	P	Pn	22 15 09.6 +0.7
SNAL	comp=E,215µm,0.8s		AML	AML	
SNAL	comp=N,208µm,1.6s		AML	AML	
SNAL	comp=E,215µm,0.8s		AML	AML	
SNAL	comp=N,208µm,1.6s		AML	AML	
PARC	Parchiule	3.16 267	P	Pn	22 15 11.9 +2.5
PARC	Parchiule	3.16 267	P	Pn	22 15 11.9 +2.5
PARC	comp=E,150µm,0.7s		AML	AML	
PARC	comp=N,170µm,0.8s		AML	AML</	





5d 23h

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
GEYT										
GYAO	ALIBECK ARRAY 10.49 280	1.3nm, 0.3s, baz=125, slow=11, SNR=7.1								
GYAO		2.0nm, 0.4s								
GYAO		10nm, 0.6s								
MK31	Makanchi Array	12.98 36								
MKAR	Makanchi Array	12.96 36								
PKAR		0.3nm, 0.3s, baz=219, slow=14, SNR=7.9								
PYUN	Piuthan	13.16 128								
DANN	Dangsing	13.19 125								
KOLN	Koldanda	13.78 127								
GKN	Gorkha	14.30 124								
KURBB	Kurchatov Arra	14.83 18								
KKN	Kakani	14.87 123								
DMN	Daman	14.87 124								
AB31	Akbulak array	14.95 330								
AB31		1.4nm, 0.4s, baz=145, slow=12, SNR=6.2								
PKIN	Phulchoiki	15.08 123								
GUN	Gumba	15.20 121								
JIRN	Jiri	15.57 121								
BVA0	Borovoye Array	16.28 358								
BVA0		1.3nm, 0.5s, baz=155, slow=9.0, SNR=25.5								
BVA0		1.2nm, 0.5s, baz=156, slow=10, SNR=29								
BRVK	Borovoye	16.32 358								
AKTO	Aktyubinsk	16.65 329								
AKTO		1.0nm, 0.3s, baz=139, slow=11, SNR=16								
AKTO		0.1nm, 0.3s, baz=106, slow=18, SNR=2.9								
AKTO		1.665 329								
ZALV	Zalesovo Beam	19.61 24								
GNI	Garni	20.96 287								
ARU	Art	21.45 341								
KBZ	Khabaz	22.64 297								
BR3	Bratsk	22.92 252								
AKASG	Malin Array Be	32.92 308								
FINES	FINESS Array B	37.37 326								
ARCES	ARCES Array B	40.98 337								
HFS	Hagfors	42.97 322								
NB2	NORSAR Subarray	44.28 323								
NOA	NORSAR Array B	44.28 323								
EKA	Eskdalemuir Arr	52.22 316								
ESDC	Sonsec Array	57.90 298								
TORD	Torodi Arr. Be	65.99 269								
KOWA	Kowa	69.73 273								
YKA	Yellowknife A	80.49 3								
WRA	Warramunga Arr	81.98 122								
ASAR	Alice Springs	84.26 125								

NEIC 05 22:39:03.4-0.0, 14°15'N-93°31'W, h11km, MD4.0(MEX), After MEX.

MEX 05 22:39:03.4-0.0, 14°15'N-93°31'W, h11km, 50km, MD4.0, Near coast of Chiapas

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
PCIG		1.55	3	eP						
PCIG		1.55	3	iS						
PCIG		1.55	3	eP						
CCIG	Comitan	2.41	28	iS						
CCIG		2.41	28	eP						
CCIG		2.41	28	eP						
CCIG		2.41	28	eP						
CCIG		2.62	4	eP						
CCIG		2.62	4	eP						
CCIG		2.62	4	eP						
CCIG		2.62	4	eP						
CCIG		7.72	38	iS						

KRSC 05 22:45:37.8-2.4, 51°03'N-157°44'E, h144km, 22km, ML3.8, Near east coast of Kamchatka Peninsula

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
PAU	Pauzhetka	0.59 318								
KDTR	Khodutka, Kamc	0.88 27								
SKR	Severo-Kuril's	0.91 248								
MIPR	Malaya Ipe'l'ka	1.32 342								
ASAK	Asacha	1.39 12								
MTRV	Mutnovka	1.53 17								
RUS	Russkaya	1.56 25								
KRMR	Karymsinskiy	1.85 13								
KRMR		2.13 20								
DALK	Dalny	2.16 22								
UGLR	Uglovaya	2.34 21								
UGLR		2.34 21								
AVH	Avacha	2.38 19								
KOK	Koryaka	2.38 18								
KOK		2.38 18								
SMAR	Somma	2.39 20								
SMAR		2.39 20								
KRER	Koryakskii	2.42 19								
KRER		2.42 19								
SDLR	Sedlovina	2.42 21								
NLC	Nalytchevo	2.46 28								
NLC		2.46 28								
KRX	Arik	2.45 17								
KRX		2.45 17								
SPN	Mys Shipunski	2.62 37								
SPN		2.62 37								
GNL	Ganally	2.69 6								
KZV	Kizimen	4.44 22								
KZV		4.44 22								
KBTR	Krutoberegovo	6.09 30								

ISC 05 22:51:47.5-0.8, 2°10'N-93°16'E, h0km, mb3.9/10, mb1.4/0.13, mb1mx3.7/63, mbtmp3.9/13, ML3.9/2, MS3.7/2, Ms1.3/7.2, ms1mx2.9/65, Error ellipse: s-maj=35.5km s-min=15.1km az=43.0

NEIC 05 22:51:48.6-0.3, 2°07'N-93°09'E, h10km, mb4.2/3, Error ellipse: s-maj=8.2km s-min=6.1km az=22.0

ISCJB 05 22:51:50.4-0.5, 2°10'N-07°32'E-0.07, h33km, mb4.1/13, MS4.1/1, Error ellipse: s-maj=11.8km s-min=8.3km az=135.4

ISC 05 22:51:52.3-0.6, 2°08'N-09°33'E-0.09, h35km, n27, 069/23, mb4.1/13, Off west coast of northern

2012 MAY

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
GSI	Gnungungsitoli	4.49 100								
PSI	Prapat	5.81 83								
KULM	Kulim	8.13 67								
PALK	Pallekele	13.43 293								
PALK		0.6nm, 0.3s, baz=116, slow=14, SNR=8.0								
PALK		3.7nm, 0.3s, baz=116, slow=3.1, SNR=16								
PALK		comp=Z, 126nm, 20.4s, baz=296, slow=34								
PALK		13.43 293								
COCO	West Island	14.64 166								
CMAR	Chiang Mai Arr	17.24 19								
CHTO	Chiang Mai	17.57 18								
H08S2	Diego Garcia H	22.76 245								
H08S2		baz=62, slow=76, SNR=14								
H08S3	Diego Garcia H	22.76 245								
H08S3		baz=62, slow=76, SNR=16								
H08S1	Diego Garcia H	22.78 245								
H08S1		baz=62, slow=76, SNR=21								
MKAR	Makanchi Array	45.53 350								
WRA	Warramunga Arr	45.95 120								
WRAB	Tennant Creek	45.96 120								
ASAR	Alice Springs	47.18 125								
ASAR		0.3nm, 0.5s, baz=136, slow=40, SNR=3.7								
ASAR		comp=Z, 202nm, 18.4s, baz=262, slow=39								
GEYT	Alibeck	48.00 322								
GEYT		0.9nm, 0.4s, baz=141, slow=6.5, SNR=8.8								
KURBB	Kurchatov Arra	49.83 348								
KURK	Kurchatov	50.00 348								
ZALV	Zalesovo Beam	51.55 354								
ZALV		0.9nm, 0.4s, baz=200, slow=5.9, SNR=6.2								
STKA	Stevens Creek	56.98 131								
BRTR	Keskin Array B	65.54 313								
CASY	Casey	69.34 173								
IDI	Anoyia	71.12 307								
FINES	FINESS Array B	77.37 323								
FINES		1.3nm, 0.5s, baz=207, slow=7.9, SNR=3.3								
GERES	GERES Array B	81.49 319								
GERES		0.9nm, 0.6s, baz=92, slow=4.1, SNR=6.0								
TXAR	Lajitas Array	144.86 328								
TXAR		0.5nm, 0.6s, baz=83, slow=7.9, SNR=9.2								
MNMC	Minye Minye	156.07 224								

JMA 05 22:53:37.2-0.4, 32°32'N-140°79'E, h14km, M3.6, Southeast of Honshu

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
JHJC	Hachiojimakas	1.12 312								
JHJC		2.33 4								
BSO1	Boso 1	2.43 4								
BSO3	Boso 3	2.49 355								
ESG3		2.65 335								
JMG	Oshima 3	2.65 335								
JMJ2	Ashikaga	4.24 345								

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DAV Davao City (W), SJI Sorong, KKM Kota Kinabalu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DMVZ Mangatatinoka R, NNZ Nelson, NNZ Nelson, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HAZ Te Kaha, AWBZ Awituh Peninsula, AWBZ Lake Benmore, etc.

ISC/B 05:23:28.39.0.4, 6.80N.0.05x125.88E.0.05, h106km, 4km, mb3.6/7, Error ellipse: s-maj=9.4km s-min=6.8km az=135.5

MAN 05:23:33.9.6.75N.125.90E, h89km, mb4.9, ML3.9, MS3.9, IDC 05:23:28.34.0.1, 1.6.95N.126.05E, h92km, 1.0km, mb3.5/7, mb1.3/8.9, mb1mx3.4/5.7, mbtmp3.9/9, Error ellipse: s-maj=42.7km s-min=12.9km az=64.0

ISC 05:23:28.34.9.0.7, 6.78N.0.06x125.88E.0.05, h98km, 6km, n22, e0.37/36, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Code Station Name, MATI Mati, DAV Davao City (W), etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DMVZ Mangatatinoka R, NNZ Nelson, NNZ Nelson, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HAZ Te Kaha, AWBZ Awituh Peninsula, AWBZ Lake Benmore, etc.

IDC 05:23:33.08.0.1, 4.1.41.25S.174.62E, h0km, mb4.2/2, mb1.4/2.4, mb1mx3.8/38, mbtmp3.9/4, ML3.0/2, Error ellipse: s-maj=41.5km s-min=24.5km az=139.0

WEL 05:23:33.12.5.41 S.1.17.5E, h34km, ML4.6/7, NEIC 05:23:33.16.0.0, 4.1.38S.174.69E, h31km, mb4.1/1, ML4.2(WEL), After WEL.

NEIC Felt (IV) in the Picton and Wellington areas, ISC 05:23:12.2.0.9, 4.146S.0.03x174.74E.0.02, h34km, 6km, n207, e1.52/218, mb4.1/3, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BHW Baring Head, BHW Baring Head, SNZO South Karori, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DMVZ Mangatatinoka R, NNZ Nelson, NNZ Nelson, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HAZ Te Kaha, AWBZ Awituh Peninsula, AWBZ Lake Benmore, etc.

SGS 06:00:02:53.6.33.35N-47.61E, h31km, CSEM 06:00:02:53.5.0.2, 32.55N-47.36E, h15km, ML3.2, Error ellipse: s-maj=23.7km s-min=9.1km az=16.0, ISC/B 06:00:02:56.5.0.5, 32.71N.0.04x47.63E.0.06, h15km, Error ellipse: s-maj=6.8km s-min=5.0km az=166.1, ISN 06:00:02:56.2.1.9, 32.83N-47.71E, h10km, ML3.3, TEH 06:00:02:58.1.1, 32.83N-47.71E, h10km, ML3.3, ISC 06:00:02:57.5.1.2, 32.78N.0.04x47.63E.0.05, h15km, n18, e0.94/23, Iran-Iraq border region

6d 0h SHGR Shooshtar-Gavs 1.20 124 ePg Pn 00 03 19.7 0.0 IKOM Komasi 1.40 356 eSg Sb 00 03 35.8 +0.6 IKOM Komasi 1.40 356 ePg Sn 00 03 20.9 -1.8 IKOM Komasi 1.40 356 eSg Sn 00 03 39.7 -1.3 IKOM comp=Z,11µm,0.2s IVIS Veis 1.86 340 ePn Pn 00 03 29.4 +0.4 IVIS eAMB AMB 00 04 02.1 KHMZ Khomeyny 2.18 63 ePn Pn 00 03 33.1 -0.4 KHMZ eSg Sn 00 04 01.4 +1.1 IDHR Dehrash 2.18 332 ePn Pn 00 03 34.1 +0.6 IDHR eAMB AMB 00 04 12.4 ILIN Lien 2.21 346 ePn Pn 00 03 35.3 +1.4 ILIN eAMB AMB 00 04 16.5 SNGE Sanandaj 2.32 354 ePn Pn 00 03 36.1 +0.7 HAGD Aghdareh 2.40 31 ePn Pn 00 03 36.1 -0.4 HAGD eAMB AMB 00 04 20.6 ASAO Ashtian 2.67 48 ePn Pn 00 03 40.0 -0.2 IPIR Pirpir 2.75 91 ePn Pn 00 03 41.3 -0.1 IPIR eAMB AMB 00 04 26.7 HKMZ Kohzaman 2.80 22 ePn Pn 00 03 42.6 +0.5 HKMZ eAMB AMB 00 04 18.9 IRAZ Razeghan 3.24 35 ePn Pn 00 03 48.7 +0.6 IRAZ eAMB AMB 00 04 51.0 IKLH Kolahrood 3.36 80 ePn Pn 00 03 50.0 +0.2 IKLH eAMB AMB 00 04 59.8 ZHVF Zefreh 3.50 60 ePn Pn 00 03 51.0 -0.5 ZHVF ePn Pn 00 03 57.6 -0.4 IZEF eAMB AMB 00 04 11.6 IRAM Rameshsh 4.14 102 ePn Pn 00 03 59.4 -1.1 IRAM eAMB AMB 00 05 21.5 KFSJ KFSJ 4.58 177 P Sn 00 04 06.9 +0.6 KFSJ S Sn 00 05 00.5 +1.1 ASYS ASYS 5.97 209 P Sn 00 04 24.6 -0.9 ASYS S Sn 00 05 31.9 -1.8

NEIC 06 00:05:49.6-0.0, 14:16N-93:24W, h9km, MD4.1 (MEX), After MEX.

MEX 06 00:05:49.6-0.0, 14:16N-93:24W, h9km, MD4.1, Near coast of Chiapas

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res. Rows include THIG, PCIG, CCIG, TGIG, and various Comitan stations.

ISN 06 00:10:14.3-0.8, 32:76N-46:79E, h15km, ML2.5

TEH 06 00:10:14.3, 32:75N-46:80E, h10km, ML2.5, Iran-Iraq border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res. Rows include IKOM Komasi, IVIS Veis, IDHR Dehrash, and various Comitan stations.

ISCJB 06 00:10:15.4-0.4, 0:47S-0:07:78:35W±0:08, h52km, mb4.2/20, MS2.8/2, Error ellipse: s-maj=15.0km s-min=4.8km az=139.3

NEIC 06 00:10:18.2-1.5, 0:68S:78:23W, h74km, 15km, mb4.4/10, ML4.5(ARE), Error ellipse: s-maj=19.1km s-min=8.9km az=67.0

NEIC Felt (III) at Huamey. Also felt at Lima. IDC 06 00:10:18.6±1.6, 0:62S:78:34W, h72km, 12km, mb3.6/14, mb1.3/8.16, ms1mx3.5/62, mbtm3.9/16, MS3.0/5, Ms1.3/0.5, ms1mx2.7/35, Error ellipse: s-maj=25.7km s-min=8.0km az=62.0

ISC 06 00:10:16.5-0.6, 10:66S±0:08:78:5W±0:1, h52km, n103, e096/99, mb4.2/20, Near coast of Peru

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res. Rows include NNA, ATAH, OTAV, LPAZ, PB04, SAML, ROSC, RUSC, SIV, PTGA, SDV, JTS, 254A, W47A, TXAR, TX31, W48A, MIAR, X39A, W41B, ABTX, ABTX, V41A, V40A, U42A.

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Main table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res. Rows include U41A, U40A, U43A, U39A, T42A, T41A, T40A, MNTX, MNTX, T39A, S41A, T38A, S40A, CCM, S39A, S38A, R41A, R40A, R39A, R38A, P43A, P42A, 121A, Q38A, N59A, N59A, P41A, P39B, P38A, N43A, ANMO, ANMO, ANMO, BINY, BINY, M38A, SDCO, DELO, H42A, FRNY, BUKO, PV01, PKME, G38A, F36A, DUG, DUG, R11A, HWUT, PDAR, PDAR, AGNM, NV01, NV01, ULM, ULM, FCC, DBIC, KOWA, YKA, TOAO, TORO, ESDC, INK, INK, ILAR, MODS, H1N3, H1N3, H1N1, H1N1, H1S2, H1S1, H1S1, WRA, KSR5, HHC, HHC, LZH, LZH, LZH, CD2, IDC 06 00:23:56.2±2.8, 21:12S:70:38W, h0km, mb3.8/1, mb1.3/7.3, mb1mx3.4/44, mbtm3.6/3, ML3.5/2, MS2.3/1, Ms1.2/5.1, ms1mx2.2/42, Error ellipse: s-maj=83.5km s-min=43.0km az=113.0, ISCJB 06 00:24:00.5±2.6, 20:08S:0:03:70:74W±0:07, h15km±20km, mb3.7/1, Error ellipse: s-maj=11.8km s-min=5.4km az=4.9, GUC 06 00:24:01.6±0.2, 0:06S:70:66W, h41km±2km, ML3.2, ISC 06 00:23:59.8±2.2, 20:03S:0:04:70:7W±0:1, h13km±11km, n15, e193/31, 3C-40, Near coast of northern Chile

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Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res. Rows include PSCG, PSCG, PB11, PB11, MNMC, PB08, PB08, PB12, PB12, PB02, PB02, PB01, PB01, PB07, PB07, LPAZ, LPAZ, SIV, TORO, H1S2, H1S1, H1S3, MKAR, MKAR.

NEIC 06 00:29:25.2±0.0, 14:14N-93:39W, h24km, MD4.1 (MEX), After MEX.

MEX 06 00:29:25.2±0.0, 14:14N-93:39W, h24km, 18km, MD4.1

IDC 06 00:29:28.9±0.0, 15:15N:93:01W, h0km, mb3.7/5, mb1.3/9.7, mb1mx3.6/49, mbtm3.7/77, ML3.4/2, Error ellipse: s-maj=59.0km s-min=13.3km az=23.0

ISC 06 00:29:23.9±3.7, 14:33N±0:10:93:29W±0:06, h9km±24km, n15, e172/25, mb3.8/5, Near coast of Chiapas

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res. Rows include THIG, THIG, THIG, PCIG, PCIG, CCIG, CCIG, TGIG, TGIG, APG, APG, CMIG, CMIG, TKL, NVAR, SCHO, YKA, INK, IDC 06 00:31:13.0±0.8, 42:89S:170:90E, h0km, mb3.3/2, mb1.3/7.3, mb1mx3.5/41, mbtm3.3/3, ML3.3/1, Error ellipse: s-maj=27.5km s-min=9.8km az=79.0, ISCJB 06 00:31:15.7±0.5, 42:99S:0:03:170:78E±0:04, h23km±4km, mb3.5/2, Error ellipse: s-maj=6.1km s-min=3.2km az=39.7, WEL 06 00:31:15.8, 43°S±17°1'E, h5km, ML4.3/9, NEIC 06 00:31:16.5±0.0, 43:00S:170:80E, h13km, ML4.2 (WEL), After WEL, NEIC Felt in West Coast, ISC 06 00:31:15.5±0.9, 42:99S±0:03:170:82E±0:03, h19km±3km, n162, e193/174, Off west coast of South Island

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, h, m, s, ISC. Includes stations like NNZ Nelson, MSZ Milford Sound, TUWZ Tuamarina, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, h, m, s, ISC. Includes stations like FWVZ Far West T-bar, KATZ Kakarama, DRZ Dome Shelter, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, h, m, s, ISC. Includes stations like NNS Nan Shan, NNS Danhui, NTST Danhui, etc.







Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries for Batken, Luzhny, Arkit, Arsenbob, Karatay Array, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries for JMA 06:04:17.10.1.0.4, Marumori, Otama, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries for PTGA Pitinga, KOWA Kowa, TORO Torodi Ar. Bea, etc.

NEIC 06:04:21.48.9.3.2, 15.92N-45.05W, h0km, mb3.2/3, mb1 3.3/3, mb1mx3.2/54, mbtmp3.2/3, MS3.5/4, Ms1 3.5/4, ms1mx2.8/22, Error ellipse: s-maj=142.0km s-min=31.4km az=116.0, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries for GLKZ Green Lake, Raoul Island, Maatakoa Point, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries for BBOO Buckleboe, ASAR Alice Springs, WRAB Tennant Creek, etc.

ICD 06:04:32.18.8.1.1, 20.93S-70.63W, h0km, mb4.1/3, mb1 4.2/6, mb1mx3.8/38, mbtmp4.0/6, ML4-1/3, MS3.3/5, Ms1 3.3/5, ms1mx2.9/37, Error ellipse: s-maj=30.4km s-min=26.5km az=107.0

GUC 06:04:32.25.2.0.7, 20.08S-70.69W, h30km, mb3.8 NEIC 06:04:32.27.3.2.6, 20.49S-70.54W, h51km, mb4.0/3, Error ellipse: s-maj=32.2km s-min=14.1km az=48.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries for PSGC Pisagua, PB08 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries for PB01 IPOC Station P, PB02 IPOC Station P, etc.

ICD 06:04:29.48.7.0.4, 32.56N-177.9W, h143km, ML4.9/15 WEL 06:04:29.39.9.0.7, 31.57S-179.2W, 0.1, h145km, n56, n2519/0, mb4.3/8, 1C, Kermadec Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries for TXAR Lajitas Array, SDCO Great Sand Dun, RSWD Black Hills, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries for JOW Kunigami, ILAR Eielson Array, YKA Yellowknife Ar., etc.

IDC 06:04:12.22.5.1.0, 2.85N-93.25E, h0km, mb4.0/12, mb1 4.1/15, mb1mx3.9/73, mbtmp4.0/15, ML3.7/2, MS3.1/3, Ms1 3.1/3, ms1mx2.5/65, Error ellipse: s-maj=30.5km s-min=16.7km az=38.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries for BSI Banda Aceh, MLI5 Meulaboh, Aceh, LKSI Lhok Sumawe, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries for MNSI Mandailing Nat, SISI Saibi, KULM Kulim, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries for PALK Pallekete, CMAR Chiang Mai Arr, KSM Kuching, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries for MKAR Makanchi Array, KKAR Kararay Array, SONM Songoing Array, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries for ASAR Alice Springs, KURB Kurchatov Array, ZALV Zalesovo Beam, etc.

IDC 06:04:44.33.4.45.0, 15.27S-172.20W, h2km, mb4.2/3, mb1 4.3/3, mb1mx3.5/52, mbtmp4.2/3, Error ellipse: s-maj=884.9km s-min=189.7km az=78.0, Samoa Islands region



6d 5h

Table with columns: SDV, PRAC, YKA, WRA. Includes station names, coordinates, and various parameters like SNR and speed.

IDC 06 05:23:05.7-4.0, 12.11S-170.28E, h0km, mb3.7/4, mb1 3.9/4, mb1mx3.5/45, mbtmp3.6/4, Error ellipse: s-maj=213.7km s-min=27.5km az=142.0, Santa Cruz Islands region

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

WEL 06 05:24:39.1, 37.5S, 179E, h33km, ML3.6/14, Off east coast of North Island

Large table listing station data for the Wellington region, including stations like MXZ, WNGZ, PKGZ, etc.

ATA 06 05:37:49.1-9.38, 69N-43.31E, h18km, 59km, ML2.8, MW2.9
ISK 06 05:37:48.6, 38.72N-43.20E, h16km, ML2.5/4
CSEM 06 05:37:49.2-0.2, 38.68N-43.20E, h20km, ML2.5, Error ellipse: s-maj=5.5km s-min=4.4km az=123.0

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

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Table with columns: AGRB, AGRB, GURO, GURO, EKAR, EKAR. Includes station names and coordinates.

IDC 06 05:39:36.6-1.5, 4.01N-92.64E, h0km, mb3.6/5, mb1 4.0/8, mb1mx3.6/68, mbtmp3.8/8, ML4.1/2, MS3.0/7, Ms1 3.1/7, ms1mx2.8/53, Error ellipse: s-maj=45.9km s-min=22.3km az=41.0

ISCJB 06 05:39:38.7-0.8, 4.08N-0.07-92.86E-0.05, h19km, mb3.7/5, MS3.1/5, Error ellipse: s-maj=11.2km s-min=5.9km az=22.9

DJA 06 05:39:45.9-0.8, 4.04N-9.03E-1.3, h11km, 16km, M4.5/7, mb4.3/3, MLV4.5/7

ISC 06 05:39:39.1-0.9, 4.04N-0.09-92.73E-0.07, h19km, m21, 170N, 23, mb3.7/5, MS3.0/5, Off west coast of northern Sumatara

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

DJA 06 05:41:58.7-0.4, 8.3S-3.10E, h48km, 16km, M4.2/22, mb3.9/7, mb4.4/7, MLV4.1/22, Mw(m)2.9/1

IDC 06 05:41:58.1-6.8, 6.67S-105.90E, h0km, mb3.8/4, mb1 3.8/4, mb1mx3.4/61, mbtmp3.8/4, Error ellipse: s-maj=179.1km s-min=22.3km az=23.0

ISC 06 05:41:47.1-1.9, 8.56S-0.07-106.39E-0.06, h25km, 14km, n36, 39R19/46, mb3.9/4, South of Jawa

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

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Table with columns: H08S1, SONM, MKAR, KURBB, ZALV, TXAR. Includes station names and coordinates.

NDI 06 05:43:01.0-1.8, 32.340N-76.32E, h10km, ML3.6, Off the Shmri-India border region

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

MOS 06 05:54:03.8-0.9, 12.77N-44.57W, h10km, mb4.9/79, MS4.2/14, Error ellipse: s-maj=8.2km s-min=4.8km az=51.3

IDC 06 05:54:04.1-0.3, 12.71N-44.53W, h0km, mb4.4/54, mb1 4.5/55, mb1mx4.5/66, mbtmp4.4/55, ML4.0/1, MS4.1/41, Ms1 4.1/41, ms1mx4.0/51, Error ellipse: s-maj=10.6km s-min=8.1km az=164.0

BJJ 06 05:54:04.8, 12.70N-44.50W, h10km, mB5.1/1, Ms5.0/3, Ms7.4/72

ISCJB 06 05:54:04.6-0.2, 12.68N-0.04-44.52W-0.02, h15km, mb4.7/209, MS4.2/55, Error ellipse: s-maj=6.4km s-min=2.7km az=168.4

NEIC 06 05:54:05.8-0.2, 12.70N-44.53W, h10km, mb4.9/108, Error ellipse: s-maj=6.2km s-min=3.3km az=170.0

GCMT 06 05:54:05.8-0.2, 12.70N-44.48W, h16km, MW5.1/119, Moment Tensor Solution. s61,c88; s15,c192; Duration: 0 Moment tensor: Scale 10^19Nm; Mr=0.35t.11; Mw=1.13t.10; Mb=1.48t.10; Mw0.52t.26; Mw=0.54t.10; Mw0.05t.27. Best double couple: Ms5.63000t.1016; NP1=277.0000t.88,0000t.01-1.175,0000t.00; NP2=0.187,0000t.885,0000t.00-2.00000t.00. Principal axes: T 5.7920, Plg3.0000t. Azm52.0000t. N -0.3280, Plg84.0000t. Azm294.0000t. P -5.4670, Plg5.0000t. Azm142.0000t. nsta1 refers to surface waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 06 05:54:06.7-0.3, 12.60N-0.06-44.58W-0.05, h15km, n436, 2020Z437, mb4.8/208, MS4.2/55, 48C-14D, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Lists stations like BBGH, H08S1, TRMF, etc.

SDV	comp=Z,8.1nm,0.8,baz=32,slow=5.8,SNR=9.8	LR	LR	06 08 49.9
SDV	comp=Z,185nm,21.1s,baz=60,slow=34			
SDV	Santo Domingo 25.85 264 eP	P	P	05 59 37.3 -0.9
SDDR	comp=Z,12.0nm,0.8			
SDDR	Presas de Saban 26.45 287 eP	P	P	05 59 42.9 -0.5
BBTS	comp=Z,16nm,0.9s			
BBTS	Babate 27.33 82 P	P	P	05 59 50.2 -1.1
BBTS	comp=Z,50nm,1.0s,baz=144,slow=2.5,SNR=3.5	LR	LR	06 08 49.3
SAML	comp=Z,22nm,0.9s			
SAML	Samuel 28.29 222 eP	P	P	06 00 00.2 +0.4
SAML	Samuel 28.29 222 eP	P	P	06 00 00.2 +0.4
RUSC	comp=Z,23nm,0.9s			
RUSC	La Rusia 28.89 259 eP	P	P	06 00 07.0 +1.1
PSMA	comp=Z,2.6nm,1.6s			
PSMA	Santa Maria 29.30 32 eT	T	T	06 00 55.8
PSMN	comp=Z,2.6nm,1.6s			
PSMN	Pico do Norte, 29.34 32 eT	T	T	06 00 55.1
ROSC	comp=Z,7.0nm,0.6s,baz=107,slow=12,SNR=8.3	LR	LR	06 00 19.5 +0.7
ROSC	comp=Z,218nm,18.3s,baz=106,slow=32	LR	LR	06 13 38.3
ROSC	Ei Rosal 30.36 258 eP	P	P	06 00 19.2 +0.4
HELCO	comp=Z,6.9nm,0.6s			
HELCO	Santa Helena 31.17 261 eP	P	P	06 00 25.1 -0.8
PRAC	comp=Z,11nm,0.8s			
PRAC	Prado 31.24 256 eP	P	P	06 00 26.3 +0.2
PMOZ	comp=Z,11nm,0.9s			
PMOZ	Porto Moniz, M 32.13 47 eP	P	P	06 00 33.4 -0.4
PMOZ	comp=Z,117nm,1.2s			
PMOZ	Porto Moniz, M 32.13 47 eT	T	T	06 03 08.8
FUL	comp=Z,2.6nm,1.6s			
FUL	Ful 32.26 47 eP	P	P	06 03 02.5
PMAR	comp=Z,2.79nm,1.3s			
PMAR	Madreia 32.28 47 eP	P	P	06 00 35.0 -0.2
PMAR	comp=Z,2.79nm,1.3s			
PMAR	Madreia 32.28 47 eT	T	T	06 03 04.4
SIV	comp=Z,8.8nm,0.9s,baz=57,slow=9,SNR=10.0			
SIV	San Ignacio 32.76 210 P	P	P	06 00 40.0 +0.6
BCIP	comp=Z,2.28nm,1.2s			
BCIP	Isla Barro Col 34.77 268 eP	P	P	06 00 56.0 -0.9
OTAV	comp=Z,6.8nm,0.9s			
OTAV	Otavalo 35.76 252 eP	P	P	06 01 05.3 -0.7
OTAV	Otavalo 35.76 252 eP	P	P	06 01 05.3 -0.7
H10N3	comp=Z,7.0nm,0.9s			
H10N3	ASCENSION HYDR6.14 123 T	T	T	06 39 16.2
H10N2	comp=Z,304,slow=75,SNR=1449			
H10N2	ASCENSION HYDR6.15 123 T	T	T	06 39 16.5
H10N1	comp=Z,304,slow=75,SNR=1309			
H10N1	ASCENSION HYDR6.16 123 T	T	T	06 39 17.7
H10S3	comp=Z,304,slow=75,SNR=1912			
H10S3	ASCENSION HYDR6.64 124 T	T	T	06 39 47.1
H10S1	comp=Z,305,slow=75,SNR=704			
H10S1	ASCENSION HYDR6.64 124 T	T	T	06 39 49.4
H10S2	comp=Z,305,slow=75,SNR=681			
H10S2	ASCENSION HYDR6.66 124 T	T	T	06 39 51.6
LPAZ	comp=Z,8.7nm,0.8s,baz=30,slow=11,SNR=2.1	LR	LR	06 01 16.9 +0.5
LPAZ	La Paz 36.97 220 P	P	P	06 16 25.8
LPAZ	comp=Z,8.7nm,0.8s,baz=30,slow=11,SNR=2.1	LR	LR	06 16 25.8
ATAH	comp=Z,286nm,20.2s,baz=54,slow=36	LR	LR	06 01 33.5 +0.8
ATAH	Atahualpa 38.91 242 P	P	P	06 01 33.5 +0.8
TIC	comp=Z,7.7nm,0.7s,baz=70,slow=4.9,SNR=4.9			
TIC	Toumudi 39.42 95 eP	P	P	06 01 34.6 -1.9
KOWA	comp=Z,35nm,0.9s,baz=278,slow=6.8,SNR=66	LR	LR	06 01 35.6 -1.0
KOWA	Kowa 39.45 82 eP	P	P	06 01 35.9 -0.7
KOWA	comp=Z,297nm,21.6s,baz=270,slow=31	LR	LR	06 01 35.6 -1.5
KOWA	Kowa 39.45 82 eP	P	P	06 01 35.9 -0.7
LIC	comp=Z,55nm,1.0s			
LIC	Lamto 39.50 96 eP	P	P	06 01 35.6 -1.5
DBIC	comp=Z,83nm,1.0s			
DBIC	Dimbokro 39.57 95 P	P	P	06 01 36.5 -1.3
DBIC	comp=Z,25nm,0.9s,baz=273,slow=11,SNR=20	LR	LR	06 15 31.0
DBIC	Dimbokro 39.57 95 eP	P	P	06 01 36.1 -1.6
JBT	comp=Z,228nm,18.4s,baz=258,slow=33	LR	LR	06 01 38.1 +0.1
JBT	Dimbokro 39.57 95 eP	P	P	06 01 38.1 +0.1
DBIC	comp=Z,21nm,0.9s			
DBIC	Juntas Abangare 39.61 271 P	P	P	06 01 37.8 -1.4
KIC	comp=Z,1.9nm,0.3s,baz=134,slow=9.0,SNR=12			
KIC	Kosan Boka 39.75 95 eP	P	P	06 01 37.8 -1.4
PFVI	comp=Z,85nm,1.2s			
PFVI	Vila Bisbo 40.23 46 eS	S	S	06 07 54.4 +4.8
PFVI	comp=Z,279nm,24.0s	LR	LR	06 12 07.9
MORF	comp=Z,50nm,1.1s			
MORF	Vila Bisbo 40.23 46 eT	T	T	06 03 22.5
MORF	Marneleite 40.44 46 eP	P	P	06 01 44.1 -0.6
MORF	comp=Z,50nm,1.1s			
MORF	Marneleite 40.44 46 eP	P	P	06 01 46.1
MORF	comp=Z,50nm,1.1s			
MORF	Marneleite 40.44 46 eS	S	S	06 07 52.6 -0.2
MORF	comp=Z,50nm,1.1s			
MORF	Marneleite 40.44 46 eS	S	S	06 01 44.0 -0.6
MORF	comp=Z,50nm,1.1s			
MORF	Marneleite 40.44 46 eS	S	S	06 07 52.6 -0.2
MORF	comp=Z,50nm,1.1s			
MORF	Marneleite 40.44 46 eP	P	P	06 01 44.2 -0.5
MORF	comp=Z,51nm,1.9s			
MORF	Marneleite 40.44 46 eS	S	S	06 08 00.0 +7.2
MORF	comp=Z,51nm,1.9s			
MORF	Marneleite 40.44 46 eLR	LR	LR	06 11 44.7
PTEO	comp=Z,296nm,24.0s			
PTEO	Sao Teotônio 40.50 46 eP	P	P	06 01 45.4 +0.3
FRNY	comp=Z,9.5nm,1.1s			
FRNY	Flat Rock 40.55 328 eP	P	P	06 02 47.6
FRNY	comp=Z,9.5nm,1.1s			
FRNY	Flat Rock 40.55 328 eP	P	P	06 01 45.4 0.0
CPUP	comp=Z,4.9nm,0.8s,baz=29,slow=8.4,SNR=11	LR	LR	06 01 46.4 +0.1
CPUP	Vila Florida 40.64 198 P	P	P	06 17 27.0
CPUP	comp=Z,162nm,21.9s,baz=26,slow=34	LR	LR	06 01 46.7 +0.4
CPUP	Vila Florida 40.64 198 eP	P	P	06 01 46.7 +0.4
CPUP	comp=Z,6.8nm,0.9s			
CPUP	Vila Florida 40.64 198 eP	P	P	06 01 46.7 +0.4
CPUP	comp=Z,7.0nm,0.9s			
CPUP	Vila Florida 40.64 198 eP	P	P	06 01 46.7 +0.4
PMAFR	comp=Z,470nm,22.0s			
PMAFR	Mafrá 40.80 44 eS	S	S	06 08 04.3 +6.2
PMAFR	comp=Z,470nm,22.0s			
PMAFR	Mafrá 40.80 44 eLR	LR	LR	06 12 05.2
PNCL	comp=Z,23nm,1.5s			
PNCL	Nicolau / Gran 40.90 45 eP	P	P	06 01 48.7 +0.2
PNCL	comp=Z,363nm,22.0s			
PNCL	Nicolau / Gran 40.90 45 eT	T	T	06 08 07.1 +7.5
PNCL	comp=Z,363nm,22.0s			
PNCL	Nicolau / Gran 40.90 45 eT	T	T	06 12 13.1
PBDV	comp=Z,2.09nm,21.3s,baz=228,slow=4.0,SNR=12	LR	LR	06 04 01.8
PBDV	Barranco-do-Ve 40.91 47 eP	P	P	06 03 35.4
PBDV	comp=Z,2.09nm,21.3s,baz=228,slow=4.0,SNR=12	LR	LR	06 04 01.8
PBDV	Barranco-do-Ve 40.91 47 eP	P	P	06 01 48.0 -0.6
PBDV	comp=Z,2.09nm,21.3s,baz=228,slow=4.0,SNR=12	LR	LR	06 08 05.5 +5.6
PBDV	Barranco-do-Ve 40.91 47 eT	T	T	06 12 34.5
PBDV	comp=Z,302nm,22.0s			
PBDV	Barranco-do-Ve 40.91 47 eT	T	T	06 03 47.8
MESJ	comp=Z,80nm,1.8s			
MESJ	Messejãna 40.99 46 eP	P	P	06 01 48.7 -0.5
MESJ	comp=Z,80nm,1.8s			
MESJ	Messejãna 40.99 46 eP	P	P	06 01 48.7 -0.5
MESJ	comp=Z,80nm,1.8s			
MESJ	Messejãna 40.99 46 eS	S	S	06 08 01.4 +0.5
PCVE	comp=Z,47nm,1.4s			
PCVE	Castro Verde 41.02 46 eP	P	P	06 01 48.7 -0.5
PCVE	comp=Z,47nm,1.4s			
PCVE	Vaqueiros 41.14 47 eP	P	P	06 01 49.1 -0.3
PVAQ	comp=Z,35nm,1.9s			
PVAQ	Vaqueiros 41.14 47 eP	P	P	06 01 50.2 -0.2
PVAQ	comp=Z,35nm,1.9s			
PVAQ	Vaqueiros 41.14 47 eS	S	S	06 08 10.1 +6.9
PVAQ	comp=Z,309nm,24.0s			
PVAQ	Vaqueiros 41.14 47 eT	T	T	06 12 42.4
PBEJ	comp=Z,40nm,1.7s			
PBEJ	Beja 41.32 46 eP	P	P	06 03 43.9
PBEJ	comp=Z,40nm,1.7s			
PBEJ	Beja 41.32 46 eP	P	P	06 01 51.5 -0.4
ALMR	comp=Z,41nm,1.4s			
ALMR	Almeirim 41.38 44 eT	T	T	06 04 15.4
EVO	comp=Z,82nm,1.3s			
EVO	Evora 41.46 45 eP	P	P	06 01 52.4 -0.6
EVO	comp=Z,82nm,1.3s			
EVO	Evora 41.46 45 eT	T	T	06 04 03.4
PMTG	comp=Z,30nm,1.7s			
PMTG	Montargil 41.57 44 eP	P	P	06 01 53.2 -0.8
PMTG	comp=Z,30nm,1.7s			
PMTG	Montargil 41.57 44 eS	S	S	06 08 18.4 +8.8
PMTG	comp=Z,376nm,22.0s			
PMTG	Montargil 41.57 44 eT	T	T	06 12 42.4
PTOM	comp=Z,64nm,1.4s			
PTOM	Tomar 41.72 43 eP	P	P	06 04 16.5
PTOM	comp=Z,64nm,1.4s			
PTOM	Tomar 41.72 43 eP	P	P	06 01 54.8 -0.4
PCAS	comp=Z,31nm,1.6s			
PCAS	Casmilho, Conde 41.78 43 eP	P	P	06 04 54.8
PCAS	comp=Z,31nm,1.6s			
PCAS	Casmilho, Conde 41.78 43 eP	P	P	06 01 55.4 -1.1
PCAS	comp=Z,31nm,1.6s			
PCAS	Casmilho, Conde 41.78 43 eS	S	S	06 08 20.5 +6.4
PCAS	comp=Z,31nm,1.6s			
PCAS	Casmilho, Conde 41.78 43 eLR	LR	LR	06 12 55.7
PESTR	comp=Z,406nm,22.0s			
PESTR	Estremoz 41.91 45 eP	P	P	06 01 56.0 -0.8
PESTR	comp=Z,406nm,22.0s			
PESTR	Estremoz 41.91 45 eP	P	P	06 01 56.0 -0.8
PESTR	comp=Z,406nm,22.0s			
PESTR	Estremoz 41.91 45 eP	P	P	06 01 55.9 -0.8

PESTR	comp=Z,314nm,22.0s	eS	S	06 08 21.3 +6.7
PESTR	Estremoz 41.91 45 eT	T	T	06 12 47.8
PESTR	comp=Z,314nm,22.0s	eLR	LR	06 04 30.1
PBAR	comp=Z,62nm,1.3s			
PBAR	Barrancos 41.97 46 eP	P	P	06 01 56.8 -0.4
PBAR	comp=Z,62nm,1.3s			
PBAR	Barrancos 41.97 46 eS	S	S	06 08 24.4 +8.9
PBAR	comp=Z,62nm,1.3s			
PBAR	Barrancos 41.97 46 eLR	LR	LR	06 12 50.4
COI	comp=Z,637nm,22.0s	eS	S	06 08 19.2 +3.1
COI	Coimbra 42.02 42 eS	S	S	06 13 01.0
TKL	comp=Z,426nm,22.0s	eS	S	06 01 58.5 +0.1
TKL	Tuckaleeche C 42.10 310 P	P	P	06 06 42.6
TKL	comp=Z,2.1nm,1.1s,baz=111,slow=14,SNR=1.8	LR	LR	06 16 42.6
PMRV	comp=Z,219nm,20.4s,baz=112,slow=32	LR	LR	06 01 59.1 -1.0
PMRV	Marv??o 42.31 44 eP	P	P	06 01 59.1 -1.0
PMRV	comp=Z,26nm,1.6s			
PMRV	Marv??o 42.31 44 eS	S	S	06 08 27.2 +6.6
PMRV	comp=Z,26nm,1.6s			
PMRV	Marv??o 42.31 44 eLR	LR	LR	06 12 58.4
PMRV	comp=Z,352nm,22.0s	eS	S	06 04 31.1
PMRV	Marv??o 42.45 43 eT			

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like FFC, FFF, SOP, KONO, MVCO, UPC, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like ARR, ARGES, SANT, APE, HLID, VOIR, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like BOSA, PRGR, KIV, NEY, KBZ, NCK, etc.

Table with columns: Code, Station Name, Frequency, Power, Direction, and other parameters. Includes stations like PB11, PB08, PSCG, etc.







Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PETK, RUS, MTRV, ASAK, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ILI, FYU, RIDG, DOT, SCRR, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like FCC, BVAR, BRVK, etc.



Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like INK Inuvik, PETK Petropavlovsk, YKA Yellowknife Ar, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like PET Uglovaya, UGLR Uglovaya, UGLR Uglavaya, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like BVAR Borovoye Array, ARCES ARCES Array B, ARU Arti, etc.

ISCJB 06:08:02.0.0.7, 2.4N:0.1:89.70E:0.07, h10km, mb4.1/17, MS3.4/2, Error ellipse: s-maj=18.4km s-min=7.7km az=25.7

IDC 06:08:02.0.6:1.0, 2.38N:89.65E, h10km, mb3.9/11, mb1.4/114, mb1mx3.7/69, mbtmp3.9/14, ML4.2/2, MS3.5/2, Ms1.3.5/2, ms1mx2.8/66, Error ellipse: s-maj=32.6km s-min=16.8km az=39.0

NEIC 06:08:03.9.0.6, 2.39N:89.65E, h10km, mb4.2/4, Error ellipse: s-maj=14.3km s-min=6.3km az=204.0

ISC 06:08:03.8.1.1, 2.4N:0.2:89.7E:0.1, h10km, n33, 0582/24, mb4.2/17, North Indian Ocean

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like KBZ Khabaz, TXAR Lajitas Array, EKA Kakulenui Arr, etc.

IDC 06:08:03.9.0.6, 2.39N:89.65E, h10km, mb4.2/4, Error ellipse: s-maj=14.3km s-min=6.3km az=204.0

ISC 06:08:03.8.1.1, 2.4N:0.2:89.7E:0.1, h10km, n33, 0582/24, mb4.2/17, North Indian Ocean

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like GSI Gunungstiti, PSI Prapat, PALK Pallekele, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like TUMD Tumrok D, TUMD Tumrok, TUMR Tumrok, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like BUI 06:19:52.8, 3.44N:92.51E, IDC 06:19:57.6, 4.05N:92.66E, etc.

KRSC 06:08:14:45.7:1.4, 52.28N:160.96E, h41km, 20km, ML4.5

IDC 06:08:14:45.4:0.7, 52.46N:160.54E, h0km, mb3.8/25, mb1.3/9/26, mb1mx3.7/77, mbtmp3.8/26, ML4.2/2, MS3.6/2, Ms1.2.6/2, ms1mx2.4/70, Error ellipse: s-maj=18.4km s-min=13.9km az=147.0

ISCJB 06:08:14:48.8:0.7, 52.33N:160.79E:0.06, h45km, 5km, mb3.8/32, Error ellipse: s-maj=7.8km s-min=3.8km az=139.8

NEIC 06:08:14:51.0:1.2, 52.43N:160.54E, h39km, 10km, mb4.0/1, Error ellipse: s-maj=10.7km s-min=8.2km az=136.0

MOS 06:08:14:50.4:1.0, 52.44N:160.57E, h57km, mb4.2/18, Error ellipse: s-maj=7.7km s-min=3.7km az=98.2

ISC 06:08:14:49.0:0.5, 52.31N:160.84E:0.04, h31km, 17km, n142, 1823/163, mb4.0/32, 1C-4D, Off east coast of Kamchatka Peninsula

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like ASAJ Asahikawa, BILL Bill, BILL Bill, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like BSI Banda Aceh, BSI Banda Aceh, MSLI Meulaboh, etc.



ISCJB 06:08:33:47.8:0.7,35°9S:01:99:26W:0.09,h10km,  
mb4.5/50,MS4.0/21,Error ellipse: s-maj=18.7km  
s-min=8.1km az=25.4  
IDC 06:08:33:47.8:0.8,35°77S:99:34W,h0km,mb4.2/13,  
mb1.4/4.13,mb1mx4.2/39,mbtmp4.2/13,MS4.0/21,  
M1.4/0.21,ms1mx3.8/34,Error ellipse: s-maj=23.1km  
s-min=20.0km az=32.0  
BUJ 06:08:33:49.2,36°30S:99°40'W,h20km,mb4.8/3,MS4.9/3,  
M57.4/6.3  
NEIC 06:08:33:49.4:0.5,35°92S:99°22'W,h10km,mb4.7/36,Error  
ellipse: s-maj=7.3km s-min=7.4km az=210.0  
GCMT 06:08:33:49.4:0.3,36°28S:99°72'W,h17km,ML,MW4.9/105,  
Moment Tensor Solution: s41,c52; s10s,c144;  
Duration: 0 Moment tensor: Scale 10<sup>16</sup>Nm; Mir-0.75E-13;  
M=0.32E-11; M=1.07E-11; M=0.02E-27; M=0.30E-09;  
M=0.50E-26; Best double couple: M=3.21300x10<sup>16</sup>  
NP1=96.00000°,δ84.00000°,λ174.00000°. Principal axes: T  
3.6360,Plg8.0000°,Azmi51.0000°; N -0.8470,  
Plg82.0000°,Azmi232.0000°; P -2.7910,Plg0.0000°,  
Azmi141.0000°; nst1 refers to body waves, cutoff=40s,  
nst2c refers to surface waves, cutoff=50s.

ISC 06:08:34:48.3:4.5,36°15S:01:99:22W:0.09,h10km,n97,  
c1587/82,mb4.5/49,MS4.1/21,Southeast of Easter  
Island

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
RPN	Rapa Nui	12.44	313	LR	08 39 55.7	
RPN	Rapa Nui	12.44	313	ePn		
GO05	Hualaeø	22.20	95	eP	08 38 45.9 +1.0	
CHRN	Cochrane	22.66	128	eP	08 38 48.0 -1.7	
PLCA	Paso Flores	22.87	110	P	08 38 54.3 +2.3	
PLCA				LR	08 44 33.6	
ROCI	El Roble	23.41	91	eP	08 39 55.6 -2.1	
PEL	Peidehue	23.63	91	eP	08 39 51.2 +1.5	
LCO	Las Campanas	25.00	82	eP	08 39 14.2 +1.5	
PB10	IPOC Station P	27.76	71	eP	08 39 37.6 +0.3	
PB10	IPOC Station P	29.98	68	eP	08 39 58.8 +1.6	
MM0C	Minye Minye	31.06	65	eP	08 40 08.3 +1.3	
NNA	Nana	31.39	46	LR	08 49 54.7	
RKT	Rikitea	33.49	283	eLQ	08 47 20.7	
LPZA	La Paz	33.96	63	P	08 40 34.7 +2.0	
LPZA				LR	08 51 12.2	
LPZA	La Paz	33.96	63	eP	08 40 34.6 +1.8	
ATAH	Atahua	34.58	38	P	08 40 38.1 +0.2	
ATAH				LR	08 51 19.9	
CPUP	Villa Florida	36.89	87	eP	08 40 56.9 -0.3	
CPUP				LR	08 53 40.0	
SIV	San Ignacio	39.37	69	P	08 41 18.8 +0.5	
SAM	Samuel	42.48	59	eP	08 41 44.8 +0.9	
TBI	Tubuai	44.99	272	eLR	08 53 40.0	
TAOE	Nuku Hiva Isla	46.04	296	LR	08 54 39.2	
ROSC	El Rosal	46.46	35	LR	08 58 45.9	
PPT2	Papeete	48.01	279	eLQ	08 53 11.3	
PPT2				LR	08 55 18.2	
JTS	JuntasAbangare	48.09	19	LR	08 57 40.8	
PTGA	Pitinga	50.63	55	P	08 42 46.5 -1.3	
APG	El Apazole	51.53	11	LR	08 59 21.3	
SDV	Santo Domingo	52.24	37	P	08 43 00.1 +0.1	
SDV				LR	09 04 15.4	
CMIG	Matias Romero	53.09	5	LR	08 59 51.7	
QSPA	South Pole Qui	54.08	180	P	08 43 16.2 +3.2	
PCRV	Puerto L Cruz	56.42	42	P	08 43 29.7 -0.6	
SNA	Sanae	58.10	158	LR	09 04 11.2	
TXAR	Lajitas Array	65.25	356	P	08 44 29.5 -0.6	
AFI	Afiatuala	67.92	269	LR	09 07 16.7	
TUC	Tucson	68.94	350	P	08 44 53.0 -0.5	
Y14A	Wickenburg	70.89	348	eP	08 45 05.2 -0.3	
MVCO	Mesa Verde	73.48	352	eP	08 45 21.6 +0.4	
CC22	Aurora Ranch, Cre	73.85	354	eP	08 45 24.6 +1.2	
SCUT	Cedar City	74.48	348	eP	08 45 27.3 +0.4	
USIN	University of	74.50	9	eP	08 45 27.0 +0.3	
USIN	Snowmass	75.28	354	eS	08 45 06.5 +4.9	
SMCO				P	08 45 31.5 -0.3	
MAW	Mawson	75.69	173	LR	09 18 36.9	
TMUT	Trail Mountain	75.87	350	eP	08 45 34.2 -0.9	
NV11	Mina Array Sit	76.23	345	eP	08 45 36.3 -0.6	
NV01	Mina Array Sit	76.26	345	eP	08 45 35.9 -1.3	
NVAR	Mina Array Base	76.26	345	P	08 45 35.2 -2.0	
KVN	Kaiserville	76.82	345	eP	08 45 39.9 -0.4	
BEKR	Beckworth	78.09	344	eP	08 45 47.1 -0.3	
BW06	Boulder Array	79.09	352	eP	08 45 53.0 +0.1	
PD31	Pinedale Array	79.09	352	eP	08 45 52.6 -0.3	
PDAR	Pinedale Array	79.09	352	P	08 45 50.5 -2.4	
PDAR	Pinedale Array	79.09	352	eP	08 45 52.4 -0.5	
AAM	Ann Arbor	79.53	12	eP	08 45 53.4 -0.6	
ECSO	EROS Data Cent	79.53	2	eP	08 45 53.4 -1.5	
TPAW	Teton Pass	79.97	351	eP	08 45 57.6 -0.1	
FXWY	Fox Creek	80.12	351	eP	08 45 58.5 +0.1	
IMW	Indian Meadow	80.36	351	eP	08 45 58.4 -1.5	
YBH	Yreka Blue Hor	80.42	342	P	08 45 57.4 -2.5	
YBH				LR	09 14 42.0	
HLID	Hailey	80.52	349	eP	08 46 00.5 0.0	
DZM	Mont Dzumac	80.65	250	LR	09 19 31.1	
DZM	Mont Dzumac	80.65	250	eLR	09 10 40.7	
J08A	Circle Bar Ran	81.04	346	eP	08 46 04.2 +1.0	
YMR	Madison River	81.13	352	eP	08 46 04.1 +0.2	

SPMN	Marine on St.	81.19	5	eP	P	08 46 03.8 -0.1
RLMT	Red Lodge	81.39	353	eP	P	08 46 05.1 -0.1
BOZ	Bozeman (W)	82.12	351	eP	P	08 46 10.1 +1.1
SADO	Sadowa	82.56	14	eP	P	08 46 13.5 +2.5
LONY	Lake Ozonia	83.42	17	eP	P	08 46 15.6 +0.1
AGMN	Agassiz Nation	84.11	2	eP	P	08 46 17.6 -1.4
STKA	Stephens Creek	91.57	228	LR	LR	09 19 03.7
BBTS	Babate	92.75	74	LR	LR	09 25 13.0
HNR	Honiara	93.13	256	LR	LR	09 19 49.8
FCC	Fort Churchill	94.64	3	eP	P	08 47 13.9 +5.2
SCHO	Schefferville	94.78	18	LR	LR	09 25 48.7
BOSA	Boshof	97.08	133	LR	LR	09 27 24.8
YKA	Yellowknife Ar	99.07	353	P	Pdf	08 47 31.7 +2.9
H01W1	Cape Leeuwin H	102.79	208	T	T	10 43 13.9
H01W2	Cape Leeuwin H	102.79	208	T	T	10 43 10.0
H01W3	Cape Leeuwin H	102.81	208	T	T	10 43 03.8
GERES	GERES Array B	130.47	53	PKHkp	PKPpre	08 52 55.4
GERES				PKP	PKPpdf	08 52 59.6 +0.8
HFS	Hagfors	131.76	38	PKHkp	PKPpre	08 52 57.0
FINES	FINES Array B	137.70	36	PKP	PKPpdf	08 53 14.1 +2.2
AKAS	Matin Array Be	140.64	52	PKP	PKPpdf	08 53 18.1 +0.6
BRTR	Keskin Array B	142.97	70	PKHkp	PKPpre	08 53 18.3
CN2	Changchun	145.27	297	PKPbc	PKPbc	08 53 22.2 -3.5
NJ2	Nanjing	148.34	274	ePKPbc	PKPpdf	08 53 30.4 -1.1
KBZ	Khabaz	150.18	64	PKP	PKPpdf	08 53 36.6 +2.6
KBZ				PKPbc	sPKPpdf	08 53 39.8 +1.1
HHC	Hu-ho-hao-te	155.52	290	ePKP	PKPpdf	08 53 43.2 +1.0
HHC				PKP	PKPpdf	08 57 49.1 +3.8
HHC				SKS	SKSsd	09 00 04.2 -0.5
HHC				SKKS	SKKSsd	09 04 36.8 +1.9
HHC				AMB	AMB	09 17 33.6 +1.8
HHC				LR	LR	
HHC				LR	LR	
SONM	Songino Array	157.77	310	PKP	PKPpdf	08 53 46.8 +2.0
CD2	Chengdu	160.17	261	PKP	PKPpdf	08 53 45.7 -2.4
LZH	Lanzhou	161.37	277	ePKP	PKPpdf	08 53 44.5 -4.9
LZH				ePKP	PKPpdf	08 53 54.2 +1.3
LZH				sPKP	PKPpdf	08 53 57.7
LZH				LR	LR	
LZH				LR	LR	
LZH				LR	LR	
ZALV	Zalesovo Beam	161.97	352	PKP	PKPpdf	08 53 51.5 +2.3
GTA	Gaotai	164.60	288	ePKP	PKPpdf	08 53 49.4 -3.0
GTA				ePKP	sPKPpdf	08 53 56.8 +2.8
KURK	Kurchatov	165.34	5	PKP	PKPpdf	08 53 52.0 -0.4
KURK				PKPab	PKPpdf	08 54 51.0 +0.9
KURB	Kurchatov Arr	165.43	6	PKP	PKPpdf	08 53 52.1 -0.5
KURB				PKPab	PKPpdf	08 54 51.0 +0.5
MKAR	Makanchi Array	169.29	354	PKP	PKPpdf	08 53 57.7 +2.2
MKAR				PKPab	PKPpdf	08 55 07.6 -0.1
WMQ	Urumiqi	170.67	327	PKP	PKPpdf	08 53 56.0 -0.5
KSH	Kashi	174.91	47	PKP	PKPpdf	08 53 53.7 -4.8
KSH				sPKP	PKSdf	08 54 09.2
KSH				PKS	PKSdf	08 57 26.5 -4.2
KSH				SKS	SS	09 09 05.7
KSH				SKS	SS	09 20 43.7 -5.2
KSH				AMB	AMB	
KSH				LR	LR	
KSH				LR	LR	
KSH				LR	LR	

CSEM 06:08:38:16.2:0.1,39°13N:29°15E,h8km,ML1.8,Error  
ellipse: s-maj=3.6km s-min=2.4km az=130.0  
DDA 06:08:38:16.3,39°11N:29°16E,h7km,ML2.3  
ISK 06:08:38:15.5,39°13N:29°17E,h8km,ML1.8/7,Turkey

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
SIMA	Simav-Kutahya	0.15	253	Op	Pg	08 38 19.3 +0.5
SIMA				SG	Pg	08 38 21.8 +0.8
SIMA	Simav-Kutahya	0.15	253	ePg	Pg	08 38 19.3 +0.5
SIMA				eSg	Pg	08 38 21.8 +0.8
GDZ	Gediz	0.24	99	iS	Pg	08 38 21.3 +0.9
GDZ				S	Pg	08 38 25.6 +1.8
GDZ	Gediz	0.24	99	P	Pg	08 38 21.3 +0.9
GDZ				S	Pg	08 38 25.6 +1.8
DEMI	Demirci	0.36	257	iP	Pb	08 38 23.6 -0.6
DEMI				iS	Pg	08 38 28.1 +0.8
DEMI	Demirci	0.36	257	P	Pg	08 38 23.6 -0.6
DEMI				S	Pg	08 38 28.1 +0.7
TVSB	Tavsanli	0.39	35	PG	Pg	08 38 23.6 +0.6
TVSB				eSg	Pg	08 38 29.4 +1.0
TVSB	Tavsanli	0.39	35	ePg	Pg	08 38 23.6 +0.6
TVSB				eSg	Pg	08 38 29.4 +1.0
DURS	Dursunbey	0.72	311	iP	Pb	08 38 30.7 +0.4
DURS				P	Pb	08 38 30.7 +0.4
KULA	Kula-Manisa	0.73	213	PG	Pg	08 38 29.9 +0.3
KULA				iP	Pg	08 38 29.9 +0.3
MANT	Manisa	0.80	217	iP	Pg	08 38 31.0 +0.2
MANT				S	Pg	08 38 31.0 +0.2
MANT	Manisa	0.80	217			



Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like Mandalling Nat, Pallekele, Diego Garcia, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like BALIKESIR\_Sava, AKHIS, Balya, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like Ouri, Matushiro Arr, Hachijo jima, etc.

ISC 06 09:08:59.4.3.5.6.38S.149.96E h0km, mb3.1/2, mb1 3.5/3, mb1mx3.3/4.5, mbtm3.3/3, ML1.3/1, Error ellipse: s-maj=133.4km s-min=39.8km az=122.0, New Britain region

ISK 06 09:28:38.8.39.091N.29.17E, h6km, ML2.0/4 ISCJB 06 09:28:39.7.0.5.39.12N.0.03.29.12E.0.03, h6km, 5km, Error ellipse: s-maj=4.6km s-min=3.9km az=158.9 CSEM 06 09:28:39.7.0.1.39.12N.29.13E, h8km, ML2.0, Error ellipse: s-maj=2.0km s-min=1.8km az=140.0 DDA 06 09:28:39.6.39.12N.29.11E, h7km, ML2.5 ISC 06 09:28:39.7.0.9.39.12N.0.02.29.13E.0.02, h11km, 6km, n26, <math>\phi=31/46</math>, Turkey

ISC 06 09:59:23.6.1.7.1.40N.127.53E, h0km, mb3.7/4, mb1 3.9/4, mb1mx3.5/5.2, mbtm3.7/4, MS3.5/1, Ms1 3.5/1, ms1mx2.2/4.8, Error ellipse: s-maj=160.5km s-min=21.8km az=70.7, ISCJB 06 09:59:32.4.0.7.1.07N.0.05.126.84E.0.06, h72km, mb3.6/4, Error ellipse: s-maj=9.7km s-min=5.7km az=153.9, DJA 06 09:59:32.9.1.1.1.12N.2.12.7E.7, h25km, 9km, M3.9/9, MLV3.9/9

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like Port Moresby, Warrungarra Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like SIMA Simav-Kutahya, GEDZ Gediz, DEMIRCI Demirci, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like Labuha, KMSI Cibinong, SGSI Sangihe, etc.

ISC 06 09:20:54.6.2.5.20.54S.177.51W, h473km, 417km, mb3.2/5, mb1 3.4/7, mb1mx3.0/4.5, mbtm4.1/7, Error ellipse: s-maj=39.1km s-min=20.9km az=134.0, Fiji Islands region

ISC 06 09:28:59.4.3.8.20.35S.168.42E, h0km, mb3.7/2, mb1 3.9/3, mb1mx3.5/4.3, mbtm3.6/3, ML2.8/1, MS2.2/1, Ms1 2.2/1, ms1mx2.1/3.7, Error ellipse: s-maj=107.5km s-min=33.0km az=129.0, Loyalty Islands

ISC 06 09:59:33.8.1.0.105N.106.126.82E.0.07, h72km, n12, <math>\phi=65/16</math>, mb3.7/4, Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like Afiamalu, URZ Urewera, CTA Charters Tower, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like KULA Kula-Manisa, MANT Manisa, KHAL Karahalli, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like Labuha, KMSI Cibinong, SGSI Sangihe, etc.

ISC 06 09:23:53.1.1.1.5.08N.124.70E, h0km, mb3.7/5, mb1 3.8/6, mb1mx3.5/5.8, mbtm3.7/6, ML3.8/1, MS3.1/2, Ms1 3.1/2, ms1mx2.4/4.9, Error ellipse: s-maj=54.3km s-min=19.0km az=73.0

ISC 06 09:28:59.4.3.8.20.35S.168.42E, h0km, mb3.7/2, mb1 3.9/3, mb1mx3.5/4.3, mbtm3.6/3, ML2.8/1, MS2.2/1, Ms1 2.2/1, ms1mx2.1/3.7, Error ellipse: s-maj=107.5km s-min=33.0km az=129.0, Loyalty Islands

DJA 06 10:06:40.2.0.6.10.3S.111.8E.1, h22km, 5km, M3.9/17, MLV3.9/17, Sumbawa region

ISC 06 09:24:00.7.0.8.5.54N.107.2.126.5E.0.2, h66km, mb3.6/5, Error ellipse: s-maj=23.1km s-min=6.3km az=157.3 MAN 06 09:24:02.0.5.50N.120.46E, h49km, mb4.7, ML3.6, MS3.5 ISC 06 09:24:02.3.1.5.58N.105.126.5E.0.1, h66km, n13, <math>\phi=80/14</math>, mb3.5/5.1, C-1D, Mindanao

ISC 06 09:28:59.4.3.8.20.35S.168.42E, h0km, mb3.7/2, mb1 3.9/3, mb1mx3.5/4.3, mbtm3.6/3, ML2.8/1, MS2.2/1, Ms1 2.2/1, ms1mx2.1/3.7, Error ellipse: s-maj=107.5km s-min=33.0km az=129.0, Loyalty Islands

DJA 06 10:23:37.7.0.8.2.12N.2.12.7E.7, h20km, 7km, M4.5/14, ML4.6/13, mb3.5/2/6, MLV4.4/14, MW(MB)4.6/6 ISCJB 06 10:23:39.9.0.2.2.08N.0.02.126.13E.0.03, h83km, mb4.5/7.6, Error ellipse: s-maj=4.3km s-min=3.2km az=173.7

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like Mati, DAV Davao City, WRA Warrungarra Arr, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like DZM Mont Dzumac, WRA Warrungarra Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like PLAI Plampang, WBSI Waikabubak, TWSI Taliwang, etc.

CSEM 06 09:24:21.4.0.1.37.17N.28.21E, h20km, ML1.7, Error ellipse: s-maj=3.7km s-min=2.1km az=41.0

ISC 06 09:24:21.6.37.20N.28.19E, h15km, ML1.7/5, Turkey

DJA 06 10:23:42.6.2.56N.125.99E, h61km, mb4.7/2.0, mb4.7/2.0, mb4.7/10, MS4.3/6, Ms7.4/0.5

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like YER Yerkisik, MLBS Milas, TURN Turunc, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like JMA JMA, JMA Felli J1, JMA 06 09:34:57.8.0.1.37.06N.141.23E, h25km, 1km, M3.7

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like SGSI Sangihe, TWTI Ternate, KMSI Cibinong, etc.

CSEM 06 09:24:48.5.39.13N.27.62E, h7km, ML2.2, Suspected Mining explosion. DDA 06 09:24:48.5.39.13N.27.62E, h7km, ML2.2, Suspected Mining explosion, Turkey

NIED 06 09:34:00.37.10N.141.20E, h8km, Mw3.6 Best double co-located: M2.670000+14.0 N1.12670000+84.100000, <math>\lambda=76.00000^{\circ}</math>, <math>NP2\_{\phi=232.0000^{\circ}}</math>, <math>850.00000^{\circ}</math>, <math>\lambda=102.00000^{\circ}</math>

DJA 06 10:23:42.6.2.56N.125.99E, h61km, mb4.7/2.0, mb4.7/2.0, mb4.7/10, MS4.3/6, Ms7.4/0.5 ISC 06 10:23:41.9.0.3.2.11N.0.04.126.18E.0.05, h83km, n134, <math>\phi=154/138</math>, mb4.6/7.4, C-1D, Northern Molucca Sea





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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HACHIOJIMAKAS, MITSUNE, HACHIOJI JIMA 2, etc.

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

DJA 06 11:51:19.0, 0.8, 8'S:4°10'7"E, h22km, 7km, M3.7/11, ML3.7/11, Jawa

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

WAKE ISLAND HY 27.2 112 T T 12 37 27.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WAKE ISLAND HY 27.2 112 T, etc.

WAKE ISLAND HY 27.2 112 T T 12 37 27.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WAKE ISLAND HY 27.2 112 T, etc.

ISCUB 06 12:00:21.2, 0.5, 39.09N:0.03:29.18E, 0.03, h8km, 4km, Error ellipse: s-maj=5.1km s-min=4.0km az=159.5

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

ISCUB 06 12:00:21.2, 0.5, 39.09N:0.03:29.18E, 0.03, h8km, 4km, Error ellipse: s-maj=5.1km s-min=4.0km az=159.5

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

ISCUB 06 12:00:21.2, 0.5, 39.09N:0.03:29.18E, 0.03, h8km, 4km, Error ellipse: s-maj=5.1km s-min=4.0km az=159.5

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

DDA 06 12:00:21.0, 39.09N:29.16E, h7km, ML2.6

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

ISCUB 06 12:00:21.2, 0.5, 39.09N:0.03:29.18E, 0.03, h8km, 4km, Error ellipse: s-maj=5.1km s-min=4.0km az=159.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WAKE ISLAND HY 27.2 112 T, etc.

ISCUB 06 12:00:21.2, 0.5, 39.09N:0.03:29.18E, 0.03, h8km, 4km, Error ellipse: s-maj=5.1km s-min=4.0km az=159.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WAKE ISLAND HY 27.2 112 T, etc.

NEIC 06 12:01:53.1, 0.0, 18.30N:101.10W, h68km, MD4.0 (MEX), After MEX.

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

ISCUB 06 12:00:21.2, 0.5, 39.09N:0.03:29.18E, 0.03, h8km, 4km, Error ellipse: s-maj=5.1km s-min=4.0km az=159.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WAKE ISLAND HY 27.2 112 T, etc.

ISCUB 06 12:00:21.2, 0.5, 39.09N:0.03:29.18E, 0.03, h8km, 4km, Error ellipse: s-maj=5.1km s-min=4.0km az=159.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WAKE ISLAND HY 27.2 112 T, etc.

6d 12h

Table with columns for call sign, location, frequency, power, and other technical details. Includes entries like PLCA Paso Flores, SPB Sao Paulo, SVB Belmont, etc.

2012 MAY

Table with columns for call sign, location, frequency, power, and other technical details. Includes entries like WHTX Lake Whitney, WHTX Lake Whitney, WHTX Okolona, etc.

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Table with columns for call sign, location, frequency, power, and other technical details. Includes entries like CCM Cathedral Cave, BLO Bloomington, R42A La Paling, etc.









6d 15h

ASAR Alice Springs 38.82 196 P P 13 20 49.1 +0.7
ASAR Alice Springs 38.82 196 P P 13 20 49.1 +0.7
MKAR Makanchi Array 61.26 316 P P 13 23 36.8 0.0
KURBB Kurchatov Arra 64.39 320 P P 13 23 57.2 0.0
YKA Yellowknife Arr 82.61 27 P P 13 25 43.7 +0.5

MAN 06 13:29:53.2, 14:19N:121.27E, h10km, mb4.4, ML3.3, MS3.0, 1C-1D, Luzon
Code Station Name A° AZ° Phase ID Time Res
LQP Lukabang 0.27 107 Op ISC h m s ISC
LQY Tagaytay City 0.34 205 eP Sg 13 30 00.5 +0.5

MAN 06 13:44:14.6, 13.05N:123.99E, h19km, mb4.0, ML2.8, MS2.4, 2C-1D, Luzon
Code Station Name A° AZ° Phase ID Time Res
PVPV Virac 0.57 16 eP Sg 13 44 21.3 +4.6
MUPH Masbate 0.77 208 eP Sg 13 44 28.3 -5.2

ISJCJB 06 13:51:21.0:5.0:39.11N:129.18E:0.03, h8km, 4km, Error ellipse: s-maj=5.2km s-min=3.9km az=157.4
CSEM 06 13:51:21.0:1.39:11N:29.19E, h8km, ML2.3, Error ellipse: s-maj=2.9km s-min=2.2km az=143.0
DDA 06 13:51:21.4, 39.09N:29.15E, h7km, ML2.6
ISK 06 13:51:21.0, 39.12N:29.20E, h5km, ML2.3/10
ISC 06 13:51:21.0:6.0:38.12N:0.02:29.18E:0.02, h12km, 7km, n3B, 0E4752, Turkey

Code Station Name A° AZ° Phase ID Time Res
SIMA Simav-Kutahya 0.15 258 PG Sg 13 51 25.2 -0.1
SIMA Simav-Kutahya 0.15 258 eP Sg 13 51 27.9 0.0
SIMA Simav-Kutahya 0.15 258 eP Sg 13 51 25.2 -0.1
SIMA Simav-Kutahya 0.15 258 eP Sg 13 51 27.9 0.0
GDZ Gediz 0.24 96 iS Sg 13 51 26.4 +0.3
GDZ Gediz 0.24 96 iS Sg 13 51 30.3 +0.2
GDZ Gediz 0.24 96 P Sg 13 51 26.4 +0.3
GDZ Gediz 0.24 96 P Sg 13 51 30.3 +0.2

ISC 06 13:57:22.4:1.1, 33.33N:141.72E, h0km, mb3.4/5, mb1 3.7/8, mb1mx3.4/6, mbtmp3.6/8, ML3.8/3, MS2.9/1, Ms1 2.9/1, ms1mx2.4/35, Error ellipse: s-maj=28.7km s-min=19.6km az=82.02
JMA 06 13:57:28.9:0.2, 33.29N:141.22E, h63km, M3.5
ISC 06 13:57:26.4:1.7, 33.27N:0.05:141.45E:0.07, h29km, 13km, n22, 2E05/30, mb3.6/5, Off east coast of Honshu

Code Station Name A° AZ° Phase ID Time Res
JHJ2 Mitsune 1.38 264 P P 13 57 49.9 +0.3
JHJ2 Mitsune 1.38 264 P P 13 58 05.5 -1.4
JHJC Hachiojimakas 1.00 262 P S 13 57 50.1 +0.2
JHJC Hachiojimakas 1.00 262 P S 13 58 05.5 -1.6
JHJ Hachiojima 2 1.40 264 Pn Pn 13 57 50.2 +0.2

2012 MAY

ASAR Alice Springs 57.08 188 P P 14 07 11.2 +1.2
FINES FINESS Array B 72.16 333 P P 14 08 48.6 +0.6

JMA 06 14:01:53.8:0.2, 40.87N:145.36E, h63km, 5km, M3.5, Off east coast of Honshu
Code Station Name A° AZ° Phase ID Time Res
JEM Erimo 2.01 305 P Pn 14 02 28.8 +1.4
JAK Akkeshi 2.18 347 eP Sg 14 02 53.3 -0.3
JCH Churui 2.30 320 eP Sg 14 02 30.4 +1.1

ISC 06 14:16:17.8:3.7, 37.81N:73.97E, h84km, 31km, mb3.4/8, mb1 3.5/11, mb1mx3.2/66, mbtmp3.8/11, Error ellipse: s-maj=28.2km s-min=23.9km az=25.0
ISJCJB 06 14:16:23.5:0.4, 38.33N:0.02:73.99E:0.06, h124km, mb3.6/7, Error ellipse: s-maj=7.1km s-min=3.3km az=170.0
SOME 06 14:16:25.9, 39.28N:73.78E, h30km
NNC 06 14:16:27.6:2.2, 38.58N:73.74E, h140km, 14km, mb3.0, mp4.0, Error ellipse: s-maj=18.5km s-min=15.3km az=159.0

ISC 06 14:16:23.9:0.6, 38.33N:0.05:74.01E:0.06, h124km, n56, 2E12/68, mb3.5/7, 9C-5D, Tajikistan-Xinjiang border region
Code Station Name A° AZ° Phase ID Time Res
SFK Sufi-Kurgan 1.75 347 Op P 14 16 55.7 +1.0
SFK Sufi-Kurgan 1.75 347 Op P 14 16 55.7 +1.0

Code Station Name A° AZ° Phase ID Time Res
KSH Kashi 1.95 51 P Sg 14 16 54.8 -2.2
KSH Kashi 1.95 51 P Sg 14 17 15.2 -7.2
AML Alamayashu 3.82 356 P Pn 14 17 22.4 +0.9
KZA Kzart 3.88 14 P Pn 14 17 23.3 +1.0
UCH Uchtr 3.93 5 P Pn 14 17 24.3 +1.3
ULHL Ulahol 4.29 23 P Pn 14 17 29.0 +1.6
MNAS Manas 4.33 345 Op Pn 14 17 28.4 +0.5
MNAS Manas 29m,0.3s 29m,0.3s 4.33 345 Op Pn 14 17 28.4 +0.5

TNSS Tian-Shan 4.1m,0.3s 5.22 24 eP Pn 14 17 41.6 +1.4
TNS5 Tian-Shan 4.1m,0.3s 5.22 24 eP Pn 14 17 41.6 +1.4
MDOK Madoke 5.37 25 Op Pn 14 17 42.7 +0.8
MDOK Madoke 5.37 25 Op Pn 14 17 42.7 +0.8

Code Station Name A° AZ° Phase ID Time Res
JHJ2 Mitsune 1.38 264 P P 13 57 49.9 +0.3
JHJ2 Mitsune 1.38 264 P P 13 58 05.5 -1.4
JHJC Hachiojimakas 1.00 262 P S 13 57 50.1 +0.2
JHJC Hachiojimakas 1.00 262 P S 13 58 05.5 -1.6
JHJ Hachiojima 2 1.40 264 Pn Pn 13 57 50.2 +0.2

358

KOLN Koldanda 13.23 140 eP Pn 14 19 27.0 -0.1
DMN Daman 14.15 136 eP Pn 14 19 38.6 -0.4
PKIN Phulokhi 14.34 135 eP Pn 14 19 42.8 +1.4
GUN Gumba 14.36 133 eP Pn 14 19 41.3 -0.4

JIRN Jiri 14.73 133 eP Pn 14 19 46.9 +0.5
AB31 Akbukul array 14.90 322 Op Pn 14 19 47.2 -0.9
BVAR Borovoye Array 14.93 351 P Pn 14 19 47.2 -1.2
AKTO Aktyubinsk 16.62 322 P Pn 14 20 08.1 -1.2
AKTO Aktyubinsk 16.62 322 P Pn 14 20 08.3 -1.0
ZALV Zalesovo Beam 17.32 22 Op P 14 20 18.0 +0.9
ARU Arti 20.84 335 P Pn 14 20 56.6 +1.2
FINES FINESS Array B 37.37 324 P P 14 23 25.6 +1.4
ARCES ARCES Array B 40.43 336 P P 14 23 50.9 +1.4
HFS Haglors 43.16 321 P Pn 14 24 12.9 +1.1
NOA NORSTAR Array B 44.1 322 P P 14 24 23.1 +1.2
TORD Torodi Arr 68.14 270 P Pn 14 27 08.9 -1.9
YKA Yellowknife Arr 79.30 4 P P 14 28 16.4 +1.2
WRA Warramunga Arr 80.92 124 P P 14 28 22.0 -2.7

ISC 06 14:26:04.1:2.5, 1.90N:93.29E, h0km, mb3.6/4, mb1 3.7/5, mb1mx3.4/83, mbtmp3.6/5, ML3.8/1, Error ellipse: s-maj=9.6km s-min=27.4km az=65.0
DJA 06 14:26:37.4:1.0, 2.7N:7.9E:1.0, h10km, M2.9/4, ML2.9/4
ISC 06 14:26:08.1:4.2, 1.21N:0.1:94.0E:0.1, h10km, n12, 1E157/11, mb3.8/4, Off west coast of northern Sumatra

Code Station Name A° AZ° Phase ID Time Res
MLSI Meulaboh, Aceh 3.18 48 Op ISC h m s ISC
TPTI TPTI 3.35 71 P Sg 14 27 23.6 +1.5
TPTI TPTI 3.35 71 P Sg 14 27 38.1 -2.2
BSI Banda Aceh 3.56 21 P Pn 14 27 30.7 +1.4
GSI Gungasitoli 3.65 103 P Pn 14 27 04.6 -0.1
KCSI Kiseki, Aceh 3.99 70 P Pn 14 27 11.7 +2.3
MNSI Mandailing Nat 5.72 103 P Pn 14 27 33.4 +0.3
CMAR Chiang Mai Arr 6.19 16 P P 14 30 08.4 +1.4
MKAR Makanchi Array 45.63 349 P P 14 34 27.9 -0.9
ASAR Alice Springs 46.51 126 P P 14 34 37.6 +1.6
SONM Songino Array 46.76 11 P P 14 34 37.4 -0.3
ZALV Zalesovo Beam 52.19 353 P P 14 35 17.9 -1.0
Lajitas Array 144.47 27 PKP PKPab 14 45 42.0 -1.6

ISC 06 14:28:08.7:5.2, 3.22S:1.01E, h0km, mb3.6/5, mb1 3.7/5, mb1mx3.4/60, mbtmp3.6/5, Error ellipse: s-maj=25.7km s-min=21.2km az=52.0
ISJCJB 06 14:28:16.1:0.6, 3.10S:0.06:101.27E:0.05, h68km, 7km, mb3.7/5, Error ellipse: s-maj=11.9km s-min=5.7km az=36.4
DJA 06 14:28:16.7:0.6, 3.3S:1.01E, h30km, 6km, M3.4/7, ML3.4/7

ISC 06 14:28:16.9:1.1, 3.11S:0.06:101.28E:0.05, h56km, 13km, n16, 0E68/18, mb3.6/5, Southern Sumatra
Code Station Name A° AZ° Phase ID Time Res
MASI Maura Aman, Be 0.96 92 P Pn 14 28 34.6 +0.3
MASI Maura Aman, Be 0.96 92 P Pn 14 28 45.5 -1.7
KRJI Kerinci 1.03 10 P Sg 14 28 35.8 +0.5
KRJI Kerinci 1.03 10 P Sg 14 28 42.0 +0.4
PPSI Pulau Pagai 1.31 285 P Sg 14 28 39.4 +0.4
PPSI Pulau Pagai 1.31 285 P Sg 14 28 55.0 -0.5
MNAI Manna 2.08 127 P Sg 14 28 50.0 +0.5
MNAI Manna 2.08 127 P Sg 14 29 14.9 +0.6
SDSI Sungai Dareh 2.17 4 P Sg 14 28 51.6 +1.0
PDSI Padang 2.33 339 P Sg 14 28 53.0 +0.1
PDSI Padang 2.33 339 P Sg 14 29 19.5 -0.9
SISI Saibi 2.81 309 P Sg 14 28 59.8 +0.4
SISI Saibi 2.81 309 P Sg 14 29 32.2 0.0
H08S2 Diego Garcia H 29.00 260 T T 15 03 39.2
H08S3 Diego Garcia H 29.01 260 T T 15 03 43.6
H08S1 Diego Garcia H 29.02 260 T T 15 03 45.3
WRA Warramunga Arr 36.33 120 P P 14 35 15.7 0.0
ASAR Alice Springs 37.57 126 P P 14 35 26.4 +0.2
MKAR Makanchi Array 52.44 344 P P 14 37 23.3 -0.5
KURBB Kurchatov Arra 56.97 348 P P 14 37 56.4 -0.1
ZALV Zalesovo Beam 58.49 349 P P 14 38 06.9 -0.2
TXAR Lajitas Array 144.77 40 PKPbc PKPbc 14 47 47.7 +0.3

ISC 06 14:52:11.9:0.6, 37.24N:0.04:28.20E:0.05, h0km, Error ellipse: s-maj=7.7km s-min=4.1km az=40.6
DDA 06 14:52:11.9, 37.22N:28.20E, h7km, ML2.5, Suspected Mining operation
ISK 06 14:52:11.6, 37.22N:28.18E, h5km, ML2.3/6
CSEM 06 14:52:12.0:0.1, 37.23N:28.20E, h1km, ML2.2, Error ellipse: s-maj=2.9km s-min=1.8km az=41.0, Suspected Mining operation
ISC 06 14:52:10.9:0.9, 37.23N:0.04:28.11E:0.05, h0km, n19, 0E30/26, Turkey

Code Station Name A° AZ° Phase ID Time Res
YER Yerkesik 0.17 125 PG Sg 14 52 14.7 +0.5
YER Yerkesik 0.17 125 PG Sg 14 52 16.6 +0.3
YER Yerkesik 0.17 125 eP Sg 14 52 14.7 +0.5
YER Yerkesik 0.17 125 eP Sg 14 52 16.6 +0.3
MLSB Milas 0.27 284 SG Sg 14 52 20.9 -0.3
MLSB Milas 0.27 284 SG Sg 14 52 29.9 -0.1
AYDN Tasoluk 0.47 337 iP Sg 14 52 23.0 -0.1
AYDN Tasoluk 0.47 337 iP Sg 14 52 22.0 -0.1
TURN Turunc 0.53 132 P Pn 14 52 27.6 -0.4
TURN Turunc 0.53 132 P Pn 14 52 27.6 -0.4
TURN Turunc 0.53 132 eP Sg 14 52 20.8 -0.5
TURN Turunc 0.53 132 eP Sg 14 52 27.6 -0.4
TURN Turunc 0.53 132 eP Sg 14 52 27.6 -0.4
BODT Bodrum 0.66 255 eP Sg 14 52 25.7 +0.3
BODT Bodrum 0.66 255 eP Sg 14 52 25.7 +0.3
TAVA DENIZLI Tavas 0.68 70 iP Pn 14 52 24.2 +0.2
TAVA DENIZLI Tavas 0.68 70 iP Pn 14 52 24.2 +0.2
AYDB Zeytinok-Aydi 0.74 346 PG Pn 14 52 26.8 +0.1
AYDB Zeytinok-Aydi 0.74 346 eP Pn 14 52 26.8 +0.1
MANT Manisa 1.31 16 iP Pn 14 52 36.7 0.0
MANT Manisa 1.31 16 iP Pn 14 52 36.7 0.0
AKAS Kas 1.56 129 Pn Pn 14 52 40.1 0.0
AKAS Kas 1.56 129 eP Pn 14 52 40.1 0.0

ISCJCJB 06 15:06:54.4:0.5, 38.98N:0.02:29.92E:0.04, h7km, 6km, Error ellipse: s-maj=5.9km s-min=4.1km az=9
CSEM 06 15:06:54.6:0.1, 38.99N:29.91E, h2km, ML2.5, Error ellipse: s-maj=2.8km s-min=2.2km az=92.0
DDA 06 15:06:54.4, 38.98N:29.94E, h7km, ML2.5

ISK 06 15:06:54.1, 38.97N, 29.90E, h5km, ML2.2/5
ISC 06 15:06:54.7, 1.0, 38.99N, 0.02, 29.93E, 0.03, h10km, 11km, n29, c061/42, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Gediz, Kutahya, Tavsanli, Suhut-Afyon, Karahalli, Las Campanas, etc.

MEX 06 15:10:54.9, 0.3, 14.91N, 93.22W, h43km, 23km, MD3.7, Near coast of Chiapas

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

CSEM 06 15:27:58.7, 0.2, 37.05N, 36.15E, h10km, ML1.9, Error ellipse: s-maj=3.6km s-min=3.4km az=92.0
ISK 06 15:27:58.2, 37.08N, 36.12E, h20km, ML1.9/4
DDA 06 15:27:59.1, 37.03N, 36.20E, h7km, MD2.5
ISC 06 15:27:58.6, 1.3, 37.05N, 0.03, 36.14E, 0.03, h3km, 12km, n18, c0679/30, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like YUREGIR, KOZAN, ANDIRIN, KARAHALLI, etc.

ISCJB 06 15:32:08.4, 0.5, 18.20N, 0.05, 145.58E, 0.1, h150km, mb3.6/17, Error ellipse: s-maj=17.0km s-min=7.3km az=5.4

DDA 06 15:32:10.0, 0.2, 18.17N, 145.75E, h150km, 21km, mb3.5/16, mb1.3/7, mb1mx3.5/58, mbtmp3.9/17, Error ellipse: s-maj=18.2km s-min=12.0km az=92.0

ISC 06 15:32:09.7, 0.6, 18.20N, 0.07, 145.58E, 0.1, h150km, n25, c0132/24, mb3.7/17, Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like GUMO, JHJ, JOW, MJAR, H1N1, H1N2, H1N3, ASAJ, ASAR, CMAR, SEY, STKA, MKAR, KURBB, ILAR, BVAR, INK, YKA, YKA, YBH, NVAR, etc.

FINES FINESSE Array B 87.37 335 P 15 44 37.0 -2.6
PDAR Pinedale Array 88.11 45 P 15 44 44.3 +0.4
LPAZ 147.58 92 PKPbc 15 51 38.8 +0.7

ISCJB 06 15:42:16.8, 0.9, 28.84S, 0.04, 69.44W, 0.05, h126km, 9km, Error ellipse: s-maj=6.9km s-min=6.3km az=172.0
SJA 06 15:42:16.5, 1.1, 28.83S, 69.46W, h123km, 6km, ML2.6, MW2.8
GUC 06 15:42:18.1, 0.3, 28.86S, 69.49W, h110km, 3km, ML3.0
ISC 06 15:42:17.0, 1.8, 28.83S, 0.05, 69.46W, 0.04, h127km, 14km, n16, c0670/29, 4C, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like AGUA GUANDACOL, Las Campanas, AROD Rodeo, TLL, AMOG MOGNA, etc.

ISC 06 15:47:54.9, 5.6, 3.91S, 150.14E, h80km, 54km, mb3.0/4, mb1.3/4.5, mb1mx3.1/43, mbtmp3.5/5, ML1.7/1, MS2.7/1, Ms1.2/7, ms1mx2.2/16, Error ellipse: s-maj=68.6km s-min=31.1km az=122.0, New Ireland region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, ILAR Eielson Array, etc.

MEX 06 15:57:43.2, 0.4, 16.08N, 98.39W, h2km, 3km, MD3.9, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like PNIG Pinotepa, TLIG Tlapa, VHO Vista Hermosa, PLIG Platanillo, etc.

ISC 06 16:04:04.5, 10.0, 5.81S, 151.89E, h55km, 74km, mb2.8/2, mb1.3/2.3, mb1mx2.9/44, mbtmp3.2/3, ML1.4/1, Error ellipse: s-maj=118.3km s-min=61.5km az=127.0, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, TORD Torodi Arr, etc.

ISCJB 06 16:08:50.0, 0.6, 39.07N, 0.04, 29.10E, 0.04, h6km, 7km, Error ellipse: s-maj=7.8km s-min=5.0km az=152.1
DDA 06 16:08:49.9, 39.10N, 29.10E, h6km, ML2.6
ISK 06 16:08:49.4, 39.06N, 29.11E, h6km, ML1.9/5
CSEM 06 16:08:50.0, 1.1, 39.08N, 29.11E, h5km, ML1.9, Error ellipse: s-maj=3.3km s-min=1.8km az=138.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like SIMA Simav-Kutahya, SIMA Simav-Kutahya, GDZ Gediz, DEMI Demirci, TVSB Tavsanli, KULA Kula-Manisa, MANT Manisa, BORA Eskisehir, ARMT Armutlu, etc.

ARMT Armutlu 1.47 353 ePn Pb 16 09 17.8 +0.2
YLVA Yalova 1.48 8 PN Pb 16 09 17.8 +0.1
YLVA Yalova 1.48 8 ePn Pb 16 09 17.8 +0.1

MEX 06 16:11:06.9, 0.2, 13.87N, 92.09W, h15km, MD3.8, Off coast of Chiapas
Code Station Name Az Az' Phase ID Time Res ISC
THIG 1.05 351 iP Pb 16 11 23.3 -3.5
PCIG 1.05 351 eS Sb 16 11 36.1 -4.3
THIG 2.13 329 eS Sb 16 12 03.7 -4.4
CCIG 2.40 359 iS Pn 16 11 43.0 -2.9
CCIG 1.05 351 iS Pn 16 12 11.1 -4.1

ISCJB 06 16:15:12.8, 0.4, 39.10N, 0.03, 29.18E, 0.03, h5km, 4km, Error ellipse: s-maj=4.6km s-min=3.1km az=161.9
CSEM 06 16:15:12.9, 0.1, 39.11N, 29.18E, h8km, ML2.4, Error ellipse: s-maj=2.3km s-min=1.7km az=152.0
ISK 06 16:15:12.5, 39.13N, 29.19E, h5km, ML2.4/8
DDA 06 16:15:12.7, 39.10N, 29.18E, h5km, ML2.4
ISC 06 16:15:12.9, 0.8, 39.11N, 0.02, 29.18E, 0.02, h10km, 6km, n39, c0636/2, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like SIMA Simav-Kutahya, GDZ Gediz, DEMI Demirci, TVSB Tavsanli, KULA Kula-Manisa, MANT Manisa, BORA Eskisehir, ARMT Armutlu, etc.

NEIC 06 16:24:31.5, 0.0, 16.33N, 98.27W, h12km, MD4.0 (MEX), After MEX

MEX 06 16:24:31.5, 0.4, 16.33N, 98.27W, h12km, 2km, MD4.0, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like PNIG Pinotepa, TLIG Tlapa, VHO Vista Hermosa, PLIG Platanillo, etc.

NEIC 06 16:43:58.5, 0.0, 14.56N, 93.13W, h16km, 33km, MD4.0, After MEX

MEX 06 16:43:58.5, 0.5, 14.56N, 93.13W, h16km, 33km, MD4.0, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like THIG, THIG, PCIG, PCIG, CCIG, CCIG, TGIG, TGIG, TLIG Tlapa, etc.

ISCJB 06 16:58:32.7, 0.5, 0.51S, 104.98E, 0.05, h32km, mb3.9/12, Error ellipse: s-maj=7.6km s-min=3.6km az=143.6

NEIC 06 16:58:35.3, 1.0, 0.55S, 98.64E, h55km, 7km, mb4.3/4, Error ellipse: s-maj=14.7km s-min=5.5km az=56.0
DJA 06 16:58:35.0, 3.0, 0.53S, 97.9E, h48km, 27km, ML4.5/17, mb4.7/6, mb5.4/3, ML4.8/17, mb4.8/3
DDA 06 16:58:37.4, 3.8, 0.33S, 98.28E, h46km, 34km, mb3.7/10, mb1.3/8, mb1mx3.5/62, mbtmp3.9/12, ML4.4/1, MS2.7/2, Ms1.2/8, ms1mx2.3/51, Error ellipse: s-maj=45.8km s-min=14.9km az=59.0
ISC 06 16:58:34.2, 0.6, 0.45S, 104.98E, 0.06, h32km, n67, c1867/10, mb4.1/12, Southern Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SISI Saibi, MNSI Mandailing Nat, PDI Padang, etc.

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

ISCJB 06 17:04:42.7, 1.2, 22.44N:0.09:143.0E:0.3, h150km, mb3.4/6, Error ellipse: s-maj=39.1km s-min=12.3km

ISC 06 17:04:44.6, 2.7, 22.51N:143.13E, h153km, 22km, mb3.2/6, mb1.3/8, mb1mx3.0/6, mbmp3.7/8, MS3.5/1, Ms1.3/5.1, ms1mx2.2/19, Error ellipse: s-maj=34.3km s-min=19.2km az=84.0

ISC 06 17:04:44.5, 1.3, 22.55N:0.11:143.0E:0.3, h150km, n8, o546.9, mb3.6/6, Volcan Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JCJ Chichijima, KSRs Korea Arr, WRA Warrung Arr, etc.

NEIC 06 17:06:58.0, 0.0, 18.24N:67.83W, h67km, MD3.2(RSPR), After RSPR.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like IMPR Mona Island, IDE Isla Desecheo, LSP Las Mesas, etc.

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

SCB 06 17:09:44.9, 0.2, 17.82S:67.14W, h10km, M15.7/1, Error ellipse: s-maj=9.5km s-min=4.5km az=44.0

ISCJB 06 17:09:51.9, 0.3, 17.83S:0.04:67.00W:0.06, h35km, mb4.0/11, MS3.8/23, Error ellipse: s-maj=8.0km s-min=4.9km az=169.0

NEIC 06 17:09:53.6, 0.5, 17.88S:67.02W, h42km, 5km, mb4.4/5, Error ellipse: s-maj=7.1km s-min=5.8km az=95.0

ISC 06 17:09:53.1, 2.6, 17.90S:67.08W, h34km, 20km, mb3.7/7, mb1.4/0.11, mb1mx3.7/5.1, mbmp4.0/11, ML4.0/4, MS3.7/25, Ms1.3/7.25, ms1mx3.6/44, Error ellipse: s-maj=21.9km s-min=12.9km az=44.0

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ULM Lac du Bonnet, NVAR Mina Array, TOA1 Torodi Arr, etc.

IDC 06 17:19:19.5:24.0, 5.61N:94.34E, h140km, 198km, mb3.0/5, mb1.3/1.6, mb1mx2.8/6.8, mbmp3.4/6, ML3.5/1, Error ellipse: s-maj=225.8km s-min=17.6km az=57.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, MKAR Makanchi Array, WRA Warrung Arr, etc.

IDC 06 17:21:59.6: 1.0, 26.81N:143.82E, h0km, mb3.7/9, mb1.3/7.10, mb1mx3.6/6.0, mbmp3.7/10, ML3.2/11, MS3.5/3, Ms1.3/5.3, ms1mx2.5/4.8, Error ellipse: s-maj=25.1km s-min=18.7km az=82.0

ISCJB 06 17:22:02.7, 0.8, 26.8N:0.1:143.78E:0.09, h33km, mb3.5/10, MS3.5/3, Error ellipse: s-maj=15.4km s-min=11.1km az=13.8

ISC 06 17:22:05.0, 1.1, 26.9N:0.1:143.7E:0.1, h35km, n16, o1933.1/4, mb3.7/10, MS3.6/3, Bonin Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JCJ Chichijima, MJAR Matsushiro Arr, KSRs Korea Arr, etc.

IDC 06 17:38:00.6: 3.7, 0.89S:100.14E, h0km, mb3.5/4, mb1.3/6.5, mb1mx3.3/6.0, mbmp3.5/5, ML3.5/1, Error ellipse: s-maj=170.8km s-min=21.4km az=57.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, H01W3 Cape Leeuwin H, WRA Warrung Arr, etc.

IDC 06 17:44:43.7: 5.2, 4.33S:128.59E, h91km, 67km, mb3.3/2, mb1.3/5.5, mb1mx3.1/5.0, mbmp3.7/5, ML3.9/3, Error ellipse: s-maj=74.7km s-min=19.7km az=78.0, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SIJ Siu, WRA Warrung Arr, ASAR Alice Springs, etc.









6d 19h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like MCKinley, RND Reindeer, WRH Wood River Hill, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like KSH, KKK, PKIN, RES, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like BMN, KVN, OBN, RYN, etc.

Table with columns: NEY, comp, pmax, pmax, and various station names like ONI, Y12C, N23A, etc.

Table with columns: PVCC, DRGR, VYHS, VYHS, etc., and various station names like Panska Ves, Vyhne, etc.

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, and various station names like OFUJ, MIYJ, etc.

NIED 06 19:41:00, 39.20N; 142.40E, h29km, Mw3.6 Best double couple: M2=45000x1014 NP1=341.00000, 841.00000, lambda=118.00000. NP2=196.00000, 854.00000, lambda=68.00000. JMA 06 19:41:28.6, 0.1, 39.19N; 142.43E, h31km, Mw3.8 IDC 06 19:41:32.7, 2.5, 39.13N; 142.50E, h64km, Mw2.3km, 3/3, 8











IDC 06 23:03:56.8:1.9, 6.56S: 130.13E, h140km, 19km, mb3.7/8, mb1 3/7.1, mb1mx3.6/49, mbtmp4.2/1.1, Error ellipse: s-maj=25.8km s-min=14.0km az=80.0

DJA 06 23:03:57.3:0.5, 7.5:4.13'0E, h226km, 15km, M4.5/9, mb4.3/6, mb5.1/3, MLV4.6/9, Mw(mb)4.4/3

NEIC 06 23:03:57.6:0.6, 6.68S: 130.11E, h153km, 9km, mb4.1/6, Error ellipse: s-maj=12.8km s-min=6.9km az=90.0

ISC 06 23:03:56.8:0.5, 6.74S: 130.11E:0.06, h146km, n45, c2919/55, mb3.9/12, Banda Sea

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

MEX 06 23:05:16.3:0.8, 16.44N:98.20W, h13km, 6km, MD3.9, Near coast of Guerrero

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations near Guerrero.

IDC 06 23:13:15.7:1.4, 6.51S: 104.16E, h0km, mb3.6/7, mb1 3/8, mb1mx3.4/62, mbtmp3.6/8, ML3.6/1, MS3.0/1, Ms1 3.0/1, ms1mx2.3/40, Error ellipse: s-maj=53.2km s-min=17.9km az=40.0

ISCJB 06 23:13:19.8:0.8, 6.61S: 104.27E:0.06, h40km, mb3.5/7, MS3.1/1, Error ellipse: s-maj=9.7km s-min=6.3km az=141.0

DJA 06 23:13:21.2:2.1, 0.6:7.5:4.10'E, h10km, M3.8/6, MLV3.8/6

ISC 06 23:13:22.2:1.0, 6.50S: 104.37E:0.08, h40km, n26, c1973/20, mb3.5/7, Sunda Strait

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations in the Sunda Strait region.

0.3nm, 0.5s, baz=191, slow=4.4, SNR=2.7 MKAR Makanchi Array 56.57 342 P P 23 22 59.7 -1.6

KURBB Kurchatov Arra 61.12 342 P P 23 23 30.7 -1.6

ZALV Zalesovo Beam 62.44 347 P P 23 23 39.5 -1.6

BRTR Keskin Array B 79.55 312 P P 23 25 25.0 -0.4

TXAR Lajitas Array 145.15 46 PKPbc PKPbc 23 32 55.6 -0.3

ISK 06 23:18:16.9, 38.68N:43.38E, h23km, ML2.5/4

ISCJB 06 23:18:18.4:0.5, 38.71N:0.03:43.30E:0.05, h15km, 5km, Error ellipse: s-maj=7.3km s-min=4.9km az=20.3

CSEM 06 23:18:18.3:0.2, 38.71N:43.30E: h10km, ML2.5, Error ellipse: s-maj=5.8km s-min=4.8km az=110.0

DDA 06 23:18:18.3, 38.70N:43.30E, h7km, ML2.6

ISC 06 23:18:18.6:1.0, 38.71N:0.02:43.34E:0.03, h18km, 2km, n27, c0579/37, Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations in Turkey.

ATA 06 23:34:35.5:1.8, 39.03N:41.50E, h7km, 26km, ML3.6, MW3.5

DDA 06 23:34:36.7, 39.07N:41.52E, h16km, ML2.8

ISC 06 23:34:37.1:0.1, 39.06N:41.54E, h5km, ML2.8, Error ellipse: s-maj=3.1km s-min=2.6km az=35.0

ISC 06 23:34:37.3:0.8, 39.06N:41.51E:0.01, h9km, 6km, n103, c1809/136, IC-1D, Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations in Turkey.

ECAT Cat-ERZURUM 0.69 323 P Pg 23 34 50.4 -0.2

ECAT Cat-ERZURUM 0.69 323 P Sg 23 34 50.4 -0.2

BINT Bingol 0.82 258 ePg Sg 23 34 59.8 -3.7

YEDI Yedisu-Bingol 0.84 297 P Pg 23 34 52.6 -0.9

YEDI Yedisu-Bingol 0.84 297 ePg P Pg 23 34 52.6 -0.9

ERZM Erzurum 0.85 353 P Pg 23 34 52.5 -1.3

ERZM Erzurum 0.85 353 P Pg 23 34 52.5 -1.3

ERZM Erzurum 0.85 353 P Pg 23 34 52.5 -1.3

SVAN Silvan-Diyarbakir 0.94 195 P Pg 23 34 54.9 -0.4

ADCV Bitlis-Adilcev 0.98 104 P Sg 23 34 55.2 -0.4

ADCV Bitlis-Adilcev 0.98 104 P Sg 23 34 55.2 -0.4

TUTA Tutak 1.07 71 P Pg 23 34 56.8 -1.0

TUTA Tutak 1.07 71 P Sg 23 35 14.4 -0.4

HANI Diyarbakir\_Han 1.08 234 P Sg 23 35 16.7 +2.8

HANI Diyarbakir\_Han 1.08 234 P Sg 23 35 16.7 +2.8

EUMZ Uzulmu 1.55 295 eP Pn 23 35 04.9 -0.3

EUMZ Uzulmu 1.55 295 iP Pn 23 35 04.5 -0.7

EUMZ Uzulmu 1.55 295 P Pn 23 35 04.5 -0.7

DIYA Diyarbakir 1.57 224 P Sg 23 35 06.8 +0.9

DIYA Diyarbakir 1.57 224 P Sg 23 35 06.8 +0.9

DIYA Diyarbakir 1.57 224 P Sg 23 35 06.8 +0.9

TVAN Van 1.57 109 P Sg 23 35 06.5 -0.9

TVAN Van 1.57 109 P Sg 23 35 06.5 -0.9

TVAN Van 1.57 109 P Sg 23 35 06.5 -0.9

SENK Senkaya-Erzuru 1.64 23 Pn 23 35 06.6 -1.2

MAZI Mazidag 1.80 208 Pn 23 35 08.2 +0.6

MAZI Mazidag 1.80 208 Pn 23 35 08.2 +0.6

MARD Mardin 1.83 199 P Pn 23 35 09.5 +0.4

MARD Mardin 1.83 199 P Pn 23 35 09.5 +0.4

DEM Demirkent 1.84 6 P Pn 23 35 09.9 -1.3

DEM Demirkent 1.84 6 P Pn 23 35 09.9 -1.3

SVRC Sivrice-ELAZID 1.85 249 Pn 23 35 09.9 +1.3

SVRC Sivrice-ELAZID 1.85 249 Pn 23 35 09.9 +1.3

CLDR Caldiran 1.88 87 P Pn 23 35 09.6 -0.2

CLDR Caldiran 1.88 87 P Pn 23 35 09.6 -0.2

CLDR Caldiran 1.88 87 P Pn 23 35 09.6 -0.2

DBAD Bademkaya 1.96 9 P Pn 23 35 12.1 -1.2

DBAD Bademkaya 1.96 9 P Pn 23 35 12.1 -1.2

DBAD Bademkaya 1.96 9 P Pn 23 35 12.1 -1.2

DIGO Kars 1.98 46 P Pn 23 35 12.2 -1.4

DIGO Kars 1.98 46 P Pn 23 35 12.2 -1.4

DIGO Kars 1.98 46 P Pn 23 35 12.2 -1.4

ELZG Elazig 2.05 255 P Pn 23 35 13.5 -1.3

ELZG Elazig 2.05 255 P Pn 23 35 13.5 -1.3

KELT Kelkit 2.06 303 P Pn 23 35 14.8 -0.1

KELT Kelkit 2.06 303 P Pn 23 35 14.8 -0.1

KELT Kelkit 2.06 303 P Pn 23 35 14.8 -0.1

CHOM Cayeli-Rize 2.12 344 Pn 23 35 13.7 +0.8

CHOM Cayeli-Rize 2.12 344 Pn 23 35 13.7 +0.8

IGDI IGDIR 2.15 67 P Pn 23 35 15.2 -1.2

IGDI IGDIR 2.15 67 P Pn 23 35 15.2 -1.2

REFA Refahiye ERZ 2.16 280 P Pn 23 35 15.1 +1.8

REFA Refahiye ERZ 2.16 280 P Pn 23 35 15.1 +1.8

TASB TABSURUN-IGDIR 2.30 65 Pn 23 35 16.1 +0.6

TASB TABSURUN-IGDIR 2.30 65 Pn 23 35 16.1 +0.6

ILIC ilic-Erzincan 2.32 281 Pn 23 35 16.8 +1.0

ILIC ilic-Erzincan 2.32 281 Pn 23 35 16.8 +1.0

KEMA Kemaliye 2.35 276 P Pn 23 35 20.2 +0.2

KEMA Kemaliye 2.35 276 P Pn 23 35 20.2 +0.2

BCA Borcka 2.39 2 Pn 23 35 17.4 +0.8

BCA Borcka 2.39 2 Pn 23 35 17.4 +0.8

MALT Malatya 2.52 254 Pn 23 35 19.5 +0.9

MALT Malatya 2.52 254 Pn 23 35 19.5 +0.9

MALT Malatya 2.52 254 Pn 23 35 19.5 +0.9

NDI 06 23:49:15.1:2.8, 23.53N:87.74E, h15km, ML4.2, Southern India

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations in Southern India.

AGT Agartala 3.51 84 ex x 23 50 39.5

AGT Agartala 3.51 84 ex x 23 50 39.5

BELO BELONIA 3.69 94 P Pn 23 50 12.2 +0.7

BELO BELONIA 3.69 94 P Pn 23 50 12.2 +0.7

SHL Shillong 4.52 62 eP Sg 23 50 23.9 +0.7

SHL Shillong 4.52 62 eP Sg 23 50 23.9 +0.7

SHL Shillong 4.52 62 eP Sg 23 50 23.9 +0.7

GUWA GUWAHATI 4.68 55 eP Pn 23 50 25.6 +0.4

GUWA GUWAHATI 4.68 55 eP Pn 23 50 25.6 +0.4

AZL Aizawl 4.81 87 eP Pn 23 50 27.4 +0.2

AZL Aizawl 4.81 87 eP Pn 23 50 27.4 +0.2

TEZP TEZPUR 5.75 57 P Pn 23 50 40.6 +0.7

TEZP TEZPUR 5.75 57 P Pn 23 50 40.6 +0.7

IMP Imphal 6.08 76 ex Pn 23 50 39.8 -4.7

IMP Imphal 6.08 76 ex Pn 23 50 39.8 -4.7

KOHI KOHIMA 6.44 69 ex Pn 23 50 44.7 -4.9

KOHI KOHIMA 6.44 69 ex Pn 23 50 44.7 -4.9

ITAN ITANAGAR 6.72 56 eP Pn 23 50 53.9 +0.6

ITAN ITANAGAR 6.72 56 eP Pn 23 50 53.9 +0.6

ITAN ITANAGAR 6.72 56 eP Pn 23 50 53.9 +0.6

MOKO MOKOCHONG 6.99 65 eP Pn 23 50 54.9 -2.2

MOKO MOKOCHONG 6.99 65 eP Pn 23 50 54.9 -2.2

ZIRO ZIRO 7.02 54 P Pn 23 50 57.0 -0.6

ZIRO ZIRO 7.02 54 P Pn 23 50 57.0 -0.6

ZIRO ZIRO 7.02 54 P Pn 23 50 57.0 -0.6

ISCJB 07 00:02:18.4:0.5, 39.06N:103.29:15E:0.03, h5km, 5km, Error ellipse: s-maj=5.6km s-min=4.0km az=163.0

CSEM 07 00:02:18.4:0.1, 39.10N:29.14E, h5km, ML2.2, Error ellipse: s-maj=2.5km s-min=2.1km az=144.0

DDA 07 00:02:18.1, 39.07N:29.13E, h8km, ML2.5

ISK 07 00:02:18.1, 39.10N:29.13E, h6km, ML2.2/3

ISC 07 00:18:2.0:0.4, 9.39N:100.03:29.13E:0.02, h7km, 7km, n37, c0941/54, Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations in Turkey.

SIMA Simav-Kutahya 0.11 263 P Pg 00 02 20.9 -0.1

SIMA Simav-Kutahya 0.11 263 ePg Sg 00 02 20.9 -0.1

GDZ Gediz 0.28 92 P Sg 00 02 28.0 +0.7

DEM Demirci 0.32 260 P Pn 00 02 25.4 +0.4

DEM Demirci 0.32 260 P Pn 00 02 25.4 +0.4

TVSB Tavsanli 0.44 36 P Pg 00 02 26.2 -0.8

TVSB Tavsanli 0.44 36 P Pg 00 02 26.2 -0.8

KULA Kula-Manisa 0.69 212 P Pn 00 02 31.8 +0.2

KULA Kula-Manisa 0.69 212 P Pn 00 02 31.8 +0.2

DURS Dursunbey 0.71 315 P Sg 00 02 46.0 -0.3

DURS Dursunbey 0.71 315 P Sg 00 02 46.0 -0.3

MANT Manisa 0.75 216 P Pn 00 02 33.2 -0.8

MANT Manisa 0.75 216 P Pn 00 02 33.2 -0.8

KHAL Karahalli 0.78 158 P Pn 00 02 34.4 -0.1

KHAL Karahalli 0.78 158 P Pn 00 02 34.4 -0.1

AKHS Akhisar 1.04 258 P Sg 00 02 38.4 -0.1

AKHS Akhisar 1.04 258 P Sg 00 02 38.4 -0.1

BALB Balikesir 1.11 300 Pn 00 02 40.1 -0.3

BALB Balikesir 1.11 300 Pn 00 02 40.1 -0.3

STEP STEP 1.13 285 P Sg 00 02 57.0 +0.5

STEP STEP 1.13 285 P Sg 00 02 57.0 +0.5

IGD Bursa 1.17 3 P Pn 00 02 41.7 +0.5

IGD Bursa 1.17 3 P Pn 00 02 41.7 +0.5

MDNY Mudanya-Bursa 1.28 352 Pn 00 02 58.5 +1.1

MDNY Mudanya-Bursa 1.28 352 Pn 00 02 58.5 +1.1

BORA Eskisehir 1.29 52 Pn 00 02 43.2 +0.1

BORA Eskisehir 1.29 52 Pn 00 02 43.2 +0.1

KCTX Karacabey (Bur) 1.31 333 Pn 00 02 43.6 +0.1



7d 1h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like KHMZ, GEYT, RAYN, CEPY, etc.

IDC 07:00:34:02.3-2.7, 2.71S-136.78E, h0km, mb3.7f, mb1 4.0/4, mb1mx3.6/46, mbtmp3.8/4, ML3.9/1, MS3.1/2, Ms1 3.1/2, ms1mx2.4/42, Error ellipse: s-maj=119.1km s-min=27.2km az=82.0, Irian Jaya region

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

DDA 07:00:46:03.6, 41.59N-41.60E, h7km, ML3.4 TIF 07:00:46:03.8, 41.63N-41.55E, h30km, ML2.9/9 CSEM 07:00:46:04.0-0.3, 41.62N-41.62E, h10km, ML2.9, Error ellipse: s-maj=6.6km s-min=3.7km az=159.0

ISCJB 07:00:46:05.2-0.7, 41.61N-0.04-4.1, 6.5E-0.03, h15km, 3km Error ellipse: s-maj=8.1km s-min=3.7km az=161.1 ATA 07:00:46:05.2-2.0, 41.45N-41.75E, h22km, 13km, ML3.6, MW3.4

ISC 07:00:46:04.7-1.0, 41.63N-0.03-4.1, 6.4E-0.02, h18km, 6km, n66, e096/97, 2C, Turkey-Georgia-Armenia border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like BCCA, BCBA, BCCA, etc.

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Main table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like CHOM, SENK, AKH, etc.

IDC 07:00:51:01.8-0.9, 19.45N-66.35W, h0km, mb3.3/7, mb1 3.7/7, mb1mx3.4/49, mbtmp3.4/7, MS2.9/3, Ms1 2.9/3, ms1mx2.4/29, Error ellipse: s-maj=27.4km s-min=17.8km az=56.0

NEIC 07:00:51:07.9-0.0, 19.38N-66.40W, h14km, MD3.4(RSPR), After RSPR RSPR 07:00:51:07.9, 19.38N-66.40W, h15km, 4km, MD3.4(ASPR) ISC 07:00:51:05.1-0.6, 19.37N-0.06-6.61W-0.03, h21km, 4km, n62, e083/74, mb3.4/6, 26C-17D, Puerto Rico region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like EMPR, AOPR, AGPR, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like ABVI, ABV, ANEG, etc.

IDC 07:01:09:07.8-1.1, 29.42S-176.11W, h0km, mb4.4/4, mb1 4.5/4, mb1mx3.9/40, mbtmp4.4/4, MS3.4/3, Ms1 3.3/3, ms1mx2.7/40, Error ellipse: s-maj=56.2km s-min=25.8km az=178.0

ISCJB 07:01:09:12.2-2.0, 29.82S-0.09-176.4W-0.2, h28km, mb4.4/4, MS3.4/2, Error ellipse: s-maj=22.3km s-min=11.6km az=165.1

ISC 07:01:09:12.6-1.1, 29.65S-0.1x176.3W-0.1, h28km, n14, e1913/13, mb3.4/3, Kermadec Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like RAO, RAO, URZ, etc.

CSEM 07:01:11:31.8-0.2, 39.58N-26.02E, h10km, ML1.0, Error ellipse: s-maj=2.0km s-min=0.6km az=66.0

ATH 07:01:11:31.4, 39.59N-26.06E, h16km, 6km, ML1.0/6, Error ellipse: s-maj=6.7km s-min=0.8km az=196.0, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like PRK, PRK, SGR, etc.

NIED 07:01:29:00.29, 10N-130.20E, h35km, Mw4.1 Best double couple: M1.76000-1015 NP1.296.00000, 816.00000, lambda-173.00000, NP2.200.00000, 888.00000, lambda-74.00000

ISCJB 07:01:29:33.0-0.5, 29.09N-0.03-130.31E-0.07, h54km, 4km, mb3.9/16, MS3.3/6, Error ellipse: s-maj=10.5km s-min=3.3km az=23.7

JMA 07:01:29:33.0-1.2, 12N-130.23E, h2km, 3km, M3.6 IDC 07:01:29:34.9-1.3, 29.16N-130.16E, h4km, 11km, mb3.7/16, mb1 3.8/19, mb1mx3.6/68, mbtmp3.9/19, ML3.2/3, MS3.1/10, Ms1 3.1/10, ms1mx2.8/58, Error ellipse: s-maj=19.8km s-min=8.0km az=106.0

ISC 07:01:29:33.8-1.1, 29.07N-0.04-130.35E-0.06, h4km, 11km, n57, e083/68, mb4.0/16, MS3.4/6, Ryukyu Islands

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like EOS1, TWC, TWC, TWE, etc.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Brojen, Zangian, Metriz, Gharneh, etc.

IDC 07 02:15:20.7z 1.2, 17.92S:73.49W, h0km, mb3.6/3, mb1 3.8/6, mb1mx3.5/39, mbtmp3.7/6, ML3.5/3, MS3.2/5, Ms1 3.2/5, ms1mx2.8/37, Error ellipse: s-maj=36.7km s-min=28.7km az=49.0

ISCJB 07 02:15:24.1z 1.2, 17.85S:73.74W:0.1, h33km, mb3.6/3, Error ellipse: s-maj=25km s-min=15.4km az=25.0

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

ATH 07 02:30:59.0, 40.85N:19.67E, h16km, 4km, ML1 8/6, Error ellipse: s-maj=4.7km s-min=1.2km az=176.0

TIR 07 02:31:00.4, 40.43N:19.64E, h1km, Md2 8/7

CSEM 07 02:31:01.6, 0.8, 40.77N:19.70E, h18km, 5km, ML2 8, Error ellipse: s-maj=10.3km s-min=7.8km az=115.0

ISC 07 02:31:01.6z 1.2, 40.72N:0.02z:19.71E:0.03, h10km, 10km, n26, c1527/14, Albania

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

Table with columns: KPRO, Kipourio, 1.48 121 P, Pn, AML, 02 31 28.4 +0.2, 02 31 59.6

IDC 07 02:34:30.8z 3.8, 52.89N:161.68W, h0km, mb3.7/4, mb1 3.7/6, mb1mx3.4/91, mbtmp3.6/6, ML3.1/2, Error ellipse: s-maj=93.0km s-min=27.0km az=157.0

ISCJB 07 02:34:34.0z 2.1, 53.04N:0.08z:161.96W:0.06, h27km, 18km, mb3.5/5, Error ellipse: s-maj=13.0km s-min=6.3km az=173.6

NEIC 07 02:34:35.0z 0.0, 53.12N:162.01W, h27km, ML3.3(AEIC), After AEIC

ISC 07 02:34:36.0z 3.7, 53.03N:0.09z:161.99W:0.04, h20km, 29km, n24, c1514/14, mb3.5, South of Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Westad Peak, Akutan Strait, Sand Point, etc.

IDC 07 02:36:43.6z 8.4, 17.31S:167.47E, h75km, 73km, mb3.8/3, mb1 4.1/4, mb1mx3.5/50, mbtmp4.3/4, ML4.5/1, MS3.0/6, Ms1 3.0/6, ms1mx2.7/42, Error ellipse: s-maj=59.6km s-min=37.4km az=18.0

ISC 07 02:36:47.1z 1.6, 17.15S:0.1z:167.5E:0.3, h19km, n13, c1527/9, MS3.3/4, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Mont Dzumac, Honiara, Charters Tower, etc.

ISCJB 07 02:47:54.1z 0.6, 22.13S:0.04z:68.39W:0.08, h119km, 7km, mb3.7/5, Error ellipse: s-maj=12.7km s-min=6.2km az=9.4

IDC 07 02:47:54.8z 2.6, 22.04S:68.32W, h105km, 23km, mb3.5/5, mb1 3.6/9, mb1mx3.3/45, mbtmp3.8/9, Error ellipse: s-maj=27.9km s-min=17.5km az=86.0

GUC 07 02:47:55.4z 0.5, 22.11S:68.55W, h119km, 4km, ML3.8

ISC 07 02:47:55.1z 0.8, 22.11S:0.05z:68.39W:0.08, h112km, 8km, n22, c081/32, mb3.9, 8C-1D, Northern Chile

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

Table with columns: CPUP, Villa Florida, 10.93 115 P, Pn, 02 50 27.7 -0.6

ISCJB 07 02:50:55.0z 1.0, 0.22N:0.05z:16.7W:0.1, h10km, mb3.7/4, MS3.0/5, Error ellipse: s-maj=20.3km s-min=6.8km az=10.4

IDC 07 02:50:56.9z 2.0:0.36N:16.78W, h0km, mb3.7/4, mb1 4.0/7, mb1mx3.5/4, mbtmp3.9/7, ML4.2/3, MS3.1/7, Ms1 3.1/7, ms1mx2.7/54, Error ellipse: s-maj=55.9km s-min=41.2km az=111.0

ISC 07 02:50:57.6z 1.2, 0.20N:0.09z:16.8W:0.2, h10km, n21, c082/17, mb3.8/4, MS3.0/5, North of Ascension Island

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

NNC 07 03:01:31.1z 4.8, 44.52N:83.66E, h0km, mb2.5, mpv2.2, Error ellipse: s-maj=47.5km s-min=18.6km az=124.0

SOME 07 03:01:30.2z 2.9, 42.15N:83.72E, h0km, n8, c314/12, 6C, Northern Xinjiang

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

ISCJB 07 03:02:24.0z 0.3, 20.03S:0.03z:69.31W:0.06, h99km, 2km, mb4.1/19, Error ellipse: s-maj=9.2km s-min=4.2km

GUC 07 03:02:24.9z 0.6, 20.02S:69.33W, h86km, 3km, ML4.7

IDC 07 03:02:25.2z 0.6, 19.91S:69.14W, h93km, 5km, mb3.9/12, mb1 4.1/4, mb1mx3.8/44, mbtmp3.4/14, MS3.2/5, Ms1 3.2/5, ms1mx2.7/40, Error ellipse: s-maj=17.7km s-min=14.2km az=82.0

NEIC 07 03:02:25.0z 0.0, 20.03S:69.35W, h86km, mb4.2/12, After GUC

NEIC Felt [III] at Huarua and Pozo Almonte and [II] at Alto Hospicio, Cuya, Iquique, La Tirana and Pica

SCB 07 03:02:26.9z 0.6, 19.79S:68.89W, h110km, MI3.7/1, Error ellipse: s-maj=20.3km s-min=5.4km az=61.0

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Pisagua, Minye Minye, IPOC Station P, Borongan, Palo, Virac, Roxas, Pagadian, Davao City (W), Warrungarra Arr, Alice Springs, Makanchi Array, Kurbatov Arra, Boronay Arra, Keskin Arra B, Fines Finess Array B, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Barichara, Barranca, Pamplona, La Rusia, Puerto Berrío, Raoul Island, Kakarama, Black Stump Fm, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Kurchatov, Seymchan, Boronay Arra, Akbulak array, Aktyubinsk, Kodiak Island, Yelovnik Ar, Lajitas Array, Torodi Arr, etc.

IDC 07 03:02:20.5:2.1, 11:57N:125:15E, h0km, mb3.7/7, mb1 3.7/7, mb1mx3.4/6.2, mbtmp3.7/7, MS2.9/1, Ms1 2.9/1, ms1mx2.2/5.7, Error ellipse: s-maj=198.5km s-min=19.2km az=66.0, ISCJB 07 03:02:23.3:0.8, 11:85N:0:08:125:81E:0.1, h40km, mb3.7/7, Error ellipse: s-maj=14.5km s-min=10.6km

MOS 07 03:27:20.1:1.2, 25:30S:179:72E, h480km, mb4.6/3.2, Error ellipse: s-maj=9.7km s-min=9.1km az=132.3, ISCJB 07 03:27:20.7:0.4, 25:46S:0:02:179:69E:0.3, h491km, 4km, mb4.5/12S, Error ellipse: s-maj=4.4km s-min=3.2km az=25.6, BUJ 07 03:27:21.4, 25:50S:179:70E, h500km, mb4.8/2.7, IDC 07 03:27:21.2:0.2, 25:33S:179:76E, h488km, 4km, mb4.1/3.0, mb1 4.2/3, mb1mx1.4/7, mbtmp5.0/33, Error ellipse: s-maj=8.0km s-min=7.2km az=28.0, NEIC 07 03:27:21.5:0.5, 25:45S:179:71E, h492km, 6km, mb4.6/7.8, Error ellipse: s-maj=5.3km s-min=4.7km az=158.0, WEL 07 03:27:21.0:0.8, 26:5:9:17 9W:2 8, h587km, 12km, ISC 07 03:27:21.3:0.3, 25:39S:0:04:179:80E:0.05, h495km, 3km, h496km:pp-P, n476, c1859/542, mb4.5/12S, 32C-20D,

South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Raoul Island, Raou Island, Green Lake, Nonsavu, Omahuta, Matakaoa Point, Mont Dumaz, etc.

Table listing radio stations and frequencies for the 7d 3h region. Columns include call letters, station name, frequency, power, and other technical details.

Table listing radio stations and frequencies for the QSPA region. Columns include call letters, station name, frequency, power, and other technical details.

Table listing radio stations and frequencies for the GSC region. Columns include call letters, station name, frequency, power, and other technical details.



GRG	Griva	2.11	83	P	Pn	03 44 26.7	0.0
SG1	Sgolgore (BA)	2.25	274	ePn	Pb	03 44 32.7	+1.1
FSK	Fiskardo	2.38	162	P	Pb	03 44 30.6	+0.2
KNT	Kendrikon	2.51	79	P	Pn	03 44 31.9	-0.3
KNT	Kendrikon	2.51	79	P	Pn	03 44 31.9	-0.3
SJES	Sjenica	2.54	6	ePn	Pn	03 44 33.6	+0.9
SJES	Sjenica	2.54	6	ePn	Pn	03 45 02.8	-1.6
SJES	Sjenica	2.54	6	ePn	Pn	03 44 33.6	+0.9
SJES	Sjenica	2.54	6	ePn	Pn	03 45 02.8	-1.6
STON	Ston	2.58	327	ePn	Pn	03 44 30.3	-2.8
STON	Ston	2.58	327	ePn	Pn	03 45 01.9	-3.3
BARS	Barje	2.65	37	ePn	Pn	03 44 34.5	+2.4
BARS	Barje	2.65	37	ePn	Pn	03 45 07.2	+0.3
SELS	Selova	2.72	24	ePn	Pn	03 44 35.2	+0.1
SELS	Selova	2.72	24	ePn	Pn	03 45 07.3	-1.5
IVAS	Ivanjica	2.87	8	ePn	Pn	03 44 37.3	+0.1
IVAS	Ivanjica	2.87	8	ePn	Pn	03 45 12.7	+0.3
IVAS	Ivanjica	2.87	8	ePn	Pn	03 44 37.3	+0.1
IVAS	Ivanjica	2.87	8	ePn	Pn	03 45 12.7	+0.3
BBLs	Lazi#263;i	3.14	357	ePn	Pn	03 44 43.1	+2.2
BBLs	Lazi#263;i	3.14	357	ePn	Pn	03 45 19.1	0.0
VTS	Vitosh	3.26	54	ePn	Pn	03 44 42.4	-0.2
VTS	Vitosh	3.26	54	ePn	Pn	03 44 42.4	-0.2
VTS	Vitosh	3.26	54	ePn	Pn	03 44 42.4	-0.2
DIVS	Divibare	3.38	4	ePn	Pn	03 44 45.4	+1.2
DIVS	Divibare	3.38	4	ePn	Pn	03 45 23.4	-1.6
DIVS	Divibare	3.38	4	ePn	Pn	03 44 45.4	+1.2
ZAPS	Zavoj	3.39	40	ePn	Pn	03 44 44.5	+0.3
ZAPS	Zavoj	3.39	40	ePn	Pn	03 45 24.2	-0.9
ZAPS	Zavoj	3.39	40	ePn	Pn	03 44 44.5	+0.3
ZAPS	Zavoj	3.39	40	ePn	Pn	03 45 24.2	-0.9
NVLJ	Novalja	5.20	319	ePn	Pn	03 44 56.5	+2.5
NVLJ	Novalja	5.20	319	ePn	Pn	03 46 06.0	-3.6

KRSC 07 04:00:30.1±2.0,54°.90N±1.65,71E, h41km±15km, ML4.8, FELT [III-IV] at Nikolskoe.

IDC 07 04:00:31.0±0.5,55°.14N±1.65,71E, h0km, mb4.2/26, mb1.4, 3/29, mb1mx2.7/3, mbmp4.2/29, ML4.3/2, MS3.1/10, Ms1.3, 1/10, ms1mx2.8/77, Error ellipse: s-maj=16.3km s-min=9.8km az=164.0.

BUI 07 04:00:32.7,54.97N±1.66,03E, h33km, mb4.6/17, mb4.7/12, Ms4.3/2, Ms7.4/4.

ISCBJ 07 04:00:32.7±0.6,54°.94N±0.02,165°68E±0.02, h30km±4km, mb4.4/18, MS3.4/12 Error ellipse: s-maj=4.1km s-min=1.8km az=173.7.

MOS 07 04:00:33.6±0.9,54°.98N±1.65,67E, h33km, mb4.6/38, Error ellipse: s-maj=5.6km s-min=5.1km az=52.2.

NEIC 07 04:00:34.4±1.4,55°.05N±1.65,69E, h22km±10km, mb4.5/80, Error ellipse: s-maj=6.5km s-min=3.3km az=165.0.

ISC 07 04:00:34.0±1.1,54°.95N±0.04,165.78E±0.03, h25km±7km, h482, s1924/525, mb4.4/18, MS3.2/12, C2-5D.

Komandorsky Islands region

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
BKI	Bering	0.28	24	eP	Pb	04 00 38.9	-1.8
BKI	Bering	0.28	24	eP	Pb	04 00 43.2	-4.8
BKI	Bering	0.28	24	eP	Pb	04 00 38.9	-1.8
KBTR	Krutoberegovo	2.10	308	P	Pn	04 01 04.4	-3.2
KBTR	Krutoberegovo	2.10	308	P	Pn	04 01 29.1	-3.8
MKZ	Mys Kozlova	2.38	262	iP	Pn	04 01 09.9	-1.4
MKZ	Mys Kozlova	2.38	262	eP	Pn	04 01 37.1	-2.6
SMKR	Semkarok	2.93	306	eP	Pn	04 01 17.8	-1.3
SMKR	Semkarok	2.93	306	eP	Pn	04 01 52.2	-1.3
SMKR	Semkarok	2.93	306	eP	Pn	04 01 17.8	-1.3
ZLN	Zelenaya	3.02	293	eS	Pn	04 01 19.9	-0.5
ZLN	Zelenaya	3.02	293	eS	Pn	04 01 54.9	-0.9
ZLN	Zelenaya	3.02	293	eS	Pn	04 01 19.9	-0.5
ZLN	Zelenaya	3.02	293	eS	Pn	04 01 54.9	-0.9
BDR	Baidarnaya	3.05	304	eP	Pn	04 01 19.7	-1.0
BDR	Baidarnaya	3.05	304	eP	Pn	04 01 55.0	-1.4
BDR	Baidarnaya	3.05	304	eP	Pn	04 01 19.7	-1.0
BDR	Baidarnaya	3.05	304	eP	Pn	04 01 55.0	-1.4
BZGR	Bezymyanni-Gr	3.06	291	eP	Pn	04 01 20.6	-0.3
BZGR	Bezymyanni-Gr	3.06	291	eP	Pn	04 01 55.7	-1.0
BZGR	Bezymyanni-Gr	3.06	291	eP	Pn	04 01 20.6	-0.3
BZGR	Bezymyanni-Gr	3.06	291	eP	Pn	04 01 55.7	-1.0
CIRR	Tsirik	3.09	294	eP	Pn	04 01 20.3	-1.0
CIRR	Tsirik	3.09	294	eP	Pn	04 01 20.3	-1.0
TUMD	Tumrok D	3.10	277	eP	Pn	04 01 20.4	-1.0
TUMD	Tumrok D	3.10	277	eP	Pn	04 01 56.3	-1.3
LGNR	Loginova	3.11	294	eP	Pn	04 01 21.3	-0.4
LGNR	Loginova	3.11	294	eP	Pn	04 01 57.7	-0.4
LGNR	Loginova	3.11	294	eP	Pn	04 01 21.3	-0.4
LGNR	Loginova	3.11	294	eP	Pn	04 01 57.7	-0.4
SRKR	Sorokina	3.11	305	eP	Pn	04 01 55.7	-2.2
SRKR	Sorokina	3.11	305	eP	Pn	04 01 20.1	-1.4
SRKR	Sorokina	3.11	305	eP	Pn	04 01 55.7	-2.2
SRKR	Sorokina	3.11	305	eP	Pn	04 01 20.1	-1.4
KZV	Kizimen	3.16	275	eP	Pn	04 01 21.3	-1.0
KZV	Kizimen	3.16	275	eP	Pn	04 01 21.3	-1.0
BZMR	Bezymyannaya	3.17	290	eP	Pn	04 01 21.8	-0.6
BZMR	Bezymyannaya	3.17	290	eP	Pn	04 01 58.3	-1.1
BZMR	Bezymyannaya	3.17	290	eP	Pn	04 01 21.8	-0.6
BZMR	Bezymyannaya	3.17	290	eP	Pn	04 01 58.3	-1.1
BZWR	Bezymyanni-We	3.17	291	eP	Pn	04 01 22.0	-0.5
BZWR	Bezymyanni-We	3.17	291	eP	Pn	04 01 59.1	-0.5
BZWR	Bezymyanni-We	3.17	291	eP	Pn	04 01 22.0	-0.5
BZWR	Bezymyanni-We	3.17	291	eP	Pn	04 01 59.1	-0.5
KLY	Klyuchi	3.21	297	eS	Pn	04 01 20.7	-2.1
KLY	Klyuchi	3.21	297	eS	Pn	04 01 56.8	-3.4
KLY	Klyuchi	3.21	297	eS	Pn	04 01 20.7	-2.1
KLY	Klyuchi	3.21	297	eS	Pn	04 01 56.8	-3.4
KRSR	Krestovskiy	3.22	295	eP	Pn	04 01 22.1	-0.9
KRSR	Krestovskiy	3.22	295	eP	Pn	04 01 58.9	-1.7
KRSR	Krestovskiy	3.22	295	eP	Pn	04 01 22.1	-0.9
KRSR	Krestovskiy	3.22	295	eP	Pn	04 01 58.9	-1.7
TUMR	Tumrok	3.25	278	eP	Pn	04 01 23.0	-0.5
TUMR	Tumrok	3.25	278	eP	Pn	04 02 00.8	-0.6
TUMR	Tumrok	3.25	278	eP	Pn	04 01 23.0	-0.5
TUMR	Tumrok	3.25	278	eP	Pn	04 02 00.8	-0.6
KIRR	Kirishev	3.25	290	eP	Pn	04 01 23.4	-0.2
KIRR	Kirishev	3.25	290	eP	Pn	04 02 01.0	-0.5
KIRR	Kirishev	3.25	290	eP	Pn	04 01 23.4	-0.2
KIRR	Kirishev	3.25	290	eP	Pn	04 02 01.0	-0.5
KMINR	Kamenistaya	3.26	287	iP	Pn	04 01 23.9	+0.2
KMINR	Kamenistaya	3.26	287	eP	Pn	04 02 01.9	+0.2
KMINR	Kamenistaya	3.26	287	eP	Pn	04 01 23.9	+0.2
KMINR	Kamenistaya	3.26	287	eP	Pn	04 02 01.9	+0.2
KPT	Kopyto	3.32	290	eP	Pn	04 01 23.2	-1.2
KPT	Kopyto	3.32	290	eP	Pn	04 02 00.4	-2.7
KPT	Kopyto	3.32	290	eP	Pn	04 01 23.2	-1.2
KPT	Kopyto	3.32	290	eP	Pn	04 02 00.4	-2.7
KOZ	Kozyrevsk	3.54	291	eP	Pn	04 01 27.8	+0.5
KOZ	Kozyrevsk	3.54	291	eP	Pn	04 02 08.9	+0.6
KOZ	Kozyrevsk	3.54	291	eP	Pn	04 01 27.8	+0.5
KOZ	Kozyrevsk	3.54	291	eP	Pn	04 02 08.9	+0.6
KOZ	Kozyrevsk	3.54	291	eP	Pn	04 02 08.9	+0.6
KOZ	Kozyrevsk	3.54	291	eP	Pn	04 02 08.9	+0.6
KOZ	Kozyrevsk	3.54	291	eP	Pn	04 02 08.9	+0.6
KOZ	Kozyrevsk	3.54	291	eP	Pn	04 02 08.9	+0.6
KAR	Karymskiy	3.80	259	eP	Pn	04 01 30.7	-0.3
KAR	Karymskiy	3.80	259	eP	Pn	04 01 30.7	-0.3
KAR	Karymskiy	3.80	259	eP	Pn	04 01 30.7	-0.3
KAR	Karymskiy	3.80	259	eP	Pn	04 01 30.7	-0.3
SPN	Mys Shipunski	3.87	244	eP	Pn	04 01 30.1	-1.7
SPN	Mys Shipunski	3.87	244	eP	Pn	04 02 11.1	-5.3
SPN	Mys Shipunski	3.87	244	eP	Pn	04 01 30.1	-1.7
SPN	Mys Shipunski	3.87	244	eP	Pn	04 02 11.1	-5.3
ESN	Esso	4.15	287	eP	Pn	04 01 35.3	-0.4
ESN	Esso	4.15	287	eP	Pn	04 01 35.3	-0.4
ESN	Esso	4.15	287	eP	Pn	04 01 35.3	-0.4
ESN	Esso	4.15	287	eP	Pn	04 01 35.3	-0.4
NLC	Nalytchevo	4.19	247	eP	Pn	04 01 34.9	-1.3
NLC	Nalytchevo	4.19	247	eP	Pn	04 01 38.5	-0.6
NLC	Nalytchevo	4.19	247	eP	Pn	04 01 34.9	-1.3
NLC	Nalytchevo	4.19	247	eP	Pn	04 01 38.5	-0.6
SDLR	Sedlovina	4.39	250	iP	Pn	04 02 27.5	-1.9
SDLR	Sedlovina	4.39	250	iP	Pn	04 01 38.5	-0.6
SDLR	Sedlovina	4.39	250	iP	Pn	04 02 27.5	-1.9
SDLR	Sedlovina	4.39	250	iP	Pn	04 01 38.5	-0.6
SMAR	Somma	4.44	250	eP	Pn	04 02 28.3	-2.5
SMAR	Somma	4.44	250	eP	Pn	04 01 39.2	-0.7
SMAR	Somma	4.44	250	eP	Pn	04 02 28.3	-2.5
SMAR	Somma	4.44	250	eP	Pn	04 01 39.2	-0.7
KRER	Koryakskii	4.45	251	iP	Pn	04 01 39.8	-0.2
KRER	Koryakskii	4.45	251	iP	Pn	04 01 39.8	-0.2
KRER	Koryakskii	4.45	251	iP	Pn	04 01 39.8	-0.2
KRER	Koryakskii	4.45	251	iP	Pn	04 01 39.8	-0.2
UGLR	Uglovaya	4.45	250	eP	Pn	04 01 39.7	-0.2
UGLR	Uglovaya	4.45	250	eP	Pn	04 02 29.4	-1.5
UGLR	Uglovaya	4.45	250	eP	Pn	04 01 39.7	-0.2
UGLR	Uglovaya	4.45	250	eP	Pn	04 02 29.4	-1.5
AVH	Avacha	4.47	251	eP	Pn	04 01 40.0	-0.2
AVH	Avacha	4.47	251	eP	Pn	04 02 30.2	-1.2
AVH	Avacha	4.47	251	eP	Pn	04 01 40.0	-0.2
AVH	Avacha	4.47	251	eP	Pn	04 02 30.2	-1.2

KRX	Arik	4.48	252	iP	Pn	04 01 40.6	+0.2
KRX	Arik	4.48	252	iP	Pn	04 02 28.5	-3.3
KRX	Arik	4.48	252	iP	Pn	04 01 40.6	+0.2
KRX	Arik	4.48	252	iP	Pn	04 02 28.5	-3.3
KOK	Koryaka	4.52	251	eP	Pn	04 01 40.7	-0.2
KOK	Koryaka	4.52	251	eP	Pn	04 02 28.8	-3.8
KOK	Koryaka	4.52	251	eP	Pn	04 01 40.7	-0.2
KOK	Koryaka	4.52	251	eP	Pn	04 02 28.8	-3.8
OSSR	Ossora	4.56	342	eP	Pn	04 01 40.4	-0.5
OSSR	Ossora	4.56	342	eP	Pn	04 02 30.9	-2.9
OSSR	Ossora	4.56	342	eP	Pn	04 01 40.4	-0.5
OSSR							









7d 4h

2012 MAY

Table with columns: Country, City, Date, Time, and various numerical values. Includes entries for MT Berech, ISR Istitra, OBN Obninsk, etc.

Table with columns: Country, City, Date, Time, and various numerical values. Includes entries for KK31, KAR Karatay Array, BMR Baia Mare, etc.

Table with columns: Country, City, Date, Time, and various numerical values. Includes entries for UZH, BZS Buzias, SIRR Siria, etc.





<b>EDU</b>	<b>Dundee</b>	35.07 313	eP	P	04 47 19.5 -0.7
<b>EKA</b>	<b>Eskdalemuir Ar</b>	35.09 310	P	P	04 47 20.0 -0.4
	comp-Z,64nm,0.9s,baz=100,slow=9.7,SNR=102				
<b>EKA</b>					04 49 52.6 +1.0
<b>EKA</b>					05 05 06.4
<b>FOEL</b>					04 47 19.1 -1.4
<b>FOEL</b>					04 47 25.5
<b>FOEL</b>					05 05 24.3
<b>ESK</b>		35.12 310	eP	P	04 47 19.8 -0.8
<b>ESK</b>					04 47 19.8 -0.8
<b>ESK</b>					04 47 19.9 -0.7
<b>ESK</b>					04 47 20.8 +0.1
<b>ESK</b>					04 47 27.1
<b>BHH</b>					04 47 19.9 -0.7
<b>EDI</b>					04 47 20.8 +0.1
<b>EDI</b>					04 47 27.1
<b>EDI</b>					05 05 55.9
<b>EBNR</b>					04 47 23.4 +1.2
<b>EBNR</b>					04 47 23.4 +1.2
<b>MCD</b>					04 47 21.4 -0.6
<b>LLW</b>					04 47 23.2 +0.3
<b>LPW</b>					04 47 25.5 +0.1
<b>LPW</b>					04 47 26.8
<b>LPW</b>					05 05 20.3
<b>BIGH</b>		35.72 316	eP	P	04 47 24.9 -0.8
<b>BIGH</b>					04 47 26.5
<b>BIGH</b>					05 06 20.8
<b>EANR</b>					04 47 26.2 +0.1
<b>EANR</b>					04 47 26.2 +0.1
<b>RPR</b>					04 47 26.2 +0.5
<b>KNGR</b>					04 47 27.6 +1.5
<b>EAB</b>					04 47 25.4 -0.9
<b>ETRT</b>					04 47 28.4 +1.6
<b>WLF1</b>					04 47 25.9 -0.7
<b>WLF1</b>					05 08 44.9
<b>PGBU</b>		35.86 311	eP	P	04 47 26.5 -0.5
<b>PGBU</b>					04 47 28.8
<b>PGBU</b>					05 08 10.7
<b>MDO</b>		35.87 314	eP	P	04 47 26.0 -1.0
<b>HYBB</b>					04 47 31.4 +0.2
<b>HYB</b>					04 47 32.0 +0.8
<b>HYB</b>					04 48 56.0 +2.1
<b>HYB</b>					04 53 12.0 +0.6
<b>HYB</b>					04 57 50.0 +2.3
<b>HYB</b>					04 47 30.5 -0.7
<b>HYB</b>					04 47 36.6
<b>KAC</b>					04 47 30.5 -0.8
<b>KPL</b>					04 47 32.0 -0.8
<b>KPL</b>					04 47 34.3
<b>CART</b>		36.67 280	eP	P	04 47 34.2 +0.1
<b>CART</b>					04 47 35.5 +1.4
<b>CART</b>					04 53 14.7 -1.8
<b>CLGH</b>					04 47 34.8 -0.1
<b>CLGH</b>					04 47 36.4
<b>CLGH</b>					05 06 29.6
<b>ODJA</b>		36.91 276	P	P	04 47 39.0 +2.8
<b>ODJA</b>					04 47 39.0 +2.8
<b>GTK</b>					04 47 35.6 -1.1
<b>GTK</b>					04 47 44.2
<b>BOK</b>		37.01 106	eP	P	04 47 36.4 -0.7
<b>BOK</b>					04 47 43.3
<b>DSB</b>		37.01 307	eP	P	04 47 36.7 -0.1
<b>DSB</b>					04 47 40.3 0.0
<b>URV</b>					04 47 40.6 -0.1
<b>NJS</b>					04 47 41.5 0.0
<b>SRLM</b>					04 47 43.6 +1.1
<b>LSA</b>					04 53 32.3 +0.8
<b>LSA</b>					04 47 39.0 +2.8
<b>LSA</b>					04 47 35.6 -1.1
<b>LSA</b>					04 47 44.2
<b>LSA</b>					04 47 36.4 -0.7
<b>LSA</b>					04 47 43.3
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<b>LSA</b>					04 47 40.3 0.0
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<b>LSA</b>					04 47 41.5 0.0
<b>LSA</b>					04 47 43.6 +1.1
<b>LSA</b>					04 53 32.3 +0.8
<b>LSA</b>					04 47 39.0 +2.8
<b>LSA</b>					04 47 35.6 -1.1
<b>LSA</b>					04 47 44.2
<b>LSA</b>					04 47 36.4 -0.7
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<b>LSA</b>					04 47 40.3 0.0
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<b>LSA</b>					04 47 41.5 0.0
<b>LSA</b>					04 47 43.6 +1.1
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<b>LSA</b>					04 47 41.5 0.0
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<b>LSA</b>					







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<b>7d 4h</b>		LR	LR		
CBU	comp=Z,2um,19.0s				
SCM	Sheep Creek Mo comp=Z,113nm,0.8s	76.36	7 eP	P	04 52 16.6 +0.4
SCM	comp=Z,3um,21.0s		LR	LR	
SCM	Sheep Creek Mo	76.36	7 eP	P	04 52 16.6 +0.4
SCM	comp=Z,113nm,0.8s		pmax	pmax	
SCM	comp=Z,3um,21.0s		MLR	MLR	
SUA	Susitna One comp=Z,203nm,0.9s	76.38	9 eP	P	04 52 16.8 +0.4
SUA	comp=Z,4um,21.0s		LR	LR	
PKME	Peaks-Kenny Pk baz=44, SNR=6.9	76.43	319 P	P	04 52 17.2 +0.4
PKME	Peaks-Kenny Pk comp=Z,42nm,0.9s	76.43	319 eP	P	04 52 17.9 +1.1
PKME	comp=Z,4um,21.0s		LR	LR	
NGJ	Ngawi	76.45	113 P	P	04 52 18.4 +1.1
SPU	Mount Spurr	76.51	9 eP	P	04 52 18.6 -0.4
KLU	Klutini comp=Z,141nm,0.9s	76.82	6 eP	P	04 52 18.8 -0.1
KLU	comp=Z,4um,21.0s		LR	LR	
RC01	Rabbit Creek comp=Z,79nm,1.1s	76.86	8 eP	P	04 52 18.7 -0.2
RC01	comp=Z,4um,21.0s		LR	LR	
KBKI	Kotabaru comp=Z,79nm,1.1s	76.94	106 P	P	04 52 20.8 +0.7
DAV	Davao City (W) comp=Z,11um,19.8s,baz=339,slow=39	76.98	92 LR	LR	05 30 47.7
WVL	Waterville comp=Z,24nm,0.9s	77.11	319 eP	P	04 52 21.2 +0.5
RSO	Redoubt South	77.12	10 eP	P	04 52 21.0 +0.3
PWJ	Pawgerwo	77.16	113 P	P	04 52 22.9 +1.6
MPSI	Mapaga	77.19	101 P	P	04 52 22.3 +0.8
DIV	Divide comp=Z,111nm,0.8s	77.19	6 eP	P	04 52 21.7 +0.8
DIV	comp=Z,4um,22.0s		LR	LR	
SUR	Sutherland	77.33	202 PFAKE	LR	04 52 30.0 +7.9
SUR	comp=Z,7um,19.0s		LR	LR	
BMRM	Bremner River comp=Z,64nm,1.1s	77.44	6 eP	P	04 52 23.0 +0.7
BMRM	comp=Z,3um,21.0s		LR	LR	
BALM	Baldy comp=Z,70nm,1.0s	77.53	5 eP	P	04 52 22.7 -0.1
BALM	comp=Z,2um,19.0s		LR	LR	
BALM	Baldy	77.53	5 eP	P	04 52 22.7 -0.1
BALM	comp=Z,70nm,1.0s		pmax	pmax	
BALM	comp=Z,70nm,1.0s		MLR	MLR	
CRQM	Cirque comp=Z,2um,19.0s	77.75	5 eP	P	04 52 25.0 +0.8
EYAK	Eyake comp=Z,153nm,1.1s	77.77	6 eP	P	04 52 23.8 -0.2
EYAK	Cordova Ski Ar comp=Z,110nm,1.1s	77.77	6 eP	P	04 52 23.8 -0.2
EYAK	comp=Z,4um,20.0s		LR	LR	
TGL	Tana Glacier comp=Z,104nm,1.2s	77.77	5 eP	P	04 52 24.4 +0.1
TGL	comp=Z,3um,20.0s		LR	LR	
SEW	Seward comp=Z,121nm,1.0s	77.86	8 eP	P	04 52 25.2 +0.7
SEW	comp=Z,5um,20.0s		LR	LR	
HYT	Haines Junctio	77.95	2 PFAKE	LR	04 52 40.0 +1.5
HYT	comp=Z,3um,20.0s		LR	LR	
PCI	Palu	77.98	102 P	P	04 52 28.0 +2.0
RAGM	Ragged Mountai comp=Z,103nm,1.0s	78.01	6 eP	P	04 52 26.4 +0.9
RAGM	comp=Z,4um,20.0s		LR	LR	
BRLK	Bradley Lake comp=Z,113nm,0.8s	78.03	9 eP	P	04 52 25.5 0.0
BRLK	comp=Z,4um,21.0s		LR	LR	
HOM	Homer	78.04	9 PFAKE	LR	04 52 40.0 +1.4
HOM	comp=Z,5um,20.0s		LR	LR	
WHY	Whitehorse comp=Z,64nm,1.5s	78.16	1 eP	P	04 52 26.0 -0.4
WHY	comp=Z,3um,20.0s		LR	LR	
TRQ	Mont Tremblant	78.21	323 eP	P	04 52 27.4 +0.5
LBNH	Libson baz=42, SNR=9.1	78.46	320 eP	P	04 52 28.3 +0.1
LBNH	Libson comp=Z,46nm,0.9s	78.46	320 eP	P	04 52 28.5 +0.3
LBNH	Libson comp=Z,3um,18.0s	78.46	320 eP	P	04 52 28.5 +0.3
LBNH	Libson comp=Z,46nm,0.9s		pmax	pmax	
LBNH	comp=Z,3um,18.0s		MLR	MLR	
GMJ	Gumukmas	78.47	112 P	P	04 52 28.6 0.0
MRSI	Marisa	78.61	100 P	P	04 52 31.8 +2.2
ABJI	Asem Bagus	78.69	111 P	P	04 52 30.8 +1.0
VTI	Waterbury	78.79	320 eP	P	04 52 31.4 +1.4
FRNY	Flat Rock comp=Z,25nm,1.0s	78.81	321 eP	P	04 52 30.4 +0.3
FRNY	comp=Z,3um,18.0s		LR	LR	
ALFO	Alfred baz=40, SNR=26	78.81	322 P	P	04 52 30.7 +0.6
FFD	Franklin Falls comp=Z,40nm,1.0s	78.90	319 eP	P	04 52 31.3 +0.7
HNH	Hanover comp=Z,55nm,0.9s	79.03	320 eP	P	04 52 32.0 +0.7
JAGI	Jajag, Banyuwa comp=Z,48nm,1.0s	79.11	112 P	P	04 52 36.3 +4.2
JAGI	Jajag, Banyuwa comp=Z,38nm,0.9s	79.11	112 eP	P	04 52 30.8 -1.3
APSI	Ampana	79.32	101 P	P	04 52 32.0 -1.3
SKAG	Skagway	79.36	1 eP	P	04 52 33.4 +0.5
TTSI	Tana Toraja comp=Z,28nm,0.9s	79.41	104 P	P	04 52 33.2 -0.6
LONY	Lake Ozonia comp=Z,48nm,1.1s	79.44	322 P	P	04 52 34.0 +0.4
LONY	Lake Ozonia baz=41, SNR=24	79.44	322 eP	P	04 52 34.2 +0.6
LONY	comp=Z,68nm,0.9s		LR	LR	
BCX	Boston College comp=Z,2um,20.0s	79.50	318 eP	P	04 52 35.2 +1.3
WES	Weston comp=Z,29nm,0.9s	79.53	318 eP	P	04 52 34.3 +0.2
WES	Weston comp=Z,32nm,1.0s	79.53	318 eP	P	04 52 34.3 +0.2
WES	comp=Z,32nm,1.0s		pmax	pmax	
HRV	Adam Dzewiosk baz=42	79.56	319 P	P	04 52 34.0 -0.3
HRV	Adam Dzewiosk comp=Z,27nm,1.0s	79.56	319 eP	P	04 52 34.2 -0.1
HRV	comp=Z,2um,20.0s		LR	LR	
HRV	Adam Dzewiosk	79.56	319 eP	P	04 52 34.2 -0.1
HRV	comp=Z,27nm,1.0s		pmax	pmax	
HRV	comp=Z,2um,20.0s		MLR	MLR	
SRBI	Singaraja	79.58	111 P	P	04 52 36.2 +1.5
KDAK	Kodiak Island comp=Z,178nm,1.0s	79.74	10 eP	P	04 52 35.5 +0.6
KDAK	comp=Z,5um,21.0s		LR	LR	
KDAK	Kodiak Island	79.74	10 eP	P	04 52 35.5 +0.6
KDAK	comp=Z,178nm,1.0s		pmax	pmax	
KDAK	comp=Z,5um,21.0s		MLR	MLR	
NCB	Newcomb	79.76	321 eP	P	04 52 35.3 -0.1
NCB	comp=Z,2um,19.0s		LR	LR	

ACCN	Adirondack Com comp=Z,37nm,1.0s	79.94	320 eP	P	04 52 37.5 +1.2
ACCN	comp=Z,4um,19.0s		LR	LR	
BRYW	Bryant College comp=Z,41nm,1.0s	79.99	318 eP	P	04 52 36.5 -0.1
ATKA	Atka Island	80.12	24 PFAKE	LR	04 52 50.0 +1.3
ATKA	comp=Z,6um,19.0s		LR	LR	
QUAZ	Belchertown	80.12	319 eP	P	04 52 38.0 +0.7
OHAK	Old Harbor comp=Z,154nm,1.0s	80.18	11 eP	P	04 52 38.0 +0.6
OHAK	comp=Z,4um,21.0s		LR	LR	
LUWI	Luwuk	80.23	100 P	P	04 52 40.6 +2.3
CHGN	Chignik comp=Z,72nm,1.2s	80.24	14 eP	P	04 52 37.3 -0.4
CHGN	comp=Z,5um,20.0s		LR	LR	
BESE	Bessie Mountai comp=Z,63nm,1.2s	80.25	1 eP	P	04 52 37.0 -0.8
BESE	comp=Z,2um,20.0s		LR	LR	
PLVO	Plevna	80.25	323 PFAKE	LR	04 52 50.0 +1.2
PLVO	comp=Z,4um,19.0s		LR	LR	
DLBC	Dease Lake comp=Z,74nm,1.2s	80.37	358 eP	P	04 52 39.6 +1.2
DLBC	comp=Z,3um,20.0s		LR	LR	
FFC	Fin Flon comp=Z,109nm,1.0s	80.47	342 eP	P	04 52 39.1 +0.2
FFC	comp=Z,3um,20.0s		LR	LR	
FFC	Fin Flon	80.47	342 eP	P	04 52 39.1 +0.2
FFC	comp=Z,109nm,1.0s		pmax	pmax	
FFC	comp=Z,3um,20.0s		MLR	MLR	
BNSI	Bone	80.54	104 P	P	04 52 44.0 +4.1
FALS	False Pass	80.59	17 PFAKE	LR	04 52 50.0 +1.0
FALS	comp=Z,3um,21.0s		LR	LR	
BANO	Bancroft baz=39, SNR=26	80.65	324 P	P	04 52 40.8 +0.7
KAPI	Kappang	80.70	105 PFAKE	LR	04 52 50.0 +9.2
KAPI	comp=Z,500nm,20.0s		LR	LR	
KAPI	Kappang	80.70	105 P	P	04 52 40.6 -0.2
AKUT	Akutan	80.71	19 PFAKE	LR	04 52 50.0 +1.0
AKUT	comp=Z,9um,20.0s		LR	LR	
SDPT	Sand Point comp=Z,179nm,1.3s	80.75	15 eP	P	04 52 39.9 -0.5
SDPT	comp=Z,6um,19.0s		LR	LR	
BUKO	Buck Lake baz=38, SNR=34	80.96	325 P	P	04 52 42.5 +0.7
NIKH	Nikolski High	80.98	21 PFAKE	LR	04 52 50.0 +8.3
NIKH	comp=Z,5um,20.0s		LR	LR	
YLE	Yale	81.14	319 PFAKE	LR	04 52 50.0 +7.3
YLE	comp=Z,3um,19.0s		LR	LR	
SADO	Sadow comp=Z,52nm,1.1s	81.38	324 eP	P	04 52 44.2 +0.2
SADO	comp=Z,4um,21.0s		LR	LR	
PAL	Palisades baz=41	81.85	319 P	P	04 52 45.4 -1.1
PAL	Palisades comp=Z,51nm,1.4s	81.85	319 eP	P	04 52 46.0 -0.5
PAL	comp=Z,2um,20.0s		LR	LR	
PAL	Palisades	81.85	319 eP	P	04 52 46.0 -0.5
PAL	comp=Z,51nm,1.4s		pmax	pmax	
PAL	comp=Z,2um,20.0s		MLR	MLR	
PLAI	Plampang	81.91	109 P	P	04 52 51.2 +4.1
BINY	Binghamton comp=Z,78nm,1.2s,comp=Z,762nm	81.94	321 P	P	04 52 47.6 +0.5
BINY	Binghamton comp=Z,44nm,1.1s	81.94	321 eP	P	04 52 44.0 -3.1
BINY	comp=Z,3um,19.0s		LR	LR	
BSSI	Bau Bau, Buton comp=Z,78nm,1.2s,comp=Z,762nm	82.01	105 P	P	04 52 52.8 +5.1
ODNJ	Ogdensburg comp=Z,33nm,1.2s	82.14	319 eP	P	04 52 47.5 -0.6
ODNJ	comp=Z,2um,18.0s		LR	LR	
KSPA	Keystone Colle comp=Z,30nm,1.3s	82.33	320 eP	P	04 52 49.5 +0.4
KSPA	comp=Z,4um,18.0s		LR	LR	
BMRO	Meriville Lake baz=36, SNR=29	82.42	325 P	P	04 52 49.9 +0.4
BRNJ	Basking Ridge comp=Z,32nm,1.1s	82.42	319 eP	P	04 52 50.0 +0.5
BRNJ	comp=Z,2um,18.0s		LR	LR	
WRAK	Wrangell Islan	82.42	360 PFAKE	LR	04 53 00.0 +1.1
WRAK	comp=Z,3um,20.0s		LR	LR	
MMNY	Mt. Morris Dam comp=Z,85nm,1.1s	82.43	322 eP	P	04 52 50.4 +0.8
MMNY	comp=Z,3um,20.0s		LR	LR	
E45A	Wooded Hills, baz=34, SNR=31	82.60	329 P	P	04 52 51.0 +0.7
E44A	Grand Marais A comp=Z,34, SNR=22	82.67	329 P	P	04 52 51.8 +1.0
ACTO	Acton baz=37, SNR=15	82.71	324 P	P	04 52 51.5 +0.5
C40A	Isle Royale Na baz=32, SNR=13	82.77	332 P	P	04 52 51.5 +0.3
N59A	State Game Lan baz=40, SNR=7.2	82.83	320 P	P	04 52 52.0 +0.3
N59A	State Game Lan comp=Z,38nm,1.0s	82.83	320 eP	P	04 52 50.8 -0.9
N59A	comp=Z,3um,18.0s		LR	LR	
LUPA	Lehigh Unvers comp=Z,4.4nm,1.2s	82.88	319 eP	P	04 52 52.0 +0.1
LUPA	comp=Z,2um,18.0s		ePP	PP	04 55 56.8 -4.9
LUPA	comp=Z,2um,18.0s		LR	LR	
F46A	Macinaw City, baz=34, SNR=11	82.92	328 P	P	04 52 52.7 +0.7
ULM	Lac du Bonnet comp=Z,74nm,1.0s,baz=29,slow=4.9,SNR=48	82.92	337 P	P	04 52 52.1 +0.1
ULM	comp=Z,4um,18.1s,baz=32,slow=37		LR	LR	05 31 23.3
ULM	Lac du Bonnet	82.92	337 eP	P	04 52 51.3 -0.7
BASO	Ashtfield baz=36, SNR=27	83.08	325 P	P	04 52 54.0 +1.1
BBSR	BB Station	83.14	308 PFAKE	LR	04 53 10.0 +1.7
BBSR	comp=Z,7um,18.0s		LR	LR	
C39A	Grand Marais baz=31, SNR=6.8	83.20	332 P	P	04 52 53.3 -0.2
E43A	Lone Tree Farm baz=33, SNR=15	83.28	330 P	P	04 52 54.2 +0.3
D41A	Chassel baz=32, SNR=20	83.29	331 P	P	04 52 54.4 +0.5
SANI	Sanana	83.29	99 P	P	04 52 56.8 +2.4
F45A	CMU Biological baz=34	83.29	329 P	P	04 52 54.4 +0.5
F44A	Big Bay de Noc baz=33, SNR=15	83.40	329 P	P	04 52 55.1 +0.5
PSUB	Penn St. - Bra comp=Z,43nm,1.0s	83.43	319 eP	P	04 52 54.6 -0.1
PSUB	comp=Z,3um,19.0s		LR	LR	
EYMN	Ely baz=30, SNR=21	83.56	333 P	P	04 52 55.7 +0.3
EYMN	Ely comp=Z,65nm,0.9s	83.56	333 eP	P	04 52 54.8 -0.6
EYMN	comp=Z,6um,20.0s		LR	LR	
E42A	Champion baz=32, SNR=25	83.58	330 P	P	04 52 56.0 +0.5
WBSI	Waikabubak, Su	83.61	109 P	P	04 52 58.2 +2.1
GLMI	Grayling comp=Z,138nm,1.0s	83.64	328 eP	P	04 52 56.6 +0.8

GLMI	Grayling comp=Z,138nm,1.0s	83.64	328 eP	P	04 52 56.2 +0.4
GLMI	comp=Z,2um,19.0s		LR	LR	
C38A	Sawbill Land, baz=30, SNR=9.2	83.68	333 P	P	04 52 55.9 -0.1
F43A	Flat Rock, Esc baz=33, SNR=19	83.81	330 P	P	04 52 57.5 +0.9
MVL					



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D08A	Wollman Farm, comp=Z,97nm,1.1s	90.89 350	eP	P	04 53 32.0 +1.1
D08A			LR	LR	
LTY	comp=Z,3um,20.0s Liberty	90.90 351	eP	P	04 53 31.2 +0.2
LTY			LR	LR	
R44A	Waltonville comp=Z,3um,20.0s baz=31,SNR=9.4	90.98 327	P	P	04 53 30.4 -1.1
Q42A	Golden Eagle baz=30,SNR=9.3	91.00 328	P	P	04 53 30.8 -0.7
N36A	Muff Farm, Cia baz=28	91.00 332	P	P	04 53 31.3 -0.2
P40A	Paris baz=30,SNR=14	91.05 329	P	P	04 53 31.6 -0.2
Q38A	Galt baz=29	91.07 331	P	P	04 53 31.7 -0.2
LRM	Limekiln Ridge	91.08 346	eP	P	04 53 32.6 +0.5
D05A	Enumclaw comp=Z,62nm,1.2s	91.11 352	eP	P	04 53 33.1 +1.2
D05A			LR	LR	
RLMT	Red Lodge baz=18,SNR=128	91.11 343	P	P	04 53 33.1 +0.9
RLMT	Red Lodge comp=Z,110nm,1.0s	91.11 343	eP	P	04 53 33.4 +1.1
RLMT			LR	LR	
SLM	comp=Z,6um,19.0s Saint Louis	91.11 328	eP	P	04 53 33.2 +1.1
SLM			LR	LR	
SLM	comp=Z,2um,20.0s Saint Louis	91.11 328	eP	P	04 53 33.2 +1.1
SLM			pmax	pmax	
SLM	comp=Z,36nm,0.9s		MLR	MLR	
NHSC	New Hope baz=37	91.13 318	P	P	04 53 32.2 0.0
NHSC	New Hope	91.13 318	PFAKE	LR	04 53 40.0 +7.7
BOZ	comp=Z,4um,18.0s Bozeman (W) baz=16,SNR=46	91.14 345	P	P	04 53 33.0 +0.7
BOZ	Bozeman (W) comp=Z,27nm,0.9s	91.14 345	eP	P	04 53 33.0 +0.7
BOZ			LR	LR	
BOZ	comp=Z,3um,21.0s Bozeman (W)	91.14 345	eP	pmax	04 53 33.0 +0.7
BOZ			pmax	pmax	
BOZ	comp=Z,27nm,0.9s		MLR	MLR	
T47A	Sharon Grove baz=33	91.21 325	P	P	04 53 32.3 -0.3
Q41A	Truxton baz=30,SNR=26	91.23 329	P	P	04 53 32.6 0.0
BVW	Beverly Carrier Mills baz=32,SNR=6.0	91.25 351	eP	P	04 53 33.5 +0.9
S45A		91.25 326	P	P	04 53 32.5 -0.3
O37A	Wolfen Farm, M baz=28	91.28 331	P	P	04 53 32.6 -0.2
R43A	Red Bud baz=31,SNR=11	91.30 327	P	P	04 53 33.1 +0.1
E09A	Wood Farm, Sta comp=Z,108nm,1.0s	91.32 350	eP	P	04 53 33.9 +1.0
E09A			LR	LR	
P39B	Salisbury baz=29,SNR=12	91.36 330	P	P	04 53 33.3 +0.1
U48A	Cassie Pea, Po baz=33	91.36 324	P	P	04 53 32.6 -0.7
E08A	Dider Farm, El baz=Z,40nm,1.1s	91.46 350	eP	P	04 53 35.1 +1.5
E08A			ePP	PP	04 57 12.7 +2.4
E08A			LR	LR	
SIUC	Southern Illin comp=Z,48nm,1.1s	91.49 327	eP	P	04 53 34.6 +0.7
SIUC			LR	LR	
SIUC	comp=Z,1um,20.0s Sunnyside	91.50 351	PFAKE	LR	04 53 50.0 +1.6
E07A			LR	LR	
T46A	Princeton baz=32	91.50 325	P	P	04 53 33.2 -0.7
S44A	Cardonale baz=31,SNR=17	91.52 327	P	P	04 53 34.1 +0.1
LON	Longmire comp=Z,94nm,0.4s	91.52 352	eP	P	04 53 31.7 -2.2
LON			LR	LR	
LON	comp=Z,3um,19.0s Longmire	91.52 352	eP	MLR	04 53 31.7 -2.2
LON			MLR	MLR	
Q40A	Laux Farm, Aux baz=30,SNR=16	91.53 329	P	P	04 53 34.1 +0.1
P38A	Dawn baz=29	91.53 330	P	P	04 53 33.4 -0.6
DLMT	Dillon comp=Z,69nm,1.0s	91.55 346	eP	P	04 53 34.8 +0.6
DLMT			LR	LR	
BGNE	comp=Z,300nm,18.0s Belgrade baz=26,SNR=13	91.55 334	P	P	04 53 34.6 +0.5
BGNE	Belgrade comp=Z,137nm,1.1s	91.55 334	eP	P	04 53 35.3 +1.2
BGNE			LR	LR	
HAWA	comp=Z,4um,20.0s Hanford comp=Z,78nm,1.0s	91.62 351	eP	P	04 53 35.9 +1.6
HAWA			LR	LR	
ANWB	Willy Bob comp=Z,800nm,21.0s	91.64 295	PFAKE	LR	04 53 50.0 +1.5
ANWB			LR	LR	
R42A	Luebbering baz=30,SNR=9.4	91.64 328	P	P	04 53 34.5 -0.1
F10A	Beach Ranch, E comp=Z,52nm,0.9s	91.72 349	eP	P	04 53 35.5 +0.6
F10A			LR	LR	
F10A	comp=Z,3um,18.0s Clarksville baz=32	91.75 325	P	P	04 53 34.0 -1.1
Y47A	Holmes Hill comp=Z,43nm,1.0s	91.76 344	eP	P	04 53 36.6 +1.2
Y47A			LR	LR	
Y47A	comp=Z,2um,19.0s Marble Bar comp=Z,86nm,1.9s	91.81 117	eP	P	04 53 34.0 -1.4
Y47A			P	P	04 53 34.9 -0.5
Q39A	Willow Grove F baz=29,SNR=7.3	91.83 330	P	P	04 53 36.9 +1.3
QLMT	Earthquake Lak Paducah baz=32	91.84 326	P	P	04 53 34.8 -0.7
T45A	Rosebud baz=30,SNR=21	91.86 328	P	P	04 53 35.5 -0.1
R41A	Lathrop baz=28	91.86 331	P	P	04 53 33.8 -1.7
P37A	Horse Butte comp=Z,50nm,1.1s	91.87 344	eP	P	04 53 36.7 +1.0
Y47A			LR	LR	
Y47A	comp=Z,3um,19.0s Lebam comp=Z,122nm,1.3s	91.89 353	eP	P	04 53 36.6 +1.1
E03A			LR	LR	
E03A	comp=Z,3um,19.0s Madison River comp=Z,38nm,1.1s	91.90 344	eP	P	04 53 37.5 +1.6
YMR			LR	LR	
YMR	comp=Z,3um,21.0s Fulton Ridge, baz=31,SNR=12	91.96 327	P	P	04 53 35.7 -0.3
S43A	Cathedral Cave baz=30	92.02 328	P	P	04 53 35.6 -0.7
CCM	Cathedral Cave comp=Z,16nm,0.8s	92.02 328	eP	P	04 53 36.6 +0.3
CCM			LR	LR	
CCM	comp=Z,2um,19.0s Cathedral Cave	92.02 328	eP	pmax	04 53 36.6 +0.3
CCM			pmax	pmax	
CCM	comp=Z,16nm,0.8s		MLR	MLR	
CCM	comp=Z,2um,19.0s Old Faithful	92.08 344	eP	P	04 53 39.7 +2.9
YFT			LR	LR	

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H17A	comp=Z,4um,20.0s Grant Village baz=17,SNR=55	92.08 344	P	P	04 53 39.0 +2.2
H17A	Grant Village comp=Z,69nm,1.1s	92.08 344	eP	P	04 53 39.4 +2.6
H17A			LR	LR	
S42A	Caledonia comp=Z,5um,18.0s baz=30,SNR=11	92.08 328	P	P	04 53 37.2 +0.6
MCMT	McKenzie Canyo V48A comp=Z,800nm,20.0s baz=33	92.11 346	eP	P	04 53 38.1 +1.2
V48A		92.13 324	P	P	04 53 36.7 -0.2
Q38A	Cooks Store, C baz=28,SNR=11	92.14 330	P	P	04 53 36.6 -0.2
F07A	Phinny Hill Vi comp=Z,56nm,0.9s	92.16 351	eP	P	04 53 38.1 +1.3
F07A			LR	LR	
T44A	comp=Z,3um,19.0s Benton baz=31	92.18 326	P	P	04 53 36.5 -0.6
U46A	Springville baz=32	92.20 325	P	P	04 53 37.0 -0.1
R40A	Maddies Statio baz=29,SNR=17	92.21 329	P	P	04 53 36.9 -0.3
SMRT	St. Maarten SMRT	92.24 296	PFAKE	LR	04 53 50.0 +1.2
WVT	comp=Z,900nm,20.0s Waverly baz=32	92.24 325	P	P	04 53 37.6 +0.3
WVT	Waverly	92.24 325	PFAKE	LR	04 53 50.0 +1.3
WVT			LR	LR	
YPP	comp=Z,4um,21.0s Pitchstone Pla comp=Z,53nm,1.1s	92.25 344	eP	P	04 53 40.2 +2.5
YPP			LR	LR	
F04D	comp=Z,5um,18.0s Rainier, OR baz=7.6	92.30 353	P	P	04 53 37.4 0.0
V47A	Nunnely baz=32	92.36 324	P	P	04 53 37.2 -0.7
U45A	Rockin P Farm, baz=32	92.46 326	P	P	04 53 37.8 -0.6
257A	Skidaway Islan baz=36	92.47 318	P	P	04 53 38.3 -0.2
T43A	Greenville baz=32	92.47 327	P	P	04 53 38.2 -0.2
R39A	Chubby, Stover baz=29	92.49 329	P	P	04 53 38.1 -0.3
F03A	Seaside	92.50 353	PFAKE	LR	04 53 50.0 +1.2
F03A			LR	LR	
GOGA	comp=Z,4um,19.0s Godfrey baz=35	92.50 320	P	P	04 53 38.5 -0.1
GOGA	Godfrey	92.50 320	PFAKE	LR	04 53 50.0 +1.1
GOGA			LR	LR	
SKI	comp=Z,4um,18.0s Saint Kitts	92.52 296	PFAKE	LR	04 53 50.0 +1.1
SKI			LR	LR	
Q37A	comp=Z,4um,22.0s Longview Farm, baz=28	92.53 331	P	P	04 53 38.6 -0.1
SEUS	St. Eustatius SEUS	92.57 296	PFAKE	LR	04 53 50.0 +1.1
SEUS			LR	LR	
ABVI	comp=Z,900nm,19.0s Aneгада Island	92.60 298	PFAKE	LR	04 53 50.0 +1.1
ABVI			LR	LR	
S41A	Jillico Farms, baz=30,SNR=18	92.62 328	P	P	04 53 39.0 -0.1
G08A	Pilot Rock comp=Z,57nm,1.2s	92.63 350	eP	P	04 53 40.5 +1.4
G08A			LR	LR	
IMW	comp=Z,2um,20.0s Indian Meadow comp=Z,56nm,1.0s	92.63 344	eP	P	04 53 41.2 +1.8
IMW			LR	LR	
IMW	comp=Z,3um,19.0s Holiday	92.64 325	P	P	04 53 39.1 -0.2
V46A	Holiday	92.65 296	PFAKE	LR	04 53 50.0 +1.0
SABA	Saba	92.66 319	P	P	04 53 39.5 +0.2
SABA			LR	LR	
155A	comp=Z,1um,21.0s Kite baz=36	92.66 324	P	P	04 53 38.2 -1.3
W48A	Pulaski baz=33	92.71 326	P	P	04 53 39.9 +0.4
U44A	Portageville baz=31	92.71 326	P	P	04 53 39.2 -0.3
U44B	Burton Farm, H baz=31	92.71 326	P	P	04 53 39.2 -0.3
MOOV	Moose Ponds comp=Z,61nm,1.1s	92.73 344	eP	P	04 53 41.4 +1.6
MOOV			LR	LR	
PBMO	comp=Z,3um,18.0s Poplar Bluff comp=Z,31nm,0.9s	92.79 327	eP	P	04 53 40.2 +0.4
PBMO			LR	LR	
PVMO	comp=Z,2um,19.0s Portageville	92.80 326	PFAKE	LR	04 53 50.0 +1.0
PVMO			LR	LR	
K22A	comp=Z,2um,18.0s Casper baz=20,SNR=98	92.81 341	P	P	04 53 40.1 0.0
K22A	Casper	92.81 341	eP	P	04 53 40.2 +0.1
K22A			LR	LR	
BMO	comp=Z,3um,20.0s Blue Mountains comp=Z,45nm,1.1s	92.83 349	eP	P	04 53 39.9 -0.2
BMO			LR	LR	
BMO	comp=Z,2um,21.0s Blue Mountains	92.83 349	eP	pmax	04 53 39.9 -0.2
BMO			pmax	pmax	
BMO	comp=Z,45nm,1.1s		MLR	MLR	
LOHW	comp=Z,2um,21.0s Long Hollow comp=Z,59nm,1.1s	92.84 344	eP	P	04 53 41.8 +1.5
LOHW			ePP	PP	04 57 23.0 +1.5
LOHW			LR	LR	
T42A	Van Buren baz=30,SNR=19	92.84 327	P	P	04 53 40.6 +0.5
W47A	Westpoint baz=32	92.88 324	P	P	04 53 39.3 -1.0
G06A	Carlson Farm, comp=Z,57nm,1.3s	92.89 351	eP	P	04 53 41.8 +1.5
G06A			LR	LR	
G06A	comp=Z,3um,18.0s Fox Creek comp=Z,29nm,1.0s	92.90 344	eP	P	04 53 42.1 +1.5
FXWY			ePP	PP	04 57 21.3 -0.7
S40A	Lebanon baz=29,SNR=14	92.91 329	P	P	04 54 30.3 -0.1
R38A	Fenwick Farm, baz=28	92.93 330	P	P	04 53 40.4 -0.1
X49A	Woodville baz=33	92.93 323	P	P	04 53 41.1 +0.5
G05D	Wamic, OR baz=8.9	92.96 352	P	P	04 53 40.8 +0.2
154A	Montrose baz=38	92.98 320	P	P	04 53 40.7 -0.1
SNOW	Snow King Moun comp=Z,74nm,1.0s	93.01 344	eP	P	04 53 42.9 +1.7
SNOW			LR	LR	
TPAW	comp=Z,3um,18.0s Teton Pass comp=Z,58nm,1.1s	93.03 344	eP	P	04 53 42.9 +1.6
TPAW			LR	LR	
T41A	comp=Z,2um,19.0s Mountain View baz=30,SNR=14	93.10 328	P	P	04 53 41.2 -0.1
KSU1	Kansas State U baz=26				

455A	Stateville	94.46 318	P	P	04 53 47.2	-0.5
LRAL	Lakeview Retre	94.47 323	PFAKE	LR	04 54 00.0	+12
AOPR	Arecibo Observ	94.47 299	PFAKE	LR	04 54 00.0	+12
104A	Tendick Farm,	94.51 352	P	P	04 53 47.9	+0.2
251A	Midway	94.52 321	P	P	04 53 46.5	-1.4
W42A	Bald Knob	94.53 327	P	P	04 53 47.0	-0.9
353A	Camilla	94.56 320	P	P	04 53 47.0	-1.1
Y46A	Houston	94.59 324	P	P	04 53 46.9	-1.3
OBIP	Obispado Ponce	94.59 299	PFAKE	LR	04 54 00.0	+12
V40A	Witts Springs	94.59 328	P	P	04 53 48.0	-0.3
X44A	Crenshaw	94.62 326	P	P	04 53 46.9	-1.4
I03D	Drain, OR	94.70 353	P	P	04 53 47.9	-0.6
149A	Jones	94.74 322	P	P	04 53 48.5	-0.4
352A	Blakely	94.79 320	P	P	04 53 48.6	-0.6
657A	Interlachen	94.81 317	P	P	04 53 48.7	-0.6
Z47A	Carrollton	94.82 323	P	P	04 53 48.1	-1.1
MPR	Mayaguez	94.82 299	PFAKE	LR	04 54 00.0	+11
J05D	Fort Rock, OR	94.89 351	P	P	04 53 49.7	+0.1
V39A	Pettigrew	94.89 329	P	P	04 53 48.7	-0.9
W41B	Gary Mavity, V	94.91 327	P	P	04 53 49.3	-0.4
GRTK	Grand Turk	94.96 304	PFAKE	LR	04 54 00.0	+10
HWUT	Hardware Ranch	94.96 344	eP	P	04 53 50.7	+0.7
HWUT	HWUT		ePP	PP	04 57 34.7	-3.4
453A	Whigham	95.01 319	P	P	04 53 50.0	-0.1
J04D	Umpqua Nationa	95.03 352	P	P	04 53 51.1	+0.8
HVU	Hansel Valley	95.04 345	eP	P	04 53 51.6	+1.3
HVU	Hansel Valley	95.04 345	eP	P	04 53 51.6	+1.3
HVU	Hansel Valley		eP	P	04 53 51.6	+1.3
Y44A	Strider, Charl	95.11 325	P	P	04 53 51.0	+0.5
KSCO	Kaye Sheddok'	95.13 337	P	P	04 53 51.3	+0.5
KSCO	Kaye Sheddok'	95.13 337	eP	P	04 53 50.8	+0.0
KSCO	Kaye Sheddok'		LR	LR		
W40A	Ferguson Farm,	95.22 328	P	P	04 53 51.0	-0.1
W40A	Ferguson Farm,	95.22 328	eP	P	04 53 51.4	+0.3
W40A	Ferguson Farm,		LR	LR		
ISCO	Idaho Springs	95.25 339	P	P	04 53 52.1	+0.5
ISCO	Idaho Springs	95.25 339	eP	P	04 53 52.2	+0.7
ISCO	Idaho Springs		ePP	PP	04 57 34.1	-6.5
ISCO	Idaho Springs	95.25 339	eP	P	04 53 52.3	+0.7
ISCO	Idaho Springs		eP	P	04 53 52.3	+0.7
UALR	University of	95.30 327	PFAKE	LR	04 54 00.0	+8.6
147A	Livingston	95.35 323	P	P	04 53 51.5	-0.2
WVOR	Wild Horse Val	95.39 349	eP	P	04 53 52.9	+1.0
WVOR	Wild Horse Val		LR	LR		
WVOR	Wild Horse Val	95.39 349	eP	P	04 53 52.9	+1.0
WVOR	Wild Horse Val		eP	P	04 53 52.9	+1.0
WVOR	Wild Horse Val		MLR	MLR		
TCUT	Toone Canyon	95.39 344	eP	P	04 53 53.4	+1.3
K05A	Summer Lake	95.40 351	eP	P	04 53 53.6	+1.6
K05A	Summer Lake		LR	LR		
SPUT	South Promonto	95.43 344	PFAKE	LR	04 54 00.0	+7.9
SPUT	South Promonto		LR	LR		
452A	Marianna	95.44 320	P	P	04 53 52.5	+0.4
757A	Oxford	95.44 317	P	P	04 53 52.7	+0.6
W39A	Magazine	95.50 328	P	P	04 53 52.1	-0.3
K04D	Chiloquin, OR	95.60 352	P	P	04 53 52.0	-0.8
KEBM	Edson Butte	95.61 353	eP	P	04 53 53.6	+0.9
KEBM	Edson Butte		LR	LR		
O20A	White River Ci	95.61 341	P	P	04 53 53.0	-0.1
O20A	White River Ci	95.61 341	eP	P	04 53 53.6	+0.6
O20A	White River Ci		ePP	PP	04 57 43.5	+0.4
O20A	White River Ci		LR	LR		
TUL1	Leonard	95.64 330	P	P	04 53 52.7	-0.3
TUL1	Leonard	95.64 330	PFAKE	LR	04 54 00.0	+7.0
HUMO	Hull Mountain	95.74 352	eP	P	04 53 54.1	+0.7
HUMO	Hull Mountain		LR	LR		
X40A	Basin Creek Fa	95.75 327	P	P	04 53 53.6	+0.1
DWPF	Disney Wildern	95.78 316	PFAKE	LR	04 54 10.0	+16
DWPF	Disney Wildern		LR	LR		
CTU	Camp Tracy	95.88 344	eP	P	04 53 54.6	+0.4
CTU	Camp Tracy		LR	LR		
JLU	Jordanelle	95.90 343	eP	P	04 53 55.0	+0.6
JLU	Jordanelle		LR	LR		
Q24A	Divide	95.90 338	P	P	04 53 54.7	+0.1
Q24A	Divide	95.90 338	eP	P	04 53 55.0	+0.5
Q24A	Divide		LR	LR		
BGU	Big Grassy Mou	95.91 345	eP	P	04 53 55.3	+0.9
BGU	Big Grassy Mou		LR	LR		
MIAR	Mount Ida	95.99 328	P	P	04 53 54.2	-0.4

MIAR	Mount Ida	95.99 328	eP	P	04 53 55.2	+0.6
MIAR	Mount Ida		LR	LR		
MIAR	Mount Ida	95.99 328	eP	P	04 53 55.2	+0.6
MIAR	Mount Ida		MLR	MLR		
BRAL	Brewton	96.06 322	P	P	04 53 54.9	0.0
BRAL	Brewton	96.06 322	PFAKE	LR	04 54 10.0	+15
MOD	Modoc Plateau	96.14 350	eP	P	04 53 56.6	+1.2
MOD	Modoc Plateau		LR	LR		
Y41A	Eagletie Beard	96.18 327	P	P	04 53 53.7	-1.8
SMCO	Snowmass	96.19 340	eP	P	04 53 56.7	+0.7
SMCO	Snowmass		LR	LR		
X39A	Fountain Ranch	96.23 328	P	P	04 53 56.0	+0.2
348A	Jackson	96.25 322	P	P	04 53 55.7	-0.1
L02D	Cave Junction,	96.25 353	P	P	04 53 55.9	+0.2
KBO	Bosley Butte	96.25 353	PFAKE	LR	04 54 10.0	+14
144A	Alexander Plac	96.34 325	P	P	04 53 56.0	-0.2
Y40A	Okolona	96.34 328	P	P	04 53 55.6	-0.5
Z42A	Norrel Spur, H	96.43 326	P	P	04 53 56.2	-0.4
M04C	Macdoel	96.44 351	P	P	04 53 57.1	+0.4
MPU	Maple Canyon	96.50 343	eP	P	04 53 56.2	-0.9
MPU	Maple Canyon		LR	LR		
ELK	Elko	96.50 346	LR	LR	05 41 22.6	
059A	Moore Haven	96.54 315	P	P	04 53 57.5	+0.3
P18A	Preston Nutten	96.56 342	eP	P	04 53 58.0	+0.5
P18A	Preston Nutten		LR	LR		
DUG	Dugway, Toeole	96.57 344	P	P	04 53 58.0	+0.7
DUG	Dugway, Toeole	96.57 344	eP	P	04 53 58.9	+1.6
DUG	Dugway, Toeole		LR	LR		
DUG	Dugway, Toeole	96.57 344	eP	P	04 53 58.9	+1.6
DUG	Dugway, Toeole		eP	P	04 53 58.9	+1.6
DUG	Dugway, Toeole		MLR	MLR		
YBH	Yreka Blue Hor	96.58 352	P	P	04 53 57.0	-0.2
YBH	Yreka Blue Hor		LR	LR	05 42 45.1	
YBH	Yreka Blue Hor	96.58 352	eP	P	04 53 57.2	-0.1
245A	Little AP, Sta	96.62 324	P	P	04 53 58.6	+1.1
448A	Bay Minette	96.63 322	P	P	04 53 58.0	+0.5
NLU	North Lily Min	96.65 344	eP	P	04 53 59.4	+1.6
NLU	North Lily Min		LR	LR		
VBMS	Vicksburg	96.73 325	PFAKE	LR	04 54 10.0	+12
VBMS	Vicksburg		LR	LR		
058A	Arcadia	96.82 315	P	P	04 53 59.3	+0.8
P17A	Butcher Ranch,	96.82 343	eP	P	04 53 59.5	+1.0
P17A	Butcher Ranch,		ePP	PP	04 57 47.1	-5.4
P17A	Butcher Ranch,		LR	LR		
SDDR	Presa de Saban	96.93 303	PFAKE	LR	04 54 10.0	+11
SDDR	Presa de Saban		LR	LR		
M02C	Callahan	96.93 352	P	P	04 53 58.9	0.0
TMUT	Trail Mountain	97.10 343	eP	Pdf	04 54 01.4	+1.3
TMUT	Trail Mountain		LR	LR		
SRU	San Rafael Swe	97.12 342	eP	Pdf	04 54 00.5	+0.5
SRU	San Rafael Swe		LR	LR		
SRU	San Rafael Swe	97.12 342	eP	Pdf	04 54 00.5	+0.5
SRU	San Rafael Swe		eP	P	04 54 00.5	+0.5
SRU	San Rafael Swe		MLR	MLR		
BMN	Battle Mountai	97.14 348	eP	Pdf	04 54 01.2	+1.2
BMN	Battle Mountai		LR	LR		
BMN	Battle Mountai	97.14 348	eP	Pdf	04 54 01.2	+1.2
BMN	Battle Mountai		eP	P	04 54 01.2	+1.2
BMN	Battle Mountai		MLR	MLR		
SDCO	Great Sand Dun	97.14 338	P	P	04 53 59.9	-0.2
SDCO	Great Sand Dun	97.14 338	PFAKE	LR	04 54 10.0	+10
SDCO	Great Sand Dun		LR	LR		
LBCM	Butte Creek Ri	97.31 351	eP	Pdf	04 54 01.7	+0.9
N02D	Trinity Center	97.33 352	P	P	04 54 00.5	-0.2
PV09	Paradox Valley	97.38 341	eP	Pdf	04 54 02.3	+1.1
T25A	Trinidad	97.39 337	P	P	04 54 01.2	-0.1
T25A	Trinidad	97.39 337	eP	P	04 54 01.0	-0.2
T25A	Trinidad		LR	LR		
Q16A	Castle Valley	97.45 343	eP	Pdf	04 54 02.5	+1.0
Q16A	Castle Valley		LR	LR		
PV10	Paradox Valley	97.47 341	eP	Pdf	04 54 02.8	+1.2
MHTCO	State Highway	97.48 337	eP	Pdf	04 54 02.3	+0.6
MHTCO	State Highway		LR	LR		
S22A	4UR Ranch, Cre	97.50 339	P	Pdf	04 54 02.0	+0.2
S22A	4UR Ranch, Cre	97.50 339	eP	Pdf	04 54 02.7	+0.9
S22A	4UR Ranch, Cre		LR	LR		
KHMM	Horse Mountain	97.53 353	PFAKE	LR	04 54 10.0	+8.3
KHMM	Horse Mountain		LR	LR		
242A	Grayson	97.57 326	P	Pdf	04 54 02.4	+0.6
PV01	Paradox Valley	97.58 341	eP	Pdf	04 54 03.0	+0.9
JCC	Jacoby Creek,	97.62 353	PFAKE	LR	04 54 10.0	+8.1
JCC	Jacoby Creek,		LR	LR		
WDC	Whiskeytown Da	97.70 352	eP	P	04 54 01.8	-0.4
WDC	Whiskeytown Da		LR	LR		
WDC	Whiskeytown Da	97.70 352	eP	P	04 54 01.8	-0.4
WDC	Whiskeytown Da		eP	P	04 54 01.8	-0.4
WDC	Whiskeytown Da		MLR	MLR		
PV05	Paradox Valley	97.77 341	eP	Pdf	04 54 03.5	+0.5
WMOK	Wichita Mounta	97.78 332	eP	P	04 54 02.4	-0.3
WMOK	Wichita Mounta		LR	LR		

WMOK	Wichita Mounta	97.78 332	eP	P	04 54 02.8	+0.1
WMOK	Wichita Mounta		LR	LR		
WMOK	Wichita Mounta	97.78 332	eP	P	04 54 02.8	+0.1
WMOK						



7d 4h

ABTX	Abilene, Hawle	99.99 332	Pd	Pd	04 54 12.9 +0.2
ABTX	Abilene, Hawle	99.99 332	ePd	Pd	04 54 13.2 +0.5
ANMO	Albuquerque	100.03 338	Pd	Pd	04 54 13.6 +0.6
ANMO	Albuquerque	100.03 338	PFAKE	LR	04 54 20.0 +7.0
ANMO	Albuquerque	100.03 338	eP	Pd	04 54 14.3 +1.3
ANMO	North Rim	100.09 343	ePd	Pd	04 54 14.6 +1.3
MLAC	Mammoth	100.15 352	Pd	Pd	04 54 14.0 +0.5
MCCM	Marconi Confer	100.15 352	PFAKE	LR	04 54 20.0 +6.8
MDPB	Devils Postpil	100.17 349	ePd	Pd	04 54 14.3 +0.7
TPNV	Topopah Spring	100.37 346	Pd	Pd	04 54 14.6 +0.2
TPNV	Topopah Spring	100.37 346	ePd	Pd	04 54 15.6 +1.2
TPNV	Topopah Spring	100.37 346	eP	Pd	04 54 15.6 +1.2
GRAC	Grapevine Rang	100.52 347	Pd	Pd	04 54 15.0 +0.1
SHPR	Sheep Range	100.60 345	ePd	Pd	04 54 16.0 +0.6
LPM	Los Pinos Moun	100.67 338	ePd	Pd	04 54 16.6 +0.7
RDG13	Rovary Ridge	100.72 351	PFAKE	LR	04 54 30.0 +1.4
LAZ	Ladron	100.73 338	ePd	Pd	04 54 17.4 +1.2
W18A	Petrified Fore	100.74 341	Pd	Pd	04 54 17.1 +1.0
W18A	Petrified Fore	100.74 341	ePd	Pd	04 54 17.6 +1.5
WUJZ	Wupatki	100.75 342	Pd	Pd	04 54 17.1 +0.9
WUJZ	Wupatki	100.75 342	ePd	Pd	04 54 16.7 +0.5
WUJZ	Wupatki	100.75 342	ePd	Pd	04 54 17.1 +0.9
BNM	Barren Site	100.82 338	ePd	Pd	04 54 17.8 +1.1
435B	Jarrell	100.88 329	Pd	Pd	04 54 15.9 -0.7
HKT	Hockley	100.93 328	PFAKE	LR	04 54 30.0 +1.3
FURC	Furnace Creek	100.95 347	Pd	Pd	04 54 17.5 +0.7
Y22D	IRIS PASSCAL I	100.98 338	PFAKE	LR	04 54 30.0 +1.3
CWC	Cottonwood Cre	101.18 348	Pd	Pd	04 54 18.8 +0.7
WRA	Warramunga Arr	101.19 107	Pd	Pd	04 54 17.0 -1.0
WRA	Warramunga Arr	101.19 107	Pd	Pd	05 10 29.8 +2.9
WRA	Warramunga Arr	101.19 107	Pd	Pd	04 54 17.0 -1.0
WRAB	Tennant Creek	101.19 107	Pd	Pd	04 54 18.0 0.0
WB2	Warramunga Arr	101.20 107	ePd	Pd	04 54 17.4 -0.7
WAC3	Warramunga Arr	101.22 107	ePd	Pd	04 54 17.0 -1.2
DAC	Darwin (Calif)	101.26 347	PFAKE	LR	04 54 30.0 +1.2
PATS	Pohnpei	101.29 70	PFAKE	LR	04 54 30.0 +1.1
SAO	San Andreas Ge	101.34 350	PFAKE	LR	04 54 30.0 +1.1
X18A	Snowflake	101.35 341	ePd	Pd	04 54 20.4 +1.5
W13A	Hualapai Mount	101.71 344	ePd	Pd	04 54 21.7 +1.2
TUQ	Turquoise Moun	101.78 346	Pd	Pd	04 54 21.5 +0.7
PMPB	Monarch Peak	101.80 350	PFAKE	LR	04 54 30.0 +9.3
X16A	Lo Mia Camp, P	101.82 342	ePd	Pd	04 54 23.2 +2.3
LDFC	Landfair	101.97 345	ePd	Pd	04 54 22.9 +1.4
JCT	Junction City	101.99 331	Pd	Pd	04 54 21.7 +0.2
JCT	Junction City	101.99 331	PFAKE	LR	04 54 30.0 +8.4
ISA	Isabella, Lake	102.00 348	PFAKE	LR	04 54 30.0 +8.4
LRMC	Laurel Mtn Rad	102.05 347	Pd	Pd	04 54 22.1 +0.2
GSC	Goldstone, Bar	102.07 346	Pd	Pd	04 54 22.1 +0.1
GSC	Goldstone, Bar	102.07 346	ePd	Pd	04 54 22.8 +0.8
GSC	Goldstone, Bar	102.07 346	eP	Pd	04 54 22.8 +0.8
GMRC	Granite Mounta	102.37 345	Pd	Pd	04 54 23.9 +0.6
HEC	Hector Ludlow	102.45 346	Pd	Pd	04 54 24.0 +0.4
RRX	Edison Barstow	102.52 346	Pd	Pd	04 54 24.9 +1.0
PDMCI	Parker Dam, Lak	102.53 344	Pd	Pd	04 54 24.7 +0.8
SMMC	Simmler	102.58 349	Pd	Pd	04 54 24.7 +0.6
Y14A	Wickenburg	102.64 343	ePd	Pd	04 54 25.6 +1.1
121A	Cookes Peak, D	102.67 338	Pd	Pd	04 54 25.6 +0.9
MNTX	Cornudas Mount	102.74 336	Pd	Pd	04 54 25.6 +0.7
MNTX	Cornudas Mount	102.74 336	ePd	Pd	04 54 26.0 +1.1
IRM	Iron Mountain	102.87 345	Pd	Pd	04 54 26.2 +0.7
PTGA	Pitinga	102.97 281	PFAKE	LR	04 54 40.0 +1.4
EPT	El Paso	103.01 337	PFAKE	LR	04 54 40.0 +1.4
OSI	Osito Audit: C	103.07 348	PFAKE	LR	04 54 40.0 +1.4
Y12C	Blythe	103.14 344	Pd	Pd	04 54 27.5 +0.9
Y12C	Blythe	103.14 344	ePd	Pd	04 54 28.8 +2.2
BELC	Belle Mtn. Jos	103.19 345	Pd	Pd	04 54 26.8 -0.2
ASAR	Alice Springs	103.25 110	Pd	Pd	04 54 26.9 -0.2
ASAR	Alice Springs	103.25 110	Pd	Pd	05 10 31.2 +1.7

BFSC	Mount Baldy Ra	103.26 347	Pd	Pd	04 54 27.8 +0.4
MWC	Mount Wilson	103.34 347	PFAKE	LR	04 54 40.0 +1.2
PASC	Pasadena Art C	103.41 347	PFAKE	LR	04 54 40.0 +1.2
PFO	Pinyon Flats O	103.66 346	Pd	Pd	04 54 29.4 +0.3
PFO	Pinyon Flats O	103.66 346	ePd	Pd	04 54 28.1 -1.0
PFO	Pinyon Flats O	103.66 346	eP	Pd	04 54 28.1 -1.0
XPFO	Pison Flat	103.66 346	ePd	Pd	04 54 28.4 -0.7
TUC	Tucson	103.67 341	Pd	Pd	04 54 29.4 +0.3
TUC	Tucson	103.67 341	ePd	Pd	04 54 30.4 +1.3
TUC	Tucson	103.67 341	eP	Pd	04 54 30.4 +1.3
FORT	Forrest	103.80 119	PFAKE	LR	04 54 40.0 +1.1
COEN	Coen	103.87 96	PFAKE	LR	04 54 40.0 +1.0
GLA	Glamis	103.88 344	PFAKE	LR	04 54 40.0 +1.0
KVXT	Kingsville	103.89 328	PFAKE	LR	04 54 40.0 +1.0
113A	Mohawk Valley,	103.93 343	ePd	Pd	04 54 30.8 +0.7
319A	Douglas	104.17 339	PFAKE	LR	04 54 40.0 +8.6
SWSC	Sam W. Stewart	104.18 345	Pd	Pd	04 54 31.6 +0.4
TXAR	Lajitas Array	104.38 334	Pd	Pd	04 54 33.6 +1.2
TXAR	Lajitas Array	104.38 334	Pd	Pd	04 58 48.1 -0.6
TXAR	Camp Elliot	104.48 346	PFAKE	LR	04 54 40.0 +7.4
214A	Organ Pipe Nat	104.50 342	Pd	Pd	04 54 32.9 +0.2
SNCC	San Nicolas Is	104.53 348	Pd	Pd	04 54 32.2 -0.6
BAR	Barrett	104.60 346	PFAKE	LR	04 54 40.0 +6.8
TEIG	Tepich	105.78 316	PFAKE	LR	04 59 00.0
MYIG	Morida	105.92 318	PFAKE	LR	04 59 00.0
HSIG	HSIG	106.85 340	PFAKE	LR	04 59 00.0
LNIG	Linares	106.88 328	PFAKE	LR	04 59 10.0
HPIG	HPIG	107.26 334	PFAKE	LR	04 59 10.0
RUSC	La Rusia	107.72 295	PFAKE	LR	04 59 10.0
SPB	Sao Paulo	108.25 254	PFAKE	LR	04 59 10.0
SRIG	Santa Rosalia	108.80 340	PFAKE	LR	04 59 10.0
HELH	Santa Helena	109.16 297	PFAKE	LR	04 59 10.0
ROSC	El Rosal	109.33 295	PFAKE	LR	04 59 10.0
MAW	Mawson	109.48 174	PFAKE	LR	04 59 10.0
BCIP	Isla Barro Col	109.73 303	PFAKE	LR	04 59 10.0
ESPN	Las Esperanzas	110.10 308	PFAKE	LR	04 59 10.0
TGUH	Tegucigalpa, Un	110.31 312	PFAKE	LR	04 59 10.0
PRAC	Prado	110.53 295	PFAKE	LR	04 59 10.0
ESTN	Estel	110.58 311	PFAKE	LR	04 59 10.0
SAML	Samuel	110.80 277	PFAKE	LR	04 59 10.0
JRQG	Juriquilla Cam	111.03 327	PFAKE	LR	04 59 10.0
SLBS	Sierra La Lagu	111.62 337	PFAKE	LR	04 59 10.0
SNET	Serv Nac Est T	111.70 313	PFAKE	LR	04 59 10.0
HDC	Heredia	111.72 307	PFAKE	LR	04 59 10.0
UNM	Universidad Na	111.73 325	PFAKE	LR	04 59 10.0
TLIG	Tlapa	113.02 324	PFAKE	LR	04 59 20.0
HLK	Haleakala	114.46 24	PFAKE	LR	04 59 20.0 +1.2
HPAH	Hawaii Prepara	115.31 23	PFAKE	LR	04 59 20.0 +1.1
OTAV	Otavallo	115.49 295	ePKP	Pd	04 59 11.1 +0.7
OTAV	Otavallo	115.49 295	ePKP	Pd	04 59 11.1 +0.7
POHA	Pohakuloa	115.62 23	PFAKE	LR	04 59 20.0 +1.0
KHLU	Kahalua'u	115.67 24	PFAKE	LR	04 59 20.0 +1.0
CPUP	Villa Florida	117.09 258	Pd	Pd	04 59 12.7 +0.3
CPUP	Villa Florida	117.09 258	ePKP	Pd	04 59 12.2 -0.2
CPUP	Villa Florida	117.09 258	ePKP	Pd	04 59 12.7 +0.3
CASY	Casey	118.02 156	PFAKE	LR	04 59 30.0 +1.7
SNA	Sanae	118.20 196	P	Pd	05 09 33.8 +0.6
SNA	Sanae	118.20 196	P	Pd	04 59 14.4 +1.1
SNA	Sanae	118.20 196	P	Pd	04 59 14.5 +1.2
VNA2	Neumayer-Stat	118.63 198	P	Pd	04 59 19.8 +5.8
VNA2	Neumayer-Stat	118.63 198	P	Pd	05 09 33.5 +1.9

VNA1	Neumayer-Stat	118.63 198	P	Pd	05 09 33.6 +2.1
LPAZ	La Paz	119.19 274	P	Pd	04 59 18.2 +0.7
LPAZ	La Paz	119.19 274	ePKP	Pd	04 59 18.3 +0.8
VNA3	Neumayer Olymp	119.38 198	P	Pd	04 59 19.3 +3.7
VNA3	Neumayer Olymp	119.38 198	P	Pd	05 09 31.3 +2.4
YJA	Yavi	120.78 267	eP	Pd	04 59 20.4 +0.2
HJA	Humahuaca	121.30 266	eP	Pd	04 59 22.6 +1.4
MNMO	Minye Minye	122.03 272	ePKP	Pd	04 59 22.7 +0.2
SLAN	San Lorenzo	122.24 264	eP	Pd	04 59 22.9 +0.8
PB11	IPOC Station P	122.46 272	PFAKE	LR	04 59 40.0 +1.7
AHML	Horco Molle	123.27 262	eP	Pd	04 59 25.3 +0.9
CFAYE	Cafayete	123.38 263	eP	Pd	04 59 24.8 0.0
CYA	Choyas	124.52 261	eP	Pd	04 59 25.8 -0.9
DZM	Mont Dzumac	126.27 88	ePP	PP	05 01 20.9 +6.5
DZM	Mont Dzumac	126.27 88	eLR	LR	05 09 05.9
VCA	Vinchina	126.46 262	eP	Pd	04 59 32.7 +2.1
TRQA	Tronquist	126.58 249	ePKP	Pd	04 59 30.0 -0.3
AGUA	Agua Fria	127.07 261	eP	Pd	04 59 31.6 0.0
RTVC	Cerro Valdivia	128.32 259	eP	Pd	04 59 36.0 +2.1
LCO	Las Campanas	128.46 263	eP	Pd	04 59 31.1 -3.4
ASAL	Salagasta	128.90 258	eP	Pd	04 59 36.3 +1.2
QSPA	South Pole Qui	131.34 180	PKP	Pd	04 59 39.5 +0.9
QSPA	South Pole Qui	131.34 180	SKPbc	SKPbc	05 03 03.1 +0.5
QSPA	South Pole Qui	131.34 180	ePKP	Pd	04 59 38.2 -0.3
GO05	Hualae0	132.31 257	PFAKE	LR	04 59 50.0 +8.7
PLCA	Palmer Station	135.32 215	PFAKE	LR	05 03 13.4 +1.7
PMSA	Palmer Station	135.32 215	PFAKE	LR	05 00 00.0 +1.4
VNDA	Vanda	135.55 164	SKPbc	SKPbc	05 03 18.8 +2.4
OXZ	Oxford	140.17 112	PFAKE	LR	05 00 10.0 +1.4
HIZ	Haiti	140.62 103	PFAKE	LR	05 00 10.0 +1.3
TAOE	Nuku Hiva Isla	146.89 13	eSS	SS	05 22 29.0 -2.7
TAOE	Nuku Hiva Isla	146.89 13	eLR	LR	05 48 36.9
PMOR	Pomario Reo	150.68 30	ePKPbc	PKPbc	05 00 19.1 -0.7
VAH	Vaihoa	150.99 30	ePKPbc	PKPbc	05 00 19.7 -0.8
PPT2	Papeete2	152.33 35	ePKPbc	PKPbc	05 03 22.8 -0.9
PPT2	Papeete2	152.33 35	ePP	PP	05 05 53.9 -1.1
PPT2	Papeete2	152.33 35			



7d 5h

V46A	53nm,0.5s Holladay baz=208	21.23	24	P	P	05	30	14.0	-1.9
X16A	Lo Mia Camp, P 5.7nm,0.8s	21.25	329	eP	P	05	30	19.1	+2.7
113A	Mohawk Valley, 2.9nm,0.8s	21.26	322	eP	P	05	30	19.0	+2.8
PBMO	Poplar Bluff 9.2nm,0.8s	21.32	18	eP	P	05	30	20.0	+3.0
T42A	Van Buren baz=200	21.37	16	P	P	05	30	16.6	-0.8
V47A	Nunnely baz=210,SNR=5.2	21.48	25	P	P	05	30	19.8	+1.1
S39A	Bolivar baz=193	21.50	11	P	P	05	30	18.9	+0.1
GOGA	Godfrey baz=222	21.51	36	eP	P	05	30	17.4	-1.5
GOGA	Godfrey 6.8nm,0.8s	21.51	36	eP	P	05	30	18.2	-0.7
155A	Kite baz=226	21.53	39	P	P	05	30	17.6	-1.6
S40A	Lebanon baz=196,SNR=5.8	21.57	13	P	P	05	30	19.0	-0.6
WVT	Waverly baz=208	21.63	24	P	P	05	30	18.5	-1.7
WVT	Waverly 9.5nm,0.8s	21.63	24	eP	P	05	30	19.4	-0.8
T43A	Greenville baz=201	21.65	18	P	P	05	30	19.1	-1.3
Y14A	Wickenburg 3.8nm,0.8s	21.69	326	eP	P	05	30	23.4	+2.5
V48A	Smith Brothers baz=211	21.70	26	P	P	05	30	19.5	-1.5
S41A	Jillco Farms, baz=197	21.73	14	P	P	05	30	20.7	-0.7
SDCO	Great Sand Dun baz=162	21.98	345	P	P	05	30	25.1	+0.8
SDCO	Great Sand Dun 2.7nm,0.8s	21.98	345	eP	P	05	30	25.0	+0.7
GLA	Glamis baz=134	22.09	321	P	P	05	30	26.8	+1.5
GLA	Glamis 4.1nm,0.7s	22.09	321	eP	P	05	30	27.1	+1.8
WUAZ	Wupatki baz=145	22.11	331	P	P	05	30	27.6	+2.0
WUAZ	Wupatki 4.3nm,0.8s	22.11	331	eP	P	05	30	28.4	+2.8
U47A	Clarksville baz=209	22.11	24	P	P	05	30	23.9	-1.5
S42A	Caledonia baz=200,SNR=6.8	22.15	16	P	P	05	30	27.8	+2.0
R39A	Chumby, Stover baz=194	22.16	11	P	P	05	30	24.5	-1.4
CBKS	Cedar Bluff 7.3nm,0.8s	22.17	357	eP	P	05	30	27.1	+1.0
R40A	Maddies Statio baz=196,SNR=8.2	22.29	13	P	P	05	30	27.3	0.0
CCM	Cathedral Cave baz=198	22.30	15	P	P	05	30	27.8	+0.4
CCM	Cathedral Cave 5.0nm,0.8s	22.30	15	eP	P	05	30	28.6	+1.1
S22A	4UR Ranch, Cre baz=158	22.34	342	P	P	05	30	28.8	+0.6
S22A	4UR Ranch, Cre 2.4nm,1.0s	22.34	342	eP	P	05	30	29.3	+1.1
MVCO	Mesa Verde baz=154,SNR=5.2	22.39	339	P	P	05	30	30.0	+1.3
MVCO	Mesa Verde 5.2nm,0.8s	22.39	339	eP	P	05	30	31.0	+2.3
T46A	Princeton baz=207	22.41	23	P	P	05	30	28.5	0.0
U48A	Cassie Pea, Po baz=211,SNR=5.1	22.47	26	P	P	05	30	28.6	-0.7
R41A	Rosebud baz=198	22.50	15	P	P	05	30	29.3	-0.2
S44A	Carbondale baz=203	22.53	19	P	P	05	30	30.3	+0.5
SIUC	Southern Illin 6.3nm,0.8s	22.56	19	eP	P	05	30	31.3	+1.1
PDMC	Parker Dam,Lak baz=130	22.59	324	P	P	05	30	32.5	+2.0
IKP	In-Ko-Pah, Jac baz=131	22.62	318	P	P	05	30	32.4	+1.4
R42A	Luebbering baz=192	22.63	16	P	P	05	30	30.6	-0.3
KSCO	Kaye Shedlock 12nm,0.9s	22.64	351	eP	P	05	30	32.9	+1.7
T47A	Sharon Grove baz=209	22.66	24	P	P	05	30	30.7	-0.6
Q38A	Cooks Store, C baz=192	22.68	10	P	P	05	30	31.5	0.0
S45A	Carrier Mills baz=205	22.73	21	P	P	05	30	31.5	-0.5
R43A	Red Bud baz=201	22.86	17	P	P	05	30	33.0	-0.3
Q39A	Willow Grove F baz=193	22.88	11	P	P	05	30	33.3	-0.3
W13A	Hualapai Mount 1.5nm,0.9s	23.04	326	eP	P	05	30	38.5	+3.0
TKL	Tuckaleehee C 7.6nm,1.0s,baz=203,slow=9.6,SNR=5.6	23.05	32	eP	P	05	30	32.7	-2.7
TKL	Tuckaleehee C 9.8nm,1.3s	23.05	32	eP	P	05	30	35.9	+0.5
IRM	Iron Mountain baz=135	23.05	322	P	P	05	30	36.0	+0.5
Q24A	Divide 2.9nm,0.7s	23.06	347	eP	P	05	30	38.2	+2.5
R44A	Waltonville baz=203	23.09	19	P	P	05	30	34.5	-1.2
Q41A	Truxton baz=198	23.16	14	P	P	05	30	34.6	-1.8
P37A	Lathrop baz=190	23.19	8	P	P	05	30	36.6	-0.2
PV01	Paradox Valley 3.8nm,1.0s	23.24	339	eP	P	05	30	39.2	+1.7
U15A	North Rim 2.8nm,0.9s	23.28	331	eP	P	05	30	40.2	+2.2
P39B	Salisbury baz=194	23.35	11	P	P	05	30	38.2	-0.1
PV15	Paradox Valley 3.8nm,0.9s	23.40	340	eP	P	05	30	41.1	+1.9
PV03	Paradox Valley 9.1nm,1.4s	23.45	339	eP	P	05	30	40.8	+1.2
XPFO	Piacon Flat 2.6nm,1.0s	23.47	320	eP	P	05	30	42.1	+2.3
PFO	Pinyon Flats O baz=132	23.47	320	P	P	05	30	40.9	+1.1
PFO	Pinyon Flats O 2.3nm,1.0s	23.47	320	eP	P	05	30	42.0	+2.2
P40A	Paris baz=195	23.53	12	P	P	05	30	39.9	-0.2
PV07	Paradox Valley 4.1nm,1.1s	23.54	340	eP	P	05	30	43.6	+3.0
Q43A	New Douglas baz=201	23.55	17	P	P	05	30	39.3	-1.0
PV04	Paradox Valley 9.5nm,1.5s	23.59	339	eP	P	05	30	42.9	+2.0
PV10	Paradox Valley 9.2nm,1.2s	23.62	339	eP	P	05	30	41.3	0.0
S48A	Wiedeman Farm, baz=211	23.66	25	P	P	05	30	44.4	-0.9
SMCO	Snowmass 6.3nm,1.4s	23.71	343	eP	P	05	30	44.6	+2.2
PV09	Paradox Valley baz=192	23.76	339	eP	P	05	30	43.8	+1.0
O38A	Galt baz=192	23.84	9	P	P	05	30	42.4	-0.7
TZTN	Tazewell baz=217	23.86	31	P	P	05	30	43.1	-0.2
P41A	Barry Barry baz=198	23.88	14	P	P	05	30	42.5	-1.0
ISCO	Idaho Springs baz=163,SNR=8.4	23.96	346	P	P	05	30	45.7	+1.1
ISCO	Idaho Springs 4.0nm,0.8s	23.96	346	eP	P	05	30	45.6	+1.1
P42A	Winchester baz=199	23.97	16	P	P	05	30	44.1	-0.3
KMSC	Kings Mountain baz=224	23.98	36	P	P	05	30	43.3	-1.1
KNB	Kanab 2.3nm,0.9s	24.00	331	eP	P	05	30	45.9	+1.0
R47A	Woolly Knot Far baz=209,SNR=7.3	24.02	23	P	P	05	30	44.1	-0.8
WCI	Wyandotte Cave baz=210	24.05	24	P	P	05	30	44.1	-1.0
WCI	Wyandotte Cave 7.8nm,0.8s	24.05	24	eP	P	05	30	44.9	-0.3
O39A	Kirksville baz=194	24.13	11	P	P	05	30	45.5	-0.3

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O40A	La Belle baz=195	24.13	12	P	P	05	30	45.4	-0.4
N36A	Muff Farm, Cla baz=188	24.33	6	P	P	05	30	47.3	-0.3
O41A	Passays Farm, baz=198	24.34	14	P	P	05	30	46.2	-1.5
R48A	Northridge Ran baz=210,SNR=5.3	24.37	24	P	P	05	30	47.2	-0.8
OGNE	Ogallala baz=202	24.47	353	P	P	05	30	49.5	+0.5
OGNE	Ogallala 13nm,1.0s	24.47	353	eP	P	05	30	49.6	+0.5
N38A	Joes South For 9.0nm,0.8s	24.54	10	P	P	05	30	49.4	-0.2
MTPU	Mount Pierson 9.0nm,0.8s	24.56	333	eP	P	05	30	52.6	+2.4
Q47A	Bedord North L baz=192	24.62	23	P	P	05	30	49.8	-0.5
HELCO	Santa Helena 4.2nm,1.2s	24.68	112	eP	P	05	30	50.8	-0.7
CCUT	Center City 2.2nm,1.0s	24.69	331	eP	P	05	30	51.4	+0.2
LGHN	L'Oogne 6.0nm,0.9s	24.69	82	eP	P	05	30	52.9	+1.8
N39A	Derby Farms, D baz=194	24.74	11	P	P	05	30	50.8	-0.6
MWC	Mount Wilson 1.5nm,1.4s	24.88	319	eP	P	05	30	54.1	+1.2
Q16A	Castle Valley 7.7nm,1.3s	24.89	336	eP	P	05	30	54.4	+1.4
N41A	Harden Midland baz=197	24.91	14	P	P	05	30	52.9	-0.1
P46A	Rosedale baz=206	24.95	21	P	P	05	30	52.9	-0.4
MSU	Marysvale O20A	24.95	334	eP	P	05	30	54.2	+0.6
M37A	Trindle Farm, baz=190,SNR=5.8	25.01	8	P	P	05	30	53.6	-0.2
N23A	Red Feather La baz=202	25.08	346	P	P	05	30	55.0	+0.2
N23A	Red Feather La 4.4nm,1.1s	25.08	346	eP	P	05	30	55.3	+0.5
M38A	Pleasantville baz=195	25.15	9	P	P	05	30	54.5	-0.6
P18A	Preston Nutter 5.0nm,0.9s	25.16	338	eP	P	05	30	57.1	+1.5
P47A	Martinsville baz=208	25.16	23	P	P	05	30	54.5	-0.7
HDIL	Hopedale baz=201	25.16	17	P	P	05	30	54.5	-0.6
HDIL	Hopedale 16nm,1.3s	25.16	17	eP	P	05	30	55.1	-0.1
N42A	Yates City baz=192	25.23	15	P	P	05	30	55.2	-0.6
TMUT	Trail Mountain 3.3nm,0.7s	25.23	336	eP	P	05	30	58.3	+2.1
O45A	Potomac baz=192	25.34	19	P	P	05	30	56.4	-0.4
PHWY	Pilot Hill 3.4nm,0.9s	25.36	348	eP	P	05	30	58.0	+0.6
NCAT	North Carolina 8.0nm,0.9s	25.54	37	eP	P	05	30	58.0	-0.6
N43A	Stutman Famil baz=201	25.55	16	P	P	05	30	58.1	-0.6
SCIA	State Center baz=192	25.63	9	P	P	05	30	59.5	+0.1
SCIA	State Center 14nm,0.7s	25.63	9	eP	P	05	30	59.7	+0.3
SFIN	Lafayette baz=206	25.66	20	P	P	05	30	58.5	-1.3
SFIN	Lafayette 7.3nm,0.7s	25.66	20	eP	P	05	30	59.5	-0.2
FURC	Furnace Creek, baz=136	25.68	324	P	P	05	31	00.2	+0.2
PSUT	Pine Spring 1.1nm,0.7s	25.71	331	eP	P	05	31	00.9	+0.4
L38A	Oak Wood Farm, baz=192	25.79	9	P	P	05	31	02.1	+0.2
CNNC	Cliffs of the baz=200	26.10	41	P	P	05	31	03.5	-0.2
RWWV	Rawlins 5.0nm,1.0s	26.13	345	eP	P	05	31	06.8	+2.4
NLU	North Lily Min 3.3nm,0.9s	26.13	336	eP	P	05	31	06.4	+2.1
VWVC	Virginia Weste baz=192	26.25	35	eP	P	05	31	05.7	+0.6
L41A	Preston baz=197	26.30	13	P	P	05	31	04.4	-1.1
K37A	Belmond baz=190	26.41	8	P	P	05	31	05.3	-1.3
L42A	Oliver, Polo baz=199	26.42	15	P	P	05	31	05.2	-1.4
DUG	Dugway, Tooele baz=148	26.64	335	P	P	05	31	10.1	+1.4
J36A	Senza 1, Swea baz=189	26.88	7	P	P	05	31	10.1	-0.6
K22A	Casper baz=163	26.88	347	P	P	05	31	12.0	+1.0
ACSO	Alum Creek Sta baz=214	27.11	27	P	P	05	31	12.1	-0.8
JFWS	Jewell Farm baz=197	27.15	13	P	P	05	31	12.8	-0.4
J41A	Loganville baz=198	27.64	13	P	P	05	31	15.8	-1.7
OMMB	Old Mammoth Mi 4.9nm,1.4s	27.70	323	eP	P	05	31	19.9	+1.4
BW06	Boulder Array 2.2nm,1.0s	27.77	342	eP	P	05	31	20.5	+1.4



7d 5h

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like GEYT, GYA0B, BR101, etc.

2012 MAY

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like DZET, VTS, KK31, etc.

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Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like VYHS, VYHS, KBK, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like Lovozero, Novosibirsk, Hagfors, Black Forest, Zalesovo Array, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like Summit, Chiang Mai, Sadao Pong, Ilulissat, etc.

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

NSSP 07 05:40:27.0, 41:42N:46:63E, h7km, Ms4.4
IDC 07 05:40:28.4, 0.6, 41:40N:46:64E, h0km, mb4.2/21,
mb1 4.3/29, mb1mx4.2/64, mb1mp4.2/29, ML3.3/5, Error
ellipse: s-maj=12.8km s-min=8.4km az=163.0









Table with columns: Station ID, Name, Frequency, Power, Class, and other technical details. Includes stations like IKP, CMB, PFO, AFDM, BBRC, etc.

Table with columns: Station ID, Name, Frequency, Power, Class, and other technical details. Includes stations like H04A, PINE, R11A, KRSRS, etc.

Table with columns: Station ID, Name, Frequency, Power, Class, and other technical details. Includes stations like NJ2, MA2, MNTX, etc.

2012 MAY

7d	6h	83.51	47	eP	P	06 59 21.6 +0.2	comp=Z,9.5nm,1.1s,baz=173,slow=3.6,SNR=11	LR	LR	07 37 34.6	KSH	LR	LR					
Q24A	Divide	83.51	47	eP	P	06 59 21.6 +0.2	comp=Z,130nm,21.2s,baz=180,slow=33	LR	LR	07 00 04.8 -0.9	AAK	Ala-Archa	116.47 310	ePKIKP	PKPdf	07 05 39.1 +2.0		
ISCO	Idaho Springs	83.55	46	P	P	06 59 21.7 +0.2	92.91 177	eP	P	07 00 04.8 -0.9	BVAR	Borovoye Array	117.87 322	ePKIKP	pPKP	07 05 30.3 +0.9		
ISCO	Idaho Springs	83.55	46	eP	P	06 59 20.6 -0.9	comp=Z,15nm,1.2s	LR	LR	07 00 06.1 0.0	BRVK	Borovoye	117.92 322	ePKIKP	PKPdf	07 05 40.6 +1.3		
ISCO	Idaho Springs	83.55	46	eP	P	06 59 20.6 -0.9	comp=Z,15nm,1.2s	LR	LR	07 00 06.1 0.0	ARU	Arti	123.33 322	ePKIKP	PKPdf	07 05 40.9 +1.1		
RLMT	Red Lodge	83.61	40	P	P	06 59 21.6 +0.1	M38A	Pleasantville	92.91 48	P	P	07 00 06.2 -0.3	ARAO	ARCES Array S	124.60 352	ePKIKP	PKPdf	07 06 00.7 -2.1
RLMT	Red Lodge	83.61	40	P	P	06 59 21.6 +0.1	Q40A	Lux Farm, Aux	93.00 58	P	P	07 00 06.3 -0.5	ARAO	ARCES Array B	124.60 352	ePKIKP	PKPdf	07 05 42.9 +1.1
GCMT	Greycliff	83.69	39	eP	P	06 59 21.8 +0.1	A32A	Rocking H Ranc	93.12 40	P	P	07 00 06.2 -0.3	ARCS	ARCES Array	124.60 352	ePKIKP	PKPdf	07 05 49.7 -2.1
833A	Chaparral WMA,	83.72	59	eP	P	06 59 22.0 -0.3	LZH	Lanzhou	93.20 306	eP	P	07 00 06.3 -0.5	PRGR	Pergomere	126.12 338	ePKIKP	PKPdf	07 06 02.9 +1.1
833A	Chaparral WMA,	83.72	59	eP	P	06 59 21.9 -0.3	LZH	Lanzhou	93.20 306	eP	P	07 00 06.3 -0.5	PRGR	Pergomere	126.12 338	ePKIKP	PKPdf	07 06 01.8 +7.0
N23A	Red Feather La	83.80	45	P	P	06 59 22.6 -0.2	LZH	Lanzhou	93.20 306	eP	P	07 00 06.3 -0.5	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.1 +5.2
N23A	Red Feather La	83.80	45	P	P	06 59 22.6 -0.2	LZH	Lanzhou	93.20 306	eP	P	07 00 06.3 -0.5	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.2 +5.3
COLD	Goldfoot	84.14	9	eP	P	06 59 23.4 -0.1	LZH	Lanzhou	93.20 306	eP	P	07 00 06.3 -0.5	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
JCT	Junction City	84.17	56	P	P	06 59 23.8 -0.7	LZH	Lanzhou	93.20 306	eP	P	07 00 06.3 -0.5	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
JCT	Junction City	84.17	56	eP	P	06 59 23.9 -0.7	LZH	Lanzhou	93.20 306	eP	P	07 00 06.3 -0.5	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
JCT	Junction City	84.17	56	eS	S	07 09 50.4 +2.5	N39A	Derby Farms, D	93.25 49	P	P	07 00 07.2 -0.4	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
JCT	Junction City	84.17	56	eS	S	07 09 50.4 +2.5	L38A	Oak Wood Farm,	93.30 47	P	P	07 00 07.2 -0.7	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
JCT	Junction City	84.17	56	eS	S	07 09 50.4 +2.5	R41A	Rosebud	93.32 51	P	P	07 00 07.2 -0.7	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
K22A	Casper	84.20	43	P	P	06 59 24.3 -0.4	CCM	Cathedral Cave	93.35 52	eP	P	07 00 07.8 -2.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
K22A	Casper	84.20	43	eP	P	06 59 23.7 -0.9	CCM	Cathedral Cave	93.35 52	eP	P	07 00 07.8 -2.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
AMTX	Amarillo	84.37	52	P	P	06 59 25.1 -0.4	CCM	Cathedral Cave	93.35 52	eP	P	07 00 07.8 -2.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
AMTX	Amarillo	84.37	52	eP	P	06 59 25.3 -0.2	CCM	Cathedral Cave	93.35 52	eP	P	07 00 07.8 -2.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	O40A	La Belle	93.48 49	P	P	07 00 08.1 -0.6	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	A33A	Warrod	93.81 40	P	P	07 00 08.9 -1.2	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	ePKIKP	PKPdf	07 06 05.9 -1.0
BILL	Bilbino	84.50	352	eP	P	06 59 24.5 -0.8	BOD	Bodaibo	93.92 329	eP	P	07 00 20.5 +1.0	KLMR	Klimovskoe	128.78 340	e		





7d 7h

TUL1	Leonard	19.97	34	eP	P	07 12 41.4 +0.4
243A	Waterproof	19.99	49	P	P	07 12 41.4 +0.2
KSCO	Kaye Shedlock	20.02	15	P	P	07 12 41.7 +0.1
KSCO	Kaye Shedlock	20.02	15	eP	P	07 12 42.1 +0.5
142A	Monroe	20.04	47	P	P	07 12 41.6 -0.1
Y40A	Okolona	20.06	42	P	P	07 12 41.9 0.0
SNET	Serv Nac Est T	20.07	104	eP	P	07 12 45.3 +3.0
NV11	Mina Array Sit	20.16	339	eP	P	07 12 44.1 +1.0
NV01	Mina Array Sit	20.20	339	eP	P	07 12 43.6 -0.1
NVAR	Mina Array Bea	20.20	339	eP	P	07 12 43.8 +0.1
NVAR	comp=Z,2um,20.6s,baz=199,slow=35				LR	07 19 43.6
ISCO	Idaho Springs	20.22	8	P	P	07 12 44.6 +0.7
ISCO	Idaho Springs	20.22	8	eP	P	07 12 45.0 +1.1
MIAR	Mount Ida	20.23	40	P	P	07 12 44.6 +0.8
MIAR	Mount Ida	20.23	40	eP	P	07 12 43.3 -0.5
445A	Amite	20.25	54	P	P	07 12 44.6 +0.6
NLU	North Lily Min	20.28	354	eP	P	07 12 45.1 +0.6
MPU	Maple Canyon	20.30	355	eP	P	07 12 45.6 +0.9
344A	Westbrook Farm	20.31	51	P	P	07 12 45.4 +0.8
O20A	White River Ci	20.33	2	P	P	07 12 45.7 +0.7
O20A	White River Ci	20.33	2	eP	P	07 12 45.7 +0.7
Y41A	Eaglehead Beard	20.40	43	P	P	07 12 46.0 +0.4
RYN	Ryan	20.46	339	eP	P	07 12 47.6 +1.2
Z42A	Norrel Spur, H	20.46	45	P	P	07 12 46.5 +0.2
546A	Slidell	20.50	56	P	P	07 12 46.5 -0.2
143A	Soos Landing,	20.50	47	P	P	07 12 46.8 0.0
W39A	Magazine	20.56	38	P	P	07 12 47.8 +0.5
W39A	Magazine	20.56	38	eP	P	07 12 47.5 +0.2
DUG	Dugway, Tooele	20.60	352	P	P	07 12 48.8 +0.8
DUG	Dugway, Tooele	20.60	352	eP	P	07 12 48.8 +0.8
CMB	Columbia Colle	20.64	334	eP	P	07 12 48.0 -0.3
244A	Avery, Jackson	20.65	50	P	P	07 12 48.6 +0.3
X40A	Basin Creek Fa	20.65	41	P	P	07 12 48.3 0.0
X40A	Basin Creek Fa	20.65	41	eP	P	07 12 48.5 +0.2
WAKR	Walker	20.67	337	eP	P	07 12 50.1 +1.3
CBKS	Cedar Bluff	20.69	21	P	P	07 12 48.0 -0.8
CBKS	Cedar Bluff	20.69	21	eP	P	07 12 48.2 -0.6
KVN	Kaiserville	20.70	340	eP	P	07 12 49.9 +0.8
RDG13	Poverty Ridge	20.72	331	eP	P	07 12 50.1 +0.9
345A	Thompson Farm,	20.76	53	P	P	07 12 49.5 -0.1
X41A	Kaden, Bauxite	20.86	42	P	P	07 12 50.1 -0.5
VBMS	Vicksburg	20.86	50	P	P	07 12 50.8 +0.2
VBMS	Vicksburg	20.86	50	eP	P	07 12 52.1 +1.4
JLU	Jordanelle	20.86	355	eP	P	07 12 51.9 +1.0
Z43A	Armstrong Fami	20.90	47	P	P	07 12 50.6 -0.4
Y42A	Garnett, Star	20.91	44	P	P	07 12 50.6 -0.6
W40A	Ferguson Farm,	20.98	40	P	P	07 12 51.3 -0.6
W40A	Ferguson Farm,	20.98	40	eP	P	07 12 53.9 +2.0
CTU	Camp Tracy	20.98	355	eP	P	07 12 52.6 +0.6
446A	Poplarville	21.02	55	P	P	07 12 52.3 -0.1
YERR	Yerrington	21.03	338	eP	P	07 12 53.7 +1.1
V39A	Pettigrew	21.09	37	P	P	07 12 52.9 -0.3
UALR	University of	21.14	42	eP	P	07 12 55.8 +2.1
144A	Alexander Plac	21.15	49	P	P	07 12 54.2 +0.4
245A	Little AP, Sta	21.22	51	P	P	07 12 54.7 +0.2
346A	Big Creek Wild	21.22	53	P	P	07 12 54.6 +0.1
PNTR	Pine Nut	21.25	337	eP	P	07 12 56.1 +1.1
N23A	Red Feather La	21.26	7	P	P	07 12 53.7 -1.5
N23A	Red Feather La	21.26	7	eP	P	07 12 55.9 +0.7
BGU	Big Grassy Mou	21.35	352	eP	P	07 12 56.4 +0.4
TCUT	Toone Canyon	21.38	355	eP	P	07 12 57.2 +0.8
RUBR	Rubicon Trail	21.42	336	eP	P	07 12 58.0 +1.1
VNCR	Virginia City	21.45	337	eP	P	07 12 58.2 +1.0
X42A	Stuttgart	21.46	43	P	P	07 12 56.7 -0.4
W41B	Gary Mavity, V	21.46	41	P	P	07 12 57.1 0.0
W41B	Gary Mavity, V	21.46	41	eP	P	07 12 56.9 -0.2
145A	Houston Renfro	21.49	50	P	P	07 12 57.1 -0.3
Z44A	Pea Ridge, Bel	21.50	47	P	P	07 12 57.5 0.0
Y43A	Makayla and Ka	21.53	45	P	P	07 12 58.0 +0.2
ELK	Elko	21.54	347	P	P	07 12 58.7 +0.5
V40A	Witts Springs	21.54	39	P	P	07 12 57.8 -0.2
V40A	Witts Springs	21.54	39	eP	P	07 12 58.9 +0.9
U39A	Green Forest	21.57	37	P	P	07 12 57.9 -0.4
447A	Lucedale	21.57	55	P	P	07 12 57.9 -0.4
T38A	Diamond	21.61	34	P	P	07 12 58.4 -0.3
AFDM	Forest Hills D	21.65	335	eP	P	07 12 59.2 +0.1
BMN	Battle Mountai	21.72	343	eP	P	07 13 00.4 +0.5
PHWY	Pilot Hill	21.72	8	eP	P	07 13 00.1 0.0
PAHR	Pah Rah Range	21.72	338	eP	P	07 13 00.9 +0.9
246A	Jackson Lee, B	21.77	52	P	P	07 13 00.3 -0.2
MCCM	Marconi Confer	21.83	330	eP	P	07 13 01.3 +0.4
HWUT	Hardware Ranch	21.87	355	eP	P	07 13 01.4 -0.3
U40A	Yellville	21.91	38	P	P	07 13 01.1 -0.8
X43A	Marvell	21.92	44	P	P	07 13 00.8 -1.2
X43A	Marvell	21.92	44	eP	P	07 13 03.0 +1.0

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V41A	Mountainview	21.93	40	P	P	07 13 01.4 -0.7
347A	Saraland	21.93	54	P	P	07 13 01.3 -0.9
RWWY	Rawlins	21.93	4	eP	P	07 13 02.1 -0.2
W42A	Bald Knob	21.98	42	P	P	07 13 00.1 -2.5
OGNE	Ogallala	22.00	15	P	P	07 13 01.3 -1.6
OGNE	Ogallala	22.00	15	eP	P	07 13 02.7 -0.2
Y44A	Strider, Charl	22.04	46	P	P	07 13 03.3 0.0
Z45A	Winona	22.07	48	P	P	07 13 03.6 -0.1
T39A	Cleburne	22.09	36	P	P	07 13 03.6 -0.2
146A	Union	22.14	51	P	P	07 13 04.0 -0.4
KSU1	Kansas State U	22.15	27	P	P	07 13 03.3 -1.2
KSU1	Kansas State U	22.15	27	eP	P	07 13 03.9 -0.6
HVU	Hansel Valley	22.16	353	eP	P	07 13 05.0 +0.3
247A	Quitman	22.18	52	P	P	07 13 05.2 +0.3
BEKR	Beckworth	22.21	337	eP	P	07 13 05.7 +0.4
448A	Bay Mettete	22.25	56	P	P	07 13 05.4 -0.2
S38A	Stockton	22.26	34	P	P	07 13 05.6 0.0
GDXM	Geysers	22.32	331	eP	P	07 13 07.7 +1.3
W43A	Forest City	22.38	43	P	P	07 13 05.3 -1.7
ORV	Oroville	22.39	334	eP	P	07 13 07.8 +0.9
X44A	Crenshaw	22.39	45	P	P	07 13 06.9 -0.2
V42A	Cord	22.41	41	P	P	07 13 06.3 -0.9
348A	Jackson	22.42	55	P	P	07 13 06.1 -1.4
Y45A	Yeager Farm, C	22.44	47	P	P	07 13 06.4 -1.2
U41A	Vio	22.45	39	P	P	07 13 08.8 +1.2
Z46A	Louisville	22.50	49	P	P	07 13 08.2 -0.1
HOPS	Hopland Field	22.60	331	eP	P	07 13 09.5 +0.2
S39A	Bolivar	22.61	34	P	P	07 13 08.3 -1.1
T40A	Mansfield	22.66	37	P	P	07 13 07.8 -2.1
R38A	Fenwick Farm,	22.68	33	P	P	07 13 08.4 -1.8
449A	Pace	22.68	57	P	P	07 13 07.9 -2.3
147A	Livingston	22.73	51	P	P	07 13 09.2 -1.5
248A	Dixon Mills	22.85	53	P	P	07 13 10.9 -1.1
U42A	Rearden	22.86	40	P	P	07 13 10.6 -1.4
X45A	UM Field Stati	22.86	46	P	P	07 13 10.9 -1.1
ESTN	Estel	22.89	103	eP	P	07 13 14.0 +1.4
OXF	Oxford	22.90	46	P	P	07 13 09.7 -2.8
V43A	Jonesboro	22.92	42	P	P	07 13 11.0 -1.7
Y46A	Houston	22.92	48	P	P	07 13 12.5 -0.3
K22A	Casper	22.94	5	P	P	07 13 12.5 -0.5
K22A	Casper	22.94	5	eP	P	07 13 12.5 -0.5
349A	Repton	22.94	55	P	P	07 13 11.3 -1.7
BW06	Boulder Array	22.94	359	P	P	07 13 11.9 -1.2
BW06	Boulder Array	22.94	359	eP	P	07 13 13.5 +0.4
PD31	Pinedale Array	22.94	359	eP	P	07 13 12.4 -0.7
PDAR	Pinedale Array	22.94	359	eP	P	07 13 11.9 -1.2
PDAR	Pinedale Array	22.94	359	eP	P	07 13 10.8 -2.3
Q37A	Longview Farm,	22.94	31	P	P	07 13 10.8 -2.1
R38A	Brewton	22.98	56	P	P	07 13 11.3 -2.0
S40A	Lebanon	22.99	36	P	P	07 13 13.3 -0.1
W44A	Shelby Farms P	22.99	44	P	P	07 13 12.0 -1.4
AHID	Auburn Hatcher	22.99	356	eP	P	07 13 13.0 -0.6
T41A	Mountainview	23.02	38	P	P	07 13 13.5 -0.2
O03D	Paynes Creek	23.14	335	P	P	07 13 14.4 -0.5
Z47A	Carrollton	23.14	50	P	P	07 13 14.4 -0.5
450A	Crestview	23.20	57	P	P	07 13 14.7 -0.9
R39A	Chumby, Stover	23.22	34	P	P	07 13 14.4 -1.4
148A	Greensboro	23.23	52	P	P	07 13 15.6 -0.4
249A	Camden	23.27	54	P	P	07 13 16.5 +0.3
EBZ	Benazer Churc	23.30	45	eP	P	07 13 14.7 -1.9
V44A	Blytheville	23.36	43	P	P	07 13 17.1 -0.1
U43A	Rector	23.38	41	P	P	07 13 17.1 -0.2
T42A	Van Buren	23.40	39	P	P	07 13 17.6 0.0
S41A	Jilco Farms,	23.40	37	P	P	07 13 17.1 -0.5
Q38A	Cooper Store, C	23.42	32	P	P	07 13 17.6 -0.1
W45A	Hickory Valley	23.42	45	P	P	07 13 17.0 -0.8
BGNE	Belgrade	23.55	21	P	P	07 13 18.0 -1.1
P37A	Lathrop	23.55	30	P	P	07 13 17.9 -1.2
REDW	Red Top Meadow	23.58	357	eP	P	07 13 18.9 -0.6
Z48A	Northport	23.60	51	P	P	07 13 18.9 -0.7
R40A	Maddies Statio	23.62	35	P	P	07 13 19.4 -0.3
PBMO	Poplar Bluff	23.63	40	eP	P	07 13 21.6 +1.7
350A	Dozier	23.64	56	P	P	07 13 18.7 -1.2
Y47A	UCPARC, Winfie	23.65	49	P	P	07 13 19.6 -0.5
SNOW	Snow King Moun	23.67	357	eP	P	07 13 20.3 -0.2
TPAW	Long Pass	23.71	357	eP	P	07 13 20.7 -0.2
149A	Jones	23.79	53	P	P	07 13 20.2 -1.3
451A	Vernon	23.80	58	P	P	07 13 20.0 -1.5
Q39A	Willow Grove F	23.80	33	P	P	07 13 21.4 -0.1
LOHW	Long Hollow	23.82	358	eP	P	07 13 21.5 -0.3
LRAL	Lakeview Retre	23.84	52	P	P	07 13 20.9 -1.0
LRAL	Lakeview Retre	23.84	52	eP	P	07 13 23.0 +1.1
FXWY	Fox Creek	23.86	357	eP	P	07 13 22.0 -0.3
U44A	Portageville	23.91	42	P	P	07 13 21.7 -0.9
V45A	Huntoldt	23.91	44	P	P	07 13 21.3 -1.2

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T43A	Greenville	23.91	40	P	P	07 13 22.1 -0.5
250A	Grady	23.92	55	P	P	07 13 22.5 -0.3
W46A	Michie	23.95	46	P	P	07 13 22.3 -0.6
MOOW	Moose Ponds	23.96	357	eP	P	07 13 23.0 -0.2
WVOR	Wild Horse Val	23.97	343	eP	P	07 13 22.8 -0.4
X47A	Russelville	23.97	48	P	P	07 13 22.7 -0.4
P38A	Dawn	23.97	31	P	P	07 13 22.2 -0.9
552A	Lynn Haven	23.99	60	P	P	07 13 21.8 -1.6
MOD	Modoc Plateau	23.99	339	eP	P	07 13 23.8 +0.3
CCM	Cathedral Cave	24.01	37	P	P	07 13 22.5 -1.0
CCM	Cathedral Cave	24.01				

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes entries like RLMT Red Lodge, S45A Carrier Mills, V48A Smith Brothers, etc.

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes entries like D35A Remer, B05A Bryant, E38A The Farm, Brul, etc.

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes entries like IL1 Eielson Array, ILAR Eielson Array, ILB Eielson Array, etc.

Summary information including NNC 07-07:15:54.61-1.0, 49.936N; 78.65E, h0km, mb3.6, mpv3.2, 10C-6D, Inner ellipse: s-maj=16.6km s-min=5.1km, az=84.0, Suspected Mining explosion., Eastern Kazakhstan. Includes a table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC.





<b>7d</b>	<b>7h</b>								
BRY	Bratogost	6.70 341	iP	Pn	07 42 14.0 +1.2				
BRY	Bratogost	6.70 341	iP	Pn	07 42 14.0 +1.2				
BRY	Bratogost	6.70 341	iP	Pn	07 42 14.0 +1.2				
ZAPS	Zavoj	6.74	7	eSn	07 42 15.2 +2.0				
ZAPS	Zavoj	6.74	7	eSn	07 42 15.2 +2.0				
SJES	Sjenica	6.76 351	ePn	Pn	07 42 12.9 -0.7				
SJES	Sjenica	6.76 351	ePn	Pn	07 42 12.9 -0.7				
SJES	Sjenica	6.76 351	ePn	Pn	07 42 12.9 -0.7				
ELL	Elmac	6.79 86	eP	Pn	07 42 16.3 +2.3				
UPM	Unac-Piva	6.89 344	iP	Pn	07 42 17.5 +2.0				
UPM	Unac-Piva	6.89 344	iP	Pn	07 42 17.5 +2.0				
UPM	Unac-Piva	6.89 344	iP	Pn	07 42 17.5 +2.0				
STON	Ston	6.91 336	ePn	Pn	07 42 13.9 -1.7				
STON	Ston	6.91 336	ePn	Pn	07 42 13.9 -1.7				
PLE	Piljevlja	6.92 347	ePn	Pn	07 42 17.5 +1.7				
PLE	Piljevlja	6.92 347	ePn	Pn	07 42 17.5 +1.7				
PLE	Piljevlja	6.92 347	ePn	Pn	07 42 17.5 +1.7				
ARM	Armutilu	7.02 53	eP	Pn	07 42 17.7 +0.6				
BOVS	Bovan	7.04 1	ePn	Pn	07 42 17.3 0.0				
BOVS	Bovan	7.04 1	ePn	Pn	07 42 17.3 0.0				
IVAS	Ivanjica	7.05 352	ePn	Pn	07 42 17.1 -0.5				
IVAS	Ivanjica	7.05 352	ePn	Pn	07 42 17.1 -0.5				
IVAS	Ivanjica	7.05 352	ePn	Pn	07 42 17.1 -0.5				
MELA	Melanica ??? S	7.10 318	AML	AML	07 43 16.4 -2.0				
MELA	comp=N,457j,m,0.8s								
MELA	comp=E,460j,m,0.6s								
MELA	comp=N,464j,m,0.7s								
MELA	comp=E,500j,m,0.5s								
MELA	comp=N,457j,m,0.8s								
MELA	comp=N,464j,m,0.7s								
MELA	comp=E,500j,m,0.5s								
BSSO	Busso	7.29 315	AML	AML					
BSSO	comp=N,173j,m,0.9s								
BSSO	comp=E,145j,m,0.9s								
BSSO	comp=N,173j,m,0.9s								
GRUS	Gruga	7.31 356	ePn	Pn	07 42 21.1 0.0				
GRUS	Gruga	7.31 356	ePn	Pn	07 42 21.1 0.0				
GRUS	Gruga	7.31 356	ePn	Pn	07 42 21.1 0.0				
BBLs	Lazi&#263;i	7.44 348	ePn	Pn	07 42 23.2 +0.3				
BBLs	Lazi&#263;i	7.44 348	ePn	Pn	07 42 23.2 +0.3				
BBLs	Lazi&#263;i	7.44 348	ePn	Pn	07 42 23.2 +0.3				
DIVS	Divibare	7.58 352	ePn	Pn	07 42 24.4 -0.5				
DIVS	Divibare	7.58 352	ePn	Pn	07 42 24.4 -0.5				
DIVS	Divibare	7.58 352	ePn	Pn	07 42 24.4 -0.5				
DIVS	Divibare	7.58 352	ePn	Pn	07 42 24.4 -0.5				
DIVS	Divibare	7.58 352	ePn	Pn	07 42 24.4 -0.5				
TRUS	Trudelj	7.67 354	ePn	Pn	07 42 25.0 -1.0				
TRUS	Trudelj	7.67 354	ePn	Pn	07 42 25.0 -1.0				
TRUS	Trudelj	7.67 354	ePn	Pn	07 42 25.0 -1.0				
TRUS	Trudelj	7.67 354	ePn	Pn	07 42 25.0 -1.0				
KUBS	Kucevo	7.82 1	ePn	Pn	07 42 26.5 -1.5				
KUBS	Kucevo	7.82 1	ePn	Pn	07 42 26.5 -1.5				
SWAZ	baz=158	8.05 154	P	S	07 42 31.5 +0.2				
SWAZ	baz=158								
TEKS	Tekeris	8.09 350	ePn	Pn	07 42 30.8 -0.9				
TEKS	Tekeris	8.09 350	ePn	Pn	07 42 30.8 -0.9				
TEKS	Tekeris	8.09 350	ePn	Pn	07 42 30.8 -0.9				
TEKS	Tekeris	8.09 350	ePn	Pn	07 42 30.8 -0.9				
FRGS	Fruska Gora	8.65 352	ePn	Pn	07 42 38.8 -0.7				
FRGS	Fruska Gora	8.65 352	ePn	Pn	07 42 38.8 -0.7				
FRGS	Fruska Gora	8.65 352	ePn	Pn	07 42 38.8 -0.7				
BLY	Banja Luka	8.78 340	ePn	Pn	07 42 40.7 -0.4				
BLY	Banja Luka	8.78 340	ePn	Pn	07 42 40.7 -0.4				
BLY	Banja Luka	8.78 340	ePn	Pn	07 42 40.7 -0.4				
BLY	Banja Luka	8.78 340	ePn	Pn	07 42 40.7 -0.4				
BZS	Buzias	9.02 1	iP	Pn	07 42 46.5 +2.0				
ARR	Arges	9.09 14	iP	Pn	07 42 47.1 +1.6				
VOIR	Voivodina	9.24 16	P	Pn	07 42 50.2 +2.6				
VOIR	Voivodina	9.24 16	P	Pn	07 42 50.2 +2.6				
VOIR	Voivodina	9.24 16	P	Pn	07 42 50.2 +2.6				
NOVLJ	Novalija	9.41 330	S	Pn	07 44 26.9 -7.4				
TIRR	Tirgusor	9.47 32	iP	Pn	07 42 52.5 +1.9				
TIRR	Tirgusor	9.47 32	iP	Pn	07 42 52.5 +1.9				
TIRR	Tirgusor	9.47 32	iP	Pn	07 42 52.5 +1.9				
TIRR	Tirgusor	9.47 32	iP	Pn	07 42 52.5 +1.9				
MLR	Muntele Rosu	9.51 19	Pn	Pn	07 42 52.8 +1.5				
MLR	comp=N,0.1nm,0.3s,ba=157,slow=13,SNR=8.4								
KEST	Kesara	9.84 269	LR	LR	07 47 30.1				
KEST	comp=N,336nm,21.7s,ba=351,slow=41								
VSL	Villasalto	9.97 291	ePn	Pn	07 42 58.8 +1.2				
VSL	Villasalto	9.97 291	ePn	Pn	07 42 58.8 +1.2				
BRI01	Briun Array S	10.08 68	ePn	Pn	07 43 00.7 +1.4				
BRI01	Briun Array S	10.08 68	ePn	Pn	07 43 00.7 +1.4				
BRI01	Briun Array S	10.08 68	ePn	Pn	07 43 00.7 +1.4				
BRTR	Briun Array B	10.08 68	Pn	Pn	07 43 00.7 +1.4				
BRTR	comp=N,0.1nm,0.3s,ba=251,slow=13,SNR=5.9								
BRTR	Briun Array B	10.08 68	iP	Pn	07 43 02.0 +2.8				
BRTR	Briun Array B	10.08 68	iP	Pn	07 43 02.0 +2.8				
TRI	Trieste	10.80 330	ePn	Pn	07 43 07.5 -1.3				
TRI	Trieste	10.80 330	ePn	Pn	07 43 07.5 -1.3				
TRI	Trieste	10.80 330	ePn	Pn	07 43 07.5 -1.3				
HFRF	Wahat Farafira	11.06 146	P	Pn	07 43 11.7 -0.9				
SOKA	Soboth	11.17 337	ePn	Pn	07 43 13.9 -0.1				
SOKA	Soboth	11.17 337	ePn	Pn	07 43 13.9 -0.1				
SOKA	Soboth	11.17 337	ePn	Pn	07 43 13.9 -0.1				
OBKA	Obir	11.18 335	iP	Pn	07 43 14.8 +0.7				
OBKA	comp=N,2.0nm,0.2s								
OBKA	comp=N,2.0nm,0.1s								
OBKA	comp=N,2.0nm,0.1s								
OBKA	comp=N,2.0nm,0.1s								
OBKA	comp=N,2.0nm,0.1s								
PSZ	Piszkesteto	11.38 355	ePn	Pn	07 43 17.4 +0.5				
PSZ	Piszkesteto	11.38 355	ePn	Pn	07 43 17.4 +0.5				
PSZ	Piszkesteto	11.38 355	ePn	Pn	07 43 17.4 +0.5				
RSH	baz=149	11.63 115	P	Pn	07 43 17.0 -3.4				
MMAI	Mount Meron Ar	11.99 103	Pn	Pn	07 43 25.8 +0.5				
MMAI	comp=N,1.7nm,0.3s,ba=316,slow=16,SNR=3.6								
KBA	Koelnbreinsper	12.10 333	ePn	Pn	07 43 27.6 +0.8				
KBA	comp=N,1.4nm,0.3s								
KBA	Koelnbreinsper	12.10 333	Pn	Pn	07 43 27.6 +0.8				
KBA	Koelnbreinsper	12.10 333	Pn	Pn	07 43 27.6 +0.8				
FUORN	Ofenpass-Fuorn	13.05 324	ePn	Pn	07 43 39.3 -0.6				
FUORN	Ofenpass-Fuorn	13.05 324	ePn	Pn	07 43 39.3 -0.6				
FUORN	Ofenpass-Fuorn	13.05 324	ePn	Pn	07 43 39.3 -0.6				
FETA	Feichten	13.13 326	eSn	Pn	07 45 56.5 -9.2				
TUE	Stuetta	13.40 321	ePn	Pn	07 43 45.1 +0.5				
TUE	Stuetta	13.40 321	ePn	Pn	07 43 45.1 +0.5				
TUE	Stuetta	13.40 321	ePn	Pn	07 43 45.1 +0.5				
TUE	Stuetta	13.40 321	ePn	Pn	07 43 45.1 +0.5				
TREC	Trest	13.43 343	AMS	AMS	07 49 40.0				
OKC	Ostrava-Krasne	13.46 351	AMS	AMS	07 49 50.0				
OKC	comp=N,2.400nm,18.6s								
MORC	Moravsky Berou	13.49 349	ePn	Pn	07 43 45.9 +0.3				
MORC	Moravsky Berou	13.49 349	ePn	Pn	07 43 45.9 +0.3				
MORC	Moravsky Berou	13.49 349	ePn	Pn	07 43 45.9 +0.3				
GEAO	GERESS Array S	13.50 338	ePn	Pn	07 43 47.2 +1.4				
GEAO	GERESS Array S	13.50 338	ePn	Pn	07 43 47.2 +1.4				
GEAO	GERESS Array S	13.50 338	ePn	Pn	07 43 47.2 +1.4				
GEAO	GERESS Array S	13.50 338	ePn	Pn	07 43 47.2 +1.4				
GERES	GERESS Array B	13.50 338	Pn	Pn	07 43 45.4 -0.5				

GERES	comp=N,2.0nm,0.3s,ba=163,slow=14,SNR=5.0								
GERES	comp=N,2.0nm,0.3s,ba=163,slow=14,SNR=5.0								
DVA	Damulesi	13.72 325	eSn	Pn	07 46 12.0 -8.0				
KHC	Kasperske Hory	13.79 338	ePn	Pn	07 44 01.5 +3.7				
KHC	Kasperske Hory	13.79 338	ePn	Pn	07 44 01.5 +3.7				
KHC	Kasperske Hory	13.79 338	ePn	Pn	07 44 01.5 +3.7				







Table with columns: ARU, comp, LR, LR, 08 48 55.1, etc. Lists various stations and their coordinates.

Table with columns: FINES, FINES Array B, 23.56 335 eP, etc. Lists various stations and their coordinates.

Table with columns: GUMT, GUMT, 0.61 43 PG, etc. Lists various stations and their coordinates.

MEX 07 08:41:16.1±0.5, 15.52N-93.62W, h2km, 4km, MD4.0, Near coast of Chiapas

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like PCIG, TGIG, CCIG.

IDC 07 08:42:02.4±7.4, 15.80S-175.94W, h0km, mb3.8/3, mb1.4/1.3, mb1m3.5/4.8, mbtm3.8/3, Error ellipse: s-maj=326.2km s-min=36.8km az=140.0, Tonga Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like WRA, ASAR, ILAR.

DDA 07 08:42:19.7, 40.00N-38.92E, h2km, M12.7, Error ellipse: s-maj=4.5km s-min=3.1km az=134.0

ISK 07 08:42:20.4, 40.03N-39.01E, h9km, ML2.5/6

ISC 07 08:42:1±1.1, 40.01N±0.03, 38.93E±0.03, h8km±12km, n24, 0±35/38, Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like KELT, KETL.

JMA 07 09:05:22.8±0.1, 37.16N±135.32E, h374km, M2.6, Sea of Japan

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like JKY, JMT, JIE, JKN, RKY.

MEX 07 09:21:05.9±0.3, 16.29N-98.23W, h23km±3km, MD3.5, Near coast of Guerrero

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like PNIG, TLIG, VHO, CAIG, HUIG, PLIG.

ISK 07 09:39:10.4, 36.93N-37.51E, h5km, ML2.4/4

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like CSEM, PLIG.

7d 10h

ellipse: s-maj=7.8km s-min=3.7km az=18.3
DDA 07 09:39:14.5,37.14N,37.45E,h7km,Ml2.9,Suspected Mining explosion.
ISC 07 09:39:13.3,1.0,37.10N,0.005:37.51E,0.03,h0km,m20, c098/36,Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like Gaziantep, Kahramanmaras, Sanliurfa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like Gumukmas, Pagerwojo, Banyuglugur, etc.

ISC/JB 07 09:45:52.0,3.24,49N,0.02:122.08E,0.02,h66km,3km, Error ellipse: s-maj=3.0km s-min=2.6km az=155.4
JMA 07 09:45:52.0,0.1,24,42N,122.05E,h7km,2km,M3.3
TAP 07 09:45:53.0,24.49N,122.00E,h3km,ML3.7,B
ISC 07 09:45:52.5,1.2,24.49N,0.03:122.08E,0.02,h67km,6km, n97,c096/167,11C-5D,Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like Eosi, Suao, Nanao, etc.

2012 MAY

Main table with columns: JYNG, Yonagunijimaku, 0.79 93 P, etc. Lists various stations and their coordinates.

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Table with columns: TWH, bzh=188, eS, Sn, etc. Lists stations like Ishigaki jima, Sshu, Hsinying, etc.

ISC/JB 07 09:46:22.0,4.0,7.0,76N,0.06:98.45E,0.06,h100km, mb3.4/3, Error ellipse: s-maj=10.5km s-min=6.4km az=138.2
DJA 07 09:46:24.0,0.5,1,1N,4.9,8E, h65km,13km,M3.5/8, MLV3.5/8

ISC 07 09:46:28.6,6.4,0.94N,99.12E,h97km,42km,mb3.1/3, mb1.3/3,mb1mx2.9/68,mbtmp3.4/3, Error ellipse: s-maj=130.3km s-min=21.7km az=57.0
ISC 07 09:46:24.2,1.1,0.71N,0.07:98.44E,0.07,h100km,n11, c2847/14,mb3.4/3,Northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like GSI, Mandailing Nat, Saibai, etc.

ISC 07 09:55:50.0,1.2,5.08N,92.69E,h0km,mb3.6/7, mb1.3,3/10,mb1mx3.6/65,mbtmp3.7/10,ML4.2/1, Error ellipse: s-maj=37.5km s-min=18.1km az=48.0
ISC/JB 07 09:55:51.8,0.8,5.1N,0.1:92.7E,0.1,h27km,mb3.7/7, Error ellipse: s-maj=21.2km s-min=11.7km az=32.8
ISC 07 09:55:54.2,1.0,5.2N,0.1:92.7E,0.1,h27km,n13, c095/10,mb3.8/7,Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like PSI, Palk, CMAR, etc.

VIE 07 10:00:13.0,0.5,50.12N,12.53E,h0km,mb2.2/3,ml2.7/3, Error ellipse: s-maj=8.3km s-min=2.9km az=51.0 13 km
CSE of Kingenthal Suspected Mining explosion.
ISC 07 10:00:15.1,2.8,50.07N,0.09:12.7E,0.1,h0km,n4, c1507/6,Germany

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like KSP, CONA, KBA, etc.

WBNET 07 10:03:20.1,50.26N,12.44E,h9km,Ml0.5,7C-5D, German
Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like KSP, CONA, KBA, etc.











GNBR	1µm,0.8s	iSg	Sn	14 15 44.9 +0.1	GMRZ	1S	Sb	14 16 25.0 +1.3	SVAN	Silvan-Diyarba	5.42 233	eP	Pn	14 16 42.2 +7.1	
GNBR	Gunib	0.86 14 11	iPG	14 15 32.1 -0.4	SBZ	Shahbuz	2.32 202	USn	14 16 24.4 -0.4	SOC	Sochi	5.54 294	eP	Pn	14 16 37.9 +1.3
GNBR			iS	14 15 44.9 +0.1	BGD	Bogdanovka	2.34 264	P	14 15 54.3 +1.4	SOC	Sochi	5.54 294	eP	Pn	14 16 37.9 +1.3
	comp=Z,1µm,0.8s		pmax		BGD	Bogdanovka	2.34 264	P	14 15 24.5 +1.4	SOC	Sochi				
URKR	Urkarakh	0.94 49	iPG	14 15 33.0 -0.6	BGD	Bogdanovka	2.34 264	P	14 15 54.3 +1.4	SOC	Sochi				
URKR			iSg	14 15 47.0 +0.3	ALIB	A&umil-i-Bayra	2.37 311	USg	14 16 30.2 -0.9	SOC	Sochi				
URKR	Urkarakh	0.94 49	iPG	14 15 33.0 -0.6	AKH	Akhalkalaki	2.40 268	eP	14 15 57.3 -0.6	SOC	Sochi				
URKR			iS	14 15 47.0 +0.3	AKH	Akhalkalaki	2.40 268	P	14 15 55.2 +1.4	SOC	Sochi				
GANJ	Ganja	0.94 197	iPG	14 15 32.3 -0.6	AKH	Akhalkalaki	2.40 268	ePn	14 15 26.4 -1.0	SOC	Sochi				
GANJ			iS	14 15 47.0 +0.3	AKH	Akhalkalaki	2.40 268	ePn	14 15 55.2 +1.4	SOC	Sochi				
GANJ	Ganja	0.94 197	iPG	14 15 32.3 -0.6	AKH	Akhalkalaki	2.40 268	ePn	14 15 26.4 -1.0	SOC	Sochi				
GANJ			iS	14 15 47.0 +0.3	AKH	Akhalkalaki	2.40 268	ePn	14 15 55.2 +1.4	SOC	Sochi				
DGRG	David-gareji	0.99 265	iPG	14 15 33.6 -0.1	AKH	Akhalkalaki	2.40 268	iPn	14 15 26.4 -1.0	SOC	Sochi				
DGRG			iS	14 15 46.7 +0.1	AKH	Akhalkalaki	2.40 268	iPn	14 15 55.2 +1.4	SOC	Sochi				
DGRG	David-gareji	0.99 265	iPG	14 15 33.6 -0.1	AKH	Akhalkalaki	2.40 268	iPn	14 15 26.4 -1.0	SOC	Sochi				
DGRG			iS	14 15 46.7 +0.1	AKH	Akhalkalaki	2.40 268	iPn	14 15 55.2 +1.4	SOC	Sochi				
DGRG	David-gareji	0.99 265	iPG	14 15 33.6 -0.1	AKH	Akhalkalaki	2.40 268	iPn	14 15 26.4 -1.0	SOC	Sochi				
DGRG			iS	14 15 46.7 +0.1	AKH	Akhalkalaki	2.40 268	iPn	14 15 55.2 +1.4	SOC	Sochi				
XNZR	Khunzakh	0.99 1	ePG	14 15 34.1 -0.3	ARNR	Ardon	2.42 313	eS	14 16 32.0 -0.5	SVRC	Sivrice-ELAZID	6.49 243	eP	Pn	14 16 56.5 +6.5
XNZR			eSg	14 15 49.2 +1.1	ARNR	Ardon	2.42 313	eS	14 16 00.0 -1.2	CHTH	Charan	6.61 147	ePn	Pn	14 16 33.1 +1.3
XNZR	Khunzakh	0.99 1	ePG	14 15 34.1 -0.3	ARNR	Ardon	2.42 313	eS	14 16 32.0 -0.5	CHTH	Charan	6.61 147	ePn	Pn	14 16 33.1 +1.3
XNZR			eSg	14 15 49.2 +1.1	ARNR	Ardon	2.42 313	eS	14 16 00.0 -1.2	CHTH	Charan	6.61 147	ePn	Pn	14 16 33.1 +1.3
QBL	Gabala	1.05 124	iPG	14 15 34.8 0.0	BTKR	Batakoyurt	2.42 320	ePn	14 15 58.8 +0.8	MALT	Malatya	7.12 246	eP	Pn	14 17 04.9 +6.4
QBL			iS	14 15 50.1 +0.6	BTKR	Batakoyurt	2.42 320	ePn	14 16 29.4 +1.8	URFA	Urfa	7.33 239	eP	Pn	14 17 07.8 +6.4
ARAKL	Arakani	1.08 12	iPG	14 15 36.0 +0.6	TASS	TASSURUN-IGDIR	2.43 231	eP	14 15 57.7 -0.6	ASAO	Ashtian	7.47 158	ePn	Pn	14 17 05.1 +1.7
ARAKL			iSg	14 15 50.1 +0.6	KORR	Kora	2.48 309	ePn	14 15 58.6 -0.5	AAAO	Ashtian	7.47 158	ePn	Pn	14 17 05.1 +1.7
ARAKL	Arakani	1.08 12	iPG	14 15 36.0 +0.6	KORR	Kora	2.48 309	ePn	14 15 58.6 -0.5	ANN	Ann	7.50 299	eP	Pn	14 17 05.0 +1.4
ARAKL			iSg	14 15 50.1 +0.6	KORR	Kora	2.48 309	ePn	14 15 58.6 -0.5	ANN	Ann	7.50 299	eP	Pn	14 17 05.0 +1.4
KSMR	Kasumkent	1.08 87	iPG	14 15 35.0 -0.3	EAK	Akyaka	2.48 251	iP	14 15 55.1 +0.3	ANN	Ann				
KSMR			iSg	14 15 50.1 +0.6	EAK	Akyaka	2.48 251	iP	14 15 54.9 0.0	ANN	Ann				
KSMR	Kasumkent	1.08 87	iPG	14 15 35.0 -0.3	EAK	Akyaka	2.48 251	iP	14 15 54.9 0.0	ANN	Ann				
KSMR			iSg	14 15 50.1 +0.6	EAK	Akyaka	2.48 251	iP	14 15 54.9 0.0	ANN	Ann				
OZXX	Ozax, Azerbai	1.11 244	iPG	14 15 35.7 -0.2	EAK	Akyaka	2.48 251	iP	14 15 54.9 0.0	ANN	Ann				
OZXX			iS	14 15 50.1 +0.6	EAK	Akyaka	2.48 251	iP	14 15 54.9 0.0	ANN	Ann				
XNQ	Khinaliq	1.16 109	iPG	14 15 36.7 +0.1	IGDI	IGDIR	2.60 231	iP	14 15 57.4 +1.1	ANN	Ann				
XNQ			iS	14 15 52.9 +0.7	IGDI	IGDIR	2.60 231	iP	14 16 31.0 -1.9	ANN	Ann				
XNQ	Khinaliq	1.16 109	iPG	14 15 36.7 +0.1	IGDI	IGDIR	2.60 231	iP	14 16 31.0 -1.9	ANN	Ann				
XNQ			iS	14 15 52.9 +0.7	IGDI	IGDIR	2.60 231	iP	14 16 31.0 -1.9	ANN	Ann				
SGKR	Sergokala	1.16 38	iPG	14 15 37.0 -0.4	TRKR	Terskaya	2.61 327	iPn	14 16 00.2 -1.1	SVSK	Karacayir	7.54 261	eP	Pn	14 17 09.6 +5.5
SGKR			iSg	14 15 52.9 +0.7	TRKR	Terskaya	2.61 327	iPn	14 16 34.8 +1.7	DARE	Darende-Malaty	7.66 250	eP	Pn	14 17 11.9 +6.0
SGKR	Sergokala	1.16 38	iPG	14 15 37.0 -0.4	TRKR	Terskaya	2.61 327	iPn	14 16 00.2 -1.1	GHVR	GHOM	7.94 151	ePn	Pn	14 17 10.6 +0.9
SGKR			iSg	14 15 52.9 +0.7	TRKR	Terskaya	2.61 327	iPn	14 16 34.8 +1.7	GHVR	GHOM	7.94 151	ePn	Pn	14 17 10.6 +0.9
BTLR	Botlikh	1.17 343	iPG	14 15 37.2 -0.3	ONi	Oni	2.62 294	P	14 15 58.8 +2.1	MVTV	Maraveh tapeh	8.23 115	ePn	Pn	14 17 13.1 -0.6
BTLR			iSg	14 15 53.5 +1.2	ONi	Oni	2.62 294	P	14 16 34.1 +0.5	MRVT	Maraveh tapeh	8.23 115	ePn	Pn	14 17 12.8 -0.9
BTLR	Botlikh	1.17 343	iPG	14 15 37.2 -0.3	ONi	Oni	2.62 294	P	14 15 58.8 +2.1	MRVT	Maraveh tapeh	8.23 115	ePn	Pn	14 17 12.8 -0.9
BTLR			iSg	14 15 53.5 +1.2	ONi	Oni	2.62 294	P	14 16 34.1 +0.5	MRVT	Maraveh tapeh	8.23 115	ePn	Pn	14 17 12.8 -0.9
UNCR	Uncukul	1.17 4	ePG	14 15 37.0 -0.5	ONi	Oni	2.62 294	P	14 15 58.8 +2.1	KNMRS	Kahramanmaras	8.57 245	eP	Pn	14 17 24.4 +6.1
UNCR			eSg	14 15 53.5 +1.2	ONi	Oni	2.62 294	P	14 16 34.1 +0.5	SNOP	Shirvan	8.59 277	eP	Pn	14 17 21.6 +3.0
UNCR	Uncukul	1.17 4	ePG	14 15 37.0 -0.5	ONi	Oni	2.62 294	P	14 15 58.8 +2.1	SNM	Shirvan	8.73 270	eP	Pn	14 17 25.6 +5.3
UNCR			eSg	14 15 53.5 +1.2	ONi	Oni	2.62 294	P	14 16 34.1 +0.5	YOZ	Yozgat	8.86 261	eP	Pn	14 17 27.1 +4.8
QSR	Qusar	1.18 91	iPG	14 15 37.6 -0.2	GLBA	Cilabab	2.65 150	iPn	14 15 58.8 +2.1	BJRD	Bojnurd	9.12 111	ePn	Pn	14 17 25.5 -0.4
QSR			iSg	14 15 53.5 +1.2	GLBA	Cilabab	2.65 150	iPn	14 16 32.2 -1.9	BJRD	Bojnurd	9.12 111	ePn	Pn	14 17 25.5 -0.4
QSR	Qusar	1.18 91	iPG	14 15 37.6 -0.2	GLBA	Cilabab	2.65 150	iPn	14 15 58.8 +2.1	BJRD	Bojnurd	9.12 111	ePn	Pn	14 17 25.5 -0.4
QSR			iSg	14 15 53.5 +1.2	GLBA	Cilabab	2.65 150	iPn	14 16 32.2 -1.9	BJRD	Bojnurd	9.12 111	ePn	Pn	14 17 25.5 -0.4
KRNR	Karanay	1.29 7	iPG	14 15 37.6 -0.2	STDR	Stavd-Durt	2.66 314	ePn	14 16 01.3 -0.9	SHRO	Shahrood	9.15 124	ePn	Pn	14 17 25.9 -0.5
KRNR			iSg	14 15 53.5 +1.2	STDR	Stavd-Durt	2.66 314	ePn	14 16 32.2 -1.9	STDR	Stavd-Durt	9.15 124	ePn	Pn	14 17 25.9 -0.5
KRNR	Karanay	1.29 7	iPG	14 15 37.6 -0.2	STDR	Stavd-Durt	2.66 314	ePn	14 16 01.3 -0.9	STDR	Stavd-Durt	9.15 124	ePn	Pn	14 17 25.9 -0.5
KRNR			iSg	14 15 53.5 +1.2	STDR	Stavd-Durt	2.66 314	ePn	14 16 32.2 -1.9	STDR	Stavd-Durt	9.15 124	ePn	Pn	14 17 25.9 -0.5
BUJR	Buynask	1.31 14	iPG	14 15 40.2 0.0	ORD	Ordubad	2.67 192	iPn	14 15 59.5 +2.2	CORM	Corum	9.24 265	eP	Pn	14 17 31.9 +4.3
BUJR			iSg	14 15 56.0 +3.9	ORD	Ordubad	2.67 192	iPn	14 16 33.5 -1.4	KOZT	Kozan	9.32 248	eP	Pn	14 17 34.4 +5.8
BUJR	Buynask	1.31 14	iPG	14 15 40.2 0.0	ORD	Ordubad	2.67 192	iPn	14 15 59.5 +2.2	BZK	Bozkurt	9.49 277	eP	Pn	14 17 39.9 +3.0
BUJR			iSg	14 15 56.0 +3.9	ORD	Ordubad	2.67 192	iPn	14 16 33.5 -1.4	GEYT	Geysu	9.52 109	eP	Pn	14 17 29.4 -1.8
DRN	Derbent	1.32 68	ePG	14 15 40.5 +0.2	MAKU	Maku	2.67 216	ePn	14 16 30.0 -0.9	GEYT	Geysu	9.52 109	eP	Pn	14 17 29.4 -1.8
DRN			eSg	14 15 56.0 +3.9	MAKU	Maku	2.67 216	ePn	14 16 30.0 -0.9	GEYT	Geysu	9.52 109	eP	Pn	14 17 29.4 -1.8
DRN	Derbent	1.32 68	ePG	14 15 40.5 +0.2	MAKU	Maku	2.67 216	ePn	14 16 30.0 -0.9	GEYT	Geysu	9.52 109	eP	Pn	14 17 29.4 -1.8
DRN			eSg	14 15 56.0 +3.9	MAKU	Maku	2.67 216	ePn	14 16 30.0 -0.9	GEYT	Geysu	9.52 109	eP	Pn	14 17 29.4 -1.8
BRD	Brd	1.34 164	iPG	14 15 40.2 +0.6	DIGR	Digorskoe uzhe	2.67 301	ePn	14 16 00.2 -0.4	GEYT	Geysu	9.52 109	eP	Pn	14 17 29.4 -1.8
BRD			iSg	14 15 56.0 +3.9	DIGR	Digorskoe uzhe	2.67 301	ePn	14 16 00.2 -0.4	GEYT	Geysu	9.52 109	eP	Pn	14 17 29.4 -1.8
BRD	Brd	1.34 164	iPG	14 15 40.2 +0.6	DIGR	Digorskoe uzhe	2.67 301	ePn	14 16 00.2 -0.4	GEYT	Geysu	9.52 109	eP	Pn	14 17 29.4 -1.8
BRD			iSg	14 15 56.0 +3.9	DIGR	Digorskoe uzhe	2.67 301	ePn	14 16 00.2 -0.4	GEYT	Geysu	9.52 109	eP	Pn	14 17 29.4 -1.8
IML	Ismayilli	1.36 123	iPG	14 15 39.7 -0.3	DIGR	Digorskoe uzhe	2.67 301	ePn	14 16 30.0 -0.9	GEYT	Geysu	9.52 109	eP	Pn	14 17 29.4 -1.8
IML			iSg	14 15 56.0 +3.9	DIGR	Digorskoe uzhe	2.67 301								

7d 14h

2012 MAY

Table with columns: Station ID, Name, Frequency, Power, Modulation, Bandwidth, and other technical details. Includes stations like AB31 Akbulak array, CSS Mathiatis, TLB Topalu, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, Bandwidth, and other technical details. Includes stations like HUMR Humele, VOIR VOIR, LIA Limnos Island, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, Bandwidth, and other technical details. Includes stations like MNK comp=E,350nm,1.2s, MNK comp=Z,330nm,1.5s, etc.



2012 MAY

7d 14h

Table with columns for station name, frequency, power, and other technical details. Includes stations like SATY, FIA1, FINES, OBKA, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like RBK, BSD, ABTA, CLL, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ZALV, Zalesovo Beam, Zalesovo Array B, etc.

LFF	La Frestale	33.30 292	eP	P	14 21 51.9	+0.3
LFF	comp=Z,86nm,1.4s			pmax		
HVS	Khovu-Aksy	33.33 57	iP	P	14 21 53.1	+1.2
HVS	comp=Z,83nm,1.0s			pmax		
GKN	Gorkha	33.70 101	eP	P	14 21 56.1	+0.6
GKN	comp=Z,281nm,0.8s					
ABA	Alger-Bouzarea	33.90 277	P	P	14 21 52.0	-5.0
ABA	Alger-Bouzarea	33.90 277	P	P	14 21 52.0	-5.0
EMHD	Djebel Mahouad	34.19 276	P	P	14 21 59.1	-0.5
EMHD	Djebel Mahouad	34.19 276	P	P	14 21 59.1	-0.5
DMN	Daman	34.26 102	eP	P	14 22 01.4	+0.9
KKN	Kakani	34.29 101	eP	P	14 22 01.4	+0.7
KKN	comp=Z,383nm,1.2s					
PKIN	Phulchoki	34.49 101	eP	P	14 22 03.2	+0.7
PKIN	comp=Z,262nm,1.0s					
KLRI	Killari	34.65 123	eP	P	14 22 04.0	+0.4
GUN	Gumba	34.66 101	eP	P	14 22 04.9	+0.8
GUN	comp=Z,530nm,1.1s					
JIRN	Jiri	35.03 101	eP	P	14 22 08.4	+1.1
JIRN	comp=Z,535nm,0.7s					
EKA	Eskailemür Ar	35.03 310	P	P	14 22 06.0	-0.5
EKA	comp=Z,31nm,1.1s,baz=85,slow=2.8,SNR=22					
EKA	comp=Z,2,um,18.8s,baz=98,slow=2.8,SNR=8.3					
EKA	Eskailemür Ar	35.03 310	P	P	14 22 06.0	-0.5
EKA	comp=Z,17nm,0.8s			pmax		
EKA	comp=Z,2,um,18.8s			MLR		
ESK	Eskailemür Ar	35.06 310	eP	P	14 22 06.5	-0.2
ESK	comp=Z,231nm,1.7s			LR		
ESK	Eskailemür	35.06 310	eP	P	14 22 06.5	-0.2
ESK	comp=Z,3,um,19.0s			pmax		
ESK	comp=Z,231nm,1.7s			MLR		
SRSP	Sriramsagar	35.13 120	eP	P	14 22 07.7	-0.1
ANR	Ain N'Sour	35.67 276	eP	P	14 22 11.8	-0.5
ANR	Ain N'Sour	35.67 276	eP	P	14 22 11.8	-0.5
ETRT	Tiaret	35.74 275	eP	P	14 22 12.1	-0.9
KNGR	Kungurtug, Tuv	35.77 58	iP	P	14 22 13.9	+0.8
RPR	Rampur	35.80 119	eP	P	14 22 13.8	+0.3
HYB	Hyderabad (bro	36.37 122	eP	P	14 22 18.7	+0.3
HYB	Hyderabad	36.37 122	iP	P	14 22 19.0	+0.6
HYB	comp=Z,130nm,1.0s			ePP		
CART	Cartagena	36.61 280	eP	P	14 22 23.5	+3.2
CART	comp=Z,37nm,0.9s					
URV	Urvakonda	37.44 126	eP	P	14 22 27.6	+0.1
NKS	Nagarjunasagar	37.49 122	eP	P	14 22 27.8	+0.1
SRLM	Srisailem	37.57 123	eP	P	14 22 29.3	+0.7
LSA	Lhasa	37.64 94	P	P	14 22 31.1	+1.4
LSA	comp=Z,62nm,0.8s			pmax		
LSA	comp=Z,500nm,19.5s			LR		
LSA	comp=Z,740nm,14.1s			LR		
LSA	comp=Z,1,um,18.9s			LR		
LSA	Lhasa	37.64 94	eP	P	14 22 29.8	+0.1
LSA	comp=Z,42nm,0.8s			LR		
LSA	comp=Z,1,um,20.0s			LR		
LSA	Lhasa	37.64 94	eP	P	14 22 29.8	+0.1
LSA	comp=Z,42nm,0.8s			pmax		
LSA	comp=Z,1,um,20.0s			MLR		
MOY	Mondy	37.84 56	eP	P	14 22 32.2	+1.5
MOY	comp=Z,20nm,1.8s			pmax		
HSPB	Hornsund (broa	37.91 349	eP	P	14 22 30.2	+1.2
HSPB	comp=Z,4,um,15.2s			eS		
HSPB	comp=Z,2,um,19.0s			MLR		
ES19	SONSECA Array	37.99 284	eP	P	14 22 31.2	-0.8
ESDC	Sonsec Array	38.05 284	P	P	14 22 31.9	-0.7
ESDC	comp=Z,46nm,0.9s,baz=85,slow=8.6,SNR=84					
ESDC	comp=Z,4,2nm,0.8s,baz=56,slow=6.5,SNR=5.3			PcP		
ESLA	Sonsec Array	38.05 284	eP	P	14 22 31.4	-1.2
PAB	San Pablo	38.37 284	eP	P	14 22 34.4	-0.9
PAB	comp=Z,54nm,1.0s			LR		
PAB	comp=Z,777nm,19.0s			LR		
PAB	San Pablo	38.37 284	eP	P	14 22 34.4	-0.9
PAB	comp=Z,53nm,1.0s			pmax		
PAB	comp=Z,777nm,19.0s			MLR		
ADKI	Addanki	38.44 122	eP	P	14 22 35.9	0.0
PVM	Polavaram	38.49 118	eP	P	14 22 36.3	0.0
SPAO	Spitsbergen Ar	38.73 350	eP	P	14 22 37.9	+0.2
SPITS	Spitsbergen Ar	38.73 350	P	P	14 22 38.3	+0.6
MELI	Melilla	38.94 277	eP	P	14 22 36.5	-3.5
TAM	Tamanrasset	39.11 254	eP	P	14 22 42.6	+0.9
TAM	comp=Z,54nm,0.8s			LR		
TAM	comp=Z,462nm,19.0s			LR		
CHLP	Challavanipeta	39.24 114	eP	P	14 22 42.6	0.0
PBRG	Braganca	39.36 289	eP	P	14 22 44.0	+0.5
PBRG	comp=Z,76nm,1.5s					
VAL	Valentia	39.42 305	eP	P	14 22 47.6	-0.9
ZAK	Zakamensk	39.45 57	eP	P	14 22 45.6	+1.4
ZAK	comp=Z,29nm,1.5s			pmax		
ZAK	comp=Z,26nm,1.4s			pmax		
TLY	Talaya	39.48 55	eP	P	14 22 45.4	+1.1
TLY	comp=Z,36nm,1.0s			LR		
TLY	Talaya	39.48 55	iP	P	14 22 45.8	+1.5
TLY	comp=Z,1,um,19.0s			eS		
TLY	Talaya	39.48 55	eP	P	14 24 18.5	
TLY	comp=Z,39nm,0.9s			pmax		
TLY	comp=Z,2,um,16.0s			MLR		
MVO	Moncorvo	39.77 288	eP	P	14 22 47.3	+0.4
MVO	comp=Z,63nm,1.2s					
KBS	Kingsbay	39.87 350	eP	P	14 22 50.8	-1.1
KBS	comp=Z,44nm,1.0s			LR		
KBS	Kingsbay	39.87 350	eP	P	14 22 46.5	-0.7
KBS	comp=Z,44nm,1.0s			LR		
KBS	comp=Z,444nm,21.0s			pmax		
KBS	comp=Z,44nm,1.0s			MLR		
SKHT	Srikalahasti	39.87 124	eP	P	14 22 48.4	+0.5
GTA	Gaotai	39.94 75	iP	P	14 22 49.7	+1.2
GTA	comp=Z,5,um,14.1s			pP		
GTA	comp=Z,2,um,16.0s			pP		
GTA	comp=Z,77nm,1.2s			PP		
GTA	comp=Z,5,um,14.1s			ScP		
GTA	comp=Z,2,um,16.0s			S		
GTA	comp=Z,57nm,1.2s			sS		
GTA	comp=Z,320nm,6.3s			pmax		

GTA	comp=Z,3,um,17.6s			LR		
GTA	comp=Z,2,um,20.1s			LR		
GTA	comp=Z,2,um,14.3s			LR		
JMJC	Jan Mayen	40.12 335	LR	LR	14 39 44.1	
PVRL	Vila Real	40.22 288	eP	P	14 22 50.6	-0.1
PVRL	comp=Z,931nm,18.3s,baz=84,slow=37					
POLO	Lamas de Olo	40.25 289	eP	P	14 22 54.5	-1.2
POLO	comp=Z,32nm,1.6s					
POLO	Lamas de Olo	40.25 289	eP	P	14 22 51.1	+0.2
POLO	comp=Z,32nm,1.6s					
PCAB	Cabril	40.30 289	eP	P	14 22 55.0	-0.9
PCAB	comp=Z,88nm,1.5s					
MTE	Manteigas	40.39 287	eP	P	14 22 55.6	-0.7
MTE	comp=Z,99nm,0.9s			A		
MTE	comp=Z,1,um,21.0s			LR		
MTE	Manteigas	40.39 287	eP	P	14 22 52.0	-0.1
MTE	comp=Z,180nm,1.3s					
MTE	Manteigas	40.39 287	eP	P	14 22 52.9	+0.8
MTE	comp=Z,1,um,21.0s					
PGAV	Gavireira, Arco	40.39 290	eP	P	14 22 56.5	-0.6
PGAV	comp=Z,165nm,1.8s					
PGAV	Shillong	40.42 99	eP	P	14 22 53.3	+1.1
SHL	Shillong	40.42 99	eP	P	14 22 56.5	-0.7
SHL	comp=Z,334nm,1.3s					
SHL	Shillong	40.42 99	eP	P	14 22 50.5	-2.1
SHL	comp=Z,234nm,1.3s					
SHL	Shillong	40.42 99	eP	P	14 22 50.5	-2.1
SHL	comp=Z,234nm,1.3s			pmax		
PVIS	Visou	40.54 288	eP	P	14 22 53.8	+0.5
PVIS	comp=Z,107nm,1.6s					
PCBR	Castelo Branco	40.54 286	eP	P	14 22 57.3	-1.0
PCBR	comp=Z,97nm,2.0s					
PMRV	Marv??o	40.62 286	eP	P	14 22 57.2	-1.0
PMRV	comp=Z,121nm,1.3s					
PMRV	Barrancos	40.83 284	eP	P	14 22 54.1	-0.9
PMRV	comp=Z,157nm,2.1s					
PBAR	San Fernando	40.88 281	eP	P	14 22 58.2	-0.4
PBAR	comp=Z,106nm,1.0s					
SFS	San Fernando	40.88 281	eP	P	14 22 59.2	-1.5
SFS	comp=Z,106nm,1.0s					
SFS	San Fernando	40.88 281	eP	P	14 22 56.6	+0.5
SFS	comp=Z,106nm,1.0s					
PTO	Porto	40.90 288	eP	P	14 22 55.8	-0.4
PTO	comp=Z,121nm,1.4s					
PTO	Porto	40.90 288	eP	P	14 22 58.0	+1.8
PTO	comp=Z,141nm,1.4s					
PESTR	Estremoz	40.97 285	eP	P	14 23 01.3	+0.1
PESTR	comp=Z,80nm,1.0s					
PESTR	Estremoz	40.97 285	eP	P	14 22 56.5	-0.4
PESTR	comp=Z,216nm,1.4s					
PESTR	Coimbra	41.08 287	eP	P	14 22 56.9	+0.1
COI	Casmilo, Conde	41.20 287	eP	P	14 23 00.2	-0.3
COI	comp=Z,121nm,1.5s					
PCAS	Casmilo, Conde	41.20 287	eP	P	14 22 59.4	+0.7
PCAS	comp=Z,121nm,1.5s					
PTOM	Tomar	41.29 286	eP	P	14 23 04.7	-1.0
PTOM	comp=Z,244nm,1.3s					
PTOM	Montargil	41.35 285	eP	P	14 23 04.4	+1.0
PTOM	comp=Z,113nm,1.6s					
PMTG	Evora	41.40 285	eP	P	14 23 03.8	-1.2
PMTG	comp=Z,57nm,2.2s					
EVO	Beja	41.49 284	eP	P	14 23 00.5	+0.1
EVO	comp=Z,95nm,1.7s					
PBEJ	Almeirim	41.58 286	eP	P	14 23 01.1	0.0
PBEJ	comp=Z,102nm,1.0s					
ALMR	Almeirim	41.58 286	eP	P	14 23 04.9	-1.2
ALMR	comp=Z,102nm,1.0s					
ALMR	Almeirim	41.58 286	eP	P	14 23 01.9	+0.1
ALMR	comp=Z,238nm,1.1s					
ALMR	Vaqueiros	41.62 283	eP	P	14 23 01.9	+0.1
ALMR	comp=Z,97nm,1.9s					
PVAO	Castro Verde	41.77 283	eP	P	14 23 06.1	-0.7
PVAO	comp=Z,99nm,1.7s					
PCVE	Messejana	41.82 284	eP	P	14 23 06.0	-1.2
PCVE	comp=Z,99nm,1.7s					
MESJ	Messejana	41.82 284	eP	P	14 23 03.7	+0.4
MESJ	comp=Z,99nm,1.7s					
MESJ	Barranco-do-Ve	41.84 283	eP	P	14 23 04.1	+0.3
MESJ	comp=Z,116nm,2.0s					
PBDV	Nicolau / Gran	41.94 284	eP	P	14 23 08.3	
PBDV	comp=Z,88nm,1.7s					
PNCL	Songio Array	41.98 60	eP	P	14 23 01.1	0.0
SONM	Songio Array	41.98 60	eP	P	14 23 05.4	+0.2
SONM	comp=Z,5,0nm,0.6s,baz=275,slow=9.9,SNR=20					
SONM	comp=Z,1,um,18.9s,baz=282,slow=36					
SONM	Songio Array	41.98 60	eP	P	14 40 43.6	
LIS	Lisbon	42.16 285	eP	P	14 23 04.7	-0.5
LIS	comp=Z,178nm,0.8s					
LIS	Lisbon	42.16 285	eP	P	14 23 06.8	+0.3
LIS	comp=Z,178nm,0.8s					
PTEO	Sao Teotonio	42.30 284	eP	P	14 23 08.4	+0.2
PTEO	comp=Z,128nm,2.2s					
PTEO	Marlelete	42.34 283	eP	P	14 23 06.8	+0.3
PTEO	comp=Z,83nm,2.3s					
MORF						



7d 14h

2012 MAY

Table with columns for station code, name, frequency, power, and various signal quality metrics (e.g., SNR, SNR=13, SNR=12).

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7d 14h

2012 MAY

O56A	Blue Knob Stat comp=Z,44nm,1.0s	84.61 321	eP	P	14 27 47.4	-0.2	M46A	Old House Fiel baz=33	87.13 327	P	P	14 28 00.2	+0.2	O43A	Sugar Creek Fa baz=31	89.28 328	P	P	14 28 10.0	-0.2
E38A	The Farm, Brul baz=30,SNR=13	84.69 333	P	P	14 27 48.0	+0.2	F32A	Veblen baz=26	87.17 336	P	P	14 28 00.4	+0.3	P45A	Graceland, Pa baz=30	89.29 326	P	P	14 28 10.3	0.0
N54A	Moraine State baz=37	84.72 322	P	P	14 27 48.5	+0.4	J40A	Soldiers Grove baz=30	87.17 330	P	P	14 28 00.2	+0.1	K35A	Storm Lake baz=28	89.36 333	P	P	14 28 10.2	-0.4
N54A	Moraine State comp=Z,80nm,1.6s	84.72 322	eP	P	14 27 47.8	-0.4	K42A	Prairie Point, baz=31	87.17 329	P	P	14 28 00.2	+0.1	M39A	Webster baz=30	89.36 330	P	P	14 28 10.6	+0.1
B32A	Ashes, Strandq baz=27,SNR=26	84.73 336	P	P	14 27 48.6	+0.6	I38A	Scanlan Farm, baz=29,SNR=8.0	87.19 332	P	P	14 28 00.6	+0.4	SCIA	State Center baz=29	89.36 331	P	P	14 28 10.9	+0.4
G42A	Mountain baz=32,SNR=1.6	84.73 330	eP	P	14 27 48.9	+0.9	SOEI	Soe comp=Z,136nm,0.9s	87.25 105	eP	P	14 28 00.6	-0.5	SCIA	State Center baz=29	89.36 331	eP	LR	14 28 10.1	-0.5
G42A	Mountain comp=Z,53nm,1.1s	84.73 330	eP	P	14 27 48.4	+0.4	G34A	Benson baz=27	87.25 334	P	P	14 28 01.1	+0.5	NEW	Newport comp=Z,679nm,22.0s	89.43 349	eP	LR	14 28 12.1	+1.3
D36A	Goodland baz=29,SNR=7.1	84.74 334	P	P	14 27 48.5	+0.5	H36A	Jessenland, He baz=28	87.27 333	P	P	14 28 01.5	+0.9	L37A	Phoenix Point, baz=28	89.37 332	P	P	14 28 10.2	-0.4
F40A	Park Falls baz=31,SNR=16	84.77 331	P	P	14 27 48.7	+0.4	JFWS	Jewell Farm comp=Z,34nm,1.0s	87.40 330	eP	P	14 28 01.3	+0.1	J33A	Davis baz=26	89.40 334	P	P	14 28 10.9	+0.1
C34A	RK Ranch, Bem baz=28	84.89 335	P	P	14 27 49.0	+0.2	JFWS	Jewell Farm comp=Z,764nm,19.0s	87.40 330	eP	P	14 28 01.6	+0.3	NEW	Newport comp=Z,134nm,1.0s	89.43 349	eP	LR	14 28 12.4	+1.6
E37A	Wrenshall baz=30	85.01 333	P	P	14 27 50.4	+1.0	JFWS	Jewell Farm comp=Z,35nm,1.0s	87.40 330	eP	LR	14 28 01.6	+0.3	NEW	Newport comp=Z,726nm,19.0s	89.43 349	eP	LR	14 28 12.1	+1.3
MMRI	Maumete comp=Z,98nm,1.1s	85.03 106	eP	P	14 27 47.9	-2.0	JFWS	Jewell Farm comp=Z,764nm,19.0s	87.40 330	eP	LR	14 28 01.6	+0.3	NEW	Newport comp=Z,134nm,1.0s	89.43 349	eP	LR	14 28 12.1	+1.3
MMRI	Greenbush Farm baz=26	85.03 337	eP	P	14 27 51.9	-1.3	JFWS	Jewell Farm comp=Z,35nm,1.0s	87.40 330	eP	MLR	14 28 01.6	+0.3	NEW	Newport comp=Z,726nm,19.0s	89.43 349	eP	MLR	14 28 12.1	+1.3
B31A	Greenbush Farm baz=32	85.03 337	P	P	14 27 49.7	+0.2	JFWS	Jewell Farm comp=Z,764nm,19.0s	87.44 329	P	MLR	14 28 01.8	+0.3	NEW	Newport comp=Z,134nm,1.0s	89.43 349	eP	MLR	14 28 12.1	+1.3
G41A	Antigo baz=32	85.03 330	P	P	14 27 50.0	+0.5	L43A	Gann Prairie baz=32	87.44 329	P	P	14 28 01.8	+0.3	R48A	Northridge Ran baz=33	89.44 325	P	P	14 28 12.0	+1.0
C33A	Trail baz=27	85.06 336	P	P	14 27 50.1	+0.4	H35A	Sunnyside Ranc baz=28,SNR=14	87.47 334	P	P	14 28 02.4	+0.8	JTMT	Jette comp=Z,139nm,1.6s	89.50 347	eP	P	14 28 12.0	+0.7
F39A	Loretta baz=30,SNR=25	85.06 332	P	P	14 27 50.4	+0.7	M45A	Bollemakers S baz=33	87.52 327	P	P	14 28 02.2	+0.3	N41A	Harden Midland baz=30,SNR=6.4	89.53 329	P	P	14 28 11.1	-0.2
D35A	Remer baz=28,SNR=6.2	85.11 334	P	P	14 27 50.1	+0.2	F31A	Hecla baz=26	87.52 336	P	P	14 28 02.3	+0.5	Q46A	CEJHS Indians, baz=30	89.55 326	P	P	14 28 11.1	-0.4
H43A	Windswept, Lux baz=32	85.13 329	P	P	14 27 50.8	+0.8	G33A	Ortonville baz=27,SNR=7.7	87.55 335	P	P	14 28 02.4	+0.5	B08A	Colville Reser comp=Z,37nm,1.2s	89.63 351	eP	P	14 28 12.2	+0.5
H43A	Windswept, Lux comp=Z,54nm,1.4s	85.13 329	eP	P	14 27 51.4	+1.3	J39A	Decorah baz=30,SNR=14	87.57 331	P	P	14 28 02.2	+0.1	A04D	Lummi Island baz=27	89.63 353	P	P	14 28 11.9	+0.2
C32A	Crookston baz=27	85.23 336	P	P	14 27 50.5	0.0	I37A	Lemond, Waseca baz=30,SNR=12	87.58 332	P	P	14 28 02.9	+0.8	J32A	Parkston baz=26	89.64 335	P	P	14 28 11.7	-0.1
AAM	Ann Arbor baz=35	85.26 325	P	P	14 27 50.9	+0.2	LLL	Lilloet comp=Z,112nm,1.1s	87.68 330	eP	P	14 28 03.2	+0.7	N40A	Mertquake, Sal baz=30	89.65 330	P	P	14 28 11.5	-0.4
AAM	Ann Arbor comp=Z,586nm,19.0s	85.26 325	eP	LR	14 27 51.0	+0.2	K41A	Shullsburg baz=31	87.68 330	P	P	14 28 02.7	+0.1	O42A	Bath baz=31	89.66 328	P	P	14 28 12.3	+0.3
AAM	Ann Arbor comp=Z,586nm,19.0s	85.26 325	eP	MLR	14 27 51.0	+0.2	N46A	Monticello baz=33	87.72 327	P	P	14 28 02.8	-0.1	P44A	Sand Creek, Wi baz=32	89.70 327	P	P	14 28 12.6	+0.4
E36A	McGregor baz=29,SNR=25	85.34 334	P	P	14 27 51.9	+0.8	I36A	Fitzsimmons Fa baz=28	87.79 333	P	P	14 28 03.7	+0.6	B06A	Marblemont comp=Z,31nm,1.1s	89.71 352	eP	P	14 28 12.3	+0.3
G40A	Rib Lake baz=31,SNR=30	85.36 331	P	P	14 27 52.1	+0.8	H34A	Spellman Lake, baz=27	87.81 334	P	P	14 28 03.9	+0.7	L36A	Harm Buss Farm baz=28	89.71 332	P	P	14 28 12.3	+0.1
F38A	Pierce - Schro baz=30,SNR=28	85.36 332	P	P	14 27 52.2	+1.0	G32A	Webster baz=26	87.83 336	P	P	14 28 03.3	0.0	WCI	Wyandotte Cave baz=28	89.76 325	P	P	14 28 12.2	-0.3
H42A	Shiocton baz=32	85.39 330	P	P	14 27 52.0	+0.7	M44A	Midewin, Midew baz=26	87.84 328	P	P	14 28 03.2	-0.2	PGC	Sidney comp=Z,105nm,1.8s	89.76 353	eP	P	14 28 11.8	-0.4
H42A	Shiocton comp=Z,102nm,1.4s	85.39 330	eP	P	14 27 51.9	+0.6	J38A	Wedel Dairy, R baz=29	87.87 331	P	P	14 28 03.4	-0.2	M38A	Pleasantville baz=33	89.79 331	P	P	14 28 13.0	+0.5
D34A	Park Rapids baz=28	85.48 335	P	P	14 27 52.1	+0.3	K40A	Colesburg baz=30,SNR=10.0	87.92 330	P	P	14 28 03.9	+0.1	R47A	Wooly Knot Far baz=33	89.81 325	P	P	14 28 11.9	-0.8
C31A	Landman Farms, baz=26	85.62 337	P	P	14 27 52.8	+0.3	BLA	Blacksburg baz=37	87.92 320	P	P	14 28 03.7	-0.2	P43A	Skaggs, Pawnee baz=31	89.92 328	P	P	14 28 13.4	+0.2
D33A	AnnSam, Waubun baz=27	85.63 335	P	P	14 27 52.9	+0.4	BLA	Blacksburg comp=Z,825nm,20.0s	87.92 320	P	LR	14 28 20.0	+16	TZTN	Tazewell baz=35	89.93 322	P	P	14 28 13.4	0.0
CBN	Corbin Frederi baz=38	85.66 319	P	P	14 27 52.8	0.0	L42A	Oliver, Polo baz=31,SNR=6.4	87.95 329	P	P	14 28 04.3	+0.3	J31A	Geddes baz=25	89.99 336	P	P	14 28 13.3	-0.2
CBN	Corbin Frederi comp=Z,535nm,20.0s	85.66 319	P	LR	14 28 00.0	+7.2	O47A	Sheridan baz=31,SNR=6.4	88.04 326	P	P	14 28 03.7	-0.7	Q45A	Warren Harvey, baz=32	89.99 326	P	P	14 28 13.7	+0.1
E35A	Pequot Lakes baz=28,SNR=8.4	85.69 334	P	P	14 27 53.4	+0.6	N45A	Kentland baz=32	88.08 327	P	P	14 28 04.6	0.0	N39A	Derby Farms, D baz=29,SNR=11	90.00 330	P	P	14 28 13.8	+0.2
G39A	Holcombe baz=30,SNR=22	85.69 332	P	P	14 27 53.4	+0.6	G31A	Conde baz=26	88.08 336	P	P	14 28 05.1	+0.6	KM5C	Kings Mountain baz=32	90.02 320	P	P	14 28 13.8	+0.1
MCWV	Mont Chateau baz=37	85.69 322	eP	P	14 27 53.0	+0.1	H33A	Pre Over Nor baz=26,SNR=16	88.11 335	P	P	14 28 05.3	+0.6	KM5C	Kings Mountain comp=Z,26nm,1.1s	90.02 320	eP	P	14 28 14.3	+0.6
MCWV	Mont Chateau comp=Z,53nm,1.1s	85.69 322	eP	P	14 27 53.2	+0.2	M43A	Waltham Townsh baz=32	88.16 328	P	P	14 28 04.8	-0.1	B05A	Bryant baz=33	90.02 353	P	P	14 28 13.6	+0.1
H41A	Junction City baz=31	85.72 330	P	P	14 27 53.6	+0.6	WALA	Waterson Lakes comp=Z,51nm,1.1s	88.17 347	eP	P	14 28 05.1	+0.1	C09A	Chrisman Ranch comp=Z,27nm,0.8s	90.04 350	eP	P	14 28 14.0	+0.4
H41A	Junction City comp=Z,109nm,0.9s	85.72 330	eP	P	14 27 53.5	-0.5	K39A	Delwin baz=30	88.19 331	P	P	14 28 04.6	-0.4	O41A	Passleys Farm, baz=30	90.05 329	P	P	14 28 13.5	-0.3
I43A	Langenfeld Bro baz=32,SNR=6.8	85.77 329	P	P	14 27 52.9	+0.6	L41A	Preston baz=31,SNR=7.5	88.21 330	P	P	14 28 04.8	-0.4	K33A	Hardington baz=26	90.05 334	P	P	14 28 14.3	+0.5
F37A	Hinrichs Farm, baz=29	85.82 333	P	P	14 27 54.1	+0.7	CNCC	Cristof comp=Z,11um,20.0s	88.23 318	P	LR	14 28 20.0	+15	HRV	Holter Researc comp=Z,41nm,1.1s	90.07 345	eP	P	14 28 14.9	+0.9
E34A	Wadena baz=28	85.97 335	P	P	14 27 54.5	+0.2	J37A	Redenius Farm, baz=29,SNR=7.1	88.26 332	P	P	14 28 05.9	+0.6	OLIL	Olney comp=Z,241nm,1.1s	90.10 326	eP	P	14 28 14.1	0.0
H40A	Chili baz=31,SNR=15	85.98 331	P	P	14 27 55.1	+0.8	I35A	Creekview Farm baz=28	88.27 333	P	P	14 28 05.6	+0.2	M37A	Trindle Farm, baz=28	90.11 332	P	P	14 28 14.0	-0.1
D32A	Dogwood Acres, baz=28	86.00 336	P	P	14 27 54.1	-0.2	SFIN	Lafayette baz=32	88.30 327	P	P	14 28 05.5	-0.1	C06D	Leavenworth baz=32	90.23 352	P	P	14 28 14.7	+0.2
F36A	Milaca baz=29,SNR=28	86.01 333	P	P	14 27 54.8	+0.4	N44A	Piper City baz=32	88.38 327	P	P	14 28 05.5	+0.5	P42A	Winchester baz=31	90.29 328	P	P	14 28 14.6	-0.3
G38A	Ridgeand baz=30,SNR=20	86.04 332	P	P	14 27 55.1	+0.5	I34A	Hadley baz=27	88.40 334	P	P	14 28 05.6	+0.6	R46A	Gibon Southern baz=32	90.30 326	P	P	14 28 14.6	-0.4
I42A	Draeger Farm, baz=32,SNR=8.2	86.06 330	P	P	14 27 55.1	+0.4	EGMT	Eagleton baz=17	88.40 334	P	P	14 28 06.8	+0.7	M36A	Felix, Anita baz=28	90.33 332	P	P	14 28 15.1	0.0
I42A	Draeger Farm, comp=Z,52nm,1.1s	86.06 330	eP	P	14 27 54.3	-0.4	EGMT	Eagleton comp=Z,54nm,0.9s	88.40 344	eP	P	14 28 06.5	+0.4	MSO	Missoula baz=14,SNR=11	90.33 347	P	P	14 28 15.7	+0.6
IP04	Greensprings comp=Z,30nm,1.5s	86.09 319	eP	P	14 27 54.8	-0.1	EGMT	Sheffield comp=Z,573nm,22.0s	88.46 329	P	LR	14 28 06.6	+							

BOZ	baz=16,SNR=28	91.10 345	eP	P	14 28 19.6 +0.8	S40A	Lebanon	92.85 329	P	P	14 28 27.1 +0.2	HVU	comp=Z,1.1nm,0.9s	95.00 345	eP	P	pmax	14 28 37.4 +0.5
BOZ	comp=Z,1.02nm,1.9s		LR	LR		G06A	Carlson Farm, baz=29,SNR=12	92.86 351	eP	P	14 28 28.0 +1.2	KSCO	comp=Z,1.1nm,0.9s	95.09 336	P	P		14 28 38.1 +0.8
BOZ	comp=Z,5.62nm,19.0s					FXWY	Fox Creek	92.86 344	eP	P	14 28 27.9 +0.8	KSCO	Kaye Shedlock	95.09 336	eP	P		14 28 38.2 +0.8
BOZ	comp=Z,1.02nm,1.9s		MLR	MLR		X49A	Woodville	92.88 323	P	P	14 28 27.1 +0.1	ISCO	comp=Z,4.0nm,1.1s	95.20 339	eP	P		14 28 38.7 +0.6
T47A	comp=Z,5.62nm,19.0s	91.15 325	P	P	14 28 18.4 -0.6	R38A	Fenwick Farm, baz=28	92.88 330	P	P	14 28 26.9 -0.1	ISCO	Idaho Springs	95.20 339	eP	P		14 28 38.7 +0.6
Q41A	Truxton	91.18 328	P	P	14 28 19.3 +0.2	G05D	Wamic, OR	92.93 352	P	P	14 28 26.9 -0.2	ISCO	comp=Z,1.6nm,1.0s		LR	LR		
HODGE	Hodges	91.20 320	eP	P	14 28 20.1 +0.8	SNOW	Snow King Moun	92.97 344	eP	P	14 28 28.5 +0.9	ISCO	comp=Z,1.6nm,1.0s	95.20 339	eP	P	pmax	14 28 38.7 +0.6
S45A	Carrier Mills	91.20 326	P	P	14 28 18.9 -0.3	TPAW	Teton Pass	92.98 344	eP	P	14 28 29.1 +1.3	ISCO	comp=Z,1.6nm,1.0s		MLR	MLR		
O37A	Wolven Farm, M	91.23 331	P	P	14 28 19.3 0.0	T41A	Mountain View	93.05 328	P	P	14 28 27.7 -0.1	GRGR	comp=Z,1.6nm,1.0s	95.34 291	PFAKE	LR		14 28 50.0 +1.1
R43A	Red Bud, M	91.25 327	P	P	14 28 19.5 +0.1	KSU1	Kansas State U	93.05 332	P	P	14 28 27.9 +0.2	GRGR	comp=Z,1.6nm,1.0s		LR	LR		
E09A	Wood Farm, Sta	91.29 350	eP	P	14 28 20.7 +1.2	KSU1	Kansas State U	93.05 332	PFAKE	LR	14 28 40.0 +1.2	WVOR	comp=Z,1.84nm,19.0s	95.36 349	eP	P		14 28 39.4 +1.0
U48A	Cassie Pea, Po	91.30 324	P	P	14 28 18.9 -0.8	REDW	Red Top Meadow	93.09 344	eP	P	14 28 29.5 +1.4	WVOR	Wild Horse Val	95.36 349	eP	P	pmax	14 28 39.4 +1.0
P39B	Salisbury	91.31 330	P	P	14 28 20.0 +0.4	S39A	Boliva	93.09 329	eP	P	14 28 27.7 -0.3	WVOR	comp=Z,4.68nm,21.0s		LR	LR		
E08A	Dider Farm, EI	91.43 350	eP	P	14 28 21.4 +1.3	Y50A	Piedmont	93.12 322	P	P	14 28 28.3 +0.1	WVOR	comp=Z,2.44nm,1.1s	95.36 349	eP	P	pmax	14 28 39.4 +1.0
SIUC	Southern Illin	91.43 326	eP	P	14 28 19.9 -0.4	OGNE	Ogallala	93.13 337	P	P	14 28 28.8 +0.6	WVOR	comp=Z,3.8nm,1.1s		MLR	MLR		
T46A	Princeton	91.45 325	P	P	14 28 20.1 -0.3	OGNE	Ogallala	93.13 337	eP	P	14 28 29.3 +1.1	K05A	Summit Lake	95.36 351	eP	P		14 28 39.5 +0.9
S44A	Carbondale	91.47 327	P	P	14 28 20.0 -0.4	OGNE	comp=Z,1.96nm,1.8s		LR	LR		452A	Marianna	95.38 320	P	P		14 28 38.7 +0.1
Q40A	Laux Farm, Aux	91.48 329	P	P	14 28 21.0 +0.5	G03D	McMinlinville, O	93.16 353	P	P	14 28 27.9 -0.2	W39A	Magazine	95.45 328	P	P		14 28 38.9 +0.1
P38A	Dawn	91.48 330	P	P	14 28 20.8 +0.3	PDF	Fort de France	93.18 293	PFAKE	LR	14 28 40.0 +1.1	553A	Crawfordville	95.56 319	P	P		14 28 39.4 0.0
LON	Longmire	91.49 352	eP	P	14 28 20.8 +0.3	T40A	Manstfield	93.25 328	P	P	14 28 28.7 0.0	K04D	Chiloquin, OR	95.56 351	P	P		14 28 39.8 +0.4
LON	Longmire	91.49 352	eP	P	14 28 20.8 +0.3	S38A	Stockton	93.37 330	P	P	14 28 29.1 -0.1	O20A	White River Ci	95.57 341	eP	P		14 28 40.2 +0.6
BGNE	Belgrade	91.50 334	P	P	14 28 21.0 +0.4	BW06	Boulder Array	93.38 343	P	P	14 28 29.6 +0.1	TUL1	comp=Z,3.2nm,1.1s	95.59 330	eP	P		14 28 39.7 +0.2
BGNE	Belgrade	91.50 334	eP	P	14 28 21.9 +1.2	BW06	Boulder Array	93.38 343	eP	P	14 28 28.8 -0.7	HUMO	Hull Mountain	95.71 352	eP	P		14 28 40.5 +0.6
DLMT	Dillon	91.51 346	eP	P	14 28 21.5 +0.7	BW06	comp=Z,1.7nm,1.1s		LR	LR		451A	Vernon	95.84 320	P	P		14 28 40.9 +0.2
ANWB	Willy Bob	91.57 295	PFAKE	LR	14 28 30.0 +8.8	PD31	Pinedale Array	93.38 343	eP	P	14 28 28.8 -0.7	JLU	Jordanelle	95.86 343	eP	P		14 28 40.8 -0.1
HAWA	Hanford	91.58 351	eP	P	14 28 21.7 +0.8	PDAR	Pinedale Array	93.38 343	eP	P	14 28 29.3 -0.2	Q24A	Divide	95.86 338	P	P		14 28 41.3 +0.2
HAWA	comp=Z,5.4nm,1.1s		LR	LR		PDAR	comp=Z,4.1nm,0.9s,baz=57,slow=6.6,SNR=19		PP	PP	14 32 13.2 +0.8	349A	Repton	95.91 322	P	P		14 28 42.1 +1.1
R42A	Luebbering	91.59 328	P	P	14 28 20.9 -0.1	PDAR	comp=Z,4.7nm,1.2s,baz=28,slow=6.7,SNR=4.6		PKKP	PKKPdf	14 45 32.0 0.0	MIAR	Mount Ida	95.94 328	P	P		14 28 41.3 +0.3
F10A	Beach Ranch, E	91.69 349	eP	P	14 28 22.1 +0.7	PDAR	comp=Z,0.8nm,0.8s,baz=178,slow=4.7,SNR=5.3		LR	LR	15 13 06.5	MIAR	Mount Ida	95.94 328	eP	P		14 28 41.7 +0.6
U47A	Clarksville	91.69 325	P	P	14 28 20.7 -0.8	PDAR	comp=Z,1.6nm,1.9s,baz=22,slow=3.5		PP	PP	14 28 28.8 -0.7	MIAR	Mount Ida	95.94 328	eP	P	pmax	14 28 41.7 +0.6
YHH	Holmes Hill	91.72 344	eP	P	14 28 22.7 +0.8	PDAR	Pinedale Array	93.38 343	eP	P	14 32 13.2 +0.8	MIAR	comp=Z,5.05nm,19.0s	95.94 328	eP	P	pmax	14 28 41.7 +0.6
Q39A	Willow Grove F	91.78 330	P	P	14 28 21.9 0.0	U42A	Reviden	93.43 327	P	P	14 28 29.6 0.0	MIAR	comp=Z,9.0nm,1.1s		MLR	MLR		
T45A	Paducah	91.78 326	P	P	14 28 21.6 -0.3	254A	Abbeville	93.56 319	P	P	14 28 31.4 +1.2	BRAL	Brewton	96.00 321	PFAKE	LR		14 28 50.0 +8.6
QLMT	Earthquake Lak	91.80 345	eP	P	14 28 23.1 +0.9	H04A	Detroit Lake	93.57 352	eP	P	14 28 30.6 +0.5	MOD	Modoc Plateau	96.10 350	eP	P		14 28 43.0 +1.1
R41A	Rosebud	91.81 328	P	P	14 28 22.1 0.0	HLID	Hailey	93.58 346	P	P	14 28 30.8 +0.4	SMCO	Snowmass	96.15 340	eP	P		14 28 42.9 +0.5
P37A	Lathrop	91.81 331	P	P	14 28 21.5 -0.5	HLID	Hailey	93.58 346	eP	P	14 28 30.8 +0.4	X39A	Fountain Ranch	96.18 328	P	P		14 28 42.3 +0.1
YHB	Horse Butte	91.83 344	eP	P	14 28 23.3 +1.0	HLID	comp=Z,1.4nm,1.1s		LR	LR		L02D	Cav Junction,	96.22 353	P	P		14 28 42.8 +0.6
LKWY	Lake	91.84 344	PFAKE	LR	14 28 30.0 +7.6	T39A	Clever	93.69 329	P	P	14 28 30.6 -0.2	M04C	Macdoel	96.22 351	P	P		14 28 44.4 +1.2
E03A	Lebam	91.86 353	eP	P	14 28 22.5 +0.4	AHID	Autum Hatcher	93.71 344	eP	P	14 28 31.5 +0.5	MPU	Maple Ranch	96.46 343	eP	P		14 28 43.9 +0.3
MWBA	Marble Bar	91.88 117	eP	P	14 28 21.6 -0.8	U41A	Vio	93.71 328	P	P	14 28 30.7 -0.2	P18A	Preston Nutter	96.52 342	eP	P		14 28 44.8 +0.8
S43A	Fulton Ridge,	91.91 327	P	P	14 28 22.5 0.0	Z50A	Ashland	93.74 322	P	P	14 28 30.9 -0.1	DUG	Dugway, Tooele	96.53 344	eP	P		14 28 45.0 +1.1
CCM	Cathedral Cave	91.96 328	P	P	14 28 22.6 -0.1	PHWY	Pilot Hill	93.76 339	eP	P	14 28 31.9 +0.5	DUG	Dugway, Tooele	96.53 344	eP	P		14 28 45.9 +2.0
CCM	Cathedral Cave	91.96 328	eP	P	14 28 22.4 -0.3	COR	Corvallis	93.78 353	eP	P	14 28 31.7 +0.7	DUG	comp=Z,1.3nm,1.1s		LR	LR		
CCM	Cathedral Cave	91.96 328	eP	P	14 28 22.5 -0.3	COR	Corvallis	93.78 353	eP	P	14 28 31.7 +0.7	DUG	comp=Z,6.27nm,20.0s	96.53 344	eP	P	pmax	14 28 45.9 +2.0
CCM	comp=Z,1.2nm,0.9s		pmax	pmax		I05D	Terrebonne, OR	93.82 351	P	P	14 28 31.8 +0.5	DUG	comp=Z,1.3nm,1.1s		MLR	MLR		
S42A	Caledonia	92.03 328	P	P	14 28 22.8 -0.3	355A	Pearson	93.83 319	P	P	14 28 30.6 -0.8	DUG	comp=Z,2.9nm,2.0s		MLR	MLR		
H17A	Grant Village	92.04 344	P	P	14 28 26.1 +2.8	RWWY	Rawlins	93.84 341	P	P	14 28 31.7 0.0	YBH	Yreka Blue Hor	96.55 352	P	P		14 28 43.7 -0.1
H17A	Grant Village	92.04 344	eP	P	14 28 25.8 +2.5	FITZ	Fitzroy Crossi	93.85 111	P	P	14 28 31.6 0.0	YBH	comp=Z,4.9nm,1.0s,baz=315,slow=1.4,SNR=3.6		LR	LR		15 14 33.5
YFT	Old Faithful	92.04 344	eP	P	14 28 26.1 +2.8	FITZ	comp=Z,1.6nm,0.9s,baz=282,slow=4.3,SNR=21		LR	LR	15 18 35.4	NLU	North Lily Mnt	96.61 344	eP	P		14 28 45.4 +1.1
MCMT	McKenzie Canyo	92.07 346	eP	P	14 28 24.5 +1.0	FITZ	comp=Z,8.4nm,18.2s,baz=329,slow=40		LR	LR	14 28 31.4 -0.2	P17A	Butcher Ranch	96.78 343	eP	P		14 28 46.4 +1.4
V48A	Smith Brothers	92.07 324	P	P	14 28 22.7 -0.6	I07A	comp=Z,2.3nm,1.0s	93.86 350	eP	P	14 28 32.9 +1.4	SDDR	Presa de Saban	96.87 303	eP	P		14 28 46.3 +0.7
Q38A	Cooke Store, C	92.09 330	P	P	14 28 23.2 -0.2	V42A	Cord	93.96 327	P	P	14 28 31.5 -0.5	M02C	Callahan	96.90 352	P	P		14 28 45.2 -0.2
F07A	Phinny Hill Vi	92.12 351	eP	P	14 28 24.6 +1.3	MFID	Camas Ranch	93.97 347	eP	P	14 28 33.0 +0.9	TMUT	Tra Mountain	97.06 343	eP	P	Pdf	14 28 46.7 +0.2
T44A	Benton	92.12 326	P	P	14 28 24.1 +0.6	T38A	Diamond	94.00 330	P	P	14 28 31.8 -0.5	SRU	San Rafael Swe	97.08 342	eP	P	Pdf	14 28 46.5 0.0
R40A	Maddies Station	92.16 329	P	P	14 28 23.7 0.0	Z49A	Columbiana	94.07 322	P	P	14 28 32.0 -0.5	SRU	San Rafael Swe	97.08 342	eP	P	pmax	14 28 46.6 +0.1
YPP	Pitchstone Pla	92.21 344	eP	P	14 28 26.7 +2.5	U40A	Yellville	94.07 328	P	P	14 28 32.1 -0.4	SDDC	Great Sand Dun	97.09 338	P	P		14 28 46.7 0.0
F04D	Rainier, OR	92.27 353	P	P	14 28 25.2 +1.2	SJG	San Juan	94.18 298	PFAKE	LR	14 28 40.0 +6.7	SDDC	Great Sand Dun	97.09 338	PFAKE	LR		14 29 00.0 +1.3
V47A	Nunnelly	92.31 324	P	P	14 28 23.8 -0.6	N23A	Red Feather La	94.27 340	P	P	14 28 34.6 +0.9	BMN	Battle Mountain	97.10 348	eP	P	Pdf	14 28 47.3 +0.7
U45A	Rockin P Farm,	92.40 325	P	P	14 28 24.5 -0.3	N23A	Red Feather La	94.27 340	eP	P	14 28 34.6 +0.9	BMN	Battle Mountain	97.10 348	eP	P	pmax	14 28 47.3 +0.8
T43A	Greenville	92.41 327	P	P	14 28 24.7 -0.1	V41A	Mountainview	94.29 328	P	P	14 28 33.1 -0.4	BMN	comp=Z,1.8nm,1.3s		MLR	MLR		
R39A	Chumby, Stover	92.44 329	P	P	14 28 25.2 +0.2	U39A	Green Forest	94.30 329	P	P	14 28 33.3 -0.2	N02D	Trinity Center	97.30 352	P	P	Pdf	14 28 47.7 +0.4
GOGA	Godfrey	92.45 320	P	P	14 28 25.2 +0.2	PINE	Pine Mountain	94.32 351	eP	P	14 28 35.5 +1.8	PV09	Paradox Valley	97.33 341	eP	P	Pdf	14 28 48.5 +0.7
GOGA	Godfrey	92.45 320	PFAKE	LR	14 28 40.0 +1.5	150A	Eclectic	94.32 322	P	P	14 28 33.7 0.0	T25A	Trinidad	97.35 337	P	P	Pdf	14 28 47.9 +0.1
Q37A	Longview Farm,	92.47 331	P	P	14 28 25.3 +0.2	CBKS	Cedar Bluff	94.36 334	P	P	14 28 33.2 -0.6	T25A	Trinidad	97.35 337	eP	P		14 28 46.7 -1.0
S41A	Jillico Farms,	92.57 328	P	P	14 28 25.7 +0.1	CBKS	Cedar Bluff	94.36 334	PFAKE	LR	14 28 50.0 +1.6	PV04	Paradox Valley	97.38 341	eP	P	Pdf	14 28 48.8 +0.9
V46A	Holladay	92.59																

7d 14h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MSU Marysvale, BEKR Beckworth, PAHR Pah Rah Range, etc.

2012 MAY

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like SIV San Ignacio, STKA Stephens Creek, OTAV Otavalo, etc.

426

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Res. Includes stations like THZ Tophouse, KHZ Kahutara, LTZ Lake Taylor, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Res. Includes stations like KHAL Karahalli, GDZ Gediz, DEMI Demirci, etc.

az=182.0
CSEM 07 14:36:20.5:0.1,41.55N:46.70E,h10km,mb4.0/4, Error
ellipse: s-maj=2.7km s-min=2.5km az=11.0
ATA 07 14:36:22.7:0.6,41.61N:46.44E,h15km,ML4.3,MW4.3
DDA 07 14:36:40.3,41.42N:44.67E,h7km,Md3.3
ISC 07 14:36:19.7:0.8,41.49N:0.0:1,46.69E:0.01,h12km,5km,
n206,s1940/301,mb3.7/9,36C-30D,Eastern Caucasus

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

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like ABKAR, KIEV, BUR04, etc.











7d 16h

2012 MAY

Table with columns: Station Name, Frequency, Band, Power, and other technical details. Includes stations like ONI, STDR, DIGR, DIGO, etc.

Table with columns: Station Name, Frequency, Band, Power, and other technical details. Includes stations like KIEV, KIEV, EIL, MESR, etc.

Table with columns: Station Name, Frequency, Band, Power, and other technical details. Includes stations like SFK, SFK, PDG, OJC, etc.

Table with columns: ZALV, LR, LR, 17 16 28.6, etc. Includes stations like SENIN, NB2, NOA, etc.

NIED 07 17:00:00, 35.70N, 141.00E, h11km, Mw3.7, Most double couple: Ms3.36000x1014 NP1.38186.00000, s36.00000, l-84.00000, NP2.3538.00000, s54.00000, l-84.00000

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

MUD Monsted U'grnd 4.74 249 i P Pg 17 05 47.9 -2.2 KEF Keuruu 5.37 42 e S Sn 17 06 13.9 +1.3 KEF Keuruu 5.37 42 e S Sn 17 06 41.5 -1.6

Table with columns: FIAO, FINESS Array S, 5.42, 52, eS, Sn, 17 06 42.3 -1.9, etc. Includes stations like FIAO, FINESS, FINES, etc.





SWSC	Sam W. Stewart	76.92	49	P	P	18 00 51.0 +1.3
MDCB	Devils Postpile	77.12	44	eP	P	18 00 52.4 +1.4
WPB	Cottonwood Cre	77.15	45	eP	P	18 00 51.8 +0.7
YBH	Yreka Blue Hor	77.19	39	P	P	18 00 52.1 +1.0
YBH	Yreka Blue Hor	77.19	39	eP	P	18 00 52.4 +1.3
YBH	Yreka Blue Hor	77.19	39	eP	P	18 00 52.4 +1.3
BELC	Belle Mtn. Jot	77.31	48	P	P	18 00 53.1 +1.0
KDAK	Kodiak Island	77.33	130eP	P	P	18 00 51.1 -0.2
MPMC	Manual Prospec	77.33	46	eP	P	18 00 53.0 +0.8
WAKR	Walker	77.36	43	eP	P	18 00 53.7 +1.4
DAC	Darwin (Calif)	77.38	46	eP	P	18 00 53.8 +1.3
DAC	Darwin (Calif)	77.38	46	eP	P	18 00 53.8 +1.3
GSC	Goldstone, Bar	77.41	47	eP	P	18 00 53.2 +0.7
GSC	Goldstone, Bar	77.41	47	eP	P	18 00 53.8 +1.3
GSC	Goldstone, Bar	77.41	47	eP	P	18 00 53.8 +1.3
HEC	Hector, Ludlow	77.50	47	P	P	18 00 53.7 +0.8
BC3	Big Chuckawall	77.53	49	P	P	18 00 54.5 +1.3
HUMO	Hull Mountain	77.57	38	eP	P	18 00 54.6 +1.5
PNTR	Pine Nut	77.59	42	eP	P	18 00 55.1 +1.5
GLA	Glamis	77.68	50	eP	P	18 00 56.2 +2.2
GLA	Glamis	77.68	50	eP	P	18 00 56.2 +2.2
GLA	Glamis	77.68	50	eP	P	18 00 56.2 +2.2
M04C	Macdoel	77.74	39	P	P	18 00 55.1 +0.9
YERR	Yerington	77.76	43	eP	P	18 00 55.8 +1.3
GRAC	Grapevine Rang	77.92	45	P	P	18 00 56.2 +1.1
GMRC	Granite Mounta	77.95	48	P	P	18 00 56.3 +0.8
FURC	Furnace Creek,	77.98	46	P	P	18 00 56.5 +1.1
IRM	Iron Mountain	78.00	49	P	P	18 00 56.9 +1.3
I03D	Drain, OR	78.01	37	P	P	18 00 56.3 +0.9
RYN	Ryan	78.03	43	eP	P	18 00 57.3 +1.4
NV01	Mina Array Sit	78.07	43	eP	P	18 00 56.7 +0.6
NVAR	Mina Array Bea	78.07	43	eP	P	18 00 57.1 +0.9
PAHR	Pah Rah Range	78.07	42	eP	P	18 00 57.0 +0.9
NV11	Mina Array Sit	78.17	44	eP	P	18 00 57.5 +0.9
Y12C	Blythe	78.25	49	P	P	18 00 58.4 +1.5
Y12C	Blythe	78.25	49	eP	P	18 00 58.9 +1.9
NJ2	Nanjing	78.25	309	eP	P	18 00 56.8 -0.2
NJ2	Nanjing	78.25	309	eP	P	18 00 56.8 -0.2
113A	Mohawk Valley	78.32	50	eP	P	18 00 58.3 +0.9
J04D	Umpqua Nationa	78.45	38	P	P	18 00 59.0 +0.9
KVN	Kaiserville	78.54	43	eP	P	18 00 59.4 +0.7
KVN	Kaiserville	78.54	43	eP	P	18 00 59.4 +0.7
104A	Organ Pipe Nat	78.61	37	P	P	18 00 59.3 +0.5
214A	Organ Pipe Nat	78.64	51	eP	P	18 01 00.8 +1.4
TPNV	Topopah Spring	78.66	46	P	P	18 01 00.3 +1.0
TPNV	Topopah Spring	78.66	46	eP	P	18 01 00.5 +1.2
TPNV	Topopah Spring	78.66	46	eP	P	18 01 00.5 +1.2
MOD	Modoc Plateau	78.74	40	eP	P	18 01 00.7 +1.0
PDMC1	Parker Dam, Lak	78.80	49	P	P	18 01 01.3 +1.4
K05A	Summer Lake	78.86	39	eP	P	18 01 01.4 +1.0
G03D	McMinnville, O	78.98	36	P	P	18 01 01.7 +1.1
J05D	Fort Rock, OR	78.99	38	P	P	18 01 02.0 +1.1
SHPR	Sheep Range	79.18	46	eP	P	18 01 03.1 +1.0
H04A	Detroit Lake	79.27	37	eP	P	18 01 02.6 +0.3
PINE	Pine Nut	79.46	38	eP	P	18 01 04.6 +1.1
I05D	Terrebonne, OR	79.55	37	P	P	18 01 04.7 +0.9
E03A	Lebam	79.64	34	eP	P	18 01 05.5 +1.4
R11A	Troy Canyon, C	79.83	45	eP	P	18 01 06.4 +0.8
R11A	Troy Canyon, C	79.83	45	eP	P	18 01 06.7 +1.1
BMN	Battle Mountai	79.86	42	eP	P	18 01 06.2 +0.5
BMN	Battle Mountai	79.86	42	eP	P	18 01 06.2 +0.5
CLR	Kul'dur	79.95	329	iP	P	18 01 03.5 -2.2
KN2	Changchun	80.02	322	eP	P	18 01 06.0 -0.2
WV0R	Wild Horse Val	80.06	40	eP	P	18 01 07.2 +0.5
WV0R	Wild Horse Val	80.06	40	eP	P	18 01 07.2 +0.5
G05D	Wamic, OR	80.10	36	P	P	18 01 07.4 +0.8
TUC	Tucson	80.33	52	P	P	18 01 10.3 +2.1
TUC	Tucson	80.33	52	eP	P	18 01 10.4 +2.2
I07A	Ize	80.47	38	eP	P	18 01 09.6 +0.9
SPU	Mount Spurr	80.55	12	eP	P	18 01 07.8 -0.8
MA2	Magadan	80.68	344	iP	P	18 01 07.2 -2.1
MA2	Magadan	80.68	344	iP	P	18 01 07.8 -1.5
J08A	Circle Bar Ran	80.68	39	eP	P	18 01 11.0 +1.1
LOH	Longmire	80.72	35	eP	P	18 01 10.3 +0.4
LON	Longmire	80.72	35	eP	P	18 01 10.3 +0.4
X16A	Lo Mia Camp, P	80.81	50	eP	P	18 01 13.0 +2.2
D05A	Enumclaw	80.89	35	eP	P	18 01 12.4 +1.7
PGC	Sidney	81.01	33	eP	P	18 01 12.1 +0.8
319A	Douglas	81.05	53	eP	P	18 01 13.8 +1.8

KNB	Kanab	81.06	47	eP	P	18 01 14.1 +2.0
KNB	Kanab	81.06	47	eP	P	18 01 14.1 +2.0
BBB	Bella Bella	81.06	28	P	P	18 01 11.8 +0.4
SUA	Susitna One	81.07	13	eP	P	18 01 10.8 -0.6
PSUT	Paradise	81.09	45	eP	P	18 01 13.7 +1.4
U15A	North Rim	81.15	48	eP	P	18 01 14.6 +1.9
ELK	Elko	81.30	43	P	P	18 01 15.6 +2.3
WUJZ	Wupatki	81.37	49	P	P	18 01 15.2 +1.5
WUJZ	Wupatki	81.37	49	eP	P	18 01 15.9 +2.2
A04D	Lummi Island	81.44	33	P	P	18 01 14.6 +1.1
G08A	Pilot Rock	81.48	37	eP	P	18 01 14.8 +0.8
B05A	Bryant	81.49	34	P	P	18 01 14.6 +0.8
LTY	Liberty	81.65	35	eP	P	18 01 14.9 +0.2
GHO	Glory Hill	81.74	13	eP	P	18 01 14.2 -0.6
HAWA	Hanford	81.78	36	eP	P	18 01 16.2 +0.9
MTPU	Mount Pierson	82.00	46	eP	P	18 01 19.6 +2.4
E08A	Dider Farm, El	82.11	36	eP	P	18 01 18.0 +1.0
SCM	Sheep Creek Mo	82.15	14	eP	P	18 01 16.5 -0.5
SCM	Sheep Creek Mo	82.15	14	eP	P	18 01 16.5 -0.5
BMO	Blue Mountains	82.21	38	eP	P	18 01 17.9 +0.2
BMO	Blue Mountains	82.21	38	eP	P	18 01 17.9 +0.2
MSU	Mesa Verde	82.23	46	eP	P	18 01 20.3 +2.1
W18A	Petrified Fore	82.38	50	P	P	18 01 20.5 +1.5
CAST	Castle Rocks	82.59	11	eP	P	18 01 17.1 -2.1
DUG	Dugway, Tooele	82.62	44	P	P	18 01 20.9 +1.0
DUG	Dugway, Tooele	82.62	44	eP	P	18 01 20.5 +0.5
DUG	Dugway, Tooele	82.62	44	eP	P	18 01 20.5 +0.5
121A	Cookes Peak, D	82.70	53	P	P	18 01 22.7 +2.1
BALM	Baldy	82.70	16	eP	P	18 01 19.5 -0.4
BALM	Baldy	82.70	16	eP	P	18 01 19.5 -0.4
F10A	Fossil	82.70	16	eP	P	18 01 21.1 0.0
KTH	Kantishna Hill	82.93	12	eP	P	18 01 18.9 -2.0
TRF	Thorax Moun	82.96	12	eP	P	18 01 18.8 -2.4
LLBL	Lillooet	83.03	32	eP	P	18 01 21.9 +0.3
B08A	Colville Reser	83.03	35	eP	P	18 01 21.6 -0.1
Q16A	Castle Valley	83.11	46	eP	P	18 01 24.1 +1.5
SEY	Seymchan	83.20	347	P	P	18 01 21.1 -1.1
RND	Reindeer	83.21	12	eP	P	18 01 22.0 -0.3
RND	Reindeer	83.21	12	eP	P	18 01 22.0 -0.3
RND	Reindeer	83.21	12	eP	P	18 01 22.0 -0.3
DHY	Denali Highway	83.23	13	eP	P	18 01 21.8 -0.8
TMUT	Trail Mountain	83.27	46	eP	P	18 01 25.3 +1.8
HLID	Hailey	83.28	41	P	P	18 01 24.4 +1.1
HLID	Hailey	83.28	41	eP	P	18 01 24.2 +0.9
MPU	Mesa Verde	83.32	45	eP	P	18 01 25.2 +1.6
IPM	Iloh	83.40	277	eP	P	18 01 24.2 -0.1
BPWA	Bear Paw Mtn	83.42	11	eP	P	18 01 22.2 -1.1
HVU	Hansel Valley	83.43	43	eP	P	18 01 25.0 +0.9
HVU	Hansel Valley	83.43	43	eP	P	18 01 25.0 +0.9
MCK	McKinley	83.48	12	eP	P	18 01 22.9 -0.8
MCK	McKinley	83.48	12	eP	P	18 01 22.9 -0.8
CTU	Camp Tracy	83.57	44	eP	P	18 01 23.6 -1.2
SRU	San Rafael Swe	83.65	46	eP	P	18 01 26.0 +0.7
SRU	San Rafael Swe	83.65	46	eP	P	18 01 26.0 +0.7
P17A	Pine Nut	83.67	46	eP	P	18 01 26.3 +0.9
JLU	Jordanella	83.73	44	eP	P	18 01 26.7 +1.0
HJT	Haines Junctio	83.91	18	eP	P	18 01 25.7 -0.3
BYJ	Beijing	83.95	315	P	P	18 01 30.1 +3.6
KULM	Kulim	84.00	277	eP	P	18 01 29.7 +2.4
TCTU	Toone Canyon	84.00	44	eP	P	18 01 28.7 +1.6
P18A	Preston Nutter	84.08	46	eP	P	18 01 29.0 +1.4
HWUT	Hardware Ranch	84.13	43	eP	P	18 01 28.5 +0.9
PV05	Paradox Valley	84.17	47	eP	P	18 01 29.8 +1.9
NEW	Newport	84.19	36	P	P	18 01 27.7 +0.2
NEW	Newport	84.19	36	P	P	18 01 27.8 +0.2
MNTX	Cornudas Mount	84.20	55	P	P	18 01 29.7 +1.7
M05C	Mesa Verde	84.21	48	P	P	18 01 29.2 +1.0
BNM	Barren Site	84.26	52	eP	P	18 01 29.5 +1.0
MLY	Manley	84.31	11	eP	P	18 01 26.2 -1.5
WRH	Wood River Hill	84.31	12	eP	P	18 01 26.9 -0.8
PV09	Paradox Valley	84.34	47	eP	P	18 01 30.5 +1.6
PV10	Paradox Valley	84.35	47	eP	P	18 01 29.8 +0.9
RIDG	Independen't Rid	84.38	14	eP	P	18 01 27.3 -0.8
DOT	Dot Lake	84.48	14	eP	P	18 01 27.9 -0.7
HDA	Hardie Lake	84.50	13	eP	P	18 01 27.4 -1.3
CCB	Clear Creek Bu	84.53	12	eP	P	18 01 27.5 -1.3
WHY	Whitehorse	84.60	19	eP	P	18 01 29.6 +0.2
TX31	Lajitas Ar. Si	84.63	57	eP	P	18 01 32.0 +1.8
TXAR	Lajitas Array	84.63	57	eP	P	18 01 32.4 +2.2
TXAR	Lajitas Array	84.63	57	eP	P	18 01 32.4 +2.1
DLBC	Dease Lake	84.63	23	P	P	18 01 29.9 +0.4
IM3	Douglas	84.67	9	eP	P	18 01 29.2 -0.2



Table with columns: ARNR, Ardon, 2.44 313 ePn, P, 17 50 28.0 -1.3, etc.

Table with columns: MCMT, McKenzie Canyon, 5.52 283 eP, Pn, 18 12 53.5 -1.0, etc.

Table with columns: ZKTA, Zakatala, 0.13 345 P, P, 18 18 49.4 -1.4, etc.

ISCJJB 07 17:50:31.8, 0.9, 17:84N, 0:08, 102:67W, 0.4km, h10km, mb3.6/5, Error ellipse: s-maj=12.3km s-min=4.2km az=20.9

NEIC 07 17:50:35.2, 0.0, 17:76N, 102:73W, h14km, MD4.2(MEX), After MEX.

MEX 07 17:50:35.2, 0.0, 17:76N, 102:73W, h14km, 5km, MD4.2

IDC 07 17:50:39.6, 2.3, 18:41N, 101:93W, h0km, mb3.7/5, mb1 3.9/7, mb1mx3.6/50, mbtmp3.5/7, ML3.1/2, MS2.5/1, Ms1 2.5/1, ms1mx2.3/43, Error ellipse: s-maj=51.5km s-min=22.7km az=33.0

ISC 07 17:50:33.8, 1.1, 17:78N, 102:70W, 0:05, h10km, n20, s=301/28, mb3.8/5, Near coast of Michoacan

Main station list table for the first section, including columns for Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

ISCJJB 07 18:15:23.0, 3.0, 39:18N, 0:03, 151:45E, 0:03, h9km, gkm, Error ellipse: s-maj=4.0km s-min=3.4km az=176.4

CSEM 07 18:15:23.0, 3.0, 39:17N, 41:48E, h10km, ML2.6, Error ellipse: s-maj=3.7km s-min=3.4km az=16.0

DDA 07 18:15:23.3, 3.9, 18N, 41:45E, h14km, M2.6

ISC 07 18:15:23.3, 3.9, 18N, 41:46E, 0:02, h13km, 4km, n47, c=88/72, Turkey

Main station list table for the second section, including columns for Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

ISCJJB 07 18:11:29.9, 0.4, 43:81N, 0:03, 105:32W, 0:05, h0km, Error ellipse: s-maj=5.6km s-min=4.5km az=7.6

IDC 07 18:11:30.9, 1.8, 43:72N, 105:41W, h0km, mb1 3.4/5, mb1mx3.2/74, mbtmp3.1/5, ML2.7/4, Error ellipse: s-maj=47.9km s-min=9.0km az=149.0

NEIC 07 18:11:31.7, 0.4, 43:76N, 105:30W, h0km, ML3.3, Error ellipse: s-maj=5.9km s-min=5.0km az=135.0, Suspected Mining explosion.

NEIC 62 km [38 miles] SSE of Gillette.

ISC 07 18:11:30.9, 1.8, 43:80N, 0:04, 105:30W, 0:05, h0km, n48, c=105/47, Wyoming

Main station list table for the third section, including columns for Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

ISCJJB 07 18:11:29.9, 0.4, 43:81N, 0:03, 105:32W, 0:05, h0km, Error ellipse: s-maj=5.6km s-min=4.5km az=7.6

IDC 07 18:11:30.9, 1.8, 43:72N, 105:41W, h0km, mb1 3.4/5, mb1mx3.2/74, mbtmp3.1/5, ML2.7/4, Error ellipse: s-maj=47.9km s-min=9.0km az=149.0

NEIC 07 18:11:31.7, 0.4, 43:76N, 105:30W, h0km, ML3.3, Error ellipse: s-maj=5.9km s-min=5.0km az=135.0, Suspected Mining explosion.

NEIC 62 km [38 miles] SSE of Gillette.

ISC 07 18:11:30.9, 1.8, 43:80N, 0:04, 105:30W, 0:05, h0km, n48, c=105/47, Wyoming

Main station list table for the fourth section, including columns for Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

ISCJJB 07 18:18:44.2, 4.1, 47N, 46:62E, h8km, Ms3.2

TIF 07 18:18:45.8, 4.1, 54N, 46:67E, h9km, 2km

AZER 07 18:18:46.2, 0.0, 41:61N, 46:67E, h10km, ml3.1

MOS 07 18:18:46.7, 1.0, 41:49N, 46:76E, h9km, mb4.2/1, Error ellipse: s-maj=6.6km s-min=4.1km az=93.1

CSEM 07 18:18:46.9, 0.1, 33N, 46:71E, h2km, ML3.1, Error ellipse: s-maj=2.6km s-min=2.5km az=46.0

ATA 07 18:18:47.2, 0.0, 41:84N, 46:58E, h15km, 999km, ML4.3, MW3.8

DDA 07 18:18:07.2, 41:42N, 44:84E, h6km, ML2.9

ISC 07 18:18:46.7, 0.9, 41:52N, 0:01, 46:67E, 0:01, h16km, 8km, n120, s1905/202, 31C-15D, Eastern Caucasus

Main station list table for the fifth section, including columns for Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

ISCJJB 07 18:18:44.2, 4.1, 47N, 46:62E, h8km, Ms3.2

TIF 07 18:18:45.8, 4.1, 54N, 46:67E, h9km, 2km

AZER 07 18:18:46.2, 0.0, 41:61N, 46:67E, h10km, ml3.1

MOS 07 18:18:46.7, 1.0, 41:49N, 46:76E, h9km, mb4.2/1, Error ellipse: s-maj=6.6km s-min=4.1km az=93.1

CSEM 07 18:18:46.9, 0.1, 33N, 46:71E, h2km, ML3.1, Error ellipse: s-maj=2.6km s-min=2.5km az=46.0

ATA 07 18:18:47.2, 0.0, 41:84N, 46:58E, h15km, 999km, ML4.3, MW3.8

DDA 07 18:18:07.2, 41:42N, 44:84E, h6km, ML2.9

ISC 07 18:18:46.7, 0.9, 41:52N, 0:01, 46:67E, 0:01, h16km, 8km, n120, s1905/202, 31C-15D, Eastern Caucasus

Main station list table for the sixth section, including columns for Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

2012 MAY

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC, h, s, ISC. Includes stations like GROG Groznyy, STEP Stepanavan, GRS Goris, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC, h, s, ISC. Includes stations like BTLR Botlikh, DRN Derbent, KRNR Karanay, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC, h, s, ISC. Includes stations like ROSF Rostrenen, GRR Gorron, JRS Jersey, etc.

NSSP 07 18:49:34.9, 41.45N, 46.55E, h10km, Ms3.1
MOS 07 18:49:36.8, 0.5, 41.49N, 46.75E, h10km, mb4.0/1, Error ellipse: s-maj=7.9km s-min=5.0km az=90.2

ISCJB 07 18:49:42.4, 0.6, 47.89N, 0.03, 2.31W, 0.04, h22km, 7km, Error ellipse: s-maj=5.3km s-min=4.1km az=3.6

STR 07 18:49:43.0, 0.7, 48.1N, 5.5E, h54km, M4.0/6, mb4.6/2, MLV3.6/6

CSEM 07 18:49:36.9, 0.2, 41.52N, 46.74E, h2km, ML3.1, Error ellipse: s-maj=4.5km s-min=3.1km az=145.0

LDG 07 18:49:43.7, 0.0, 47.96N, 2.33W, h3km, Md3.1/3, ML3.1/28, Error ellipse: s-maj=1.0km s-min=0.8km az=33.0

ISC 07 18:49:42.8, 0.9, 47.93N, 0.02, 2.30W, 0.02, h17km, 8km, n94, c1946/173, France













7d 21h

Table with columns: J04D, Umpqua Nationa, 82.76, 47, P, P, 20 13 12.3 +0.6, etc. Lists various station data including Umpqua Nationa, Trinity Center, Liberty, Wami, etc.

2012 MAY

Table with columns: PFO, Pinyon Flats O, 89.47, 56, eP, P, 20 13 45.4 +0.8, etc. Lists various station data including Pinyon Flats O, Pizon Flat, BAR, etc.

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Table with columns: F39A, Loretta, 102.08, 36, P, Pdf, 20 14 41.2 -0.2, etc. Lists various station data including Loretta, Waltonville, Oil Creek Stat, etc.

IDC 07 20:06:44.1±8.7, 15°54'S×172°22'W, h0km, mb4.4/4, mb1.4/6.4, mb1mx3.8/48, mbtmp4.4/4, Error ellipse: s-maj=182.9km s-min=144.9km az=130.0, Samoa Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h, m, s, Res, ISC. Lists station data for IDC 07 20:06:44.1±8.7, 15°54'S×172°22'W.

NNC 07 20:07:34.0±13.0, 43°75'N-85°22'E, h0km, mb2.8, mpv2.5, Error ellipse: s-maj=95.6km s-min=29.4km az=120.0, SOME 07 20:08:04.5, 44°35'N-83°15'E, h20km, ISC 07 20:07:52.7±4.4, 44°11'N-01°184.0E±0.2, h20km, n7, ±3°10'14, 2C-4D, Northern Xinjiang

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h, m, s, Res, ISC. Lists station data for NNC 07 20:07:34.0±13.0, 43°75'N-85°22'E.

IDC 07 21:07:54.0±0.8, 23°39'N-141°18'E, h0km, mb3.9/13, mb1.4/15, mb1mx3.8/69, mbtmp3.9/15, ML3.7/2, MS3.1/6, Ms1.3/1.6, ms1mx2.7/61, Error ellipse: s-maj=24.3km s-min=16.6km az=97.0, ISCJB 07 21:07:57.0±0.6, 23°47'N-0°05':141.9E±0.1, h33km, mb3.9/17, MS3.5/2, Error ellipse: s-maj=15.1km s-min=6.9km az=10.8, NEIC 07 21:07:59.0±0.6, 23°43'N-141°13'E, h35km, mb4.0/2, Error ellipse: s-maj=16.8km s-min=11.3km az=99.0, ISC 07 21:07:59.8±0.8, 23°51'N-141°18E±0.1, h35km, n36, ±152°/27, mb3.9/17, Volcano Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, MKAR Makanchi Array, KURKB Kurchatov, etc.

SOME 07:21:18:05.6, 45:103N:78:98E, h20km
NCC 07:21:18:07.4, 1.5, 44:32N:79:10E, h0km, mb2.6, mpv2.3
Error ellipse: s-maj=17.7km s-min=9.0km az=113.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KAPS Kapalarasan, TDK Taldyqorghan, DJR Jarkent, etc.

ISK 07:21:27:01.7, 38:62N:43:15E, h5km, ML2.9/14
ATA 07:21:27:02.6, 0.9, 38:62N:43:12E, h19km, 7km, ML3.6, MW3.5

ISCJB 07:21:27:03.3, 0.5, 38:63N:02:43:14E:0.03, h1km, 6km
Error ellipse: s-maj=4.5km s-min=3.8km az=7.0

CSEM 07:21:27:03.2, 0.2, 38:62N:43:15E, h2km, ML2.9, Error
ellipse: s-maj=5.0km s-min=3.9km az=139.0

DDA 07:21:27:03.1, 38:63N:43:17E, h7km, ML3.1
ISC 07:21:27:03.5, 0.9, 38:62N:02:43:17E:0.02, h11km, 7km,
n75, c084/83, 1C-3D, Turkey

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TUTA Tutak, GURO Guroymak-BITLI, GURGO Guroymak-BITLI, etc.

BUJ 07:21:31:28.7, 1.69N:89:77E, h10km, mb4.7/51, mb4.8/35,
Ms4.2/24, Ms7.3/9/17

ISCJB 07:21:31:33.5, 0.3, 2:32N:0:04:89:80E:0:03, h10km,
mb4.6/79, MS3/744, Error ellipse: s-maj=5.7km

IDC 07:21:31:33.6, 0.5, 2:34N:89:79E, h0km, mb4.2/29,
mb1.4/3/31, mb1mx4.1/66, mbtmp4.3/31, ML3.9/2, MS3.6/38,
Ms1.3/6/38, ms1mx3.5/60, Error ellipse: s-maj=16.5km

MOS 07:21:31:35.1, 1.2, 2:37N:89:81E, h20km, mb4.6/40, Error
ellipse: s-maj=8.6km s-min=5.8km az=105.1

NEIC 07:21:31:35.2, 0.3, 2:33N:89:79E, h10km, mb4.6/29, Error
ellipse: s-maj=7.0km s-min=4.5km az=22.0

ISC 07:21:31:35.1, 0.4, 2:34N:0:05:89:80E:0:05, h10km, n250,
c1960/244, mb4.6/82, MS3.8/44, 10C-11D, North Indian
Ocean

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BSI Banda Aceh, MSLSI Meulaboh, TPTI Tuntungan, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like HYB Hyderabad, CHTO Chiang Mai, CMMT Chiang Mai, etc.



7d 21h

GTA	comp=Z,57nm,4.3s	LR	LR			
GTA	comp=Z,90nm,18.5s	LR	LR			
KSH	comp=Z,120nm,17.1s	P	P	21 39 02.1	-0.6	
KSH	Kashi	PP	PnPn	21 40 38.2	+3.3	
KSH		S	PcS	21 44 58.9	-3.4	
KSH		PcS	PcS	21 45 00.3	-1.9	
KSH	comp=Z,6.0nm,0.6s	pmx	pmx			
KSH	comp=Z,280nm,4.2s	pmx	pmx			
KSH	comp=Z,44nm,7.8s	LR	LR			
KSH	comp=Z,140nm,4.8s	LR	LR			
KSH	comp=Z,200nm,11.8s	LR	LR			
NJ2	Nanjing	40.26	40 eP	P	21 39 13.2	+0.8
NJ2			pmx	pmx		
FITZ	comp=Z,12nm,0.8s					
FITZ	Fitzroy Crossi	40.72	121 P	P	21 39 16.0	-0.4
FITZ			comp=Z,3.6nm,0.9s,baz=290,slow=5.3,SNR=4.1			
KDJ	Kajisay	41.20	346 eP	P	21 39 20.6	+0.3
KDJ			comp=Z,3.3nm,0.8s			
KDJ	Kajisay	41.20	346 eP	P	21 39 20.6	+0.3
KDJ			comp=Z,3.0nm,0.8s			
WMQ	Urumqi	41.35	358 P	P	21 39 22.5	+1.2
WMQ			pP	pP	21 39 26.5	+0.8
WMQ			sP	sP		
WMQ			pmx	pmx		
WMQ	comp=Z,11nm,0.7s	pmx	pmx			
WMQ	comp=Z,200nm,5.1s	LR	LR			
TIA	comp=Z,200nm,22.7s					
TIA	Tai'an	42.12	34 P	P	21 39 28.6	+0.9
TIA			pmx	pmx		
AAK	comp=Z,12nm,0.8s					
AAK	Ala-Archa	42.40	343 P	P	21 39 30.9	+0.8
AAK			comp=Z,1.3nm,0.8s,baz=136,slow=12,SNR=4.8			
AAK	Ala-Archa	42.40	343 eP	P	21 39 31.7	+1.7
AAK			comp=Z,1.6nm,0.8s			
AAK	Ala-Archa	42.40	343 eP	P	21 39 31.7	+1.7
AAK			comp=Z,2.0nm,0.8s			
HHC	Hu-ho-hao-tse	43.08	24 eP	P	21 39 38.6	+3.0
HHC			sP	sP	21 39 45.7	+5.8
HHC			S	S	21 46 04.3	+2.6
HHC			sS	sS	21 46 17.6	+1.1
HHC			SS	SS	21 49 15.9	+1.6
HHC	comp=Z,15nm,1.0s	pmx	pmx			
HHC	comp=Z,85nm,5.3s	pmx	pmx			
HHC	comp=Z,110nm,16.7s	LR	LR			
HHC	comp=Z,180nm,15.7s	LR	LR			
HHC	comp=Z,110nm,17.1s	LR	LR			
H01W3	Cape Leeuwin H	43.50	151 T	T	22 26 36.2	
H01W3			baz=325,slow=75,SNR=30			
H01W2	Cape Leeuwin H	43.51	151 T	T	22 26 37.1	
H01W2			baz=325,slow=75,SNR=30			
H01W1	Cape Leeuwin H	43.52	151 T	T	22 26 29.9	
H01W1			baz=325,slow=75,SNR=22			
NWAO	Narrogin (SRO)	43.62	146 P	P	21 39 40.0	+0.7
NWAO			comp=Z,1.4nm,1.0s,baz=142,slow=9.0,SNR=2.3			
KK31	Karatay Array	44.08	340 eP	P	21 39 43.8	+0.3
KK31			comp=Z,1.4nm,1.0s,baz=142,slow=9.0,SNR=2.3			
KKAR	Karatay Array	44.08	340 eP	P	21 39 44.0	+0.5
KKAR			comp=Z,1.4nm,1.0s,baz=142,slow=9.0,SNR=2.3			
KKAR	Karatay Array	44.08	340 eP	P	21 39 44.0	+0.5
KKAR			comp=Z,1.4nm,1.0s,baz=142,slow=9.0,SNR=2.3			
JOW	Kunigami	44.18	53 eP	P	21 57 38.0	
JOW			comp=Z,9.3nm,0.7s,baz=315,slow=2.9,SNR=5.9			
JOW	Kunigami	44.18	53 eP	P	21 57 38.0	
JOW			comp=Z,6.7nm,2.1s,baz=289,slow=35			
BJI	Beijing	44.50	291 eP	P	21 39 47.7	+0.9
BJI			comp=Z,1.4nm,0.9s			
BJI			comp=Z,2.0nm,1.0s			
MK01	Makanchi Array	44.73	353 eP	P	21 39 48.4	-0.3
MK31	Makanchi Array	44.76	353 eP	P	21 39 49.2	+0.3
MK31			comp=Z,2.2nm,0.6s,baz=171,slow=9.0,SNR=24			
MKAR	Makanchi Array	44.76	353 eP	P	21 39 48.8	-0.1
MKAR			comp=Z,2.2nm,0.6s,baz=171,slow=9.0,SNR=24			
MKAR	Makanchi Array	44.76	353 eP	P	21 39 49.0	+0.1
MKAR			comp=Z,2.2nm,0.6s,baz=171,slow=9.0,SNR=24			
GEYT	Alibeck	45.80	325 P	P	21 39 57.6	+0.3
GEYT			comp=Z,1.3nm,0.5s,baz=146,slow=8.2,SNR=6.9			
OPO	Ambोधidratompo	46.79	242 LR	LR	21 57 13.4	
OPO			comp=Z,5.7nm,1.9s,baz=64,slow=3.9			
SONM	Songino Array	47.54	15 P	P	21 40 11.8	+1.0
SONM			comp=Z,1.9nm,0.7s,baz=196,slow=9.2,SNR=66			
SONM			LR	LR	22 02 20.4	
SONM	comp=Z,1.81nm,20.6s,baz=194,slow=39					
SONA	Songino Array	47.55	15 eP	P	21 40 11.7	+0.7
SONA			comp=Z,1.9nm,0.7s,baz=196,slow=9.2,SNR=66			
RAYN	Ar Rayn	47.74	300 eP	P	21 40 14.2	+1.5
RAYN			comp=Z,2.2nm,0.8s			
ULN	Ulaanbaatar	47.74	16 eP	P	21 40 12.9	+0.4
ULN			comp=Z,1.2nm,0.9s			
ULN	Ulaanbaatar	47.74	16 eP	P	21 40 13.2	+0.7
ULN			comp=Z,1.2nm,0.9s			
WRA	Warrnamung Arr	48.98	119 P	P	21 40 22.4	+0.1
WRA			comp=Z,3.3nm,0.7s,baz=128,slow=8.6,SNR=30			
KURBB	Kurchatov Arra	49.05	351 P	P	21 40 22.3	0.0
KURBB			comp=Z,2.7nm,0.8s,baz=176,slow=7.2,SNR=17			
KURK	Kurchatov	49.12	351 eP	P	21 40 22.6	-0.3
KURK			comp=Z,2.5nm,1.0s			
KURK	Kurchatov	49.12	351 eP	P	21 40 23.3	+0.5
KURK			comp=Z,2.5nm,1.0s			
JNU	Nakatsue	49.15	47 LR	LR	22 01 27.9	
JNU			comp=Z,1.2nm,21.4s,baz=193,slow=36			
ZAK	Zakamensk	49.22	11 eP	P	21 40 23.7	0.0
ZAK			comp=Z,1.2nm,21.4s,baz=193,slow=36			
KSAR	Wonju Array Be	49.42	40 P	P	21 40 24.9	-0.5
KSAR			comp=Z,1.2nm,21.4s,baz=193,slow=36			
KS01	Wonju Array Si	49.45	40 eP	P	21 40 25.5	0.0
KSRS	Korea Array	49.45	40 P	P	21 40 24.9	-0.7
KSRS			comp=Z,3.2nm,0.9s,baz=220,slow=9.4,SNR=13			
KSRS			LR	LR	22 02 04.9	
KSRS	comp=Z,50nm,18.7s,baz=218,slow=37					
ASAR	Alice Springs	50.08	124 P	P	21 40 30.3	-0.5
ASAR			comp=Z,1.2nm,1.0s,baz=286,slow=7.0,SNR=6.4			
ASAR	Alice Springs	50.08	124 eP	P	21 40 31.1	+0.4
ASAR			comp=Z,1.2nm,1.0s,baz=286,slow=7.0,SNR=6.4			
ASAR			pmx	pmx		
TLY	Talaya	50.52	11 eP	P	21 40 35.8	+2.2
TLY			comp=Z,1.0nm,1.0s			
ZAAO	Zalesovo Array	51.60	356 eP	P	21 40 41.3	-0.3
ZAAO			comp=Z,2.0nm,0.6s			
ZALV	Zalesovo Beam	51.60	356 P	P	21 40 41.3	-0.3
ZALV			comp=Z,3.8nm,0.6s,baz=174,slow=8.0,SNR=15			
ZALV			LR	LR	22 03 36.8	
CN2	Changchun	51.99	32 eP	P	21 40 47.1	+2.5
CN2			comp=Z,82nm,21.8s,baz=256,slow=37			
CN2			pmx	pmx		
NVS	Novosibirsk	52.61	355 eP	P	21 40 48.1	-0.9
NVS			comp=Z,10.0nm,0.6s			
BVAR	Borovoye Array	53.02	345 P	P	21 40 51.2	-0.9
BVAR			comp=Z,1.0nm,0.7s,baz=151,slow=9.2,SNR=8.1			
BVAR			LR	LR	22 04 24.1	
BRVK	Borovoye	53.08	345 eP	P	21 40 52.7	+0.2
BRVK			comp=Z,85nm,18.6s,baz=132,slow=37			
BRVK			pmx	pmx		
BRVK			comp=Z,5.0nm,2.5s			
ABKAR	Akbulak array	53.24	336 eP	P	21 40 54.6	+0.3
AKTO	Aktyubinsk	54.95	336 LR	LR	22 05 13.9	
AKTO			comp=Z,60nm,20.7s,baz=193,slow=37			
GNI	Garni	55.46	319 LR	LR	22 04 17.6	
GNI			comp=Z,31nm,21.6s,baz=132,slow=35			
GUM	Guam	55.54	75 LR	LR	22 04 58.0	
GUM			comp=Z,33nm,19.9s,baz=219,slow=36			
JHU	Hachio jima 2	55.86	51 LR	LR	22 04 38.0	
JHU			comp=Z,58nm,20.8s,baz=200,slow=36			
USRK	Ussuriysk Ar.	55.90	36 P	P	21 41 13.2	-0.1
USRK			comp=Z,4.7nm,0.9s,baz=240,slow=6.4,SNR=9.7			
USRK			LR	LR	22 07 18.4	
USRK	comp=Z,73nm,18.4s,baz=229,slow=38					

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MAT	Matsushiro	56.07	47 P	P	21 41 14.8	+0.2
MJAR	Matsushiro Arr	56.07	47 P	P	21 41 14.7	0.0
MJAR			comp=Z,4.4nm,0.9s,baz=220,slow=7.3,SNR=11			
MJAR			LR	LR	22 05 26.1	
MJAO	Matsu Arr-Zio	56.10	47 eP	P	21 41 15.1	+0.2
MJAO			comp=Z,85nm,21.8s,baz=225,slow=36			
KBZ	Khabaz	58.48	322 P	P	21 41 31.9	+0.4
KBZ			comp=Z,2.7nm,0.9s,baz=137,slow=5.7,SNR=6.2			
BOD	Bobado	58.54	15 eP	P	21 41 31.7	+0.1
BOD			comp=Z,14nm,0.9s			
KIV	Kislovodsk	58.73	322 eP	P	21 41 31.9	-1.5
KIV			comp=Z,4.0nm,0.9s			
KLR	Kul'dur	58.82	31 iP	P	21 41 33.5	-0.3
ARU	Arti	59.45	340 iP	P	21 41 36.4	-1.6
ARU			comp=Z,2.0nm,0.8s,baz=315,slow=8.9,SNR=4.5			
ARU			S	S	21 49 43.6	-3.5
ARU			SS	SS	21 53 34.2	-8.1
ARU			pmx	pmx		
CTA	Charters Tower	59.66	115 P	P	21 41 40.5	+0.4
CTA			comp=Z,2.8nm,0.8s,baz=279,slow=9.6,SNR=3.8			
STKA	Stevens Creek	59.71	129 P	P	21 41 39.9	-0.3
STKA			comp=Z,2.2nm,0.8s,baz=315,slow=8.9,SNR=4.5			
STKA			LR	LR	22 08 25.3	
STKA	comp=Z,58nm,18.6s,baz=316,slow=37					
STKA	Stevens Creek	59.71	129 P	P	21 41 39.9	-0.3
STKA			comp=Z,0.7nm,0.8s			
BR131	Keekin Array S	62.94	314 eP	P	21 42 02.0	-0.2
BR131			comp=Z,2.0nm,0.8s,baz=132,slow=7.6,SNR=9.4			
BRTR	Keekin Array B	62.94	314 eP	P	21 42 01.6	-0.6

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like TRTB Turuntaevo, ARS Arshan, ZAK Zakamensk, KELR Kotokel, MOY Mondy, MXMB Maximikha, ORL Orlik, ULN Ulanbaatar, YLYR Ulyunkhan, NIZ Nizh Angarsk, KPC Khapcheringa, KMO Kumora, UKT Ukait, SVKR Severomuysk, NLYR Nelyaty, BOD Bodaibo, TUP Tupik.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ERVC ERVIS-VAN, ERVC ERVIS-VAN, VMUR Van-Muradiye, GURO Guroymak-BITLI, SRTM Siirt\_Merkez, CLDR Caldiran, SIRM Sirmak, TUTA Tutak, KARACOBAN Karacoban, KARACOBAN Karacoban, HANUR-AGRY Hanur-Agry, DIYADIN Diyadin, YOVAK Hakkari\_Y...kse, VARTO-MUS Varto-Mus, SILVAN-SILVAN-SILVAN, BATMAN Batman, ELESKIRT Eleşkirt, IGDIR IGDIR, TASBURUN-IGDIR, ERZURUM ERZURUM, KOP Dag, DOKOP DOKOP, DENIKENT DENIKENT, SENKAYA-ERZURUM, MAZIDA MAZIDA, AKYAKA AKYAKA, DIYARBAKIR DIYARBAKIR, KOP DAGI KOP DAGI, KOP DAGI KOP DAGI, DENIKENT DENIKENT, TUNCELI-MERKEZ TUNCELI-MERKEZ, ERZINCAN ERZINCAN, BAYBURT BAYBURT, PERTEK PERTEK, UZUMLU UZUMLU, SIRVICE-ELAZIZ, SIRVICE-ELAZIZ, AYD-ANTEPE-BAY, AYD-ANTEPE-BAY, ERZINCAN ERZINCAN, CAYRELI-RIZE, CAYRELI-RIZE, BORCKA BORCKA, BORCKA BORCKA, KELTIT KELTIT, REFAHIYE-ERZURUM REFAHIYE-ERZURUM, DAVID-GAREJI DAVID-GAREJI, KEMALIYE KEMALIYE.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KCSI Kotacane, LHMI Lhok Sumawe, MNSI Mandailing Nat, SISI Saibi, PPI Padang Panjang, PDSI Padang, BKNI Bangkinang, KULM Kulim, IPM Ipo, PPSI Pulau Pagai, MASI Maura Aman, MDSI Maura Dua, PALK Pateleke, CMAR Chiang Mai, DMN Daman, GUN Gumba, GKN Gorkha, KOLN Kolonda, LSA Lhasa, DANN Dangsig, LYUW Luuwuk, MKAR Makanchi Array, WONA Warramunga, SRM Songoing Array, GEYT Geyt, KURB Kurchatov, KURK Kurchatov, ZALV Zalesovo Beam, BVAR Borovoye Array, ABKAR Akbulak array, KBZ Khabaz, BRTR Keskin Array, FINES Finess Array B, GERES GERES Array B, TXAR Lajitas Array, ISCJB 0722:34:27.9:0.4, 3:33N:0:03:128:33E:0:05, h45km, mb3.9/15, MS3.1/5, Error ellipse: s-maj=7.4km, DJA 0722:34:30.2:1.5, 3:33N:12:38E, h20km, 18km, M4.5/7, mb4.5/6, mb5.1/5, MLV4.5/7, Mw(MB)4.5/5, NEIC 0722:34:31.1:2, 3:30N:128:39E, h60km, 11km, mb4.3/6, Error ellipse: s-maj=18.8km s-min=6.9km az=67.0, IDC 0722:34:31.7:3.4, 3:36N:128:53E, h73km, 36km, mb6.1/0, Ms1.3/1.7, mb1mx3.5/3, mbtmp3.9/11, ML4.4/1.1, MS3.1/7, Ms1.3/1.7, ms1mx2.8/34, Error ellipse: s-maj=40.4km s-min=14.5km az=73.0, ISC 0722:34:29.7:0.7, 3:32N:0:05:128:38E:0:07, h45km, n42, e1945/37, mb3.9/15, MS3.0/5, North of Malahera, TNTI Ternate, LBMI Labuha, DAV Davo City (W), DAV Davo City (E), SIJU Sorong, SANI Sanana, MRSI Marisa, LUWI Luwuk, LUWI Luwuk, FAKI Fak Fak, APSI Ampama, MRSI Mapaga, MYLMD Lahad Datu, MTN Mantan Dam, GUMO Guam, FITZ Fitzroy Crossi, JOW Kungimi, WRAB Tennant Creek, WRA Warramunga Arr, WB2 Warramunga Arr, ASAR Alice Springs, ASO1 Alice Springs, JUNU Nakatsue, CMAR Chiang Mai Arr, KSRS Koroit Creek, MJAR Matsushiro Arr, STKA Stephens Creek, H11S1 WAKE ISLAND HY, H11S2 WAKE ISLAND HY, KLR Kul'dur, SON1 Songoing Array, SKM1 Sankhaya Creek, MKAR Makanchi Array, MKAR Makanchi Array.

ISK 0721:37:57.3, 38:43N:43:01E, h5km, ML3.3/20
ATA 0721:37:57.1, 0.4, 38:39N:42:97E, h4km, 12km, ML4.2, MW3.9
IASPEI 0721:37:58.5, 0.9, 38:40N:0:02:43:06E:0:03, h6km, 7km,
Error ellipse: s-maj=4.0km s-min=3.3km az=124.0, GTS
selection from ISC bulletin GTS1 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 0721:37:58.4, 0.2, 38:41N:43:07E, h2km, ML3.5, Error
ellipse: s-maj=4.4km s-min=2.9km az=130.0
DDA 0721:37:58.5, 38:39N:43:07E, h8km, ML3.5
ISC 0721:37:58.4, 0.8, 38:39N:0:02:43:07E:0:02, h6km, 6km,
n100, c0885/112, 2D, Turkey
Code Station Name Az Az2 Phase ID Time Res ISC
GEVA Gevas 0.08 185 i P Pg 21 38 00.0 -0.5
GEVA Gevas 0.08 185 i P Pg 21 38 02.2 +0.3
GEVA Gevas 0.08 185 i P Pg 21 38 02.6

IDC 0721:57:57.8, 1.6, 4:53N:126:94E, h0km, mb3.6/5,
mb1.3/7.5, mb1mx3.4/6.0, mbtmp3.6/5, MS3.1/1, Ms1.3/1.1,
ms1mx2.2/37, Error ellipse: s-maj=108.5km
s-min=20.1km az=71.0, Talaud Islands
Code Station Name Az Az2 Phase ID Time Res ISC
BATI Baumata 15.00 193 LR 22 08 45.2
FITZ Fitzroy Crossi 22.52 183 P 22 02 59.9 +0.5
WRA Warramunga Arr 25.38 164 P 22 03 26.9 -0.1
ASAR Alice Springs 28.84 167 P 22 03 57.8 -0.3
MKAR Makanchi Array 57.02 325 P 22 07 44.3 -1.3
ZALV Zalesovo Beam 59.93 393 S 22 08 06.9 +1.0
IDC 0722:05:56.8, 1.3, 2:03N:93:19E, h0km, mb3.9/11,
mb1.4/1.13, mb1mx3.7/7.1, mbtmp3.9/13, ML4.0/2, Error
ellipse: s-maj=38.4km s-min=24.5km az=41.0
NEIC 0722:05:58.9, 3.6, 2:03N:93:18E, h15km, 22km, mb4.1/2,
Error ellipse: s-maj=14.6km s-min=7.8km az=202.0
ISCJB 0722:05:59.0, 0.5, 0:05N:0:05:93:25E:0:04, h6km,
mb4.0/13, Error ellipse: s-maj=7.9km s-min=4.6km
az=27.3
DJA 0722:05:59.2, 1.3, 2:N4:9:3E:1:3, h27km, 24km, M4.8/12,
mb4.9/12, mb5.5/6, MLV4.8/11, Mw(MB)5.0/6
ISC 0722:06:02.0, 0.7, 2:12N:0:07:93:32E:0:06, h35km, n45,
c234/33, mb4.1/13, Off west coast of northern
Sumatera
Code Station Name Az Az2 Phase ID Time Res ISC
MSLI Meulaboh, Aceh 3.74 55 P S 22 06 58.6 +1.3
MLSI MLI 3.74 55 P S 22 07 34.5 -5.7
BPTI Banda Aceh 3.89 30 P P 22 06 59.6 +0.2
TSSI TSSI 4.02 73 P P 22 07 01.9 +0.9
GSI Gunungsitoli 4.33 101 P P 22 07 06.7 +1.4
GSI Gunungsitoli 4.33 101 P P 22 07 07.0 +0.9
GSI Gunungsitoli 4.33 101 P S 22 07 49.5 -5.1

ISCJB 0722:34:27.9:0.4, 3:33N:0:03:128:33E:0:05, h45km,
mb3.9/15, MS3.1/5, Error ellipse: s-maj=7.4km
DJA 0722:34:30.2:1.5, 3:33N:12:38E, h20km, 18km, M4.5/7,
mb4.5/6, mb5.1/5, MLV4.5/7, Mw(MB)4.5/5
NEIC 0722:34:31.1:2, 3:30N:128:39E, h60km, 11km, mb4.3/6,
Error ellipse: s-maj=18.8km s-min=6.9km az=67.0
IDC 0722:34:31.7:3.4, 3:36N:128:53E, h73km, 36km, mb6.1/0,
Ms1.3/1.7, mb1mx3.5/3, mbtmp3.9/11, ML4.4/1.1, MS3.1/7,
Ms1.3/1.7, ms1mx2.8/34, Error ellipse: s-maj=40.4km
s-min=14.5km az=73.0
ISC 0722:34:29.7:0.7, 3:32N:0:05:128:38E:0:07, h45km, n42,
e1945/37, mb3.9/15, MS3.0/5, North of Malahera
Code Station Name Az Az2 Phase ID Time Res ISC
TNTI Ternate 2.73 202 ePn 22 35 11.6 +0.5
LBMI Labuha 4.03 193 P 22 35 39.7 -3.1
DAV Davo City (W) 4.66 323 LR 22 37 44.3
DAV Davo City (E) 4.66 323 LR 22 37 44.3
SIJU Sorong 5.06 145 P 22 35 28.8 -1.5
SANI Sanana 5.85 204 P 22 35 53.6 -0.3
MRSI Marisa 7.03 246 P 22 36 10.4 +0.2
LUWI Luwuk 7.09 232 P 22 36 12.0 +1.0
LUWI Luwuk 7.09 232 ePn 22 37 30.5 +0.3
LUWI Luwuk 7.09 232 ePn 22 36 11.9 +1.0
LUWI Luwuk 7.09 232 ePn 22 36 10.4 +0.2
FAKI Fak Fak 7.30 148 ePn 22 36 15.3 +1.4
APSI Ampama 7.94 238 P 22 36 23.0 +0.4
MRSI Mapaga 8.98 251 P 22 36 37.4 +0.5
MYLMD Lahad Datu 10.03 281 ePn 22 36 59.9 +8.6
MTN Mantan Dam 16.29 170 ePn 22 38 17.1 -0.8
GUMO Guam 19.22 57 LR 22 45 02.3
FITZ Fitzroy Crossi 21.45 187 P 22 39 13.2 -1.2
JOW Kungimi 23.36 360 LR 22 47 39.2
WRAB Tennant Creek 23.84 166 eP 22 39 38.6 -0.3
WRA Warramunga Arr 23.85 166 P 22 39 39.0 -0.0
WB2 Warramunga Arr 23.85 166 eP 22 39 39.2 +0.1
ASAR Alice Springs 23.76 169 P 22 42 10.5 -0.3
ASO1 Alice Springs 27.36 169 eP 22 40 10.1 -0.8
JUNU Nakatsue 29.74 4 LR 22 51 20.3
CMAR Chiang Mai Arr 32.50 300 P 22 40 57.7 +1.2
KSRS Koroit Creek 33.97 359 LR 22 53 59.8
MJAR Matsushiro Arr 34.28 14 LR 22 52 57.8
STKA Stephens Creek 37.19 161 eP 22 41 36.0 -0.6
H11S1 WAKE ISLAND HY 40.10 65 T 23 25 07.5
H11S2 WAKE ISLAND HY 40.15 65 T 23 25 08.5
KLR Kul'dur 45.83 3 P 22 42 45.7 -1.6
SON1 Songoing Array 48.22 340 P 22 43 06.6 +0.4
SKM1 Sankhaya Creek 48.22 340 P 22 44 29.2 +5.6
MKAR Makanchi Array 58.84 325 P 22 44 22.5 -1.4
MKAR Makanchi Array 58.84 325 P 22 44 22.5 -1.4



Table with columns: Call Sign, Frequency, Mode, Power, and other parameters. Includes stations like ANKY, ARG, SMG, KARY, etc.

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

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

NSSP 08:00:06:36.5, 41.45N:46.62E, h10km, Ms3.0
CSEEM 08:00:06:37.8, 0.3, 41.50N:46.78E, h2km, ML3.0, Error
ellipse: s-maj=5.6km s-min=3.6km az=146.0
TIF 08:00:06:37.3, 41.69N:46.76E, h12km, 4km
ATA 08:00:06:37.0, 0.6, 41.81N:46.67E, h15km, ML4.0, MW3.0
MOS 08:00:06:38.0, 1.5, 41.47N:46.81E, h1km, mb4.0/1, Error
ellipse: s-maj=7.0km s-min=4.4km az=99.3
DDA 08:00:06:40.1, 41.47N:46.48E, h8km, ML2.6
ISC 08:00:06:38.1, 1.1, 41.52N:0.02:46.73E, 0.02, h10km, 8km,
n93, r131/169, 7C-3D, Eastern Caucasus

NEIC 07:23:57:53.8, 0.0, 15.97N:98.51W, h15km, MD4.3(MEX), After MEX.

MEX 07:23:57:53.6, 1.2, 15.97N:98.50W, h13km, 19km, MD4.3, Off coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and other parameters. Includes stations like PINIG, TLIG, etc.

8d 0h

Table with columns: Station Name, Code, Time, Res, and various parameters. Includes stations like GNI, KMGR, LACR, etc.

NIED 08 00:16:00,37.70N,141.80E,h3km,Mw4.1 Best double couple: Mo=1.74000e+105 NP1=0.00000e+023,0.00000e+0, 1.57.00000e+0. NP2=0.224.00000e+0, 671.00000e+0, 1.103.00000e+0

BUI 08 00:16:36.6,37.61N,142.28E,h35km,mb4.5/36,mb4.6/21,Ms3.9/17,Ms7.3/13

ISCB 08 00:16:37.1,0.37,37.66N,103.141,91E,0.04,h15km,4km,mb4.1/41,MS3.5/12, Error ellipse: s-maj=5.5km s-min=3.8km az=35.3

JMA 08 00:16:38.6,0.1,37.67N,141.79E,h20km,2km,M4.2 JMA Felt J1

MOS 08 00:16:39.5,1.2,37.62N,141.90E,h33km,mb4.4/20, Error ellipse: s-maj=10.2km s-min=6.7km az=94.5

NEIC 08 00:16:41.0,1.5,37.63N,141.93E,h37km,10km,mb4.3/5, Error ellipse: s-maj=23.0km s-min=10.6km az=109.0

NEIC Recorded [1 JMA] in Fukushima, Iwate and Miyagi. IDC 08 00:16:42.8,1.5,37.61N,141.88E,h43km,14km,MS3.7/26,mb1.3/9/12,mb1mx3.8/72,mbtmp4.0/32,ML3.5/5,MS2.9/12,Ms1.3/0/12,ms1mx2.7/71, Error ellipse: s-maj=13.4km s-min=9.0km az=109.0

ISC 08 00:16:38.0-1.2,37.66N,103.141,37E,0.04,h11km,6km,n107,e183/123,mb4.2/41,MS3.4/12,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, and various parameters. Includes stations like JFK, JMM, JIO, etc.

2012 MAY

Main table with columns: Station Name, Code, Time, Res, and various parameters. Includes stations like KUR, YSS, USRK, etc.

450

Table with columns: Station Name, Code, Time, Res, and various parameters. Includes stations like KSH, AAK, INK, etc.

IDC 08 00:20:39.1,2.6,36.67S,53.00E,h0km,mb3.4/2, mb1.3/7/2,mb1mx3.1/55,mbtmp3.4/27, Error ellipse: s-maj=170.3km s-min=35.3km az=42.0, South Indian Ocean

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, and various parameters. Includes stations like H01W2, H01W3, etc.

IDC 08 00:32:53.8,0.5,14.48S,167.25E,h148km,3km,mb4.6/37,mb1.4/7/39,mb1mx4.6/54,mbtmp5.0/39,MS3.6/17,Ms1.3/6/17,ms1mx3.4/43, Error ellipse: s-maj=9.0km s-min=7.7km az=116.0

BUI 08 00:32:54.4,13.99S,167.30E,h155km,mb4.9/52,mb4.8/33

NEIC 08 00:32:54.6,0.1,14.38S,167.21E,mb4.8/105, Error ellipse: s-maj=3.5km s-min=3.0km az=141.0

GCMT 08 00:32:54.6,0.2,14.48S,167.10E,h157km,1km,MW5.1/101, Moment Tensor Solution. s72,c87,s101,c144; Duration: O Moment tensor: Scale 10^16Nm; Mo=1.04e+10; M0=0.10e+14; M0=5.04e+13; Mo=1.04e+10; M0=0.10e+14; Best double couple: Mo=4.99000e+105 NP1=0.332.00000e+0, 851.00000e+0, 1.67.00000e+0 NP2=0.185.00000e+0, 845.00000e+0, 1.15.00000e+0

Principal axes: T=5.7290,Plg72.0000; Azm178.0000; N=0.4610,Plg17.0000; Azm347.0000; P=-5.2690,Plg3.0000; Azm78.0000; nst1 refers to body waves, cutoff=40s; nst2 refers to surface waves, cutoff=50s

MOS 08 00:32:55.8,0.8,14.44S,167.13E,h169km,mb4.9/46, Error ellipse: s-maj=8.2km s-min=7.3km az=132.2

ISCB 08 00:32:55.8,0.8,14.44S,167.13E,0.04,h177km,7km,mb4.8/178, Error ellipse: s-maj=4.7km s-min=4.1km az=164.5

ISC 08 00:32:55.2,0.4,14.42S,167.21E,0.04,h159km,3km,h159km,pP-P,n480,e19145/14,mb4.9/178,18C-14D, Vanuatu Islands

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, and various parameters. Includes stations like DZM, GKN, etc.







Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Castelo Branco, PTOM, PMRV, etc.

MEX 00:00:49.512.0.6, 16.11N-98.11W, h8km,4km, MD3.5, Near coast of Guerrero

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

DDA 08 01:00:36.5, 40.74N, 36.54E, h7km, ML2.5

ISC 08 01:00:36.6, 40.61N, 36.95E, h2km, ML1.9/8

CSEM 08 01:00:39.1-0.2, 40.58N-36.77E, h2km, ML2.5, Error ellipse: s-maj=6.4km s-min=5.2km az=177.0

ISC 08 01:00:38.2, 1.0, 40.62N, 0.04, 36.83E, 0.03, h13km, 7km, n25, c150/30, Turkey

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

ISC/JB 08 01:11:38.1, 0.5, 35.48N, 0.04, 53.38E, 0.05, h10km, Error ellipse: s-maj=5.8km s-min=5.5km az=164.4

TEH 08 01:11:39.3, 35.43N, 53.31E, h9km, ML3.8

CSEM 08 01:11:39.2, 0.3, 35.46N, 53.32E, h10km, ML3.8, Error ellipse: s-maj=6.3km s-min=7.7km az=179.0

THR 08 01:11:40.8, 0.9, 35.33N, 53.32E, h36km, 10km, ML3.9

ISC 08 01:11:38.1, 0.8, 35.45N, 0.04, 53.31E, 0.03, h10km, n52, c204/58, 4C, Northern and central Iran

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

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

ISC/JB 08 01:14:40.2, 0.3, 51.47N, 0.02, 16.19E, 0.02, h0km, mb3.2/3, MS2.5/1, Error ellipse: s-maj=2.4km s-min=1.8km az=19.0

CSEM 08 01:14:42.0, 0.1, 51.46N, 16.21E, h2km, ML3.7/10, Mw2.9, Error ellipse: s-maj=3.0km s-min=2.4km az=21.0

IDC 08 01:14:43.0, 0.6, 51.44N, 16.13E, h0km, mb3.3/3, mb1 3.4/10, mb1mx3.3/69, mbtmp3.3/10, ML3.3/7, Ms1 2.7/1, ms1mx1.7/44, Error ellipse: s-maj=12.7km s-min=6.4km az=101.0

BGR 08 01:14:43.6, 0.3, 51.40N, 16.20E, h1km, ML3.2/16, Error ellipse: s-maj=4.4km s-min=2.2km az=14.0

PRU 08 01:14:43.4, 51.43N, 16.16E, h0km

VIE 08 01:14:46.2, 0.7, 51.18N, 16.27E, h0km, mb2.7/7, ml2.9/9, Error ellipse: s-maj=6.7km s-min=5.2km az=59.0 52 km WNW of Wroclaw Suspected Mining induced

UPP 08 01:14:46.2, 3.1, 51.61N, 15.14E, h0km, ML2.1

WAR 08 01:14:47.9, 51.02N, 15.80E, h1km, Mw2.9

ISC 08 01:14:40.9, 0.6, 51.50N, 0.02, 16.20E, 0.02, h0km, n131, c131/229, mb3.1/3, 16D, Poland

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

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.5 +0.5

DPC Dobruska-Polom 1.16 176 iPg Pg 01 15 03.6 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.7 +0.3

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.5 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.6 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.7 +0.3

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.5 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.6 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.7 +0.3

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.5 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.6 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.7 +0.3

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.5 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.6 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.7 +0.3

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.5 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.6 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.7 +0.3

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.5 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.6 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.7 +0.3

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.5 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.6 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.7 +0.3

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.5 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.6 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.7 +0.3

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.5 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.6 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.7 +0.3

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.5 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.6 +0.5

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

ISC/JB 08 01:14:40.2, 0.3, 51.47N, 0.02, 16.19E, 0.02, h0km, mb3.2/3, MS2.5/1, Error ellipse: s-maj=2.4km s-min=1.8km az=19.0

CSEM 08 01:14:42.0, 0.1, 51.46N, 16.21E, h2km, ML3.7/10, Mw2.9, Error ellipse: s-maj=3.0km s-min=2.4km az=21.0

IDC 08 01:14:43.0, 0.6, 51.44N, 16.13E, h0km, mb3.3/3, mb1 3.4/10, mb1mx3.3/69, mbtmp3.3/10, ML3.3/7, Ms1 2.7/1, ms1mx1.7/44, Error ellipse: s-maj=12.7km s-min=6.4km az=101.0

BGR 08 01:14:43.6, 0.3, 51.40N, 16.20E, h1km, ML3.2/16, Error ellipse: s-maj=4.4km s-min=2.2km az=14.0

PRU 08 01:14:43.4, 51.43N, 16.16E, h0km

VIE 08 01:14:46.2, 0.7, 51.18N, 16.27E, h0km, mb2.7/7, ml2.9/9, Error ellipse: s-maj=6.7km s-min=5.2km az=59.0 52 km WNW of Wroclaw Suspected Mining induced

UPP 08 01:14:46.2, 3.1, 51.61N, 15.14E, h0km, ML2.1

WAR 08 01:14:47.9, 51.02N, 15.80E, h1km, Mw2.9

ISC 08 01:14:40.9, 0.6, 51.50N, 0.02, 16.20E, 0.02, h0km, n131, c131/229, mb3.1/3, 16D, Poland

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

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.5 +0.5

DPC Dobruska-Polom 1.16 176 iPg Pg 01 15 03.6 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.7 +0.3

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.5 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.6 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.7 +0.3

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.5 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.6 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.7 +0.3

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.5 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.6 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.7 +0.3

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.5 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.6 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.7 +0.3

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.5 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.6 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.7 +0.3

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.5 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.6 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.7 +0.3

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.5 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.6 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.7 +0.3

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.5 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.6 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.7 +0.3

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.5 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.6 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.7 +0.3

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.5 +0.5

DPC Dobruska-Polom 1.16 176 ePg Pg 01 15 03.6 +0.5



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DLMR, MAK, GROG, GRS, GNI, etc.

IDC 08 01:24:57.4±1.7, 18.05Sx178.46W, h612km, 19km, mb3.4/16, mb1 3.6/18, mb1mx3.3/53, mbtmp4, 3/18, Error ellipse: s-maj=18.4km s-min=11.6km az=145.0

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

ISC 08 01:24:59.0±1.8, 18.05Sx178.50W, h630km, n101, ±106/102, mb4.0/29, 4C-3D, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA, ASO1, ASAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ILAR, TXAR, PD31, etc.

ISC 08 01:25:42.4±1.3, 17.75Sx178.6W, h579km, mb3.5/9, Error ellipse: s-maj=55.7km s-min=18.6km az=152.4

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

ISC 08 01:25:42.9±1.3, 17.85Sx178.5W, h579km, n12, ±87/114, mb3.5/9, Fiji Islands region

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

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

MEX 08 01:31:15.2±0.3, 16.30N:98.47W, h8km±3km, MD4.0, Near coast of Guerrero

MOS 08 01:35:42.7±1.9, 50.19N:111.30E, h10km, mb4.4/1, Error ellipse: s-maj=52.5km s-min=30.6km az=122.8



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MYS Shipunski, NALYTchevo, RUSKAYA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SPITS Spitsbergen Ar, KURK Kurchatov, KURBB Kurchatov Ar, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JTS JuntasAbangare, CMIG Matias Romero, TXAR Lajitas Array, etc.

ISCJB 08 02:31:13.7.0.3.39.11N.0.01:29.08E.0.02,h2km,2km, Error ellipse: s-maj=2.4km s-min=2.1km az=168.9

THE 08 02:31:14.6.39.08N.29.14E,h2km,2km,ML3.0.5, Error ellipse: s-maj=3.5km s-min=1.0km az=69.0

ATH 08 02:07:26.8.40.89N.19.52E,h5km,3km,ML1.7/4, Error ellipse: s-maj=4.8km s-min=1.6km az=133.0

ATH 08 02:07:30.4.40.76N.19.69E,h2km,ML2.8, Error ellipse: s-maj=10.0km s-min=5.0km az=94.0

ATH 08 02:07:30.4.40.76N.19.69E,h2km,ML2.8, Error ellipse: s-maj=10.0km s-min=5.0km az=94.0

ATH 08 02:07:30.4.40.76N.19.69E,h2km,ML2.8, Error ellipse: s-maj=10.0km s-min=5.0km az=94.0

ATH 08 02:07:30.4.40.76N.19.69E,h2km,ML2.8, Error ellipse: s-maj=10.0km s-min=5.0km az=94.0

ATH 08 02:07:30.4.40.76N.19.69E,h2km,ML2.8, Error ellipse: s-maj=10.0km s-min=5.0km az=94.0

ATH 08 02:07:30.4.40.76N.19.69E,h2km,ML2.8, Error ellipse: s-maj=10.0km s-min=5.0km az=94.0

ATH 08 02:07:30.4.40.76N.19.69E,h2km,ML2.8, Error ellipse: s-maj=10.0km s-min=5.0km az=94.0

ATH 08 02:07:30.4.40.76N.19.69E,h2km,ML2.8, Error ellipse: s-maj=10.0km s-min=5.0km az=94.0

ATH 08 02:07:30.4.40.76N.19.69E,h2km,ML2.8, Error ellipse: s-maj=10.0km s-min=5.0km az=94.0

ATH 08 02:07:30.4.40.76N.19.69E,h2km,ML2.8, Error ellipse: s-maj=10.0km s-min=5.0km az=94.0

ATH 08 02:07:30.4.40.76N.19.69E,h2km,ML2.8, Error ellipse: s-maj=10.0km s-min=5.0km az=94.0



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists various stations like DKL, GULT, BAGO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists various stations like PYUN, KOLN, WMAO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists various stations like APA, APAA, APFA, etc.

ICD 08 02:33:38.8-0.7, 33.94N-87.26E, h0km, mb3.6/4, mb1.3/1.7, mb1mx3.6/7.4, mbtmp3.6/17, ML2.3, MS2.9/8, Ms 1.0/8, ms1mx2.6/6.2, Error ellipse: s-maj=29.1km s-min=15.8km

ICD 08 02:33:42.9-0.4, 34.17N-0.04E, h33km, mb3.5/13, MS3.0/8, Error ellipse: s-maj=11.1km s-min=5.8km az=0.2

ICD 08 02:33:44.9-0.6, 34.16N-0.08E, h35km, n35, s=123/29, mb3.6/13, MS2.9/8, Xizang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like GUN, DANN, JIRN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like MOCB, BBOJ, SIV, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like GUMJ, GAGJ, JAGI, etc.

ICD 08 02:43:04.3-1.0, 67.79N-0.03E, h0km, Error ellipse: s-maj=8.1km s-min=4.7km az=174.9

ICD 08 02:43:04.3-1.0, 67.74N-33.66E, h1km, ML2.3, Error ellipse: s-maj=13.7km s-min=9.1km az=82.0, Mining explosion

ICD 08 02:43:04.3-1.0, 67.76N-33.75E, h0km, Error ellipse: s-maj=8.1km s-min=4.7km az=174.9









Table with columns: PKIN, GKN, DANN, PYUN, ILAR, ILRB, BVAR, BVAK, BRVK, KK31, KK31, KKAR, INK, INK, ARU, ARU, WR1, WRA, WRA, WRA, ABKAR, AKTO, AS31, AS31, AS31, ASAR, ASAR, GEYT, YKA, YKA, YKB, YKB, ARAO, ARAO, ARCES, ARCES, COCO, COCO, COCO, OBN, OBN, OBN, OBN, FIAO, FIAO, FIAO, FIAO, FIAO, JCC, KBZ, KIV, KIV, HFS, HFS, NBS2, NBS2, NBS2, NOA, NOA, AKASG, AKASG, AKASG, AKASG, AKBB, AKBB, NV01, NVAR, PD31, PDAR, BUR04, BR101, BRTR, BRTR, MLR, MLR, MMLA, GERES, LPAZ, LPAZ, LPAZ, LPAZ, LPAZ, TVSB

Table with columns: TVSB, TVSB, TVSB, DURS, DURS, DURS, KULA, KULA, MANT, MANT, MANT, MANT, KHAL, KHAL, ORLT, ORLT, ORLT, ORLT, BALB, BALB, BORA, BORA, BORA, BORA, ARMT, ARMT, YLV, YLV, YLV, GULT, GULT, GULT, GULT

ICD 08 05:50:20.4, 3.4, 10S:146.43E, h0km, mb3.5/2, mb1 3.8/4, mb1mx3.4/4.3, mbtmp3.6/4, ML3.8/1, Error ellipse: s-maj=73.9km s-min=53.2km az=70.0, Eastern

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

ICD 08 06:04:29.6, 0.8, 55.40S:27.75W, h0km, mb4.1/6, mb1 4.3/7, mb1mx3.9/32, mbtmp4.2/7, ML4.8/1, MS3.1/3, Ms1 3.1/3, ms1mx2.9/28, Error ellipse: s-maj=35.9km s-min=18.7km az=68.0

ICD 08 06:04:31.8, 0.5, 55.42S:0.08, 27.9W:0.2, h26km, mb4.2/8, MS3.1/2, Error ellipse: s-maj=17.4km s-min=8.2km

NEIC 08 06:04:34.0, 0.4, 55.46S:27.90W, h35km, mb4.3/5, Error ellipse: s-maj=14.1km s-min=9.1km az=50.0

ISC 08 06:04:33.5, 0.7, 55.45S:0.1, 27.9W:0.1, h26km, n32, 0807/27, mb4.3/8, South Sandwich Islands region

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

ISC 08 06:14:21.4, 0.8, 5.94S:104.07E, h0km, mb4.1/16, mb1 4.3/17, mb1mx4.0/6.3, mbtmp4.1/17, ML4.5/2, MS3.3/3, Ms1 3.4/3, ms1mx2.6/59, Error ellipse: s-maj=34.2km s-min=12.2km az=50.0

DJA 08 06:14:28.9, 1.1, 6.5S:10.4E, h18km, mb4.4/8, ML4.4/8, IDHR

ISC/B 08 06:14:29.7, 0.9, 5.92S:0.09, 104.28E:0.09, h79km, 5km, MB4.1/20, Error ellipse: s-maj=20.2km s-min=5.5km

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

ISC 08 06:14:21.4, 0.8, 5.94S:104.07E, h0km, mb4.1/16, mb1 4.3/17, mb1mx4.0/6.3, mbtmp4.1/17, ML4.5/2, MS3.3/3, Ms1 3.4/3, ms1mx2.6/59, Error ellipse: s-maj=34.2km s-min=12.2km az=50.0

DJA 08 06:14:28.9, 1.1, 6.5S:10.4E, h18km, mb4.4/8, ML4.4/8, IDHR

ISC/B 08 06:14:29.7, 0.9, 5.92S:0.09, 104.28E:0.09, h79km, 5km, MB4.1/20, Error ellipse: s-maj=20.2km s-min=5.5km

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

ISC 08 06:14:29.8, 1.3, 5.27S:10.0, 104.19E:0.09, h62km, 10km, n59, c1506/64, mb4.2/20, Southern Sumatra

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

ISC 08 06:04:31.8, 0.5, 55.42S:0.08, 27.9W:0.2, h26km, mb4.2/8, MS3.1/2, Error ellipse: s-maj=17.4km s-min=8.2km

NEIC 08 06:04:34.0, 0.4, 55.46S:27.90W, h35km, mb4.3/5, Error ellipse: s-maj=14.1km s-min=9.1km az=50.0

ISC 08 06:04:33.5, 0.7, 55.45S:0.1, 27.9W:0.1, h26km, n32, 0807/27, mb4.3/8, South Sandwich Islands region

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

ISC 08 06:14:21.4, 0.8, 5.94S:104.07E, h0km, mb4.1/16, mb1 4.3/17, mb1mx4.0/6.3, mbtmp4.1/17, ML4.5/2, MS3.3/3, Ms1 3.4/3, ms1mx2.6/59, Error ellipse: s-maj=34.2km s-min=12.2km az=50.0

DJA 08 06:14:28.9, 1.1, 6.5S:10.4E, h18km, mb4.4/8, ML4.4/8, IDHR

ISC/B 08 06:14:29.7, 0.9, 5.92S:0.09, 104.28E:0.09, h79km, 5km, MB4.1/20, Error ellipse: s-maj=20.2km s-min=5.5km

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

ISC 08 06:14:21.4, 0.8, 5.94S:104.07E, h0km, mb4.1/16, mb1 4.3/17, mb1mx4.0/6.3, mbtmp4.1/17, ML4.5/2, MS3.3/3, Ms1 3.4/3, ms1mx2.6/59, Error ellipse: s-maj=34.2km s-min=12.2km az=50.0

DJA 08 06:14:28.9, 1.1, 6.5S:10.4E, h18km, mb4.4/8, ML4.4/8, IDHR

ISC/B 08 06:14:29.7, 0.9, 5.92S:0.09, 104.28E:0.09, h79km, 5km, MB4.1/20, Error ellipse: s-maj=20.2km s-min=5.5km

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

ISC 08 06:14:21.4, 0.8, 5.94S:104.07E, h0km, mb4.1/16, mb1 4.3/17, mb1mx4.0/6.3, mbtmp4.1/17, ML4.5/2, MS3.3/3, Ms1 3.4/3, ms1mx2.6/59, Error ellipse: s-maj=34.2km s-min=12.2km az=50.0

DJA 08 06:14:28.9, 1.1, 6.5S:10.4E, h18km, mb4.4/8, ML4.4/8, IDHR

ISC/B 08 06:14:29.7, 0.9, 5.92S:0.09, 104.28E:0.09, h79km, 5km, MB4.1/20, Error ellipse: s-maj=20.2km s-min=5.5km

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

ISC 08 06:14:21.4, 0.8, 5.94S:104.07E, h0km, mb4.1/16, mb1 4.3/17, mb1mx4.0/6.3, mbtmp4.1/17, ML4.5/2, MS3.3/3, Ms1 3.4/3, ms1mx2.6/59, Error ellipse: s-maj=34.2km s-min=12.2km az=50.0

DJA 08 06:14:28.9, 1.1, 6.5S:10.4E, h18km, mb4.4/8, ML4.4/8, IDHR

ISC/B 08 06:14:29.7, 0.9, 5.92S:0.09, 104.28E:0.09, h79km, 5km, MB4.1/20, Error ellipse: s-maj=20.2km s-min=5.5km

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

ISC 08 06:14:21.4, 0.8, 5.94S:104.07E, h0km, mb4.1/16, mb1 4.3/17, mb1mx4.0/6.3, mbtmp4.1/17, ML4.5/2, MS3.3/3, Ms1 3.4/3, ms1mx2.6/59, Error ellipse: s-maj=34.2km s-min=12.2km az=50.0

DJA 08 06:14:28.9, 1.1, 6.5S:10.4E, h18km, mb4.4/8, ML4.4/8, IDHR

ISC/B 08 06:14:29.7, 0.9, 5.92S:0.09, 104.28E:0.09, h79km, 5km, MB4.1/20, Error ellipse: s-maj=20.2km s-min=5.5km



8d 7h

Table with columns: ILIN, HAGD, HKZM, IRAZ, IRAZ. Includes station names like Agdhareh, Kohzaman, Razeghan and their coordinates.

IDC 08 06:28:25.6: 1.0, 36.00S:98.21W, h0km, mb4.2/8, mb1 4.4/8, mb1mx4.1/38, mbtmp4.2/8, MS4.0/23, Ms1 4.0/23, ms1mx4.0/29, Error ellipse: s-maj=30.9km s-min=23.1km az=52.0

ISCJB 08 06:26:8.0: 0.7, 36.2S:0.1:98.1W:0.1, h10km, mb4.2/23, MS4.1/22, Error ellipse: s-maj=22.7km s-min=11.4km az=37.0

NEIC 08 06:28:28.0: 0.8, 36.22S:98.12W, h10km, mb4.4/17, Error ellipse: s-maj=25.0km s-min=12.0km az=217.0

GCMT 08 06:28:28.0: 0.2, 36.37S:98.31W, h16km, 1km, MW5.0/105, Moment Tensor Solution. s59.677; s105.c163; Duration: 0 Moment tensor: Scale 1019Nm; Mir-0.33z. 12; Mso-0.2z. 10; Mso0.53z. 10; Mso1.33z. 31; Mso4.04z. 09; Mso-0.12z. 28; Best double couple: M4.27200x10^16 Np1.273.00000; s72.00000; A-1.00000; Principal axes: T 4.4330, P1g12.0000, Azm46.0000; N -0.3230

Plg72.0000; Azm277.0000; P -4.1100, Plg14.0000; Azm139.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 08 06:28:28.0: 0.9, 36.2S:0.2:98.1W:0.2, h10km, n56, s131/36, mb4.4/22, MS4.1/22, Southeast of Easter Island

Main station list table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists numerous stations like Rapa Nui, Curarehue, Hualaeo, etc.

2012 MAY

Ms1 3.2/11, ms1mx2.9/63, Error ellipse: s-maj=17.2km s-min=8.7km az=88.0

NEIC 08 06:35:02.0: 0.7, 9.06N:126.18E, h85km, 7km, mb4.7/37, Error ellipse: s-maj=7.0km s-min=4.8km az=87.0

ISC 08 06:35:01.6: 0.9, 9.12N:0.03:126.34E:0.06, h71km, 7km, n141, s125/157, mb4.5/60, 2C-6D, Mindanao

Main station list table for Mindanao region with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like Butuan, Bislig, Surigao, Cagayan de Oro, etc.

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Main station list table for the Philippines region with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like PETK, PEA1, MK01, MK31, etc.

MEX 08 06:40:03.0: 0.6, 14.25N:92.56W, h35km, 32km, MD3.7, Near coast of Chiapas

Main station list table for Mexico region with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like PCIG, CCIG, TGIG, etc.

ISCJB 08 07:02:12.9: 0.8, 39.76N:104.141:89E:0.09, h66km, 4km, mb3.7/4, Error ellipse: s-maj=11.1km s-min=5.9km az=3.1

JMA 08 07:02:14.3: 39.76N:104.141:85E, h58km, 1km, M3.4 Broadband fault plane solution: P waves. NP1: s20.00000; s32.00000; A1.12.00000; NP2: s156.00000; s32.00000; A1.12.00000; Principal axes: T P1g63.0000; Azm325.0000; N P1g20.0000; Azm191.0000; P P1g18.0000; Azm94.0000; JMA Felt J1, IDC 08 07:02:22.0: 2.1, 39.59N:141.41E, h126km, 136km, mb3.4/4, mb1 3.5/5, mb1mx3.0/66, mbtmp3.6/5, ML2.8/1, MS3.5/2, Ms1 3.5/2, ms1mx2.4/31 Error ellipse: s-maj=291.0km s-min=23.1km az=66.0





Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like VTS Vitosh, VTA Vitosh, VTA Vitosh, MMAOB Mount Meron Ar, etc.

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

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and other technical details. Includes stations like I46RU ZALESOV INFR, ZALV Zalesov Beam, etc.

ISCJB 08 07:37:39.8 0.4, 18.67S, 0.04, 168.76E, 0.06, h150km, mb4.5/37, Error ellipse: s-maj=8.0km s-min=6.2km az=172.0

IDC 08 07:37:40.2 2.6, 18.72S, 168.79E, h139km, 22km, mb4.0/18, mb1.4/19, mb1mx3.9/44, mbtmp4.5/19, Error ellipse: s-maj=20.2km s-min=13.5km az=61.0

NEIC 08 07:37:41.4 1.8, 18.67S, 168.83E, h154km, 16km, mb4.7/29, Error ellipse: s-maj=11.0km s-min=7.4km az=221.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and other technical details. Includes stations like DZM Mont Dzumac, DZM Mont Dzumac, DZM Mont Dzumac, etc.

CSEM 08 07:31:47.9, 38.40N, 21.84E, h10km, ML1,2/3, ATH 08 07:31:47.9, 38.40N, 21.84E, h10km, 3km, ML1,2/3, Error ellipse: s-maj=3.7km s-min=1.3km az=355.0, Greece

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and other technical details. Includes stations like EFP Efpalio, EFP Efpalio, EFP Efpalio, etc.









Table with columns for station call letters, frequency, power, and other technical details. Includes stations like AB31, ABKAR, KBL, AKTO, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MSO, PAHR, GROG, MFID, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like RLMT, TPWA, UOSS, SNOW, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like BORG, U15A, ULM, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like EYMN, G34A, F35A, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like MMAI, CSS, F41A, etc.

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Band, Mode, and other parameters. Includes stations like S38A Stockton, TOBO Tobermory, Bru, M44A Midewin, etc.

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Band, Mode, and other parameters. Includes stations like SIV, G003 Copiap, LCO Las Campanas, etc.

ISK 08 09:23:05.5, 38.66N:43.17E, h18km, ML2.5/4
ISCJB 08 09:23:06.9, 0.4, 38.69N:0.03:43.14E, 0.03, h9km, 7m,
Error ellipse: s-maj=5.0km s-min=4.2km az=146.8

CSEM 08 09:23:06.4, 0.2, 38.68N:43.16E, h12km, ML2.5, Error
ellipse: s-maj=4.4km s-min=4.0km az=150.0
DDA 08 09:23:06.7, 38.69N:43.15E, h7km, ML2.4
ATA 08 09:23:06.0, 0.9, 38.67N:43.00E, h15km, 11km, ML2.9,
MLV2.9

ISC 08 09:23:06.3, 1.0, 38.68N:0.02:43.17E, 0.02, h15km, 9km,
n28, -0.655/47, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Band, Mode, and other parameters. Includes stations like VANB Van, TVAN Van, GEVA Gevas, etc.

IDC 08 09:24:25.8, 2.0, 1.8:88S:168.48E, h0km, mb3.9/5,
mb1 4.0/6, mb1mx3.7/40, mbtrmp3.9/6, ML3.2/1, MS2.9/1,
MS1 2.9/1, ms1mx2.4/39, Error ellipse: s-maj=43.8km
s-min=34.5km az=55.0

ISCJB 08 09:24:30.8, 1.6, 19.0S:0.1:168.3E:0.2, h42km, mb3.8/5,
Error ellipse: s-maj=34.8km s-min=13.3km az=16.1
ISC 08 09:24:32.4, 1.7, 19.1S:0.1:168.4E:0.3, h42km, n7,
-0.113/8, mb3.8/5, Vanuatu Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Band, Mode, and other parameters. Includes stations like DZM Mont Dzumac, WRR Warramunga Arr, ASAR Alice Springs, etc.

TORD Torodi Ar. Bea 165.93247 PKPab PKPab 09 35 44.9 +1.2
0.3nm, 0.6s, baz=231, slow=1.3, SNR=5.6

NEIC 08 09:28:18.9, 0.0, 15.97N:98.33W, h5km, MD4.1 (MEX),
After MEX.
MEX 08 09:28:18.9, 0.5, 15.97N:98.33W, h5km, MD4.1, Off coast
of Guerrero

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Band, Mode, and other parameters. Includes stations like PNIG Pinotepa, TLIG Tlapa, VHO Vista Hermosa, etc.

DDA 08 10:22:20.9, 39.83N:32.30E, h7km, ML2.3
ISCJB 08 10:22:21.6, 0.6, 39.99N:0.06:32.20E:0.04, h9km, Error
ellipse: s-maj=8.5km s-min=4.2km az=10.5
CSEM 08 10:22:21.9, 0.3, 39.97N:32.22E, h20km, ML2.0, Error
ellipse: s-maj=9.0km s-min=5.4km az=6.0

ISC 08 10:22:21.1, 39.95N:32.16E, h10km, ML2.0/3
ISC 08 10:22:21.1, 39.95N:32.16E, h10km, ML2.0/3
-0.656/26, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Band, Mode, and other parameters. Includes stations like ANTO Ankara, AMUH MIHALICIK, etc.

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Band, Mode, and other parameters. Includes stations like AMUH MIHALICIK, SVRH Sivrihisar-ESK, etc.

ISCJB 08 10:33:18.4, 0.6, 38.55N:0.04:37.49E:0.04, h6km, 7m,
Error ellipse: s-maj=6.2km s-min=5.3km az=174.8
CSEM 08 10:33:18.1, 0.2, 38.55N:37.51E, h2km, ML2.7, Error
ellipse: s-maj=5.5km s-min=5.0km az=173.0
DDA 08 10:33:18.3, 38.57N:37.44E, h7km, ML2.7
ISK 08 10:33:18.6, 38.56N:37.56E, h10km, ML1.8/5
ISC 08 10:33:18.3, 1.1, 38.56N:0.03:37.51E:0.03, h8km, 12km,
n21, -0.659/30, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Band, Mode, and other parameters. Includes stations like CUgur Gurin S'VAS, ELBS KAHRAMANMARAS, etc.

NIED 08 10:33:00.38:20N:144.50E, h11km, Mw3.6 Best double
couple: M2.67000x10^14 NP1.966.00000°, δ63.00000°,
λ-9.00000°. NP2.φs.160.00000°, δ82.00000°,
λ-152.00000°.

JMA 08 10:33:48.1, 0.1, 38.22N:144.48E, h36km, M3.9, Off east
coast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Band, Mode, and other parameters. Includes stations like OFJU Ofunato, OJU Ouri, MIYJ Miyakonagasawa, etc.

ISCJB 08 10:33:57.8, 0.7, 8.23S:0.05:121.82E:0.07, h10km,
mb3.8/3, Error ellipse: s-maj=10.4km s-min=6.4km
az=167.5
DJA 08 10:33:58.0, 4.8, 8.3S:121.2E, h10km, M3.8/8, MLV3.8/8
IDC 08 10:33:59.1, 1.3, 8.18S:121.99E, h0km, mb3.7/3,
mb1 4.0/6, mb1mx3.6/54, mbtrmp3.8/6, ML3.5/3, MS3.1/2,
MS1 3.1/2, ms1mx2.4/48, Error ellipse: s-maj=124.3km
s-min=20.2km az=62.0

ISC 08 10:33:59.4, 0.8, 8.26S:0.06:121.83E:0.07, h10km, n16,
-0.218/17, mb3.9/3, Flores region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Band, Mode, and other parameters. Includes stations like EDFI Ende, Flores, BSSI Baing, Sumba, etc.

8d 12h

Table with columns: TLIG, VHO, VHO, CAIG, CAIG, PLIG, PLIG. Includes station names like Vista Hermosa, El Cayaco, Platanillo and various codes and times.

CSEM 08 10:39:29.5,0.9,36.23N:28.62E,h10km,ML2.7,Error ellipse: s-maj=20.9km s-min=13.2km az=4.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like FETHIYE, AKAS, ELL, GOLH, TAVA, BODR, AYDN.

IDC 08 10:39:59.7,2.6,62.80N:29.08E,h0km,mb1 3.2/3, mb1mx2.9/59,mbtmp3.1/3,ML2.6/3,Error ellipse: s-maj=33.6km s-min=7.5km az=117.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like KAF, JOF, KEF, FIAO, FINES, OUF, OUL, UMAU, HEMU, ARCES.

HEL 08 10:40:02.0,2.0,63.13N:27.85E,h0km,ML2.2,Explosion ISC 08 10:40:00.5,0.8,63.10N:0.03:27.86E:0.03,h0km,n26,c+126/40,Finland

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like BURU, UMAU, HEMU, ARCES, HFS, NOA.

SJA 08 10:41:22.8,0.8,32.02S:69.48W,h105km,3km,ML3.2, MW3.6,1D,Mendoza Province

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like RTLS, RTCV, ZON, RZLL, RTLL, AROD, ACAN, APPL.

ISN 08 11:04:31.5,0.7,32.80N:47.80E,h14km,3km,ML3.0 TEH 08 11:04:33.7,32.92N:47.75E,h8km,ML3.0,Iran-Iraq border region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like IKFM, IKOM, IVIS, IDHR, HKZM, IKLH.

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Table with columns: IKLH, IZEF, IZEF, IRAM, IRAM. Includes codes, station names, and times.

SCB 08 11:07:47.3,0.1,17.77S:67.09W,h11km,ML3.7/2,Error ellipse: s-maj=7.4km s-min=3.5km az=41.0,Central Bolivia

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like BBOJ, BBOJ, BBOB, MOCB, SIV.

ISCJB 08 11:09:41.9,0.5,39.10N:0.04:29.15E:0.04,h5km,8km, Error ellipse: s-maj=7.4km s-min=4.7km az=159.5

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like SIMA, SIMA, GDZ, GDZ, DEMI, DEMI, TVSB, KULA, KULA, DURS, MANT, MANT, BORA, YLV, YLV, ARMT, ARMT, DKL, DKL.

MEX 08 11:45:20.0,2.0,6.1598N:98.56W,h8km,10km,MD3.9,Off coast of Guerrero

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like PNIG, TLIG, CAIG, VHO, VHO, PLIG, PLIG.

ISCJB 08 11:45:20.5,1.3,37.08N:0.04:141.49E:0.07,h15km,8km, mb3.5/4, Error ellipse: s-maj=9.7km s-min=5.7km az=19.9

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like ONAJ, ONAJ, JFO, JHO, JMM, JMM, JFT, JFT, JSB, JSB, MJAR, MJAR, MJAR, MAT, MAT, JHJ, JHJ, ASAJ, ASAJ, H1N2, H1N1, H1N3, H1N1, H1S1, H1S3, H1S2, MKAR, KURBS, ILAR, WRA.

IDC 08 11:45:20.9,1.3,37.14N:141.28E,h0km,mb3.4/4, mb1 3.5/7,mb1mx3.3/68,mbtmp3.5/7,ML3.1/3,Error ellipse: s-maj=28.5km s-min=19.8km az=117.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like HONSHU, ONAJ, ONAJ, JFO, JHO, JMM, JMM, JFT, JFT, JSB, JSB, MJAR, MAT, JHJ, ASAJ, H1N2, H1N1, H1N3, H1S1, H1S3, H1S2, MKAR, KURBS, ILAR, WRA.

IDC 08 12:11:35.6,0.5,23.83S:175.57W,h0km,mb4.5/23, mb1 4.6/23,mb1mx4.5/48,mbtmp4.5/23,MS3.8/30, Ms1 3.8/30,ms1mx3.7/44, Error ellipse: s-maj=20.2km s-min=15.2km az=145.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like ISCJB, BUI, NEIC.

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Error ellipse: s-maj=8.9km s-min=5.3km az=157.0 ISC 08 12:11:39.6,0.4,23.82S:175.41W:0.08,h28km n172,c+1940/163,mb4.7/88,MS3.9/31,Tonga Islands

Large table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like RAO, RAO, MSVF, AFI, AFI, RAR, RAR, URZ, URZ, FUNA, DZM, DZM, KNTN, LTZ, RPZ, TBI, PPT, HNR, CTA, CTA, TAOE, RKT, PMG, PMG, STKA, STKA, COEN, PTCN, AS01, AS31, ASAR, ASAR, WAKE, WAKE, WB2, WRAB, WR1, WR1, WRA, WRA, MIDW, GUMO, FITZ, FITZ, SOEI, RPN, BATI, DAV, QSPA, JAGI, JHY, MJAR, MJAR, MAJO, MAJO, JNU, JNU, ASAJ, ASAJ, LPIG, MAW, MAW, YSS, PETK, PETK, PE1, KRSR, KRSR, KS15, KS01, WAKR, WAKR, YBHA, YBHA, PNTR, BEKR.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like VCNR Virginia City, YERR Yerington, NV01 Mina Array Sit, etc.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like LZHZ Lanzhou, YKA Yellowknife Ar, LPZA La Paz, etc.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like MNBS Baschi, DJA 08 12:31:31.81, etc.



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Table with columns: Call Sign, Frequency, Mode, Power, Station Name, and other technical details. Includes stations like HAVZ, COAL, CORUM, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Frequency, and other technical details. Includes stations like H0S2, H0S3, H0S1, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Station Name, and other technical details. Includes stations like JFT, JOU, JMK, etc.

ISCJB 08 13:07:20.70.5, 17.56S:0.08:178.50W:0.08, h550km, mb4.3/31, Error ellipse: s-maj=11.8km s-min=9.1km az=138.9

IDC 08 13:07:20.91.5, 17.35S:178.55W, h542km, 16km, mb3.4/12, mb1.3.6/14, mb1mx3.4/46, mbtmp3.4/14, Error ellipse: s-maj=18.6km s-min=13.5km az=152.0

NEIC 08 13:07:21.10.6, 17.56S:178.45W, h546km, 7km, mb4.7/13, Error ellipse: s-maj=14.2km s-min=10.4km az=132.0

Large table listing station call signs (MSVF, AFI, FUNA, etc.), frequencies, modes, and power levels. Includes various international and local stations.

Large table listing station codes (DZM, HNR, AFI, etc.), station names, azimuths, elevations, phase IDs, frequencies, and other technical details. Includes stations like DZM, HNR, AFI, etc.

Large table listing station call signs (HNR, H0S2, H0S3, etc.), frequencies, modes, power levels, and station names. Includes various international and local stations.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like ILAR Eielson Array, EGAK Eagle, DAWY Dawson, DLBC Dease Lake, NVAR Mina Array Bea, etc.

ISCJB 08 14:32:23.01.8, 37.08N, 0.04:142.12E, 0.06, h15km, 13km, mb3.8/5, MS2.7/1, Error ellipse: s-maj=7.9km s-min=6.7km az=145.3

IDC 08 14:32:23.4.1.1, 37.05N, 142.05E, h0km, mb3.5/4, mb1 3.7/8, mb1mx3.5/66, mbtm3.7/8, ML3.5/4, MS2.5/2, M1 2.5/2, ms1mx2.0/63, Error ellipse: s-maj=26.0km s-min=18.5km az=93.0

JMA 08 14:32:24.2.0.2, 37.10N, 142.05E, h2.4km, M3.2, ISC 08 14:32:22.5.2.0, 37.13N, 142.06E, 0.06, h1km, 13km, n26, r1545/28, mb3.5/5, Off east coast of Honshu

Main station list table for the first section, including stations like Kawauchi, Iwakimizuishiy, Marumori, Hitachi, Otama, Ouri, Okura, Yanaizu, Ichinoseki, Matushiro Arr, etc.

ISCJB 08 14:32:47.8.0.4, 6.84N, 0.03:73.11W, 0.04, h162km, 3km, mb3.7/8, Error ellipse: s-maj=7.3km s-min=4.3km az=34.7

ISCJB 08 14:32:49.5.1.2, 6.72N, 72.97W, h173km, 12km, mb3.5/8, mb1 3.8/13, mb1mx3.4/45, mbtm3.4/13, Error ellipse: s-maj=17.9km s-min=14.5km az=102.0

ISC 08 14:32:49.3.0.7, 6.83N, 0.04:73.09W, 0.05, h157km, 5km, n34, r0592/52, mb3.8/5, 2C-1D, Northern Colombia

Main station list table for the second section, including stations like BARC Barichara, PAMC Pamplona, BRRR Barranca, RUSC La Rusia, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like ANIL Santa Ana, PRAC Prado, YOTOC Yotoco, PCRV Puerto La Cruz, etc.

DDA 08 14:37:43.4, 37.01N, 28.65E, h7km, ML2.6, ISK 08 14:37:43.8, 37.04N, 28.59E, h9km, ML2.4/7

ISCJB 08 14:37:44.2.0.5, 37.03N, 0.04:28.56E, 0.04, h12km, 6km, CSEM 08 14:37:44.7.0.3, 37.08N, 28.58E, h10km, ML2.6, Error ellipse: s-maj=8.8km s-min=6.1km az=39.0

ISC 08 14:37:43.4.1.3, 37.14N, 0.03:28.65E, 0.03, h1km, 15km, n22, r1514/35, Turkey

Main station list table for the third section, including stations like TURN Turunc, YER Yerkesk, DENIZLI Tavas, etc.

IDC 08 14:39:05.7.1.1, 15.06S, 173.53W, h0km, mb4.2/5, mb1 4.3/6, mb1mx3.8/52, mbtm3.4/26, ML3.8/1, Error ellipse: s-maj=53.5km s-min=19.6km az=148.0

ISCJB 08 14:39:09.1.0.8, 15.05S, 0.2:173.5W, 0.2, h30km, mb4.0/5, Error ellipse: s-maj=41.8km s-min=9.0km az=147.0

ISC 08 14:39:09.8.1.0, 15.05S, 0.3:173.4W, 0.2, h30km, n12, r151417, mb4.0/5, Samoa Islands region

Main station list table for the fourth section, including stations like AFI Afiamalu, URZ Urewera, H1S2 WAKE ISLAND, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like AKT GNBUR, URKR Urkarakh, DGRG David-gareji, etc.

BTLR Botlikh, BTLR Botlikh, DRN Derbent, DRN Derbent, KRNR Karany, KRNR Karany, etc.

BTNK Botanikuri, BTNK Botanikuri, TBLIS Tbilisi Sea, TBLIS Tbilisi Sea, TBLG Delisi, TBLG Delisi, etc.

DUS Dusheti, DUS Dusheti, DUS Dusheti, DUS Dusheti, DUS Dusheti, etc.

STE Stepanavan, STE Stepanavan, GROC Groznyy, GROC Groznyy, GNI Gani, GNI Gani, etc.

ARRN Ardon, ARNR Ardon, KORR Kora, KORR Kora, TRKR Terskaya, DIGR Digorskoe uzhe, etc.

NEY Neytrino, NEY Neytrino, RPOH Krasnaya Polyta, RPOH Krasnaya Polyta, LABN Labinsk, LABN Labinsk, etc.

SOC Sochi, SOC Sochi, NEIC 08 14:51:43.8.0.0, 55.07N, 134.81W, h10km, ML3.4(AEIC), PGC 08 14:51:45.5.4.8, 55.08N, 134.83W, h20km, ML3.7/5, etc.

Main station list table for the fifth section, including stations like CRAIG Craig, WRAK Wrangell Island, DIB Dawson Inlet, etc.

BESE Bessie Mountai, BESE Bessie Mountai, DLBC Dease Lake, DLBC Dease Lake, etc.

PLBC Pleasant Camp, PLBC Pleasant Camp, PNB Bella Bella, PNB Bella Bella, etc.

PNL Peninsula, PNL Peninsula, PNB Brooks Peninsula, PNB Brooks Peninsula, etc.

MAYS Maynard, MAYS Maynard, LOGN Logan Glacier, LOGN Logan Glacier, etc.

UBRR Upper Baezaeko, UBRR Upper Baezaeko, CTGM Chitina Glacier, CTGM Chitina Glacier, etc.

CTGN Chitina Glacie, CTGN Chitina Glacie, BARN Barnard Glacier, BARN Barnard Glacier, etc.

DDFL Dedoflistskaro, DDFL Dedoflistskaro, DDFL Dedoflistskaro, DDFL Dedoflistskaro, etc.

TIF 08 14:40:23.9, 41.65N, 46.80E, h29km, 3km, NSSP 08 14:40:24.6, 41.55N, 46.52E, h10km, Ms3.2

CSEM 08 14:40:25.1.0.3, 41.35N, 46.69E, h10km, ML3.0, Error ellipse: s-maj=1.3km s-min=3.7km az=152.0

MOS 08 14:40:25.8.1.4, 41.50N, 46.79E, h10km, mb4.1/1, Error ellipse: s-maj=9.1km s-min=6.1km az=104.6

ISC 08 14:40:26.3.1.0, 41.50N, 0.03:46.71E, h22km, 8km, n58, r1526/94, 9C-3D, Eastern Caucasus















MAN 08 16:50:48.8,9.82N,122.95E,h72km,mb4.1,ML2.9,MS2.6,1C,Negros

ATA 08 16:52:07.6,0.9,38.68N,43.10E,h7km,175km,ML2.6,MMW2.7

YANB Van 0.26 104 Op Pn 16 52 14.8 +0.2

GEVA Gevas 0.35 181 i P Pp 16 52 15.3 -0.1

GEVA Gevas 0.35 181 i S Sg 16 52 15.3 -0.1

GEVA Gevas 0.35 181 i P Pp 16 52 15.3 -0.1

GEVA Gevas 0.35 181 i S Sg 16 52 15.3 -0.1

ISK 08 17:00:27.9,34.97N,26.05E,h4km,ML2.5/2

Code Station Name Δ° AZZ Phase ID Time Res

ZKR Zakros 0.17 3 Op Pn 17 00 38.2

ZKR Zakros 0.17 3 P Pp 17 00 34.2 -0.2

ZKR Zakros 0.17 3 S Sg 17 00 38.1 +0.6

NPS Neapolis 0.58 304 S Sg 17 00 49.6 +0.0

THRS Thira Island, 1.63 335 P Pn 17 00 57.7 -0.1

IMMV comp=N,97um,0.5s 1.89 287 P Pp 17 01 01.5 -1.2

SAUI Saumlaki 3.45 91 Op Pn 17 22 47.6 -0.3

MEX 08 17:23:31.9,0.5,16.23N,98.50W,h5km,7km,MD3.8,Near coast of Guerrero

Code Station Name Δ° AZZ Phase ID Time Res

MEX 08 17:41:17.8,0.3,16.25N,97.89W,h8km,2km,MD4.0,Oaxaca

Code Station Name Δ° AZZ Phase ID Time Res

Code Station Name Δ° AZZ Phase ID Time Res

Code Station Name Δ° AZZ Phase ID Time Res

Code Station Name Δ° AZZ Phase ID Time Res

Code Station Name Δ° AZZ Phase ID Time Res

Code Station Name Δ° AZZ Phase ID Time Res

Code Station Name Δ° AZZ Phase ID Time Res

Code Station Name Δ° AZZ Phase ID Time Res

BORA Borsari 1.28 350 S Sg 17 44 19.1 +0.5

MDNY Mudanya-Bursa 1.28 350 PN Pn 17 44 03.0 +0.3

MDNY Mudanya-Bursa 1.28 350 ePn Pp 17 44 03.0 +0.3

Code Station Name Δ° AZZ Phase ID Time Res

Code Station Name Δ° AZZ Phase ID Time Res

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Code Station Name Δ° AZZ Phase ID Time Res

Code Station Name Δ° AZZ Phase ID Time Res





0.6nm,0.5s,baz=139,slow=3.4,SNR=5.2
TORD Torodi Ar. Bea 166.28 16E PKPab PKPab 20 02 39.8 +0.1

ISCJB 08 19:43:01.7,0.6,53:17N:0.09:154:0E:0.1, h480km,
mb3.0/6, Error ellipse: s-maj=12.2km s-min=9.0km
az=174.8

KRSC 08 19:43:01.4,3.2,52:98N:154.44E, h489km, 38km, ML3.9
MOS 08 19:43:01.4,1.0,53:24N:153.73E, h471km, mb2.1/1, Error
ellipse: s-maj=17.7km s-min=13.5km az=49.8

IDC 08 19:43:02.6,1.4,53:24N:153.69E, h466km, 18km, mb2.5/6,
mb1 2.7/8, mb1mx2.5/7.4, mbtmp3.3/8, Error ellipse:
s-maj=21.9km s-min=17.4km az=107.0

ISC 08 19:43:02.8,0.9,53:17N:0.10:154:22E:0.10, h480km, n46,
c175/53, mb3.1/6, Sea Of Okhotsk

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists various stations like APC, GNL, ASAK, etc.

JMA 08 19:43:10.8,0.2,38:13N:144.63E, h27km, M3.5, Off east
coast of Honshu

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

ISCJB 08 19:57:48.1,1.0,18:95N:0.08:145:3E:0.3, h214km,
mb3.3/6, Error ellipse: s-maj=40.7km s-min=11.1km
az=179.0

IDC 08 19:57:52.9,3.4,18:93N:145.34E, h247km, 32km, mb3.1/6,
mb1 3.3/7, mb1mx2.9/7.4, mbtmp3.7/7, Error ellipse:
s-maj=46.5km s-min=19.8km az=86.0

ISC 08 19:57:49.7,1.1,19.00N:0.10:145:4E:0.3, h214km, n7,
c202/8, mb3.3/6, Mariana Islands

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

MOS 08 19:59:46.4,1.0,8:10N:127.14E, h38km, mb5.0/63, Error
ellipse: s-maj=10.3km s-min=5.1km az=111.2

MAN 08 19:59:47.0,8:26N:127:35E, h69km, mb5.6, ML4.6, MS4.9
ISCJB 08 19:59:49.3,0.4,8:23N:0.02:127:19E:0.03, h59km, 3km,
mb4.8/146, MS3.9/40, Error ellipse: s-maj=4.8km
s-min=3.3km az=168.1

IDC 08 19:59:49.8,0.5,8:07N:127:21E, h53km, 4km, mb4.3/40,
mb1 4.3/42, mb1mx4.2/68, mbtmp4.6/42, MS3.8/27,
MS1 3.8/27, ms1mx3.6/57, Error ellipse: s-maj=13.5km
s-min=7.9km az=89.0

GCMT 08 19:59:51.0,0.3,8:09N:127:40E, h19km, 1km, MW5.0/73,
Moment Tensor Solution. s24.c29: s73.c102: Duration:
0 Moment tensor: Scale 1016Nm; M=2.84; 22:
Mw=0.38; 12; Mw=3.22; 14; Mw=1.54; 34; Mw=0.69; 07;
Mw=1.11; 21: Best double couple: Mw3.65700:0.16P:
NP1:3p=148.00000, 861.00000, -114.00000. NP2:
e=11.00000, 837.00000, -154.00000. Principal axes: T
3.6590, P1g13.0000, Azm255.0000; N -0.0010,
P1g21.0000, Azm160.0000; P -3.6550, P1g65.0000;
Nz=15.0000; nstai1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s.

NEIC 08 19:59:51.0,0.7,8:09N:127:14E, h69km, 6km, mb4.9/77
Error ellipse: s-maj=5.4km s-min=3.6km az=76.0
DJA 08 19:59:52.9,0.5,8:10N:127:12E, h52km, 5km, MW4.7/11,
mb4.8/11, MB5.1/4, Mw(mb)4.5/4

BUJ 08 19:59:52.8,4.1n1:126:89E, h65km, mb4.7/55, mb4.7/36,
Ms4.2/38, Ms7.4/0.3/6
ISC 08 19:59:49.8,0.4,8:18N:0.03:127:28E:0.04, h50km, 3km,
h50km; p-P, n369, c1966423, mb4.8/146, MS3.9/43,
15C-13D, Philippine Islands region

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

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

GUMO Guam 18.08 71 LR
comp=Z,334nm,20.5s,baz=127,slow=52

JOW Kunigami 18.57 3 P
0.9nm,0.3s,baz=187,slow=8.1,SNR=2.2

JOW comp=Z,492nm,20.6s,baz=206,slow=33
113nm,1.4s

OZH Quanzhou 18.62 335 eP
OZH 20 03 51.2 +0.2

OZH comp=N,190nm,13.1s
OZH 20 03 51.2 +0.2

BATI Baumata 18.62 191 P
6.3nm,0.3s,baz=7.9,slow=1.5,SNR=21

BATI Baumata 18.62 191 P
PLAI Plampang 19.37 209 P

TWSI Taliwang Sumb 19.75 212 P
QIZ Qiongzong 20.07 304 S

QIZ comp=Z,110nm,1.6s
QIZ 20 04 59.2 +0.7

QIZ comp=N,280nm,16.7s
QIZ 20 04 59.2 +0.7

QIZ comp=E,330nm,16.7s
QIZ 20 04 59.2 +0.7

QIZ comp=Z,480nm,16.7s
NGJI Ngawi 22.08 226 P

SSE Sheshan 23.50 347 S
SSE 20 09 06.0 +0.7

SSE comp=Z,17nm,0.9s
SSE 20 04 59.2 +0.7

176m,1.2s
JCJ Chichijima 23.52 35 P
26nm,0.4s,baz=245,slow=14

LEM Lembang 24.64 233 P
7.7nm,0.5s,baz=330,slow=20,SNR=2.9

NJ2 Nanjing 25.01 343 eP
NJ2 20 05 09.1 +0.1

JNU comp=Z,12nm,0.5s
JNU 25.04 7 P
40nm,0.9s,baz=184,slow=2.4,SNR=27

JNU comp=Z,221nm,21.8s,baz=162,slow=34
Nakate 25.04 7 eP

KHON Khomkaen 25.22 291 P
20nm,1.0s

CHAI Chiaphum 25.88 290 P
9.8m,1.2s

CGJI Cbinong 26.07 236 P
FITZ Fitzroy Crossi 26.16 184 P
6.2nm,0.8s,baz=37,slow=11,SNR=16

FITZ Fitzroy Crossi 26.16 184 eP
25m,1.1s

NAVY Nakayong 26.17 286 P
384nm,1.2s,12um

MDSI Maura Dua 26.26 242 P
LWLI Linau 26.62 241 P

GYA Guiyang 26.72 315 P
GYA 20 05 22.1 +3.3

GYA comp=N,740nm,16.5s
GYA 20 05 27.1 +2.6

GYA comp=Z,620nm,16.7s
Sadao Png 26.99 291 P

PBKT Sadao Png 26.99 291 eP
52nm,1.5s,699nm

COEN Sadao Png 27.07 144 eP
30nm,1.1s

JHJ Hachiojima 27.38 23 LR
PHIT Phitsanulok 27.67 292 P

KRJI Kerinci 27.70 249 P
NANT Nan 27.88 295 P

TJN Inuyama 28.47 17 eP
INU Inuyama 28.47 17 eP

LAMP Lampang 28.76 294 P
WRAB Warramunga Arr 28.79 166 eP

WRAB Warramunga Arr 28.79 166 eP
comp=Z,24nm,1.7s

WR1 Warramunga Arr 28.80 166 eP
comp=Z,21nm,1.0s

WR1 Warramunga Arr 28.80 166 eP
comp=Z,0.9nm,0.5s,baz=348,slow=9,SNR=8.6

WRA Warramunga Arr 28.80 166 eP
KMI Kunming 28.84 309 P

KMI Kunming 28.84 309 P
comp=Z,0.9nm,0.6s,baz=337,slow=2.5,SNR=4.1

KMI Kunming 28.84 309 P
comp=Z,6.0nm,0.6s

KMI Kunming 28.84 309 P
comp=Z,1.70nm,16.6s

KMI Kunming 28.84 309 P
comp=Z,180nm,16.6s

KMI Kunming 28.84 309 P
comp=Z,400nm,22.8s

KS15 Wonju Array Si 29.13 1 eP
KSAR Wonju Array Be 29.13 1 P

KSAR Wonju Array Be 29.13 1 P
KSRS Korea Arr Be 29.14 1 P

KSRS Korea Arr Be 29.14 1 P
comp=Z,8.7nm,0.8s,baz=177,slow=10,SNR=34

KSRS Korea Arr Be 29.14 1 P
comp=Z,268nm,19.9s,baz=170,slow=37

KSRS Korea Arr Be 29.14 1 P
PMSI Pulau Pagai 29.30 249 P

CM31 Chiang Mai Arr 29.34 293 eP
CM31 Chiang Mai Arr 29.34 293 eP

CMAR Chiang Mai Arr 29.36 293 P
comp=Z,3.2nm,1.0s,baz=116,slow=7.3,SNR=13

CMAR Chiang Mai Arr 29.36 293 P
comp=Z,1.0nm,0.8s,baz=224,slow=0.6,SNR=3.3

CMAR Chiang Mai Arr 29.36 293 P
comp=Z,0.7nm,0.8s,baz=286,slow=0.6,SNR=6.3

CHTO Chiang Mai 29.47 294 P
CHTO Chiang Mai 29.47 294 eP

CHTO Chiang Mai 29.47 294 eP
comp=Z,12nm,1.2s

CHTO Chiang Mai 29.47 294 eP
comp=Z,12m,1.2s

CHTO Chiang Mai 29.47 294 eP
comp=Z,533nm,1.1s,comp=Z,76um

MAJO Matsushiro 29.93 18 eP
MAJO Matsushiro 29.93 18 eP

MAJO Matsushiro 29.93 18 eP
comp=Z,9.5nm,0.8s

MAJO Matsushiro 29.93 18 eP
MAJO Matsushiro 29.93 18 eP

MAJO Matsushiro 29.93 18 eP
MAJO Matsushiro 29.93 18 eP

MAJO Matsushiro 29.93 18 eP
MAJO Matsushiro 29.93 18 eP

MAJO Matsushiro 29.93 18 eP
MAJO Matsushiro 29.93 18 eP





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like EGAK Eagle, OBN Obninsk, DAWY Dawson, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PRP Porcupine Dome, SDPT Sand Point, etc.



Table with columns for station name (e.g., PET, SSE, SSS, SSE), frequency (e.g., comp=Z,30nm,1.4s), and various performance metrics (e.g., MLR, P, 21 51 11.7 +0.4).

Table with columns for station name (e.g., GTA, KNGR, KURTUR, TIKI), frequency (e.g., comp=Z,640nm,20.4s), and various performance metrics (e.g., LR, LR, 21 53 24.9 -0.2).

Table with columns for station name (e.g., PKIN, KLU, KDJ, GKN), frequency (e.g., comp=Z,2.39nm,0.8s), and various performance metrics (e.g., eP, P, 48.01 274 +0.3).



Table of astronomical objects with columns for name, magnitude, position, and other details. Includes objects like FETHY, GOLH, YER, AKAS, AYDN, etc.

DSN 08 21:48:56.5-1.28' 19N:57.04E, h15km, ML4.0/5, Error ellipse: s-maj=50.1km s-min=7.9km az=115.0

CSEM 08 21:48:59.9-0.27' 28N:56.78E, h10km, ML3.6, Error ellipse: s-maj=10.0km s-min=4.6km az=95.0

TEH 08 21:49:00.7-28' 01N:56.80E, h8km, ML3.6

ISCJB 08 21:48:59.4-0.3, 27.979N:0.03:56.71E:0.06, h28km, mb3.6/10, MS2.8/1, Error ellipse: s-maj=7.2km s-min=3.7km az=9.1

OMAN 08 21:49:06.9-74.0, 27.369N:56.78E, h3km, 13km, Error ellipse: s-maj=11.0km s-min=2.7km az=280.0

ISC 08 21:48:59.8-0.6, 27.979N:0.03:56.72E:0.04, h28km, n60, a198/67, mb3.5/10, Southern LR

Main table of astronomical objects with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Lists numerous stations and their associated objects.

Table with columns: BRTR, AKTO, BVAR, MKAR, KURB, ARU, FINES, TORD, KOWA, BOSHA, YKA. Includes object names and associated data.

ISC 08 21:52:12.9-2.6, 39.92N:142.52E, h67kmx25km, mb3.3/5, mb1.3/3.7, mtmx3.1/75, mbtmp3.5/7, Error ellipse: s-maj=43.1km s-min=16.7km az=93.0

ISC 08 21:52:06.3-2.0, 40.18N:0.09:143.13E:0.3, h31km, n13, a1918/8, mb3.6/5, Off east coast of Honshu

Table of astronomical objects with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes objects like ASAJ, MJAR, H112, etc.

MAN 08 21:56:21.6, 11.30N:124.77E, h78km, mb4.1, ML2.9, MS2.5, 1D, Leyte

KRSC 08 22:07:57.4-1.9, 52.21N:160.93E, h41kmx25km, ML4.5

ISCJB 08 22:08:00.1-0.6, 52.21N:0.03:160.77E:0.05, h44kmx4km, mb4.1/38, MS3.2/4, Error ellipse: s-maj=6.8km s-min=3.4km az=42.1

MOS 08 22:08:02.3-0.9, 52.39N:160.57E, h52km, mb4.3/27, Error ellipse: s-maj=7.5km s-min=3.6km az=99.7

ISC 08 22:08:06.3-0.4, 52.50N:160.13E, h63kmx25km, mb3.7/25, mb1.3/3.2, mtmx3.6/75, mbtmp4.0/26, ML4.0/1, MS3.2/5, Ms1.3/2.5, ms1mx2.7/3, Error ellipse: s-maj=20.9km s-min=14.5km az=107.0

NEIC 08 22:08:07.8-1.5, 52.55N:160.00E, h68kmx10km, mb4.2/9, Error ellipse: s-maj=17.7km s-min=8.0km az=118.0

ISC 08 22:08:00.1-1.8, 52.224N:0.04:160.79E:0.04, h27kmx12km, n180, a196/220, mb4.1/38, MS3.1/4, 5C-12D, Off east coast of Kamchatka Peninsula

Main table of astronomical objects with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Lists numerous stations and their associated objects.

Main table of astronomical objects with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Lists numerous stations and their associated objects.



8d 22h

Table listing station names, coordinates, and parameters for the 8d 22h period. Includes stations like YKA Yellowknife Arr, ZALV Zalesovo Beam, NRS Novosibirsk, etc.

Table listing station names, coordinates, and parameters for the IDC 08 22:17:22.4.2.1, 50.10N-114.61W, h0km, mb1 4.2/2, mb1mx3.3/6.7, mbtmpp3.8/2, ML3.7/2, Error ellipse: s-maj=39.5km s-min=8.3km az=116.0, Alberta

Table listing station names, coordinates, and parameters for the IDC 08 22:17:46.3.0.2.24, 14N-125.24E, h33km, M3.0, IDC 08 22:17:46.2.1.7, 24.16N-100.08E, 125.21E, 0.06, h31km, n16, c040, mb3.6/6, Southwestern Ryukyu Islands

2012 MAY

Table listing station names, coordinates, and parameters for the 2012 MAY period. Includes stations like IRIF Iriomote-Funau, IRIF Makanchi Array, KURB Kurchatov Arr, etc.

Table listing station names, coordinates, and parameters for the TAP 08 22:20:25.0, 23.95N-121.63E, h34km, ML1.9, D, Taiwan

Table listing station names, coordinates, and parameters for the TAP 08 22:20:26.1, 24.42N-121.90E, h22km, 1km, ML1.5, C, Taiwan

Table listing station names, coordinates, and parameters for the IDC 08 22:21:31.8.1.6, 2.13N-127.69E, h0km, mb3.6/5, mb1 3.8/5, mb1mx3.5/6.3, mbtmpp3.7/5, Error ellipse: s-maj=103.4km s-min=19.7km az=71.0, Northern Molucca Sea

Table listing station names, coordinates, and parameters for the IDC 08 22:21:31.8.1.6, 2.13N-127.69E, h0km, mb3.6/5, mb1 3.8/5, mb1mx3.5/6.3, mbtmpp3.7/5, Error ellipse: s-maj=103.4km s-min=19.7km az=71.0, Northern Molucca Sea

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Table listing station names, coordinates, and parameters for the IDC 08 22:21:51.4, 10.01N-123.12E, h2km, mb3.9, ML2.7, MS2.2, 1D, Cebu

Table listing station names, coordinates, and parameters for the IDC 08 22:23:43.4, 52.20N-165.70W, h10km, mb5.0/44, mb4.9/30, MS4 4/11, MS7 4.1/11, IDC 08 22:24:44.7, 0.5, 51.92N-165.71W, h0km, mb4.6/46, mb1 4.7/46, mb1mx3.4/6.3, mbtmpp4.5/8.3, mbtmpp4.6/46, MS3.5/24, Ms1 3.5/24, ms1mx3.2/6.4, Error ellipse: s-maj=15.2km s-min=10.4km az=176.0

Table listing station names, coordinates, and parameters for the IDC 08 22:23:47.5, 0.4, 52.06N-165.71W, h31km, mb4.6/83, Aleutian Islands

Table listing station names, coordinates, and parameters for the IDC 08 22:23:47.5, 0.4, 52.06N-165.71W, h31km, mb4.6/83, Aleutian Islands

Table listing station names, coordinates, and parameters for the IDC 08 22:23:47.5, 0.4, 52.06N-165.71W, h31km, mb4.6/83, Aleutian Islands

Table listing station names, coordinates, and parameters for the IDC 08 22:23:47.5, 0.4, 52.06N-165.71W, h31km, mb4.6/83, Aleutian Islands



8d 22h

Table with columns: NRN, Name, SNR, Az, El, P, Az, El, P. Includes stations like Naryn, Almayashu, Manas, Karatay Array, Suwalki, Kashi, Malin Array, etc.

2012 MAY

Table with columns: LZHZ, Name, SNR, Az, El, P, Az, El, P. Includes stations like Daman, GEC2, GEC3, GEC4, GEC5, GEC6, GEC7, GEC8, GEC9, GEC10, etc.

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Table with columns: MMAI, ASF, WSAR, TORD, GQSA, TSMU, MAW, MAW. Includes station names and coordinates.

BUI 08 22:23:44.7, 1:57N, 99:22E, H124km, mb4.8/21, mb4.8/17
IDC 08 22:23:49.6, 0.5, 1.96N, 99:01E, H124km, mb4.1/38, mb1.4/139, mb1mx4.0/68, mb1mx4.0/68, mb1mx4.0/68, MS3.3/2, Ms1 3.3/2, ms1mx2.5/54, Error ellipse: s-maj=12.4km s-min=8.8km az=43.0
MOS 08 22:23:49.0, 0.9, 1.98N, 99:04E, H136km, mb4.4/36, Error ellipse: s-maj=11.3km s-min=5.8km az=109.8
ISCJB 08 22:23:49.3, 0.2, 1.96N, 0:02E, 98:90E, 0:03, H135km, 2km, mb4.4/73, Error ellipse: s-maj=5.2km s-min=3.3km az=141.6
NEIC 08 22:23:50.5, 0.4, 1.93N, 99:00E, H133km, 3km, mb4.6/21, Error ellipse: s-maj=5.8km s-min=4.0km az=225.0
DJA 08 22:23:50.8, 0.1, 2.2N, 2:99E, H112km, 2km, M4.3/13, mb4.6/13, mb5.2/3, MLV4.1/6, Mw(mB)4.6/3
ISC 08 22:23:50.1, 0.4, 1.99N, 0:04E, 98:92E, 0:04, H129km, 3km, H128km, pP-P, n234, e1948/256, mb4.5/74, 19C-9D,

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Prapat, Mandailing Nat, Gunungsitoli, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like KAKANI, CD2, GKN, KOLN, DANN, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like GEYT, GYA0B, STKA, ZALV, etc.

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



49K Kawauchi 2.16 278 P Pn 23 02 36.0 +0.2

MEX 08 23:06:37.0-0.5, 16.262N, 98.570W, h10km, MD3.6, Near coast of Guerrero

IS/CJB 08 23:09:36.8-0.8, 27.64N, 0.03-52.39E, 0.07, h10km, Error ellipse: s-maj=9.2km s-min=3.7km az=161.0

Code Station Name Az AZ Phase ID Time Res SOHO SOHO 5.24 131 I P Pn 23 10 55.4 +1.1

SOHO SOHO 5.24 131 S Sn 23 11 54.6 -0.2

8d 23h NIL Nilore 23.21 310 e P P 23 17 44.9 +0.2





Table with columns: GULT, Gulveren, 1.69 38 PN, Pn, 23 20 46.9 +0.4, 23 20 46.9 +0.4. Includes CSEM 08 23:22:36.9, 0.2, 38.34N, 38.86E, h10km, ML2.5, Error ellipse: s-maj=4.7km s-min=2.9km az=171.0.

NIED 08 23:52:00.45, 10N, 145.80E, h250km, Mw4.1 Best double couple: M1, 4.90000, 1015 NP1, 0.59, 0.00000, 0.69, 0.00000, 1.165, 0.00000. NP2, 0.155, 0.00000, 0.876, 0.00000, 0.21, 0.00000.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes LAGR Lagunnoye, 1.24 179 eP, Pn, 23 53 12.9 -0.3, 23 53 14.9.

Main table with columns: GLVR, Golovino, 1.57 186 i/PN, S, 23 53 15.6 +0.1, 23 53 46.0 -0.4. Includes JNK Nakash, 1.86 204 P, Pn, 23 53 17.8 -0.1, 23 53 18.3 +0.4.

Main table with columns: TIXI, Tiksi, 27.64 349 P, P, 23 57 56.8 -3.2, 23 57 56.9 -3.2. Includes LZH Lanzhou, 32.76 269 eP, pP, 23 58 46.5 +1.0, 23 59 38.5 +2.3.

Table with columns: FCC, Station Name, Frequency, Power, and other technical details. Includes stations like Fort Churchill, Fitzroy Crossi, Warramunga Arr, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like Meulaboh, Aceh, Gunungsitoli, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like Delisi, Dubki, Dusheti, etc.

MOS 08 23:58:29.0, 1.7, 39.99N, 47.96E, h10km, mb4.1/1, Error
CSEM 08 23:58:31.3, 1.1, 40.09N, 47.93E, h10km, ML3.2, Error
NSPP 08 23:58:32.5, 40.33N, 47.72E, h10km, Ms3.2
ISC 08 23:58:31.4, 2.0, 40.30N, 0.07, 47.78E, 0.06, h5km, 11km, n29, e141/50, 7C, Eastern Caucasus

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for lera Moni Meta, GVD, MHLO, etc.

ISC 09 00:13:09.8±3.5, 23.703°±177.34W, h0km, mb3.7/2, mb1 4.0/2, mb1mx3.6/42, mbtmp3.7/2, MS3.5/9, Ms1 3.5/9, ms1mx3.1/47, Error ellipse: s-maj=197.1km s-min=49.0km az=154.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for DZM, URZ, RAR, etc.

TIR 09 00:21:41.9, 40°48'N, 19°12'E, h17km, Md2.73 ISC/JB 09 00:21:53.8±1.4, 40°22'N, 05°19'6"E, 0.1, h7km, 10km, Error ellipse: s-maj=19.1km s-min=7.7km az=165.2

CSEM 09 00:21:55.8, 40°16'N, 19°71'E, h17km, ML1.7/2, ATH 09 00:21:55.8, 40°16'N, 19°71'E, h17km, 5km, ML1.7/2, Error ellipse: s-maj=19.0km s-min=7.1km az=148.0

ISC 09 00:21:53.7±2.0, 40°20'N, 04°19'59"E, 0.08, h10km±14km, n22, c079/29, Albania

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for SRN, KEK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for KEK, KASA, KASSIOP, etc.

ISC/JB 09 00:41:22.4±0.6, 65°05'±179.0E, 0.3, h10km, mb4.4/14, MS4.2/24, Error ellipse: s-maj=21.3km s-min=11.6km az=147.8

ISC 09 00:41:23.2±0.6, 65°03'±178.86E, h0km, mb4.3/10, mb1 4.5/11, mb1mx4.3/31, mbtmp4.3/11, ML3.8/1, MS4.2/25, MS1 4.2/25, ms1mx4.3/31, Error ellipse: s-maj=25.9km s-min=17.3km az=152.5

NEIC 09 00:41:24.4±0.3, 65°04'±178.84E, h10km, mb4.6/3, Error ellipse: s-maj=13.5km s-min=10.1km az=62.0

GCMT 09 00:41:24.4±0.2, 64°98'S, 179°20'E, h19km±1km, MW5.0/80, Moment Tensor Solution, 54s, c49s, c108s; Duration: 0 Moment Tensor: Scale 10^19Nm; Mir-0.40±.15; Mbb3.82±.14; Mbb-3.42±.13; Mbb-2.07±.32; Mbb-1.04±.11; Mbb-0.45±.26; Best double couple: Mo:4.19900±1016 NP1.35±25.00000°, 67.700000°, 1.8.00000°; NP2: 6.231.00000°, 67.200000°, 1.666.00000°; Principal axes: 4.8210, P1g22.0000°, Azm188.0000°, N=1.2460, P1g65.0000°, Azm359.0000°, P=3.5760, P1g3.0000°, Azm97.0000°; nst21 refers to body waves, cutoff=40s. nst22 refers to surface waves, cutoff=50s.

ISC 09 00:41:24.4±0.5, 65°05'±178.8E, 0.1, h10km, n75, c086/44, mb4.4/14, MS4.2/24, Balleny Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for Vnda, Rata Peaks, QSPA, etc.

ISC 09 00:41:24.4±0.5, 65°05'±178.8E, 0.1, h10km, n75, c086/44, mb4.4/14, MS4.2/24, Balleny Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for H01W1, H01W2, H01W3, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for H08S2, H08S1, H08S3, etc.

MEX 09 00:49:42.7±0.6, 16°41'N, 98°46'W, h4km±65km, MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for PNIG, TLIG, PLIG, etc.

CSEM 09 00:51:36.9, 39°94'N, 20°66'E, h27km, ML1.0/4, ATH 09 00:51:36.9, 39°94'N, 20°66'E, h27km, 5km, ML1.0/4, Error ellipse: s-maj=5.5km s-min=1.2km az=125.0

TIR 09 00:51:38.4, 39°96'N, 20°67'E, h7km, Md2.73 ISC 09 00:51:37.5±1.1, 39°96'N, 20°70'E, 0.03, h11km±13km, n16, c070/26, Greece-Albania border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for JAN, MAW, DZM, etc.

ISC/JB 09 00:29.7±0.6, 64°97'S, 179°13'E, h0km, mb4.3/9, mb4.5/14, MS4.1/21, Error ellipse: s-maj=18.7km s-min=8.9km az=159.1

ISC 09 00:30.5±0.6, 65°05'±179.13E, h0km, mb4.3/9, mb1 4.4/10, mb1mx4.3/31, mbtmp4.3/31, ML3.5/1, MS4.1/22, MS1 4.1/22, ms1mx4.0/29, Error ellipse: s-maj=26.6km s-min=19.0km az=57.0

NEIC 09 00:30.5±0.2, 65°05'±179.03E, h10km, mb4.6/9, Error ellipse: s-maj=11.8km s-min=8.2km az=70.0

ISC 09 00:31:7.0±0.5, 65°01'S, 108°179'E, 0.1, h10km, n90, c089/66, mb4.5/14, MS4.2/21, Balleny Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for Vnda, Vnda, Vnda, etc.









Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, IASC. Includes stations like GKN Gorkha, DANN Dangsing, KOLN Koldanda, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, IASC. Includes stations like MNMC IAMML, PB06 IPOC Station P, PB15 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, IASC. Includes stations like CPUP Villa Florida, BOSA Boshof, LPAZ La Paz, etc.

ISCJB 09 04:03:44.0, 0.5, 20.89S, 0.03:69.04W, 0.09, h114km, 5km, mb3.4/4, Error ellipse: s-maj=13.4km s-min=5.3km az=177.8

ISC 09 04:03:44.3, 0.7, 20.87S, 69.09W, h109km, 3km, ML4.0, IDC 09 04:03:46.4, 2.8, 20.88S, 68.74W, h119km, 2km, mb3.3/4, mb1 3.4/8, mb1mx3.2/38, mbtmp3.6/8, Error ellipse: s-maj=31.3km s-min=22.3km az=65.0

MAN 09 04:34:16.9, 16.22N, 120.80E, h57km, mb4.5, ML3.4, MS3.2, 1C, Luzon, CPUP Palayan, PCHP PCHP, BOLP Bolinao, BALP Baier, APYP Conner, etc.

9d 4h

Table with columns: Station, Frequency, Power, Direction, and other technical details. Includes stations like SUI, SANI, LUWI, etc.

2012 MAY

Table with columns: Station, Frequency, Power, Direction, and other technical details. Includes stations like CGJI, COEN, COEN, etc.

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Table with columns: Station, Frequency, Power, Direction, and other technical details. Includes stations like ASAR, ASAR, ASAR, etc.









2012 MAY

G36A	St. Michael	116.87	31	P	PKPdf	04 53 41.3 +0.6	N39A	Derby Farms, D	120.48	34	P	PKPdf	04 53 47.7 0.0	BWLO	Walkerton	123.62	24	P	PKPdf	04 53 54.1 +0.4
E38A	The Farm, Brul	117.02	29	P	PKPdf	04 53 40.7 -0.1	F45A	CMU Biological	120.50	26	P	PKPdf	04 53 47.6 0.0	CLWO	Collingwood	123.69	24	P	PKPdf	04 53 54.0 +0.1
MNTX	Cornudas Mount	117.07	50	P	PKPdf	04 53 42.1 +0.6	J42A	Colombus	120.58	30	P	PKPdf	04 53 47.2 -0.7	R43A	Red Bud	123.71	35	P	PKPdf	04 53 53.7 -0.3
MNTX	Cornudas Mount	117.07	50	ePKPdf	LR	04 53 42.5 +1.0	I43A	Langenfeld Bro	120.65	29	P	PKPdf	04 53 47.5 -0.4	SFIN	Lafayette	123.76	31	P	PKPdf	04 53 54.0 0.0
MVO	Monono	117.11	323	ePKPdf	LR	04 53 40.6 -0.7	M40A	Post Highland	120.67	33	P	PKPdf	04 53 47.7 -0.4	SFIN	Lafayette	123.76	31	ePKPdf	PKPdf	04 53 54.4 +0.4
F37A	Hinrichs Farm,	117.11	30	P	PKPdf	04 53 40.9 -0.2	P38A	Dawn	120.72	36	P	PKPdf	04 53 48.1 -0.1	Q44A	Van Buren Farm, Va	123.78	34	P	PKPdf	04 53 54.3 +0.2
C40A	Isle Royale Na	117.19	27	P	PKPdf	04 53 41.2 0.0	L41A	Preston	120.76	32	P	PKPdf	04 53 47.7 -0.5	PEMO	Pembroke	123.79	21	P	PKPdf	04 53 53.7 -0.2
H36A	Jessenland, He	117.22	32	P	PKPdf	04 53 42.0 +0.6	F46A	Macinaw City C	120.76	26	P	PKPdf	04 53 48.5 +0.4	U41A	Viola	123.82	38	P	PKPdf	04 53 54.3 0.0
F38A	Pierce - Schro	117.32	30	P	PKPdf	04 53 41.6 +0.1	ABTX	Abiene, Hawle	120.86	46	P	PKPdf	04 53 49.0 +0.3	W40A	Ferguson Farm,	123.83	40	ePKPdf	PKPdf	04 53 54.1 -0.2
SPMN	Martine on St.	117.36	31	P	PKPdf	04 53 42.0 +0.4	ABTX	Abiene, Hawle	120.86	46	ePKPdf	PKPdf	04 53 49.6 +0.8	T42A	Van Buren Farm,	123.87	37	P	PKPdf	04 53 54.6 +0.2
CBKS	Cedar Bluff	117.40	40	P	PKPdf	04 53 42.1 +0.2	K42A	Prairie Point,	120.86	31	P	PKPdf	04 53 47.9 -0.5	MIAR	Mount Ida	123.91	41	P	PKPdf	04 53 55.7 +1.2
E39A	Mellen	117.66	29	P	PKPdf	04 53 42.2 +0.1	Q39A	Kirksville	120.88	35	P	PKPdf	04 53 48.6 +0.1	MIAR	Mount Ida	123.91	41	ePKPdf	PKPdf	04 53 55.3 +0.8
K35A	Storm Lake	117.73	34	P	PKPdf	04 53 42.1 -0.3	J43A	Natural Harves	120.89	30	P	PKPdf	04 53 48.1 -0.4	MIAR	Mount Ida	123.91	41	ePKIKP	PKPdf	04 53 55.3 +0.8
H37A	Dierke Farm, C	117.75	32	P	PKPdf	04 53 42.0 -0.3	N40A	Mertquake, Sal	120.99	34	P	PKPdf	04 53 48.7 0.0	MIAR	Mount Ida	123.91	41	ePKIKP	PKPdf	04 53 55.3 +0.8
F39A	Loretta	117.82	29	P	PKPdf	04 53 42.3 -0.2	Q38A	Cook Store, C	121.10	37	P	PKPdf	04 53 48.6 -0.4	AAM	Ann Arbor	123.98	28	PFAKE	LR	04 54 10.0 +1.6
J36A	Seneca 1, Swea	117.83	33	P	PKPdf	04 53 42.3 -0.2	RTC	Rabat Centre	121.16	316	PFAKE	LR	04 54 00.0 +1.1	AAM	Ann Arbor	123.98	28	PFAKE	LR	04 54 10.0 +1.6
I37A	Lemond, Waseca	117.88	32	P	PKPdf	04 53 42.9 +0.3	M41A	Milan	121.22	33	P	PKPdf	04 53 48.6 -0.6	V41A	Mountainview	124.03	39	P	PKPdf	04 53 54.4 -0.3
MTE	Manteigas	117.88	322	ePKPdf	PKPdf	04 53 43.1 +0.3	L42A	Oliver, Polo	121.24	32	P	PKPdf	04 53 48.6 -0.6	P45A	Graceland, Par	124.04	33	P	PKPdf	04 53 54.8 +0.3
G38A	Ridgeland	117.88	30	P	PKPdf	04 53 43.2 -0.3	P39B	Salisbury	121.26	36	P	PKPdf	04 53 49.3 +0.1	S43A	Fulton Ridge,	124.10	36	P	PKPdf	04 53 54.8 0.0
MSTX	Muleshoe	117.92	46	P	PKPdf	04 53 43.8 +0.6	O40A	La Belle	121.34	35	P	PKPdf	04 53 49.3 -0.1	BANO	Bankrot	124.11	22	P	PKPdf	04 53 54.6 0.0
E40A	Wakefield	117.93	28	P	PKPdf	04 53 42.6 -0.1	R38A	Fenwick Farm,	121.42	38	P	PKPdf	04 53 49.1 -0.5	R44A	Waltonville	124.21	35	P	PKPdf	04 53 54.9 -0.1
H38A	Malden Rock	118.01	31	P	PKPdf	04 53 42.7 -0.2	Q39A	Willow Grove F	121.42	36	P	PKPdf	04 53 49.8 +0.2	U42A	Waltonville	124.23	38	P	PKPdf	04 53 55.2 +0.2
D41A	Chassel	118.09	27	P	PKPdf	04 53 43.3 +0.4	K43A	Burlington	121.42	30	P	PKPdf	04 53 49.2 -0.3	P46A	Rosedale	124.26	32	P	PKPdf	04 53 55.3 +0.3
G39A	Holcombe	118.14	30	P	PKPdf	04 53 43.3 +0.2	GLMI	Girlington	121.57	26	PFAKE	LR	04 54 00.0 +1.0	Q45A	Warren Harvey,	124.27	33	P	PKPdf	04 53 55.4 +0.3
PCBR	Castelo Branco	118.18	322	ePKPdf	PKPdf	04 53 44.0 +0.7	GLMI	Girlington	121.57	26	PFAKE	LR	04 54 00.0 +1.0	WHAR	Woolly Hollow	124.27	39	ePKPdf	PKPdf	04 53 55.5 +0.3
F40A	Park Falls	118.20	29	P	PKPdf	04 53 43.4 +0.1	L43A	Garden Prairie	121.59	31	P	PKPdf	04 53 49.4 -0.4	T43A	Greenville	124.31	36	P	PKPdf	04 53 55.0 -0.2
K36A	Gilmore City	118.22	34	P	PKPdf	04 53 42.8 -0.6	P40A	Paris	121.64	35	P	PKPdf	04 53 49.9 -0.1	O47A	Shedden	124.34	31	P	PKPdf	04 53 54.8 -0.3
AMTX	Amarillo	118.23	45	P	PKPdf	04 53 43.9 +0.2	S38A	Stockton	121.77	38	P	PKPdf	04 53 50.2 -0.2	W41B	Gary Mavity, V	124.37	39	P	PKPdf	04 53 55.4 +0.1
AMTX	Amarillo	118.23	45	ePKPdf	PKPdf	04 53 44.7 +1.0	JCT	Junction City	121.85	48	P	PKPdf	04 53 51.5 +0.7	PLVO	Plevna	124.41	21	ePKPdf	PKPdf	04 53 55.0 -0.2
J37A	Redenius Farm,	118.27	33	P	PKPdf	04 53 43.3 -0.2	JCT	Junction City	121.85	48	ePKPdf	LR	04 53 51.6 +0.9	PLVO	Plevna	124.41	21	ePKPdf	PKPdf	04 53 55.4 +0.2
E41A	Kenton	118.35	28	P	PKPdf	04 53 43.3 -0.2	JCT	Junction City	121.85	48	ePKPdf	LR	04 53 51.6 +0.9	OLIL	Olney	124.41	33	ePKPdf	PKPdf	04 53 56.0 +0.7
PMRV	Mary??o	118.37	321	ePKPdf	PKPdf	04 53 44.3 +0.6	JCT	Junction City	121.85	48	ePKIKP	MLR	04 53 51.6 +0.9	Y40A	Okolona	124.43	41	P	PKPdf	04 53 56.2 +0.7
I38A	Scanlan Farm,	118.42	32	P	PKPdf	04 53 43.4 -0.3	JCT	Junction City	121.85	48	ePKIKP	MLR	04 53 51.6 +0.9	PBMO	Poplar Bluff	124.43	37	ePKPdf	PKPdf	04 53 55.4 0.0
L36A	Harm Buss Farm	118.45	35	P	PKPdf	04 53 43.3 -0.5	JCT	Junction City	121.85	48	ePKIKP	MLR	04 53 51.6 +0.9	S44A	Carbondale	124.49	35	P	PKPdf	04 53 55.7 +0.2
H39A	Augusta	118.52	31	P	PKPdf	04 53 43.5 -0.4	R39A	Chumby, Stover	121.86	37	P	PKPdf	04 53 50.6 +0.1	V42A	Cord	124.49	38	P	PKPdf	04 53 55.5 -0.1
COWI	Conover	118.54	28	PFAKE	LR	04 54 00.0 +1.6	N42A	Yates City	121.88	33	P	PKPdf	04 53 50.3 -0.1	R45A	Skyler, Fairri	124.62	34	P	PKPdf	04 53 56.0 +0.2
COWI	Conover	118.54	28	PFAKE	LR	04 54 00.0 +1.6	O41A	Pasleys Farm,	121.91	34	P	PKPdf	04 53 50.3 -0.2	X41A	Kaden, Bauxite	124.63	40	P	PKPdf	04 53 56.3 +0.4
K37A	Belmond	118.59	33	P	PKPdf	04 53 43.3 -0.7	T38A	Diamond	121.91	39	P	PKPdf	04 53 50.8 +0.2	DELO	Alfred	124.63	19	P	PKPdf	04 53 54.5 -1.0
G40A	Rib Lake	118.64	29	P	PKPdf	04 53 43.7 -0.4	Q40A	Laux Farm, Aux	121.98	36	P	PKPdf	04 53 50.6 -0.1	ALFO	Deloro Mine	124.66	22	P	PKPdf	04 53 55.5 -0.2
PCAS	Casimiro, Conde	118.67	323	ePKPdf	PKPdf	04 53 45.0 +0.7	M43A	Waltham Townsh	122.02	32	P	PKPdf	04 53 50.3 -0.3	T44A	Benton	124.72	36	P	PKPdf	04 53 56.2 +0.2
F41A	Three Lakes	118.82	28	P	PKPdf	04 53 44.6 +0.2	L44A	Lake County Fo	122.02	31	P	PKPdf	04 53 50.9 +0.3	U43A	Rector	124.72	37	P	PKPdf	04 53 56.0 0.0
J38A	Wedel Dairy, R	118.84	32	P	PKPdf	04 53 44.0 -0.5	S39A	Bolar	122.09	38	P	PKPdf	04 53 51.0 +0.1	WLAR	White Oak Lake	124.74	41	ePKPdf	PKPdf	04 53 57.4 +1.3
E42A	Champion	118.86	27	P	PKPdf	04 53 44.3 -0.1	P41A	Barry, Barry	122.11	35	P	PKPdf	04 53 51.0 -0.1	LML	Lincoln	124.83	54	ePKPdf	PKPdf	04 53 56.9 +0.6
PBAR	Barrancos	118.89	320	ePKPdf	PKPdf	04 53 45.1 +0.4	O42A	Bat	122.29	34	P	PKPdf	04 53 51.1 -0.1	P47A	Martinsville	124.84	32	P	PKPdf	04 53 56.4 +0.2
I39A	Houston	118.97	31	P	PKPdf	04 53 44.3 -0.5	R40A	Maddies Statio	122.33	37	P	PKPdf	04 53 51.5 +0.1	NATX	Nacogdoches	124.85	44	PFAKE	LR	04 54 10.0 +1.4
H40A	Chili	119.01	30	P	PKPdf	04 53 45.0 +0.2	HDIL	Hopedale	122.47	33	P	PKPdf	04 53 51.2 -0.4	NATX	Nacogdoches	124.85	44	PFAKE	LR	04 54 10.0 +1.4
N36A	Muff Farm, Cla	119.11	36	P	PKPdf	04 53 45.4 +0.3	HDIL	Hopedale	122.47	33	ePKPdf	LR	04 53 51.6 +0.1	WLVO	Wesleyville	124.87	23	P	PKPdf	04 53 56.3 +0.2
K38A	Parkersburg	119.14	33	P	PKPdf	04 53 45.0 -0.1	T39A	Cleaver	122.48	38	P	PKPdf	04 53 51.9 +0.2	PARMO	Parma	124.91	36	ePKPdf	PKPdf	04 53 57.4 +1.1
G41A	Antigo	119.17	29	P	PKPdf	04 53 44.9 -0.2	Q41A	Truxton	122.50	35	P	PKPdf	04 53 52.0 +0.4	BL	Bloomington	124.94	32	ePKPdf	PKPdf	04 53 57.0 +0.6
KSU1	Kansas State U	119.20	38	P	PKPdf	04 53 45.7 +0.3	M44A	Midewin, Midew	122.53	31	P	PKPdf	04 53 51.6 0.0	TYNO	Tyneside	124.94	24	ePKPdf	PKPdf	04 53 56.5 -0.2
KSU1	Kansas State U	119.20	38	ePKPdf	LR	04 53 45.6 +0.3	P42A	Winchester	122.57	34	P	PKPdf	04 53 51.9 +0.1	Q47A	Bedord North L	125.17	32	P	PKPdf	04 53 57.4 +0.6
J39A	Decorah	119.24	32	P	PKPdf	04 53 44.8 -0.5	HHAR	Hobbs	122.60	39	ePKPdf	PKPdf	04 53 50.3 -1.7	Z41A	Richland Creek	125.21	42	P	PKPdf	04 53 57.9 +0.9
M37A	Trindle Farm,	119.25	35	P	PKPdf	04 53 45.6 +0.2	S40A	Lebanon	122.65	37	P	PKPdf	04 53 52.0 0.0	Z41A	Richland Creek	125.21	42	ePKPdf	PKPdf	04 53 58.1 +1.1
ALMR	Almeirim	119.27	322	ePKP	PKPdf	04 53 44.7 -0.7	O43A	Sugar Creek Fa	122.65	33	P	PKPdf	04 53 52.0 +0.1	S46A	Don Dixon Farm	125.37	34	P	PKPdf	04 53 57.6 +0.4
ALMR	Almeirim	119.27	322	ePKPdf	PKPdf	04 53 45.5 +0.1	U39A	Green Forest	122.83	39	P	PKPdf	04 53 52.2 -0.2	MEDO	Medina	125.50	23	P	PKPdf	04 53 58.8 +1.5
EVO																				

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for various stations.

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Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for various stations.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC. Includes stations like Kafar-mosalman, Komasi, Veis, etc.

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

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC. Includes stations like Mitsune, Hachijo jima 2, Boso 1, etc.

ISN 09 05:42:59.3; 1.5, 32.122N; 47.09E, h14km, gkm, ML2.9

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC. Includes stations like Kafar-mosalman, Komasi, Veis, etc.

ATA 09 05:48:42.1; 1.5, 39.22N; 41.74E, h21km, 10km, ML3.6, MW3.3

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

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC. Includes stations like Karacaban, BINGOL, Cat-ERZURUM, etc.

CSEM 09 05:56:11.1; 2.0, 58.33N; 19.93E, h2km, ML2.9, Error ellipse: s-maj=6.4km s-min=4.4km az=155.0, Mining explosion.

HEL 09 05:56:12.1; 2.0, 58.35N; 19.86E, h0km, ML2.3, ML2.9(UPP), Explosion

UPP 09 05:56:12.2; 2.0, 58.36N; 19.64E, h0km, ML2.9, Error ellipse: s-maj=1.2; s-min=2.4; 58.38N; 19.87E, h0km, mbl 3.2/4, mb1 mx2=2.0/6, mbmp3=1.4, ML2.9/4, Error ellipse: s-maj=28.0km s-min=7.5km az=172.0

BER 09 05:56:13.7; 4.1, 58.46N; 19.73E, h0km, 20km, ML2.3(NAO)

NAO 09 05:56:14.4; 2.1, 58.59N; 19.66E, ML2.3

ISN 09 05:56:09.9; 1.3, 58.34N; 0.03; 19.85E; 0.03, h3km, 10km, n66, c1971/88, Baltic Sea

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details like frequency and power. Includes stations like VSTU, UPP, ASPU, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details. Includes stations like MRSI, APST, MRSI, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details. Includes stations like SENK, EKAR, KARACOBAN, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details. Includes stations like IDC, ISCB, DJA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details. Includes stations like TIF, ATA, NSSP, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details. Includes stations like SENK, EKAR, KARACOBAN, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GDB, ERZIN, SEAG, THILISI SEA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like OBN, ARU, KLMR, GERES, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BORA, ARMT, YLV, GULT, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ASCENSION HYDRI, Tsumeb, Dimbole, Boshof, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Pinotepa, Tlapa, Vista Hermosa, Platanillo, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Vasula, Pernaia, Bornholm Skovb, etc.









Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for CTA Charters Tower, STKA Stephens Creek, WRA Warramunga Arr, etc.

SOME 09:09:17.45.3, 41.27N, 70.98E, h5km
NNC 09:09:17.46.0, 2.4, 41.26N, 70.87E, h0km, mb3.0, mpv2.7, Error ellipse: s-maj=23.1km s-min=10.0km az=55.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for ARK Arkit, IUG Iuzhnyy, BTX Batken, ARSB Arslanbob, etc.

ISK 09:09:18.43.5, 39.62N, 29.40E, h3km, ML2.3/10, Suspected Mining explosion.

ISCJB 09:09:18.44.1, 0.4, 39.65N, 0.03, 29.43E, 0.03, h0km, Error ellipse: s-maj=4.2km s-min=3.6km az=171.0
CSEM 09:09:18.44.0, 1, 39.63N, 29.43E, h5km, ML2.3, Error ellipse: s-maj=3.1km s-min=2.8km az=93.0, Suspected Mining explosion.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for TVSB Tavsanli, KDZ Gediz, DURS Dursunbey, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for ISK Istanbul-Kandi, SILT Site, KAND Kocaeli-Kandir, etc.

ISK 09:09:25.00.1, 38.99N, 34.88E, h8km, ML2.3/7
CSEM 09:09:25.01.0, 0.3, 39.00N, 34.90E, h5km, ML2.7, Error ellipse: s-maj=7.1km s-min=5.5km az=129.0
DDA 09:09:25.01.7, 39.06N, 34.91E, h7km, ML2.7
ISC 09:09:25.01.3, 1.0, 39.00N, 0.03, 34.88E, 0.03, h12km, 10km, n30, c065/36, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for AVNS Nevsehir-Avano, YOZ Yozgat, CDAG Cidekdag, etc.

ISC 09:09:28.58.5, 2.2, 39.13N, 142.61E, h0km, mb3.6/3, mb1 3.5/5, mb1mx3.1/77, mbmtpp3.4/5, ML2.9/2, MS2.3/1, Ms1 2.3/1, ms1mx1.9/62, Error ellipse: s-maj=55.1km s-min=27.5km az=86.0

ISCJB 09:09:29.08.9, 0.8, 38.85N, 0.04, 141.70E, 0.09, h66km, 5km, mb3.3, 3.3, Error ellipse: s-maj=12.1km s-min=6.1km az=17.3

JMA 09:09:29.10.2, 38.86N, 141.64E, h61km, 1km, M3.3
Eroadband fault plane solution: P waves. NP1:
p16.00000, s67.00000, lambda3.00000, NP2: p215.00000, s24.00000, lambda107.00000, Principal axes: T: Plg67.00000, Azm273.00000; N: Plg7.00000, Azm19.00000; P: Plg22.00000, Azm112.00000

JMA Felt J1.
ISC 09:09:29.07.1, 2.3, 38.86N, 0.05, 141.71E, 0.09, h61km, 7km, n22, c069/24, mb3.5/3, 3C-5D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for OFUJ Ofunato, JMK Ichinoseki, JIO Ouri, etc.

ASAJ Matsushiro Arr 3.61 231 Pn 09 30 05.6 +2.4
ASAJ Asahikawa 5.30 7 Pn 09 30 14.5 -12
JNU Nakatsue 10.47 240 LR 09 36 29.9

H11N2 WAKE ISLAND Hy 28.92 124 T 10 05 43.3
H11N1 WAKE ISLAND Hy 28.93 124 T 10 05 44.0
H11N3 WAKE ISLAND Hy 28.94 124 T 10 05 46.6
H11S1 WAKE ISLAND Hy 29.69 126 T 10 06 37.1
H11S3 WAKE ISLAND Hy 29.70 126 T 10 06 37.3
H11S2 WAKE ISLAND Hy 29.71 126 T 10 06 38.5

KARB Makanchi Arr 43.37 301 P 09 37 05.9 0.0
KURBB Kurchatov Arr 45.09 307 P 09 37 19.4 -0.1
WRA Warramunga Arr 58.90 188 P 09 39 01.9 -0.5

DDA 09:09:30.11.4, 37.21N, 39.26E, h7km, ML2.5
ISC 09:09:30.08.0, 3.2, 36.8N, 0.2, 39.17E, 0.08, h9km, n7, c150/10, Jordan-Syria region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for SANL SANLIURFA\_Merk, URFU Urfat, MAZI Mazidag, etc.

ISCJB 09:09:42.51.5, 0.2, 32.10N, 0.02, 115.71W, 0.02, h10km, mb3.6/1, Error ellipse: s-maj=2.7km s-min=2.1km az=37.7
NEIC 09:09:42.53.1, 0.3, 32.11N, 115.75W, h4km, ML3.6/1 (EXC), MW3.7(PAS), After ETCX.

NEIC Felt at Lakeside and San Diego, California.
CSEM 09:09:42.55.2, 0.3, 32.02N, 115.92W, h7km, 6km, MD4.0
DDA 09:09:42.56.3, 3.3, 32.12N, 115.28W, h0km, mb3.6/1, mb1 3.5/5, mb1mx3.3/67, mbmtpp3.2/5, ML3.2/4, MS2.5/1, Ms1 2.5/1, ms1mx2.1/58, Error ellipse: s-maj=50.1km s-min=15.4km az=44.0

ISC 09:09:42.51.8, 0.7, 32.12N, 0.02, 115.75W, 0.02, h10km, n101, c156/121, 8C-4D, California-Baja California border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for CPXB Cerro Prieto, CPXB Cerro Prieto, CPXB Cerro Prieto, etc.

RMX comp=N, 3.1um, 0.5s
RMX comp=E, 4.0um, 0.6s
RMX comp=N, 4.0um, 0.2s
RMX comp=E, 4.0um, 0.2s

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for RMX La Rumorosa, IKP In-Ko-Pah, IKP In-Ko-Pah, etc.

GLA Glamis 1.21 40 ePn 09 43 13.2 -1.7
109C Camp Elliot, M 1.38 304 P 09 43 17.4 -0.4

CPE Camp Elliot 1.38 304 ePn 09 43 17.4 -0.3
CPE Camp Elliot 1.38 304 ePn 09 43 17.4 -0.3

XPFO Pinyon Flat 1.60 338 ePn 09 43 19.6 -0.6
XPFO Pinyon Flat 1.60 338 ePn 09 43 19.6 -0.7

PFO Pinyon Flats 0 1.60 338 ePn 09 43 19.6 -0.8
PFO Pinyon Flats 0 1.60 338 ePn 09 43 19.6 -0.8

113A Mohawk Valley, Belle Mtn, Jos 1.79 68 ePn 09 43 21.6 -1.2
BELC Belle Mtn, Jos 1.89 354 P 09 43 23.8 -0.4

MURC Murrieta 1.92 321 P 09 43 24.5 -0.1
MURC Murrieta 1.92 321 P 09 43 24.5 -0.1

Y12C Blythe 1.92 32 P 09 43 23.7 -0.9
Y12C Blythe 1.92 32 ePn 09 43 23.7 -0.9

IRM Iron Mountain 2.09 14 P 09 43 26.6 -0.4
BBRC Big Bear Solar 2.35 336 P 09 43 31.2 +0.5

214A Organ Pipe Nat 2.50 93 P 09 43 30.5 -2.0
214A Organ Pipe Nat 2.50 93 ePn 09 43 29.9 -2.7

SC12 San Clemente I 2.52 291 S 09 44 05.1 +1.6
CIS Catalina Islan 2.59 300 P 09 43 33.7 -0.1

CIS Catalina Islan 2.59 300 P 09 43 33.7 -0.1
BFSC Mount Baldy Ra 2.65 323 P 09 43 38.9 -0.6

GMRC Granite Mounta 2.66 2 P 09 43 34.7 -0.2
FMP Fort MacArthur 2.67 307 Sb 09 44 14.6 -3.0

MWC Mount Wilson 2.86 318 ePn 09 43 41.4 -1.6
PASC Pasadena Art C 2.89 316 ePn 09 43 43.2 -0.3

LDFC Landfair 3.00 110 ePn 09 43 40.8 +1.3
DECC Cedar Verdego 3.04 315 Sb 09 44 26.0 -3.5

GSC Goldstone, Bar 3.29 345 ePn 09 43 45.0 +1.5
EDW2 Edwards Air Fo 3.33 326 Sb 09 43 35.3 -3.6

W13A Husalupal Mount 3.35 27 ePn 09 43 44.7 +0.3
BLG Laguna Peak, B 3.42 306 Sb 09 44 37.8 -3.9

OSI Osito Audit: C 3.52 316 ePn 09 43 54.1 -0.1
ISA Isabella, Lake 4.20 328 ePn 09 43 57.0 +1.1

X16A Lo Mia Camp, P 4.27 56 ePn 09 43 52.2 +0.1
SHPR Sheep Range 4.40 6 ePn 09 43 59.3 +0.4

DAC Darwin (Caif) 4.42 340 ePn 09 44 01.1 +2.0
TPNV Topopah Spring 4.83 355 ePn 09 44 06.7 +1.9

WUAZ Cedar City 4.97 46 ePn 09 44 08.4 +1.8
U15A North Rim 5.15 33 ePn 09 44 11.7 +1.7

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station Type. Includes stations like Paradox Valley, SRU, ANMO, PV10, P17A, etc.

ISCJB 09 09:48:09.8, 0.7, 6.92S, 0.06E, 75.98W, 0.08, h10km, mb3.3/4, Error ellipse: s-maj=10.8km s-min=9.0km az=4.2

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station Type. Includes stations like ATAH, NNA, ROSC, LPAZ, etc.

ISCJB 09 09:50:57.4, 0.8, 39.10N, 0.03, 29.06E, 0.04, h2km, 8km, Error ellipse: s-maj=5.8km s-min=5.6km az=6.6

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station Type. Includes stations like KULA, MANT, KHAL, etc.

CSEM 09 09:55:14.2, 39.36N, 0.37E, h17km, ML2.0, ISK 09 09:55:14.2, 39.36N, 0.37E, h17km, ML2.0/4

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station Type. Includes stations like YEDI, BNGB, BINT, etc.

CSEM 09 10:00:28.1, 1.1, 0.49, 66N, 16.58E, h1km, ML1.5, Error ellipse: s-maj=30.9km s-min=16.1km az=109.0, Suspected Mining explosion.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station Type. Includes stations like VRAC, MORA, CONR, etc.

ISC 09 10:03:10.8, 2.0, 10.34S, 119.68E, h0km, mb3.6/1, mb1.3/7.5, mb1mx3.4/57, mbtmp3.6/5, ML3.3/4, Error ellipse: s-maj=54.1km s-min=26.1km az=40.0, Sumba region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station Type. Includes stations like BATI, FITZ, WRA, ASAR, MKAR, etc.

ISC 09 10:11:45.9, 0.9, 28.86N, 142.17E, h0km, mb3.8/10, mb1.3/9.12, mb1mx3.6/68, mbtmp3.8/12, ML3.3/2, MS3.3/12, Ms1.3/3/12, ms1mx3.0/63, Error ellipse: s-maj=26.4km s-min=17.3km az=73.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station Type. Includes stations like CBIJ, JCJ, JHJ, etc.

ISC 09 10:18:37.8, 3.6, 26.38N, 128.59E, h0km, mb3.2/3, mb1.3/4.3, mb1mx3.2/60, mbtmp3.2/3, Error ellipse: s-maj=212.1km s-min=13.7km az=66.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station Type. Includes stations like JOW, JOW, JOW, etc.

DHMR 09 10:25:07.2, 1.2, 11.72N, 42.63E, h17km, 999km, ML3.8, ISCJB 09 10:25:10.2, 1.1, 11.99N, 0.04, 42.29E, 0.07, h10km, Error ellipse: s-maj=10.3km s-min=6.1km az=176.8

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station Type. Includes stations like MAOD, LDLD, SGH, etc.

NIED 09 10:35:00.3, 7.0, 141.70E, h59km, mb3.5, Best double couple: M=1.91000e-1014, NP1=13.00000, 835.00000, 1.78.00000, NP2=207.00000, 856.00000, 1.98.00000

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station Type. Includes stations like JMM, JIO, JFK, etc.

SOME 09 10:38:30.6, 44.62N, 82.12E, h15km, NNC 09 10:38:31.9, 1.1, 44.66N, 82.18E, h0km, mb3.4, mpv3.0, Error ellipse: s-maj=15.9km s-min=2.6km az=117.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station Type. Includes stations like DJR, KAPS, MK31, etc.





9d 11h

Table with 4 columns: Station Name, Frequency, Band, and other parameters. Includes stations like KIEV Kiev, AKASA Malin Array B, AKBB Malin Array Si, etc.

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Table with 4 columns: Station Name, Frequency, Band, and other parameters. Includes stations like FETA Feichten, RETA Reutte, BRG Berggiesshubel, etc.

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Table with 4 columns: Station Name, Frequency, Band, and other parameters. Includes stations like DANN Dangsing, KOLN Koldanda, BORO Borgarnes, etc.

Table with 4 columns: Station Name, Frequency, Band, and other parameters. Includes stations like GATA Gaotai, SONM Sogingno Array, SONAR Sogingno Array, etc.

BUC 09 10:55:55.6:0.5,29:75S:71:70W,h10km,ML3.5,MW3.2

Table with 4 columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SIRR Siria, BZS Buzias, etc.

SJA 09 10:55:55.6:0.5,29:75S:71:70W,h10km,ML3.5,MW3.2

ISCJBU 09 10:55:57.0:1.5,29:69S:0:05:71.9W:0.1,h43km,Error

GUC 09 10:55:59.0:0.6,29:74S:71:06W,h7km,4km,ML3.4

ISC 09 10:55:59.1:0.8,29:72S:0:05:71.67W:0.10,h43km,n15,

Table with 4 columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TLL Tololo Astrono, G004 Tololo Observa, etc.

CSEM 09 10:59:33.9,38:66N:43:18E,h7km,ML2.5

DDA 09 10:59:33.9,38:66N:43:18E,h7km,ML2.5

ISC 09 10:59:34.0:1.0,38:66N:0:05:43:16E:0.03,h16km,n11km,

Table with 4 columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VANB Van, TVAN Van, etc.

MEX 09 11:07:34.0:0.3,14:75N:92:94W,h42km,20km,MD3.9,

Table with 4 columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PCIG Piuhuan, etc.

Table with columns: CCIG, Comitan, 1.71 27 i P, Pn, 11 08 00.8 -1.1, 11 08 20.2 -2.3, 11 08 04.9 -1.2, 11 08 27.8 -2.3

MEX 09 11:13:44.3±0.3, 15°34'N-98°54'W, h6km±9km, MD3.9, Off coast of Guerrero

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

ISC/JB 09 11:26:28.0±0.7, 8.5S±0.1, 158.53E±0.09, h150km, mb3.7/8, Error ellipse: s-maj=16.7km s-min=12.2km az=21.5

IDC 09 11:26:28.9±0.2, 8.39S-158.54E, h142km±21km, mb3.6/8, s-maj=31.2km s-min=16.6km az=137.0

ISC 09 11:26:29.7±0.8, 8.45S±0.1, 158.56E±0.1, h150km, n16, mb3.8/8, Error ellipse: s-maj=16.7km s-min=12.2km az=21.5

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

ISC/JB 09 11:36:49.7±0.5, 39°10'N-0°03'29.14E±0.03, h1km, 6km, Error ellipse: s-maj=4.7km s-min=3.6km az=170.8

DDA 09 11:36:49.4, 39°11'N-29.12E, h13km, M12.6

ISC 09 11:36:49.0±0.1, 39°08'N-29.19E, h5km, ML2.4/7

CSEM 09 11:36:50.0±0.1, 39°08'N-29.15E, h10km, ML2.4, Error ellipse: s-maj=3.6km s-min=2.8km az=133.0

ISC 09 11:36:49.7±0.8, 39.09N±0.02, 29.14E±0.02, h10km±6km, n32, c=076/59, Turkey

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

KRNET 09 11:40:41.0±0.1, 41°34'N-72°85'E, h10km, mb1.7, 11C-4D, Kyrgyzstan

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

Table with columns: MNAS, Manas, 0.69 338 i P, Pg, 11 40 53.9 -0.6, 11 41 03.4 -0.2, 11 41 05.8 0.0, 11 41 21.7 -0.9, 11 41 15.0 +0.6, 11 41 38.6 -0.5, 11 41 39.1 -0.4, 11 41 24.8 +2.8

DDA 09 11:43:29.9, 37°01'N-29°09'E, h7km, M12.6

ISC 09 11:43:30.2±1.4, 37.02N±0.04, 29.09E±0.04, h1km±13km, n6, i=173/11, Turkey

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

IDC 09 11:45:25.9±8.3, 3.34N-95°08'E, h0km, mb3.4/3, mb1.3/6/3, mb1mx3.2/62, mbtmp3.4/3, MS3.0/1, Ms1.3/0.1, ms1mx2.3/39, Error ellipse: s-maj=408.1km s-min=30.3km az=56.0, Off west coast of northern Sumatra

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

MEX 09 11:49:23.4±0.3, 16°14'N-98°63'W, h7km±16km, MD3.8, Near coast of Guerrero

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

DDA 09 11:52:57.5, 40°03'N-37°37'E, h12km, M12.5, Suspected Mining explosion.

ISC/JB 09 11:52:58.5±0.5, 40°03'N-37°41'E±0.03, h0km, Error ellipse: s-maj=4.7km s-min=3.0km az=2=7.5

CSEM 09 11:52:58.4±0.2, 40°03'N-37°42'E, h2km, ML2.5, Error ellipse: s-maj=6.0km s-min=4.0km az=2.0, Suspected Mining explosion.

ISC 09 11:52:58.1, 40°06'N-37°43'E, h6km, ML2.5/6

ATA 09 11:52:59.6±0.4, 40°12'N-37°64'E, h0km±42km, ML2.4, M12.6

ISC 09 11:52:57.6±0.8, 40°04'N-0°03'37.38E±0.02, h0km, n37, c=065/58, Turkey

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

ISC/JB 09 11:54:27.5±0.6, 24°10'S±0.05, 66°9'W±0.1, h181km, mb3.8/8, Error ellipse: s-maj=13.4km s-min=7.1km az=169.1

SJA 09 11:54:27.9±0.5, 24°12'S±66°88'W, h202km±7km, ML3.1, MW3.5, 1.0

IDC 09 11:54:28.6±2.4, 24°04'S±66°86'W, h189km±24km, mb3.6/6, mb1.3/5.9, mb1mx3.3/39, mbtmp3.9/9, Error ellipse: s-maj=30.0km s-min=15.8km az=100.0

ISC 09 11:54:27.6±0.7, 24°08'S±0.06, 66°92'W±0.08, h181km, n17, c=157/19, mb3.8/8, Salta Province

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

DDA 09 11:54:29.9, 37°01'N-29°09'E, h7km, M12.6

ISC 09 11:43:30.2±1.4, 37.02N±0.04, 29.09E±0.04, h1km±13km, n6, i=173/11, Turkey

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

CSEM 09 12:09:04.7±0.3, 38°12'N-36°42'E, h5km, ML2.7, Error ellipse: s-maj=6.4km s-min=6.1km az=64.0

ISC 09 12:09:04.3, 38.06N±0.06, 36.41E±0.14, h14km, ML2.3/6

DDA 09 12:09:05.0, 38°10'N-36°47'E, h7km, M12.7

ISC 09 12:09:04.5±1.2, 38.11N±0.04, 36.41E±0.02, h9km±12km, n20, c=051/32, Turkey

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

NIED 09 12:09:00.4±0.0, 00°00'N-143°60'E, h14km, Mw3.7 Best double couple: M4.02000x10^14 N1.193.00000°, S31.00000°, 7.80.00000°, NP2.25.00000°, 860.00000°, h96.00000°

ISC/JB 09 12:09:29.8±0.5, 39°39'N-0°04'143.66E±0.06, h6km, mb3.6/13, Error ellipse: s-maj=7.3km s-min=5.5km

IDC 09 12:09:30.3±0.8, 39°32'N-143°62'E, h0km, mb3.6/13, Ms1.3/7/16, mb1mx3.6/64, mbtmp3.6/16, ML3.2/3, MS2.8/3, Ms1.2.8/3, ms1mx2.3/70, Error ellipse: s-maj=23.3km s-min=15.8km az=104.0

JMA 09 12:09:31.3±0.4, 40°03'N-143°57'E, h6km±4km, M3.6

ISC 09 12:09:31.5±0.8, 39°39'N-0°06'143.55E±0.08, h6km, n37, c=094/34, mb3.6/13, Off east coast of Honshu

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

9rd 13h

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

ISCJB 09 12:10:58.4,0.8,49.77N,0.05,18.46E,0.05,h0km, Error ellipse: s-maj=7.7km s-min=3.3km az=28.7
IPEC 09 12:10:58.8,1.8,49.82N,18.56E,h0km,ML1.8/3, Error ellipse: s-maj=21.3km s-min=10.8km az=161.0
CSEM 09 12:10:58.2,0.5,49.81N,18.52E,h1km,ML2.8/8, Error ellipse: s-maj=10.7km s-min=3.8km az=29.0
PRU 09 12:10:59.1,1.1,49.82N,18.45E,h0km
ISC 09 12:10:57.9,1.1,49.82N,0.06,18.53E,0.04,h0km,m20, o=95/32, Czech and Slovak Republics

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Ostrava-Krasne, Moravsky Berou, LANS Liptovska Anna, etc.

SJA 09 12:25:32.7,0.5,32.81S,69.23W,h32km,2km,ML3.0, MW4.0,8C-9D, Fault plane solution: N1P1,sl:155.20000°, 852.90000°,122.70000°, Mendoza Province

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like CERRO ARCO, ASAL Salagasta, AAGR Agrelo, etc.

ISCJB 09 12:42:24.5,0.4,1.56N,0.04,91.29E,0.02,h10km, mb4.1/25,MS3.5/23, Error ellipse: s-maj=6.3km s-min=3.3km az=13.0
IDD 09 12:42:24.5,1.0,1.52N,91.33E,h0km,mb4.0/16, mb1.4/2/19,mb1mx3.9/75,mbtmp4.0/19,ML4.1/13,MS3.5/25, Ms1.3.5/25,ms1mx3.9/59, Error ellipse: s-maj=29.2km s-min=16.3km az=29.0

NEIC 09 12:42:26.2,0.6,1.54N,91.23E,h10km,mb4.3/10, Error ellipse: s-maj=13.0km s-min=6.6km az=193.0
DJA 09 12:42:27.4,0.8,2.7N,3.9E,h17km,6km,M5.0/23, mb5.0/22,mb5.4/13,ML5.5/16,MWb4.9/13

ISC 09 12:42:26.5,0.6,1.53N,0.08,91.19E,0.05,h10km,n99, o=172/92,mb4.1/26,MS3.5/23, North Indian Ocean

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Banda Aceh, Meulaboh, Aceh, Gunungsitoli, etc.

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Main table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like IPM Polih, TRIT Trang, KRJI Kerinci, SKLT Songhla, etc.

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TXAR Lajitas Array 146.18 24 PKPbc PKPdf 13 02 06.6 -0.5 comp=2.0,6nm,0.7s,baz=338,slow=5.7,SNR=2.8

NEIC 09 12:42:37.3,0.0,0.0,15.99N,98.41W,h4km,MD4.0(MEX), After MEX.
MEX 09 12:42:37.3,0.4,15.99N,98.41W,h4km,3km,MD4.0,Off coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Pinotepa, Vista Hermosa, El Cayaco, etc.

IDC 09 12:44:08.2,1.5,16.82S,167.53E,h0km,mb4.0/6, mb1.4/2.7,mb1mx3.8/46,mbtmp4.0/7,ML4.7/1,MS3.3/3, Ms1.3.4/3,ms1mx2.8/40, Error ellipse: s-maj=45.6km s-min=24.7km az=119.0

ISCJB 09 12:44:09.9,1.4,16.93S,0.07,167.5E,0.3,h25km, mb3.9/6,MS2.9/1, Error ellipse: s-maj=35.7km s-min=10.1km az=2.4

ISC 09 12:44:11.8,1.3,16.90S,0.10,167.5E,0.3,h25km,m10, o=58/11,mb4.0/6,Vanuatu Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Mont Dzumac, Raoul Island, WRA Warramunga Arr, etc.

IDC 09 12:44:33.2,1.0,6.91S,75.71W,h0km,mb3.5/4, mb1.3/10,mb1mx2.7/47,mbtmp3.7/10,ML3.6/6,MS2.9/4, Ms1.3.0/4,ms1mx2.7/32, Error ellipse: s-maj=24.2km s-min=21.0km az=27.0

ISCJB 09 12:44:35.9,0.5,6.95S,0.04,75.65W,0.06,h33km, mb3.4/4, Error ellipse: s-maj=8.1km s-min=5.5km az=13.6

ISC 09 12:44:38.2,0.7,6.95S,0.07,75.68W,0.08,h35km,n19, o=93/20,mb3.4/4,Northern Peru

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like ATHA Athualpa, NNA Nana, FLOCC Florencia, etc.

ISC 09 13:40:10.8,0.2,39.61N,28.90E,h18km,2km,ML2.6, Error ellipse: s-maj=5.3km s-min=3.3km az=53.0
DDE 09 13:40:10.6,39.66N,28.91E,h7km,ML2.6
ISC 09 13:40:10.4,39.60N,28.89E,h17km,ML2.5/8
ISC 09 13:40:09.6,1.2,39.51N,0.02,28.89E,0.02,h3km,m11km, n20, o=75/43, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Dursunbey, Orhaneli, Tavsani, etc.



9d 14h

0.9nm,0.5s,baz=319,slow=11,SNR=3.9 MKAR Makanchi Array 66.36 328 P 14 26 20.2 -3.2

SFS 09 14:19:24.0,32.80N,6:70W,h0km,ML3.6 MDD 09 14:19:25.7,44.32.88N,6:70W,h0km,m4.21, Error ellipse: s-maj=49.3km s-min=38.7km az=84.0,PRXIMO SIN SOLUCIN CSEM 09 14:19:28.0,0.6,33:12N,6:75W,h2km,mb4.2, Error ellipse: s-maj=13.5km s-min=5.8km az=157.0 ISC 09 14:19:27.2,3.5,33.0N,0.2,6:73W,0:09,h10km,n15, az=070/26, Morocco

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like AVE, AVE, PVAQ, PVAQ, PVAQ, etc.

BUIJ 09 14:27:08.5,1:57N,89:74E,h10km,mb4.8/45,mb4.8/26, Ms4.2/15, Ms7 4.0/11

ISCJB 09 14:27:13.5,0.3,2:17N,0:04,89:91E,0:02,h10km, mb4.5/50, MS3.9/5, Error ellipse: s-maj=5.9km s-min=3.1km az=17.1

ISC 09 14:27:14.3,0.6,2:27N,89:80E,h0km,mb4.2/26, mb1.4/32, mb1.7m/44, 17.0, mbtmp4.2/29, ML4.1/13, MS3.4/9, Ms1 3.4/9, mb1mx3.1/63, Error ellipse: s-maj=17.8km s-min=11.8km az=37.0

NEIC 09 14:27:15.1,2.8,2:29N,89:76E,h7km,17km,mb4.7/13, Error ellipse: s-maj=8.5km s-min=5.4km az=217.0

ISC 09 14:27:15.1,0.5,2:20N,0:06,89:79E,0:05,h10km,n128, az=165/144,mb4.6/50,MS4.0/6,4C-2D,North Indian Ocean

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like BSI, BSI, BSI, etc.

2012 MAY

Main data table with columns: Station Name, Az, Phase ID, Time, Res. Rows include stations like LAMP, LAMP, LAMP, etc.

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Table with columns: Station Name, Az, Phase ID, Time, Res. Rows include stations like BRVK, BRVK, BRVK, etc.

CSEM 09 14:35:22.4,0.6,36:08N,28:53E,h2km,ML2.4, Error ellipse: s-maj=13.6km s-min=9.8km az=159.0 ISC 09 14:35:22.3,36.11N,28:53E,h9km,ML2.4/3, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like FOCM, FOCM, FOCM, etc.

MOS 09 14:49:49.7,1.0,0:89S,13:53W,h10km,mb5.4/107, MS5.0/77, Error ellipse: s-maj=7.3km s-min=3.9km

az=65.2  
 ISCJB 09 14:49:49.5, 0.1, 1.04S, 0.03:13.59W, 0.02, h12km, mb5.3/301, MS5.0/404, Error ellipse: s-maj=3.9km s-min=2.3km az=150.4  
 NEIC 09 14:49:50.0, 0.0, 0.77S:13.48W, h11km, Moment Tensor Solution. s48 Moment tensor: Scale 1017Nm; Mr=0.04; Mw=0.88; Mb=0.84; M0=0.02; Mw=2.40; Mw=2.9; Best double couple: M2:6.0000x1017 N1:170.00000, 589.00000, 1-6.00000, NP2:260.00000, 583.00000, 1-179.00000. Principal axes: T 2.5800, Plg4.0000, Azm215.0000; N 0.0300, Plg3.0000, Azm342.0000; P -2.5400, Plg5.0000, Azm124.0000  
 IDC 09 14:49:50.3, 0.3, 0.95S:13.46W, h0km, mb4.9/57, mb1.5/0.58, mb1mx4.9/3, mbtp4.9/58, ML5.1, MS4.8/45, Ms1.8/45, ms1mx4.7/51 Error ellipse: s-maj=10.2km s-min=8.1km az=146.0  
 GCMT 09 14:49:51.0, 0.1, 0.74S:13.41W, h18km, MW5.6/144, Moment Tensor Solution. s102,c193; s144,c356; Duration: 1s5 Moment tensor: Scale 1017Nm; Mr=0.23; Mw=1.50; Mb=1.26; Mw=2.03; Mw=3.02; Mw=2.60; Mw=1.01; Mw=1.07; Best double couple: M2:96100x1017 N1:256.00000, 589.00000, 1-174.00000. NP2:166.00000, 584.00000, 1-1.00000. Principal axes: T 3.0700, Plg4.0000, Azm31.0000; N -0.2220, Plg8.0000, Azm267.0000; P -2.8450, Plg5.0000, Azm121.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/manile waves, cutoff=50s.  
 NEIC 09 14:49:51.3, 0.1, 0.97S:13.60W, h12km, mb5.4/204, MS5.0/298, MW5.6, MW5.5 Error ellipse: s-maj=4.4km s-min=2.8km az=155.0, Moment Tensor Solution. s55 Moment tensor: Scale 1017Nm; Mr=0.13; Mw=1.42; Mw=1.55; Mw=0.43; Mw=2.15; Mw=0.38; Best double couple: M2:70000x1017 N1:191.3072, 583.00000, 1.173.00000. NP2:163.00000, 583.00000, 1.1.000000. Principal axes: T 2.6700, Plg12.0000, Azm28.0000; N 0.0200, Plg7.0000, Azm195.0000; P -2.6900, Plg3.0000, Azm297.0000  
 ISC 09 14:49:51.0, 0.4, 0.99S:0.04:13.55W, 0.05, h9km, 2km, h9km, pP-P, n1304, c1945/1206, mb5.3/301, MS5.0/408, 41C-11D, North of Ascension Island

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
H10N2	ASCENSION HYDR	6.86	188	Op	14 58 50.9	ISC
H10N3	ASCENSION HYDR	6.87	188	T	14 58 47.9	ISC
H10N1	ASCENSION HYDR	6.88	188	Pn	14 51 30.4	-1.4
H10N1	ASCENSION HYDR	6.88	188	Pn	14 58 50.9	ISC
ASCN	Ascension	6.95	187	ePn	14 51 30.9	-2.1
H10S1	ASCENSION HYDR	7.98	188	Pn	14 51 45.8	-1.1
H10S1	ASCENSION HYDR	7.98	188	T	15 00 13.5	ISC
H10S3	ASCENSION HYDR	7.99	188	T	15 00 18.0	ISC
H10S2	ASCENSION HYDR	7.99	188	T	15 00 14.1	ISC
LIC	Lamto	11.12	50	eP	14 52 26.5	-3.9
TIC	Toumoudi	11.40	48	eP	14 52 29.2	-5.1
KIC	Kosan Boka	11.43	50	eP	14 52 30.0	-4.6
DBIC	Dimbokro	11.54	49	Pn	14 52 31.3	-4.8
DBIC	Dimbokro	11.54	49	Sn	14 54 32.7	-1.3
DBIC	Dimbokro	11.54	49	LR	14 56 16.1	ISC
DBIC	Dimbokro	11.54	49	Pn	14 52 31.0	-5.1
DBIC	Dimbokro	11.54	49	Sn	14 54 32.8	-1.3
BBTS	Babate	15.83	39	Pn	14 53 32.5	-1.7
SBEL	Shes Pasture	16.75	153	eP	14 53 47.6	-0.8
SHEL	Shes Pasture	16.75	153	eP	14 53 47.6	-0.8
KOWA	Kowa	18.05	31	Pn	14 53 55.9	-6.4
KOWA	Kowa	18.05	31	Sn	14 57 02.3	-2.2
KOWA	Kowa	18.05	31	LR	15 00 28.4	ISC
KOWA	Kowa	18.05	31	Pn	14 53 55.7	-6.6
KOWA	Kowa	18.05	31	Sn	14 57 02.3	-2.2
SACV	Santiago Islan	18.72	328	eP	14 54 08.5	-1.6
TOCS	Torodi Ar. Sit	20.61	47	PFAKE	14 54 40.0	+6.9
TOB4	Torodi Ar. Sit	20.62	47	PFAKE	14 54 40.0	+6.8
TOC4	Torodi Ar. Sit	20.62	47	PFAKE	14 54 40.0	+6.8
TOB5	Torodi Ar. Sit	20.63	47	PFAKE	14 54 40.0	+6.7
TOA3	Torodi Ar. Sit	20.63	47	PFAKE	14 54 40.0	+6.7
TOC7	Torodi Ar. Sit	20.64	47	PFAKE	14 54 40.0	+6.6
TOA0	Torodi Ar. Sit	20.64	47	eP	14 54 28.5	-2.6
TOA0	Torodi Ar. Sit	20.64	47	P	14 54 28.7	-2.4
TOA0	Torodi Ar. Sit	20.64	47	S	14 58 13.0	-9.1
TOB3	Torodi Ar. Sit	20.64	47	PFAKE	14 54 40.0	+6.6
TORD	Torodi Ar. Bea	20.64	47	P	14 54 28.7	-2.4
TORD	Torodi Ar. Bea	20.64	47	S	14 58 03.3	-1.9
TOA1	Torodi Ar. Sit	20.64	47	PFAKE	14 54 40.0	+6.6
TOA2	Torodi Ar. Sit	20.64	47	PFAKE	14 54 40.0	+6.6
TOC3	Torodi Ar. Sit	20.65	47	PFAKE	14 54 40.0	+6.5
TOB2	Torodi Ar. Sit	20.65	47	PFAKE	14 54 40.0	+6.5
TOC1	Torodi Ar. Sit	20.66	47	PFAKE	14 54 40.0	+6.4
TOC2	Torodi Ar. Sit	20.66	47	PFAKE	14 54 40.0	+6.3
RCBR	Riachuelo	22.81	257	P	14 54 56.6	+2.0
RCBR	Riachuelo	22.81	257	eP	14 54 56.6	0.0
TAM	Tamanrasset	30.07	37	eP	14 56 01.1	+0.1
TAM	Tamanrasset	30.07	37	LR	14 56 01.1	+0.1
TAM	Tamanrasset	30.07	37	P	14 56 01.1	+0.1
TAM	Tamanrasset	30.07	37	pmax	14 56 01.1	+0.1
TAM	Tamanrasset	30.07	37	MLR	14 56 01.1	+0.1
PMOZ	Porto Moniz, M	33.80	354	eS	15 01 59.5	+1.6
PMOZ	Porto Moniz, M	33.80	354	eLR	15 05 32.9	ISC

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
MBAR	Mbarara	44.29	90	eP	14 58 01.6	-0.2
MBAR	Mbarara	44.29	90	pmax	14 58 01.6	-0.2
MBAR	Mbarara	44.29	90	MLR	14 58 01.6	-0.2
MBAR	Mbarara	44.29	90	MLR	14 58 01.6	-0.2
LBTB	Lobate	44.71	125	P	14 58 05.0	0.0
LBTB	Lobate	44.71	125	eP	14 58 04.5	-0.4
LBTB	Lobate	44.71	125	eP	14 58 04.5	-0.4
SUR	Sutherland	44.97	137	P	14 58 07.6	+0.5
SUR	Sutherland	44.97	137	eP	14 58 07.2	+0.1
WDD	Wied Dalam	45.02	33	PFAKE	14 58 20.0	+1.3
VSL	Villasalto	45.44	25	eP	14 58 11.3	+0.9
VSL	Villasalto	45.44	25	LR	14 58 11.3	+0.9
CLTB	Callabellotta	45.67	30	eP	14 58 12.8	+0.5
CLTB	Callabellotta	45.67	30	LR	14 58 12.8	+0.5
BOSA	Boshof	46.12	130	P	14 58 15.8	-0.3
BOSA	Boshof	46.12	130	LR	15 14 11.6	ISC
VAE	Valguarnera	46.20	31	eP	14 58 17.2	+0.7
PTGA	Pitinga	46.41	270	P	14 58 20.0	+1.5
PTGA	Pitinga	46.41	270	PcP	14 59 54.5	+1.0
PTGA	Pitinga	46.41	270	eP	14 58 19.4	+0.9
PTGA	Pitinga	46.41	270	PcP	14 59 54.5	+1.0
PTGA	Pitinga	46.41	270	PcP	14 59 54.5	+1.0
LF	La Frestale	47.46	14	eP	14 58 26.9	+0.7
CEL	Celeste	47.56	32	PFAKE	14 58 40.0	+1.3
CAF	Calvia	47.78	15	eP	14 58 29.0	+0.3
TIP	Timpagrade	48.69	31	eP	14 58 35.1	-0.8
TIP	Timpagrade	48.69	31	P	14 58 36.1	+0.2
SSB	Saint Sauveur	48.78	17	eP	14 58 36.0	-0.4
SSB	Saint Sauveur	48.78	17	LR	14 58 36.1	-0.4
SSB	Saint Sauveur	48.78	17	eP	14 58 36.1	-0.4
CUC	Castrocco	48.84	12	eP	14 58 37.2	+0.4
MFF	Saint Martin d	48.84	12	eP	14 58 37.2	+0.4
CPUP	Villa Florida	49.05	235	P	14 58 39.9	+1.1
CPUP	Villa Florida	49.05	235	PcP	15 00 03.6	+1.0
CPUP	Villa Florida	49.05	235	LR	15 16 32.7	ISC
CPUP	Villa Florida	49.05	235	PcP	15 00 03.6	+1.0
CPUP	Villa Florida	49.05	235	PcP	15 00 03.6	+1.0
SIV	San Ignacio	49.15	250	P	14 58 41.6	+1.9
H05S1	Guadeloupe/Mar	49.24	290	T	15 51 43.3	ISC
BNI	Bardonecchia	49.24	19	eP	14 58 38.3	-1.8
BNI	Bardonecchia	49.24	19	eP	14 58 38.3	-1.8
BNI	Bardonecchia	49.24	19	eP	14 58 38.3	-1.8
BNI	Bardonecchia	49.24	19	eP	14 58 38.3	-1.8
SVB	Belmont	49.36	288	PFAKE	14 58 50.0	+8.6
GRGR	Grenville	49.50	287	PFAKE	14 58 50.0	+7.6
AQU	L'Aquila	49.52	26	eP	14 58 42.1	-0.1
AQU	L'Aquila	49.52	26	LR	14 58 42.1	-0.1
AQU	L'Aquila	49.52	26	pmax	14 58 42.1	-0.1
FD	Fort de France	49.61	290	eP	14 58 43.0	-0.2
FD	Fort de France	49.61	290	eP	14 58 43.0	-0.2
FD	Fort de France	49.61	290	eP	14 58 43.0	-0.2
VLC	Villacollemand	49.77	22	PFAKE	14 59 00.0	+1.6
H05N1	Guadeloupe/Mar	49.92	292	T	15 52 19.7	ISC
SAML	Samuel	50.02	259	eP	14 58 46.9	+0.5
SAML	Samuel	50.02	259	LR	14 58 46.9	+0.5
SSF	Saint Saule	50.13	15	eP	14 58 47.4	+0.7
DYR	Agios Nikonas	50.19	38	P	14 58 52.5	+2.2
ITM	Ithomi	50.27	34	PFAKE	14 59 00.0	+1.3
RLS	Riolos of Patr	50.52	36	P	14 58 51.1	+1.4
RLS	Riolos of Patr	50.52	36	P	14 58 51.1	+1.4
RLS	Riolos of Patr	50.52	36	P	14 58 51.1	+1.4
RLS	Riolos of Patr	50.52	36	P	14 58 51.1	+1.4
GDHS	Morne Mazeau	50.57	292	PFAKE	14 58 50.0	+9.4
DRO	Drossia	50.59	36	P	14 58 52.0	+1.7
SENIN	Lac Senin/Sane	50.60	19	PFAKE	14 59 00.0	+9.5
KEK	Kerkira	50.70	33	P	14 58 55.8	+4.6
KEK	Kerkira	50.70	33	P	14 58 55.8	+4.6
IGT	Igoumenitsa	50.87	34	P	14 58 51.3	-1.1
IGT	Igoumenitsa	50.87	34	P	14 58 51.3	-1.1
IDI	Anoyia	50.89	41	P	14 58 53.8	+1.1
IDI	Anoyia	50.89	41	LR	15 20 08.6	ISC
IDI	Anoyia	50.89	41	P	14 58 54.1	+1.4



Table with columns: IDI, Anoyia, 50.89, 41, eP, P, 14 58 53.6 +0.9, WLF, Waiferdange, 53.23, 16, eP, P, 14 59 09.7 -0.1, LPAZ, La Paz, 55.85, 251, eP, P, 14 59 29.6 -0.5

Table with columns: WLF, Waiferdange, 53.23, 16, eP, P, 14 59 09.7 -0.1, WLF, Waiferdange, 53.23, 16, eP, P, 14 59 09.7 -0.1, WLF, Waiferdange, 53.23, 16, eP, P, 14 59 09.7 -0.1

Table with columns: LPAZ, La Paz, 55.85, 251, eP, P, 14 59 29.6 -0.5, LPAZ, La Paz, 55.85, 251, eP, P, 14 59 29.6 -0.5, LPAZ, La Paz, 55.85, 251, eP, P, 14 59 29.6 -0.5



9d 14h

Table with columns for call sign, frequency, power, and other technical details. Includes stations like URVA, SDMD, CBN, PAGS, 959A, etc.

2012 MAY

Table with columns for call sign, frequency, power, and other technical details. Includes stations like MCWV, SFJD, SFJD, SFJD, etc.

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Table with columns for call sign, frequency, power, and other technical details. Includes stations like 350A, 250A, 450A, etc.

Table with columns for call ID, name, frequency, mode, power, and various performance metrics. The table is organized into three main vertical sections.

9d 14h

Table with columns: ID, Name, Azimuth, Elevation, P, S, 1502, 12.3, -1.8. Rows include C38A Sawbill Land, E38A The Farm, Brul, S39A Bolivar, W39A Magazine, F38A Pierce - Schro, J38A Wedel Dairy, I38A Scanlan Farm, EYMN Ely, EYMN comp=Z,1um,21.0s, H38A Maiden Rock, K38A Parkersburg, X39A Fountain Ranch, L38A Oak Wood Farm, HHAR Hobbs, N38A Joes South For, M38A Pleasantville, Q38A Cooks Store, P38A Dawn, O38A Galt, NATX Nacogdoches, S38A Stockton, SCIA State Center, SCIA comp=Z,900nm,21.0s, R38A Fenwick Farm, E37A Wrenshall, C37A Embarrass, H37A Dierke Farm, SPMN Marine on St., SPMN Marine on St., D37A Cotton, T38A Diamond, I37A Lemond, Waseca, K37A Belmont, L37A Phoenix Point, J37A Redenius Farm, O37A Wolven Farm, C36A Pine Crest Far, M37A Trindle Farm, Q37A Longview Farm, P37A Lathrop, N37A Lee Faris, Mou, E36A McGregor, D36A Goodland, F36A Milaca, G36A St. Michael, HKT Hockley, HKT Hockley, HKT Hockley, I36A Fitzsimmons Fa, H36A Jessenland, He, MAW Mawson, MAW Mawson, K36A Gilmore City, J36A Seneca 1, Swea, L36A Harm Buss Farm, N36A Muff Farm, B35A Bob, Littlefor, D35A Remer, C35A Jirik Farms, M, TUL1 Leonard, TUL1 Leonard, G35A Watkins, E35A Pequot Lakes, F35A Swanville, KBL Kabul, KBL Kabul, KBL Kabul, H35A Sunnyside Ranc, I35A Creekvew Farm, K35A Storm Lake, J35A Milford, B34A Aery, Baudette, C34A RKJ Ranch, Bem, F34A Alexandria, E34A Wadena, D34A Park Rapids, G34A Benson, J34A George.

2012 MAY

Table with columns: ID, Name, Azimuth, Elevation, P, S, 1502, 27.4, -0.5. Rows include I34A Hadley, H34A Spellman Lake, K34A Kansas State U, K34A Kansas State U, WHTX Lake Whitney, WHTX Lake Whitney, 435B Jarrell, A33A Warroad, B33A Robert and Kas, D33A AnnSam, Waubun, C33A Trail, E33A Westby DABS, F33A 5 Mile Ranch, ECSD EROS Data Cent, ECSD, G33A Ortonville, I33A Coleman, K33A Hamngton, ULM Lac du Bonnet, ULM Lac du Bonnet, H33A Pohn Over Nor, J33A Davis, FCC Fort Churchill, FCC Fort Churchill, FCC Fort Churchill, FCC Fort Churchill, C32A Crookston, B32A Ashes, Strandq, UNM Universidad Na, F32A Yeblen, E32A Braaten, Kindr, I32A Kay and Nic, H32A Carlson Farm, KK31 Karatay Array, KK31 Karatay Array, KK31 Karatay Array, KK31 Karatay Array, KKAR Karatay Array, KKAR Karatay Array, G32A Webster, J32A Parkston, A31A Linda, St. Vin, BGNE Belgrade, BGNE Belgrade, WMOK Wichita Mounta, WMOK Wichita Mounta, WMOK Wichita Mounta, LNIG Linares, D31A McClellan, Tow, 833A Chaparral WMA, B31A Grebush Farm, C31A Landman Farms, E31A Nome, G31A Conde, F31A Hecla, H31A Wolsey, I31A Royce, Wessing, BRVK Borovoye, BRVK Borovoye, BRVK Borovoye, BRVK Borovoye, BRVK Borovoye, BVAO Borovoye Array, BVAO Borovoye Array, BVAR Borovoye Array, J31A Geddes, ABTX Abilene, Hawle, ABTX Abilene, Hawle, ABTX Abilene, Hawle, JCT Junction City, JCT Junction City, JCT Junction City, JCT Junction City, JRQG Juriquilla Cam, CBKS Cedar Bluff, CBKS Cedar Bluff, MNAS Manas, POO Poona, NIL Nilore, NIL Nilore.

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Table with columns: ID, Name, Azimuth, Elevation, P, S, 1502, 27.4, -0.5. Rows include NIL, OTUK Ortaqu, OTUK Ortaqu, MDND Maddock, MDND Maddock, SFK Sufi-Kurgan, RES Resolute Bay, RES Resolute Bay, RES Resolute Bay, AMTX Amarillo, AMTX Amarillo, QSPA South Pole Qui, QSPA South Pole Qui, QSPA South Pole Qui, AAK AAK, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, FRU Bishkek, FRU Bishkek, OGNE Ogallala, OGNE Ogallala, FFC Flin Flon, FFC Flin Flon, FFC Flin Flon, FFC Flin Flon, KSCO Kaye Shedlock, KSCO Kaye Shedlock, KSCO Kaye Shedlock, MSTX Muleshoe, MSTX Muleshoe, MSTX Kashi, KSH Kashi, KSH Kashi, KSH Kashi, KSH Kashi, KSH Kashi, TXAR Lajitas Array, TXAR Lajitas Array, TX31 Black Hills, RSSD Black Hills, RSSD Black Hills, RSSD Black Hills, DGMT Dagmar, DGMT Dagmar, GDL2 Guadalupe Moun, T25A Trinidad, T25A Trinidad, T25A Trinidad, Q24A Divide, Q24A Divide, MNTX Cornudas Mount, MNTX Cornudas Mount, PHWY Pilot Hill, PHWY Pilot Hill, KURBB Kurchatov Arra, KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, SDCO Great Sand Dun, SDCO Great Sand Dun, ISCO Idaho Springs, ISCO Idaho Springs, ISCO Idaho Springs, HYB Hyderabad, N23A Red Feather La, N23A Red Feather La, LAO LASA Array, LAO LASA Array, K22A Casper, K22A Casper, ANMO Albuquerque, ANMO Albuquerque, ANMO Albuquerque, EPT EI Paso, EPT EI Paso, BNM Barren Site.

S22A	4UR Ranch, Cre	93.19 308	P	P	15 03 06.5	-0.1
S22A	4UR Ranch, Cre	93.19 308	eP	P	15 03 06.0	-0.6
S22A	comp=Z,1.4nm,1.2s		LR	LR		
Y22D	IRIS PASSCAL I	93.34 304	PFAKE	LR	15 03 20.0	+13
Y22D	comp=Z,700nm,20.0s		LR	LR		
RWWY	Rawlins	93.39 312	eP	P	15 03 06.3	-1.1
RWWY	comp=Z,2.0nm,1.0s		LR	LR		
LAZ	Ladron	93.52 304	eP	P	15 03 05.8	-2.2
121A	Cookes Peak, D	94.10 302	P	P	15 03 11.5	+0.8
O20A	White River Ci	94.22 310	P	P	15 03 10.9	-0.3
O20A	White River Ci	94.22 310	PFAKE	LR	15 03 20.0	+8.9
O20A	comp=Z,800nm,20.0s		LR	LR		
PALK	Pallekele	94.34 83	PFAKE	LR	15 03 20.0	+8.0
PALK	comp=Z,500nm,22.0s		LR	LR		
MAKZ	Makanchi	94.51 43	PFAKE	LR	15 03 20.0	+7.9
MAKZ	comp=Z,500nm,19.0s		LR	LR		
MVCO	Mesa Verde	94.54 307	PFAKE	LR	15 03 20.0	+7.3
MVCO	comp=Z,400nm,22.0s		LR	LR		
RPN	Rapa Nui	94.70 243	LR	LR	15 41 20.8	
RPN	comp=Z,328nm,18.4s		LR	LR		
NVS	Novosibirsk	94.72 35	eP	P	15 03 05.2	-7.6
MK31	Makanchi Array	94.73 43	eP	P	15 03 12.5	-0.6
MK31	Makanchi Array	94.73 43	P	P	15 03 14.7	+1.6
MK31	comp=Z,4.0nm,1.0s		pmax	pmax		
MKAR	Makanchi Array	94.73 43	P	P	15 03 13.1	0.0
MKAR	comp=Z,2.8nm,0.8s		SNR=12	LR	15 50 49.7	
MKAR	comp=Z,3.55nm,19.1s		baz=274,slow=39	LR	15 03 11.9	-1.2
MKAR	Makanchi Array	94.73 43	eP	P	15 03 11.9	-1.2
MKAR	comp=Z,1.7nm,0.5s		pmax	pmax		
MKAR	Makanchi Array	94.73 43	eP	P	15 03 12.6	-0.5
MKAR	Red Lodge	94.74 315	PFAKE	LR	15 03 20.0	+6.6
MKAR	comp=Z,600nm,21.0s		LR	LR		
EGMT	Eagleton	94.89 318	PFAKE	LR	15 03 20.0	+6.1
EGMT	comp=Z,1.1um,22.0s		LR	LR		
PD31	Pinedale Array	95.08 313	eP	P	15 03 18.9	+3.8
PDAR	Pinedale Array	95.08 313	P	P	15 03 15.8	+0.8
PDAR	comp=Z,0.6nm,0.7s		baz=90,slow=4.5,SNR=5.5	LR	15 41 19.3	
PDAR	Pinedale Array	95.08 313	eP	P	15 03 12.7	-2.4
PDAR	Boulder Array	95.08 313	PFAKE	LR	15 03 30.0	+15
BW06	comp=Z,700nm,20.0s		LR	LR		
BW06	comp=Z,585nm,20.0s		baz=106,slow=30	LR		
W18A	Petrified Fore	95.63 305	PFAKE	LR	15 03 30.0	+12
W18A	comp=Z,400nm,20.0s		LR	LR		
H17A	Grant Village	95.72 314	PFAKE	LR	15 03 30.0	+12
H17A	comp=Z,900nm,19.0s		LR	LR		
ZAA0	Zalesovo Array	95.73 36	PFAKE	LR	15 03 30.0	+13
ZAA0	comp=Z,600nm,20.0s		LR	LR		
ZALV	Zalesovo Beam	95.73 36	P	P	15 03 17.1	-0.3
ZALV	comp=Z,0.3nm,0.3s		baz=266,slow=4.3,SNR=2.5	LR	15 51 06.2	
P18A	Preston Nutter	95.79 310	PFAKE	LR	15 03 30.0	+12
P18A	comp=Z,482nm,18.3s		baz=250,slow=38	LR		
X18A	Snowflake	95.83 304	PFAKE	LR	15 03 30.0	+11
X18A	comp=Z,800nm,21.0s		LR	LR		
MOOW	Moose Ponds	95.88 314	PFAKE	LR	15 03 30.0	+11
MOOW	comp=Z,500nm,19.0s		LR	LR		
YPP	Pitchstone Pla	95.89 314	PFAKE	LR	15 03 30.0	+11
YPP	comp=Z,900nm,22.0s		LR	LR		
YFT	Old Faithful	95.90 314	PFAKE	LR	15 03 30.0	+11
YFT	comp=Z,600nm,18.0s		LR	LR		
SNOW	Snow King Moun	95.91 313	PFAKE	LR	15 03 30.0	+11
SNOW	comp=Z,2.1um,18.0s		LR	LR		
YMR	Madison River	95.97 315	PFAKE	LR	15 03 30.0	+11
YMR	comp=Z,700nm,21.0s		LR	LR		
YK33	Yellowknife Ar	95.97 333	PFAKE	LR	15 03 30.0	+12
YK33	comp=Z,600nm,19.0s		LR	LR		
YKA	Yellowknife Ar	95.98 333	P	P	15 03 18.2	-0.2
YKA	comp=Z,400nm,19.0s		baz=84	LR		
YKA	comp=Z,0.9nm,0.9s		baz=77,slow=5.2,SNR=16	P	15 20 10.4	+0.7
REDF	Red Top Meadow	95.99 313	PFAKE	LR	15 03 30.0	+11
REDF	comp=Z,0.2nm,0.7s		baz=266,slow=2.4,SNR=5.2	LR		
IMW	Indian Meadow	96.01 314	PFAKE	LR	15 03 30.0	+11
IMW	comp=Z,700nm,18.0s		LR	LR		
SRU	San Rafael Swe	96.04 309	PFAKE	LR	15 03 30.0	+11
SRU	comp=Z,700nm,19.0s		LR	LR		
TPAW	Teton Pass	96.05 313	PFAKE	LR	15 03 30.0	+10
TPAW	comp=Z,500nm,19.0s		LR	LR		
YHB	Horse Butte	96.13 315	PFAKE	LR	15 03 30.0	+10
YHB	comp=Z,900nm,22.0s		LR	LR		
P17A	Butcher Ranch	96.18 309	PFAKE	LR	15 03 30.0	+10
P17A	comp=Z,300nm,20.0s		LR	LR		
AHID	Auburn Hatcher	96.22 313	PFAKE	LR	15 03 30.0	+10
AHID	comp=Z,700nm,20.0s		LR	LR		
BOZ	Bozeman (W)	96.36 316	eP	P	15 03 19.3	-1.4
BOZ	comp=Z,500nm,19.0s		LR	LR		
BOZ	comp=Z,4.7nm,0.6s		LR	LR		
BOZ	comp=Z,700nm,19.0s		LR	LR		
BOZ	comp=Z,5.0nm,0.6s		pmax	pmax		
BOZ	comp=Z,5.0nm,0.6s		MLR	MLR		
Q16A	Castle Valley	96.55 309	PFAKE	LR	15 03 30.0	+8.2
Q16A	comp=Z,700nm,19.0s		LR	LR		
TMUT	Trail Mountain	96.55 309	PFAKE	LR	15 03 30.0	+8.0
TMUT	comp=Z,500nm,20.0s		LR	LR		
LPIG	La Paz	96.57 294	LR	LR	15 46 09.0	
LPIG	comp=Z,500nm,20.0s		LR	LR		
JLU	Jordanelle	96.64 311	PFAKE	LR	15 03 30.0	+7.8
JLU	comp=Z,80nm,19.3s		baz=40,slow=35	LR		
TUC	Tucson	96.64 302	PFAKE	LR	15 03 30.0	+7.8
TUC	comp=Z,1.1um,21.0s		LR	LR		
HWUT	Hardwar Ranch	96.65 312	eP	P	15 03 20.9	-1.3
HWUT	comp=Z,500nm,21.0s		LR	LR		
HWUT	comp=Z,5.4nm,1.0s		LR	LR		
EDM	Edmonton	96.66 323	PFAKE	LR	15 03 30.0	+8.2
EDM	comp=Z,800nm,20.0s		LR	LR		
MPU	Maple Canyon	96.83 310	PFAKE	LR	15 03 30.0	+7.0
MPU	comp=Z,900nm,22.0s		LR	LR		
CTU	Camp Tracy	96.86 311	PFAKE	LR	15 03 30.0	+6.8
CTU	comp=Z,800nm,20.0s		LR	LR		
WUAZ	Wupatki	96.94 305	PFAKE	LR	15 03 30.0	+6.4
WUAZ	comp=Z,1.1um,22.0s		LR	LR		
X16A	Lo Mia Camp, P	97.07 304	PFAKE	LR	15 03 30.0	+5.7
X16A	comp=Z,400nm,22.0s		LR	LR		
X16A	comp=Z,500nm,21.0s		LR	LR		

NLU	North Lily Min	97.17 310	PFAKE	LR	15 03 40.0	+15
NLU	comp=Z,1.1um,20.0s		LR	LR		
SPUT	South Promonto	97.34 311	PFAKE	LR	15 03 40.0	+15
SPUT	comp=Z,800nm,21.0s		LR	LR		
MTPU	Mount Pierson	97.41 308	eP	P	15 03 25.3	-0.6
MTPU	comp=Z,8.8nm,1.3s		LR	LR		
MTPU	comp=Z,500nm,18.0s		LR	LR		
WALA	Waterton Lakes	97.54 319	PFAKE	LR	15 03 40.0	+14
WALA	comp=Z,900nm,19.0s		LR	LR		
HVU	Hansel Valley	97.54 312	PFAKE	LR	15 03 40.0	+14
HVU	comp=Z,600nm,20.0s		LR	LR		
TCRU	Three Creeks R	97.57 309	PFAKE	LR	15 03 40.0	+13
TCRU	comp=Z,600nm,18.0s		LR	LR		
DUG	Dugway, Tocoel	97.72 310	PFAKE	LR	15 03 40.0	+13
DUG	comp=Z,900nm,20.0s		LR	LR		
BGU	Big Grassy Mou	97.81 311	PFAKE	LR	15 03 40.0	+13
BGU	comp=Z,800nm,20.0s		LR	LR		
MSO	Missoula	97.83 317	PFAKE	LR	15 03 40.0	+13
MSO	comp=Z,1.1um,22.0s		LR	LR		
JTMT	Jette	97.95 318	PFAKE	LR	15 03 40.0	+12
JTMT	comp=Z,2.1um,21.0s		LR	LR		
KNB	Kanab	98.00 307	PFAKE	LR	15 03 40.0	+12
KNB	comp=Z,400nm,21.0s		LR	LR		
LCMT	Little Creek M	98.34 307	PFAKE	LR	15 03 40.0	+10
LCMT	comp=Z,400nm,21.0s		LR	LR		
CCUT	Cedar City	98.38 308	PFAKE	LR	15 03 40.0	+10
CCUT	comp=Z,400nm,20.0s		LR	LR		
HLID	Hailey	98.55 314	eP	P	15 03 29.3	-1.4
HLID	comp=Z,1.2nm,1.7s		LR	LR		
PSUT	Pine Spring	98.68 309	PFAKE	LR	15 03 40.0	+8.6
PSUT	comp=Z,800nm,21.0s		LR	LR		
WMQ	Urumqi	98.80 46	P	Pdif	15 03 31.7	0.0
WMQ	comp=Z,600nm,19.0s		LR	LR	15 07 38.6	+5.7
WMQ	comp=Z,1.1um,30.9s		LR	LR		
WMQ	comp=Z,1.1um,33.7s		LR	LR		
W13A	Hualapai Mount	99.02 305	PFAKE	LR	15 03 40.0	+6.9
W13A	comp=Z,980nm,30.9s		LR	LR		
MFID	Camas Ranch	99.59 314	PFAKE	LR	15 03 50.0	+15
MFID	comp=Z,400nm,20.0s		LR	LR		
Y12C	Blythe	99.67 304	PFAKE	LR	15 03 50.0	+14
Y12C	comp=Z,700nm,19.0s		LR	LR		
NEW	Newport	99.76 319	PFAKE	LR	15 03 50.0	+14
NEW	comp=Z,1.1um,19.0s		LR	LR		
SHPR	Sheep Range	99.92 307	PFAKE	LR	15 03 50.0	+13
SHPR	comp=Z,300nm,20.0s		LR	LR		
R11A	Troy Canyon, C	100.05 309	P	Pdif	15 03 38.7	+1.2
R11A	comp=Z,300nm,20.0s		LR	LR		
R11A	Troy Canyon, C	100.05 309	PFAKE	LR	15 03 50.0	+13
R11A	comp=Z,600nm,19.0s		LR	LR		
IRM	Iron Mountain	100.15 304	P	Pdif	15 03 39.2	+1.4
IRM	comp=Z,600nm,19.0s		LR	LR		
F10A	Beach Ranch, E	100.20 316	PFAKE	LR	15 03 50.0	+12
F10A	comp=Z,600nm,21.0s		LR	LR		
BMO	Blue Mountains	100.43 315	PFAKE	LR	15 03 50.0	+11
BMO	comp=Z,700nm,19.0s		LR	LR		
C09A	Chrisman Ranch	100.60 318	PFAKE	LR	15 03 50.0	+10
C09A	comp=Z,1.1um,21.0s		LR	LR		
TPNV	Topopah Spring	100.74 307	PFAKE	LR	15 03 50.0	+9.4
TPNV	comp=Z,500nm,22.0s		LR	LR		
E09A	Wood Farm, Sta	100.74 317	PFAKE	LR	15 03 50.0	+10
E09A	comp=Z,1.1um,21.0s		LR	LR		
BELC	Belle Mtn. Jos	100.87 304	P	Pdif	15 03 41.1	-0.1
BELC	comp=Z,1.1um,21.0s		LR	LR		
BMN	Battle Moutai	101.03 311	PFAKE	LR	15 03 50.0	+8.2
BMN	comp=Z,900nm,20.0s		LR	LR		
D08A	Wollman Farm,	101.17 318	PFAKE	LR	15 03 50.0	+8.0
D08A	comp=Z,1.1um,20.0s		LR	LR		
B08A	Colville Reser	101.19 319	PFAKE	LR	15 03 50.0	+7.8
B08A	comp=Z,900nm,20.0s		LR	LR		
FURC	Furnace Creek,	101.28 307	P	Pdif	15 03 43.9	+1.1
FURC	comp=Z,900nm,20.0s		LR	LR		
E08A	Dider Farm, EI	101.36 317	PFAKE	LR	15 03 50.0	+7.1
E08A	comp=Z,1.1um,21.0s		LR	LR		
J08A	Circle Bar Ran	101.51 314	PFAKE	LR	15 03 50.0	+6.2
J08A	comp=Z,700nm,21.0s		LR	LR		
G08A	Pilot Rock	101.52 316	PFAKE	LR	15 03 50.0	+6.2
G08A	comp=Z,500nm,18.0s		LR	LR		
V08A	Vanda	101.54 179	P	Pdif	15 03 42.3	-0.8
V08A	comp=Z,0.5nm,0.9s		baz=180,slow=4.0,SNR=2.1	LR		
INK	Inuvik	101.63 341	P	Pdif	15 03 42.2	-1.3
INK	comp=Z,0.7nm,1.0s		baz=14,slow=10,SNR=2.0	LR		





Table with columns: KZN, Kozani, 1.36 35 P, Pb, 15 14 23.9 -0.4, RLS, Riolos of Patr, 0.52 46 P, Pg, 15 20 37.3 -0.3, JTS, JuntasAbangare, 5.97 117 P, Pn, 15 26 46.1 -1.3

Table with columns: RLS, Riolos of Patr, 0.52 46 P, Pg, 15 20 37.3 -0.3, JTS, JuntasAbangare, 5.97 117 P, Pn, 15 26 46.1 -1.3

Table with columns: JTS, JuntasAbangare, 5.97 117 P, Pn, 15 26 46.1 -1.3, SDV, Santo Domingo, 19.81 100 P, P, 15 29 47.9 -1.9

JMA 09 15:20:05.9,35'00N-135'58E,h9km,M3.4,3C-6D Broadband flat plane solution: P waves. NP1: ... Principal axes: ...

ISC/JB 09 15:25:22.1±0.7, 13°15N,0°06-90W,0°04,h24km, mb3.9/5, Error ellipse: s-maj=8.6km s-min=5.1km az=22.4

ASAR Alice Springs 26.50 222 eP P 15 43 29.3 -0.4

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

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

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

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

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

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

9d 16h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HHC, HHC, HHC, MA2, GTA, etc.

GUC 09 15:43:04.1±0.6, 24.025S-67.79W, h230km±11km, ML3.6, 6C, Chile-Argentina border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PB15, PB15, G002, etc.

NEIC 09 15:45:55.0±0.3, 35.30N-92.05W, h0km, MN2.5(CERI), After CERI.

NEIC Felt at Rosebud and Little Rock. ISC 09 15:45:55.3±0.9, 35.30N±0.02, 92.05W±0.02, h9km±8km, n53, c085/75, Arkansas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WHAR, W41B, W41B, etc.

2012 MAY

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like V43A, W39A, W39A, etc.

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ISCJ 09 15:47:30.2±0.6, 14.20N-92.93W, h15km±95km, MD3.9, Near coast of Chiapas

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

MAN 09 15:58:00.7±6.2, 20N-127.37E, h9km, mb4.8, ML3.7, MS3.7

ISCJ 09 15:58:01.6±0.8, 6.22N±0.04, 127.52E±0.07, h52km±7km, mb4.2/35, Error ellipse: s-maj=12.9km s-min=5.3km

IDC 09 15:58:03.8±2.3, 6.20N-127.44E, h56km±20km, mb4.0/29, mb1.4/31, mb1mx3.9/62, mbtmp4.3/31, ML4.0/2, Error ellipse: s-maj=20.7km s-min=9.0km az=74.0

NEIC 09 15:58:04.7±0.8, 6.21N-127.47E, h66km±7km, mb4.3/6, Error ellipse: s-maj=10.9km s-min=5.1km az=72.0

ISC 09 15:58:03.7±1.2, 6.22N±0.06, 127.51E±0.09, h56km±11km, n56, c1926/66, mb4.2/35, 20-11, Philippine Islands region

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

ISCJ 09 16:08:49.0±0.3, 36.46N±0.02, 71.10E±0.03, h246km±3km, mb4.0/44, Error ellipse: s-maj=4.2km s-min=3.4km az=9.2

BUI 09 16:08:49.7±3.6, 49N-71.10E, h242km, mb4.2/23, mb4.5/14, MOS 09 16:08:49.6±1.0, 36.49N-71.15E, h249km, mb4.2/28, Error ellipse: s-maj=8.2km s-min=5.1km az=94.4

NEIC 09 16:08:50.2±0.5, 36.48N-71.12E, h243km±7km, mb4.3/17, Error ellipse: s-maj=8.4km s-min=6.6km az=130.0

IDC 09 16:08:50.6±0.7, 36.39N-71.05E, h250km±6km, mb3.7/26, mb1.9/3/4, mb1mx3.9/70, mbtmp4.3/34, Error ellipse: s-maj=9.9km s-min=7.9km az=29.0

NNC 09 16:08:53.8±1.3, 36.80N-71.10E, h234km±12km, mb3.2, mpv4.2, Error ellipse: s-maj=13.7km s-min=11.0km az=63.0

ISC 09 16:08:50.1±0.5, 36.48N±0.04, 71.09E±0.04, h243km±5km, h243km±p-P, n163, c1923/189, mb4.1/44, 18C-8D, Afghanistan-Tajikistan border region

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

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical parameters. Includes stations like KBL, CEP, CHCP, NIP, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical parameters. Includes stations like WSAR, UOSS, UOSS, UOSS, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical parameters. Includes stations like TIXI, TIXI, TIXI, SPITS, etc.

KRSC 09 16:24:47.51, 0.5573N x 164.09E, h66km, 23km, ML3.6,

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

IDC 09 16:26:44.0, 14.0, 15.90S: 176.84W, h37km, 156km, mb3.1/7, mb1.3/47, mb1.3mx3.1/51, mbtmsp3.8/7, Error s-maj=50.6km s-min=33.6km az=150.0, Fiji Islands region

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

IDC 09 16:51:17.32:2.6, 18.90S: 172.15E, h0km, mb3.7/3, mb1.4/0.3, mb1mx3.5/49, mbtmsp3.7/3, Error ellipse: s-maj=274.6km s-min=37.4km az=162.0, Vanuatu Islands region

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







9d 18h

Table with columns: ASAR, Alice Springs, 42.11 271 P, P, 17 59 32.6 -2.1, etc. Includes stations like Alice Springs, Tennant Creek, Warramunga Arr, etc.

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

Table with columns: KUR, KUR, comp=N, 949nm, 0.2s, eS, smax, Sn, smax, 17 54 07.6 +0.5, etc. Includes stations like Golovnino, Rausu, Nakash, etc.

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

Table with columns: MKAR, Makanchi Array, 44.76 298 eP, P, 18 01 38.4 +2.1, etc. Includes stations like Kurchatov, Borovoye Array, etc.

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

2012 MAY

NIED 09 17:53:00, 43:70N, 147:30E, h47km, Mw4.1 Best double couple: Mb1.79000x10^19, Np1.9x55.00000, 859.00000, 1.161000000, Np2.9x156.00000, 874.00000, 1.33.00000, MOS 09 17:53:25.4, 1.0, 43.80N, 147:58E, h46km, mb4.5/19, Error ellipse: s-maj=7.4km s-min=6.4km az=85.0 JMA 09 17:53:26.2, 0.3, 43.68N, 147:34E, h17km, Mw4.7, ISCJB 09 17:53:26.3, 0.6, 43.88N, 147:46E, 0.05, h49km, 5km, mb4.1/37, MS3.3/1, Error ellipse: s-maj=8.7km s-min=4.4km az=140.6 SKHL 09 17:53:27.3, 0.2, 43.84N, 147:46E, h62km, 4km, mb4.7/23, IDC 09 17:53:28.8, 2.2, 43.94N, 147:39E, h58km, 19km, mb3.7/23, mb1.3, 9/29, mb1mx3.8, 7/3, mbtmp4.0/29, ML4.1, 6, MS2.9/6, Ms1.2/9, ms1mx2.6/6, Error ellipse: s-maj=17.8km s-min=12.1km az=157.0 NEIC 09 17:53:28.6, 0.7, 43.98N, 147:44E, h58km, 6km, mb4.4/9, Error ellipse: s-maj=9.7km s-min=5.1km az=145.0 ISC 09 17:53:25.6, 1.7, 43.84N, 147:49E, 0.05, h30km, 11km, n158, c1550/164, mb4.2/37, 20C-22D, Kuril Islands





Table with columns: WHO, Vista Hermosa, 2.05 63 eP, Pn, 19 03 21.1 -2.4, etc.

ISCJB 09 19:09:25.5-0.9, 61.0S-02-25.4W, 0.4, h10km, mb3.8/4, Error ellipse: s-maj=36.5km s-min=9.5km az=146.1, IDC 09 19:09:27.7-1.5, 60.65S-25.47W, h0km, mb3.9/4, mb1.4/1.5, mb1mx3.8/28, mbtmp4.0/5, ML4.3/1, Error ellipse: s-maj=48.7km s-min=25.2km az=180.0

ISC 09 19:09:28.1-0.9, 61.0S-02-25.5W-0.2, h10km, n16, c355/14, mb3.9/4, South Sandwich Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes stations like Neumayer-Stat, Neumayer-Olymp, Neumayer-Watz, etc.

IDC 09 19:27:00.7-1.9, 57.62S-145.77E, h0km, mb3.8/4, mb1.4/0.4, mb1mx3.8/38, mbtmp3.9/4, MS3.6/10, MS1 3.6/10, ms1mx3.3/32, Error ellipse: s-maj=163.0km s-min=24.8km az=81.0, West of Macquarie Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes stations like Vanda, Stephens Creek, Urewera, etc.

ISCJB 09 19:35:45.3-0.5, 5.39S-006-147.16E-0.09, h195km, mb3.8/15, Error ellipse: s-maj=12.0km s-min=8.0km az=10.2

IDC 09 19:35:47.9-1.6, 5.50S-147.14E, h208km, 15km, mb3.7/15, mb1.3/2.0, mb1mx3.7/48, mbtmp4.3/20, Error ellipse: s-maj=17.4km s-min=9.3km az=97.0

ISC 09 19:35:46.2-0.5, 5.55S-006-147.2E-0.1, h195km, n25, c1510/29, mb4.0/15, Eastern New Guinea region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes stations like Port Moresby, Honiara, Charters Tower, etc.

Table with columns: PLCA, Paso Flores, 122.39 147 PKP, PKPdf, 19 54 19.4 +0.7, etc.

NEIC 09 19:36:03.7-0.0, 42.32S-174.07E, h13km, ML4.3(WEL), After WEL, Off east coast of South Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes stations like Kahutara, Cape Campbell, Blackblotch Bay, etc.

ISCJB 09 19:43:22.1-0.5, 39.22N-02-20.76E-0.03, h12km, 4km, az=16.2, Error ellipse: s-maj=4km s-min=3.4km az=16.2

CSEM 09 19:43:22.1-0.1, 39.22N-20.78E, h2km, ML2.1, Error ellipse: s-maj=2.8km s-min=2.1km az=75.0

THE 09 19:43:22.2, 39.21N-20.76E, h1km, 2km, ML2.3/2, Error ellipse: s-maj=2.8km s-min=0.7km az=42.0

ATH 09 19:43:22.1, 39.22N-20.78E, h12km, 5km, ML2.1/11, Error ellipse: s-maj=5.5km s-min=0.7km az=235.0

ISC 09 19:43:22.0-0.9, 39.22N-02-20.78E-0.02, h15km, 8km, n52, c069/79, Greece-Albania border region

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

Table with columns: SGD, Sagiada, 0.58 314 P, Pg, 19 43 33.2 -0.2, etc. Includes stations like Sagiada, Prodomos, Fiskardo, etc.

IDC 09 19:51:05.7-1.3, 34.13N-25.29E, h0km, mb3.6/3, mb1.3/7/10, mb1mx3.5/60, mbtmp3.5/10, ML3.7/6, Error ellipse: s-maj=22.0km s-min=20.9km az=20.0

ISCJB 09 19:51:09.4-0.7, 34.15N-05-25.32E-0.04, h57km, 9km, mb3.4/3, Error ellipse: s-maj=8.9km s-min=5.3km az=2.4

CSEM 09 19:51:09.6-0.5, 34.17N-25.20E, h20km, ML3.1, Error ellipse: s-maj=10.5km s-min=5.1km az=1.0

THE 09 19:51:09.6, 34.21N-25.20E, h0km, 2km, ML3.3/3, Error ellipse: s-maj=5.2km s-min=1.3km az=179.0

ATH 09 19:51:11.4, 34.32N-25.12E, h43km, 3km, ML3.1/10, Error ellipse: s-maj=4.2km s-min=1.7km az=182.0

ISC 09 19:51:10.6-1.1, 34.13N-05-25.24E-0.04, h37km, 2km, n98, c1547/121, mb3.6/3, Crete

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

9d 20h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KARP Karpathos, ANAF Anaf Island, IOSP Ios Island, etc.

2012 MAY

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HKZM ASAO, IRPIR Pirpir, ZNGN Zangian, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, LSA Lhasa, JIRN Jiri, etc.

IDC 09 20:22.14.3.3.6.25.20S:176.72W, h0km, mb4.0/3, m1.4/2.3, mb1mx3.742, mbtm4.0/3, Error ellipse: s-maj=221.5km s-min=39.1km az=161.0, South of Fiji Islands

ISCJB 09 20:37.29.9.1.7.4.8N:0.2.87.9E:0.2, h10km, mb3.8/5, MS3.3/7, Error ellipse: s-maj=38.7km s-min=23.6km az=151.3

ISC 09 20:37.32.0.2.3.4.8N:0.2.88.0E:0.4, h10km, n14, +05:38/6, mb3.9/5, MS3.2/7, North Indian Ocean

TAP 09 20:40.01.2.4.288N:122.00E, h11km, ML2.7, C JMA 09 20:40.02.0.0.2.24.90N:121.96E, h36km, M2.2

ISC 09 20:40.01.5.0.9.2.489N:102.02E:0.02, h11km, 5km, n61, +05:57/6, Taiwan region

ISC 09 19:51:11.1.1.4.32.67N:46.86E, h7km, 6km, ML3.0 CSEM 09 19:51:13.0.2.32.50N:46.86E, h10km, ML3.0, Error ellipse: s-maj=7.4km s-min=5.4km az=3.0

TEH 09 19:51:14.7.32.56N:46.80E, h10km, ML3.0, Iran-Iraq border region



Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like TWY Chenhua, NTST Danshui, YHNB Yeheng, etc.

ISC 09 20:41:26.2±1.3, 3.40S:127.32E, h0km, mb3.9/3, mb1 4.3/5, mb1mx3.7/5.4, mbtmp4.0/5, ML4.1/2, Error ellipse: s-maj=33.1km s-min=23.6km az=69.0, Seram

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like PNIG Pinotepa, VHO Vista Hermosa, etc.

CSEM 09 20:57:23.9±0.2, 38.95N:43.64E, h10km, ML3.0, Error ellipse: s-maj=5.3km s-min=3.4km az=111.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like M4W.2, VMMUR Van-Muradiye, etc.

MAN 09 21:06:51.9, 8.85N:124.33E, h1km, mb4.7, ML3.6, MS3.5, 4C, Mindanao

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like CGP Cagayan de Oro, BUKP Musuan, etc.

ISC 09 21:07:10.3±1.1, 0.76N:121.35E, h0km, mb3.7/5, mb1 3.8/5, mb1mx3.4/6.3, mbtmp3.7/5, MS2.8/1, Ms1 2.8/1, s-min=18.75km az=61.0, Minahasa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like DAV Davao City (W), ASAR Alice Springs, etc.

ISC 09 21:12:20.8±1.4, 32.59N:47.04E, h7km, 9km, ML2.7, TEH 09 21:12:21.7, 32.58N:47.06E, h4km, ML2.7, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like IKFM Katar-mosalman, IKOM Komasi, etc.

ISC 09 21:13:51.3±0.7, 4.7N:101.127.6E, h104km, mb4.0/13, Error ellipse: s-maj=35.0km s-min=13.9km az=165.9

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

ISC 09 21:16:26.0±0.9, 11.57N:145.23E, h0km, mb4.1/16, mb1 4.2/17, mb1mx3.9/6.0, mbtmp4.1/17, ML4.1/1, Error ellipse: s-maj=25.2km s-min=22.2km az=72.0

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

ISC 09 21:16:31.0±0.7, 11.57N:145.23E, h0km, mb4.1/16, mb1 4.2/17, mb1mx3.9/6.0, mbtmp4.1/17, ML4.1/1, Error ellipse: s-maj=25.2km s-min=22.2km az=72.0

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



NEIC 09 21:18:30.7, 0.4, 6.23N, 127.60E, h35km, mb4.1/2, Error ellipse: s-maj=18.4km, s-min=8.6km az=70.0

ISC 09 21:18:31.4, 0.7, 6.18N, 127.41E, h38km, 5km, mb4.0/1.7, mb1.4/1.8, mb1mx3.9/5.5, mbmp4.2/1.8, ML3.9/1, MS2.9/3, Ms1.3/0.3, ms1mx2.4/5.3, Error ellipse: s-maj=31.7km, s-min=11.3km az=76.0

ISC 09 21:18:29.8, 0.7, 6.11N, 127.41E, 0.09, h30km, 4km, h21km, p-P, n29, 0.181/37, mb4.2/1.9, 1C, Philippines

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations like DAVO, DAVO CITY, DAVO CITY-MI, etc.

JMA 09 21:24:16.8, 36.91N, 140.75E, h26km, 1km, M2.8, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations like ONAJ, HITACHI, etc.

ISC 09 21:35:55.9, 1.6, 45.98N, 107.07W, h0km, mb1.3/3.3, mb1mx3.0/6.4, mbmp3.0/3.2, ML2.9/2, Error ellipse: s-maj=48.4km, s-min=10.0km az=129.0

NEIC 09 21:35:56.1, 2.5, 45.85N, 106.70W, h0km, MN2.6, Error ellipse: s-maj=36.4km, s-min=9.5km az=135.0, Suspected Mining explosion.

NEIC 8 km [5 miles] SW of Colstrip. ISCJB 09 21:35:57.1, 0.7, 45.96N, 106.81W, 0.07, h0km, Error ellipse: s-maj=7.0km, s-min=5.9km az=110.0

ISC 09 21:35:56.7, 0.7, 45.92N, 106.88W, 0.03, h0km, n20, c205/37, Montana

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations like LAO, RLMT, GCMT, etc.

ULM Lg 21 40 24.5 comp=Z, 25nm, 19.5s, baz=96, slow=34

YKA Yellowknife Arr 17.19 348 P Pn 21 39 55.8 -2.1 baz=152, slow=12, SNR=3.4

NIED 09 21:49:00.36, 80N, 140.60E, h5km, Mw3.6 Best double couple: M2 94000, 1014 NP1, 337.00000, 823.00000, lambda=120.00000, NP2, 189.00000, 870.00000, lambda=78.00000

ISC 09 21:49:20.7, 1.5, 36.77N, 140.66E, h0km, mb3.6/6, mb1.3/8.6, mb1mx3.4/6.7, mbmp3.6/6, MS2.5/1, Ms1.2/5.1, ms1mx2.0/5.9, Error ellipse: s-maj=33.2km, s-min=25.2km az=69.0

ISCJB 09 21:49:21.6, 0.7, 36.83N, 140.68E, 0.06, h15km, 6km, mb3.6/6, Error ellipse: s-maj=8.4km, s-min=5.0km az=24.3

JMA 09 21:49:22.3, 0.6, 86N, 140.57E, h6km, 1km, M3.5 Broadband fault plane solution: P waves: NP1: 320.00000, 886.00000, lambda=80.00000, NP2: 312.00000, 810.00000, lambda=157.00000, Principal axes: T P1g40.00000, Azm281.00000, N P1g10.00000, Azm19.00000, P P1g48.00000, Azm120.00000

JMA Felt J1. ISC 09 21:49:21.6, 1.2, 36.86N, 140.61E, 0.05, h4km, 9km, n22, c088/22, mb3.7/6, 6C-1D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations like JHO, ONAJ, JAG, etc.

NIED 09 22:02:00.36, 80N, 140.60E, h5km, Mw3.9 Best double couple: M9 13000, 1014 NP1, 356.00000, 824.00000, lambda=115.00000, NP2, 203.00000, 868.00000, lambda=79.00000

ISC 09 22:02:41.8, 0.6, 0.5, 36.74N, 140.56E, h0km, mb3.9/2.0, mb1.4/1.24, mb1mx3.9/7.1, mbmp3.9/2.4, ML3.9/4, MS3.1/4, Ms1.3/1.4, ms1mx2.7/5.6, Error ellipse: s-maj=14.7km, s-min=12.6km az=118.0

ISCJB 09 22:02:42.6, 0.5, 36.83N, 140.67E, 0.04, h16km, 4km, mb3.9/23, MS3.1/3, Error ellipse: s-maj=6.1km, s-min=3.7km az=27.5

JMA 09 22:02:43.2, 36.86N, 140.56E, h6km, 1km, M4.0 Broadband fault plane solution: P waves: NP1: 320.00000, 872.00000, lambda=83.00000, NP2: 357.00000, 819.00000, lambda=112.00000, Principal axes: T P1g27.00000, Azm284.00000, N P1g7.00000, Azm18.00000, P P1g62.00000, Azm121.00000

JMA Felt J1. NEIC 09 22:02:46.7, 0.4, 36.71N, 140.58E, h35km, mb4.3/4, Error ellipse: s-maj=9.8km, s-min=7.9km az=110.0

NEIC Recorded [2 JMA] in Fukushima and Ibaraki. ISC 09 22:02:42.8, 1.0, 36.81N, 140.63E, 0.04, h8km, 6km, n55, c193/57, mb3.9/23, MS2.8/3, 5C, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations like JHO, ONAJ, JAG, etc.

ISC 09 22:14:39.3, 0.4, 3.72N, 92.76E, h0km, mb4.0/1.0, mb1.4/1.13, mb1mx3.6/5.6, mbmp4.0/1.13, ML4.0/3, MS3.2/2, Ms1.3/2.2, ms1mx2.6/6.2, Error ellipse: s-maj=36.6km, s-min=20.9km az=35.0

ISCJB 09 22:14:39.3, 0.5, 3.80N, 92.95E, 0.05, h19km, mb4.2/22, MS3.0/1, Error ellipse: s-maj=10.0km, s-min=4.7km az=40.2

NEIC 09 22:14:39.3, 0.4, 3.78N, 92.81E, h10km, mb4.5/8, Error ellipse: s-maj=7.7km, s-min=5.1km az=210.0

DJA 09 22:14:49.9, 1.0, 4.1N, 3.94E, 1.3, h17km, 19km, M4.3/12, mb4.9/1, mb4.3/7, ML4.2/12, Mw(mb)4.2/1

ISC 22:14:41.0, 0.6, 3.85N, 92.06E, 93.04E, 0.06, h19km, n64, c28/126, mb4.3/22, 1C, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations like JHO, ONAJ, JAG, etc.

comp=Z, 25nm, 19.5s, baz=96, slow=34

H1N2 WAKE ISLAND Hy 28.58 119 T T 22 38 28.6 baz=312, slow=75, SNR=390

H1N1 WAKE ISLAND Hy 28.59 119 T T 22 38 29.1 baz=312, slow=75, SNR=455

H1N3 WAKE ISLAND Hy 28.60 119 T T 22 38 29.9 baz=312, slow=75, SNR=328

H1S1 WAKE ISLAND Hy 28.92 121 T T 22 39 19.4 baz=314, slow=75, SNR=1148

H1S3 WAKE ISLAND Hy 29.28 122 T T 22 39 18.7 baz=314, slow=75, SNR=898

H1S2 WAKE ISLAND Hy 29.29 121 T T 22 39 20.2 baz=314, slow=75, SNR=806

CMAR Chiang Mai Arr 40.83 255 LR LR 22 29 43.4 comp=Z, 12nm, 18.0s, baz=195, slow=40

ZALV Zalesovo Beam 41.60 313 P P 22 10 30.3 -0.7 0.9nm, 0.6s, baz=45, slow=4, SNR=4.8

MKAR Makanchi Array 47.30 322 P P 22 10 47.5 -0.8 0.4nm, 0.7s, baz=88, slow=10, SNR=3.1

KURK Kurchatov 45.57 308 eP P 22 11 02.7 -0.3

KURBB Kurchatov Arr 45.64 308 P P 22 11 03.3 -0.4

ILAR Eielson Array 50.02 32 P P 22 11 37.0 -0.4 1.2nm, 0.6s, baz=82, slow=7.9, SNR=9.2

BVAR Borovoye Array 50.25 312 P P 22 11 39.1 -0.2 1.2nm, 0.9s, baz=81, slow=8.9, SNR=6.9

INK Inuvik 54.87 27 P P 22 12 14.3 +0.2 1.7nm, 0.8s, baz=275, slow=3.8, SNR=4.9

INK Inuvik 54.87 27 P P 22 12 14.2 +1.0

ARU ARU 56.11 318 eP P 22 12 23.0 +0.7 6.5nm, 1.3s

WRAB Wrangell Creek 56.75 187 eP P 22 12 27.0 -0.2 2.3nm, 0.7s

WRA Warramunga Arr 56.76 187 P P 22 12 27.1 -0.2 2.7km, 0.6s, baz=2.2, slow=7.4, SNR=37

ABKAR Alakul array 57.60 310 eP P 22 12 33.2 +0.2 2.2nm, 0.8s

ASAR Alice Springs 60.49 187 P P 22 12 51.0 -2.2 1.3nm, 0.8s, baz=4.2, slow=6.6, SNR=11

GEYT Alibek 63.39 299 P P 22 13 13.7 +0.9 0.5nm, 0.5s, baz=107, slow=4.3, SNR=3.7

ARCES ARCES Array B 63.98 333 P P 22 13 16.9 +0.7 1.5nm, 0.9s, baz=62, slow=10, SNR=4.3

YKA Yellowknife Arr 64.31 30 P P 22 13 19.8 +1.4 1.0nm, 0.9s, baz=299, slow=6.6, SNR=3.3

FINES Finnesse Array B 68.71 322 P P 22 13 47.6 +1.1 1.1nm, 0.8s, baz=46, slow=5.3, SNR=3.2

AKASG Malin Array Be 74.08 322 P P 22 14 19.8 +0.6 0.3nm, 0.4s, baz=49, slow=5.3, SNR=3.9

NOA NORSTAR Array B 74.12 327 P P 22 14 19.3 -0.1 1.2nm, 0.9s, baz=38, slow=6.1, SNR=3.4

NVAR Nina Array Bea 75.52 33 P P 22 14 30.8 +2.1 1.6nm, 0.6s, baz=296, slow=5.4, SNR=15

R11A Troy Canyon, C 77.39 51 eP P 22 14 40.0 +1.3 3.1nm, 1.1s

PDAR Pinedale Array 78.27 45 P P 22 14 44.2 +0.7 0.6nm, 0.7s, baz=288, slow=1.4, SNR=5.3

CLL Collm 80.57 328 eP P 22 15 51.0 +1.3 0.8nm, 0.8s, baz=82, slow=7.9, SNR=9.2

GERES GRESS Array B 82.58 328 LR LR 22 16 39.7 +0.7 comp=Z, 26nm, 18.6s, baz=294, slow=3

TXAR Lajitas Array 90.75 52 P P 22 15 48.0 +1.2 0.8nm, 0.6s, baz=314, slow=3.8, SNR=4.7

LPZA La Paz 147.35 95 PKPbc PKPab 22 22 30.3 +0.2 1.8nm, 0.8s, baz=257, slow=3.5, SNR=8.5

ISCJB 09 22:13:36.1, 1.4, 1.43S, 101.0, 139.88E, 0.08, h33km, mb3.6/2, MS3.7/1, Error ellipse: s-maj=16.4km, s-min=7.9km az=34.2

DJA 09 22:13:36.0, 0.7, 2.5S, 14.0E, h10km, M4.4/5, mb4.1/1, ML4.4/6/5

ISC 09 22:13:42.8, 0.2, 3.34S, 139.92E, h0km, mb3.6/2, mb1.3/9.3, mb1mx3.4/6.7, mbmp3.7/3, ML3.7/1, MS3.4/2, Ms1.3/4.2, ms1mx2.6/4.0, Error ellipse: s-maj=150.9km, s-min=29.6km az=77.0

ISC 09 22:13:37.8, 2.0, 1.55S, 101.1, 139.92E, 0.09, h35km, n14, c1573/11, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations like GENI, WAMI, etc.

WRA Warramunga Arr 19.12 196 P P 22 17 56.9 -1.1 0.3nm, 0.3s, baz=19, slow=12, SNR=12

ASAR Alice Springs 22.79 194 P P 22 18 39.0 +1.4 1.4nm, 0.5s, baz=23, slow=10, SNR=13

STKA Stephens Creek 30.25 177 LR LR 22 33 00.8 comp=Z, 152nm, 18.9s, baz=206, slow=39

H1N1 WAKE ISLAND Hy 33.84 50 T T 22 56 53.8 baz=233, slow=75, SNR=12

H1N2 WAKE ISLAND Hy 33.85 50 T T 22 56 54.9 baz=233, slow=75, SNR=5

MKAR Makanchi Array 69.58 322 P P 22 24 58.2 +1.5 0.5nm, 0.6s, baz=104, slow=8.3, SNR=5.3

BSI Banda Aceh 2.78 54 P P 22 15 25.8 +1.3

BSI Meulaboh, Aceh 3.38 83 P P 22 15 54.5 -3.0

MLSI 22 16 33.5 +0.8

LHMI 22 16 09.9 -5.4

LHMI 22 15 49.3 +0.9

LHMI 22 16 26.9 -3.9

LHMI 22 15 46.8 +3.6

LHMI 22 15 44.8 +1.1

TFTI 22 16 29.9 -5.0

KCSI 22 15 51.2 -0.2

KCSI 22 16 04.6 -5.2

GSI 22 15 59.8 +2.2

GSI 22 15 55.1 -1.9

GSI 22 15 58.9 +1.3

GSI 22 16 07.4 +0.4

TSI 22 16 02.4 +0.2

TSI 22 16 59.4 -5.8

PSI 22 16 11.5 +3.1

MNSI 22 16 27.0 +1.7

KULM 22 16 35.2 +2.0

PBA 22 16 34.1 +1.2

SISI 22 16 38.4 +3.0

PPI 22 16 45.5 +2.3

PALK 22 17 37.8 -5.3

PALK 22 19 44.8 -1.8

PALK 22 21 37.5

PALK 22 17 37.4 -4.0

PALK 22 19 47.1 -1.6

CM01 22 18 20.4 +0.5

CM31 22 18 21.4 +1.1

CMAR 22 18 21.4 +1.1

CHTO 22 18 25.2 +0.7

SHL 22 19 30.6 +0.3













10d Oh

Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like LANS Liptovska Anna, Y12C Blythe, KSP Ksiaz, etc.

2012 MAY

Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like PRA Prague, D34A Park Rapids, PRU Pruhonice, etc.

554

Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like VTS Vitosh, G3A Watkins, ARSA Arzbej, etc.

E42A	Champion	83.16	32	P	P	00 40 43.4 +0.4
K36A	Gilmore City	83.21	38	eP	P	00 40 43.7 +0.4
TRI	Trieste	83.21	326	eP	P	00 40 43.4 +0.2
TRI	Trieste	83.21	326	eP	Pmax	00 40 43.4 +0.2
F41A	Three Lakes	83.21	33	P	P	00 40 43.9 +0.6
BFO	Black Forest	83.25	331	eP	P	00 40 44.4 +0.9
BFO	Black Forest	83.25	331	eP	Pmax	00 40 44.4 +0.9
PDG	Podgorica	83.27	321	iP	P	00 40 44.6 +1.0
PDG	Podgorica	83.27	321	eP	P	00 40 43.9 +0.4
TTG	Podgorica	83.27	321	eP	P	00 40 44.0 +0.4
TTG	Podgorica	83.27	321	eP	Pmax	00 40 44.0 +0.4
CBKS	Cedar Bluff	83.37	44	P	P	00 40 44.6 +0.3
CBKS	Cedar Bluff	83.37	44	eP	P	00 40 44.4 +0.1
CBKS	Cedar Bluff	83.37	44	eP	Pmax	00 40 44.4 +0.1
LIT	Litokhoron	83.39	318	eP	P	00 40 44.5 +0.1
LIT	Litokhoron	83.39	318	eP	Pmax	00 40 44.5 +0.1
FETA	Feichten	83.40	329	iPcP	P	00 40 45.4 +0.9
FNA	Florida	83.46	319	eP	P	00 40 44.2 -0.5
FNA	Florida	83.46	319	P	P	00 40 51.0 +6.3
FNA	Florida	83.46	319	eP	Pmax	00 40 44.2 -0.5
DSB	Dublin	83.47	342	eP	P	00 40 45.4 +1.0
K37A	Belmond	83.50	38	P	P	00 40 45.2 +0.3
OHRA	Ohrid	83.50	320	iP	P	00 40 45.7 +0.8
L36A	Harm Buss Farm	83.51	39	P	P	00 40 45.4 +0.5
HSIG	Hsieh	83.51	58	eP	P	00 40 46.0 +0.9
DAVA	Damuels	83.52	330	iPcP	P	00 40 46.1 +1.0
H40A	Chili	83.54	35	P	P	00 40 45.2 +0.2
XOR	Xorichti	83.57	317	P	P	00 40 44.8 -0.5
E43A	Lone Tree Farm	83.58	32	P	P	00 40 45.4 +0.2
F42A	Maple Grove Fa	83.61	33	P	P	00 40 45.6 +0.2
J38A	Wedel Dairy, R	83.62	37	P	P	00 40 45.7 +0.3
I39A	Houston	83.64	36	P	P	00 40 45.5 0.0
ECH	Echery	83.78	332	eP	P	00 40 46.1 -0.1
ECH	Echery	83.78	332	eP	Pmax	00 40 46.1 -0.1
E44A	Grand Marais A	83.81	31	P	P	00 40 47.0 +0.6
H41A	Junction City	83.87	34	P	P	00 40 46.7 +0.1
H41A	Junction City	83.87	34	eP	P	00 40 45.9 -0.8
KBN	Korea	83.87	319	P	P	00 40 46.9 0.0
G42A	Mountain	83.90	33	P	P	00 40 47.0 +0.2
G42A	Mountain	83.90	33	eP	P	00 40 47.7 +0.9
NEST	Nestorio	83.90	319	P	P	00 40 47.9 +0.9
FUOR	Ofenhaus Fuorn	83.91	329	eP	P	00 40 47.8 +0.5
L37A	Phoenix Point,	83.93	38	P	P	00 40 47.4 +0.4
M36A	Felix, Anita	83.94	39	P	P	00 40 47.8 +0.7
J39A	Decorah	83.96	36	P	P	00 40 46.9 -0.3
I40A	Norwalk	84.01	35	P	P	00 40 47.7 +0.2
F44A	Big Bay de Noc	84.14	32	P	P	00 40 48.1 +0.1
G43A	Wallace	84.20	33	P	P	00 40 48.5 +0.2
G43A	Wallace	84.20	33	eP	P	00 40 48.3 0.0
LKR	Lokris	84.20	317	P	P	00 40 47.7 -0.8
I41A	Arkdale	84.21	35	P	P	00 40 48.8 +0.4
AGG	Agios Georgios	84.28	317	eP	P	00 40 48.3 -0.6
AGG	Agios Georgios	84.28	317	P	P	00 40 49.4 +0.5
AGG	Agios Georgios	84.28	317	eP	Pmax	00 40 48.3 -0.6
AXAR	Agios Charalam	84.29	317	P	P	00 40 49.8 +0.8
L38A	Oak Wood Farm,	84.30	38	P	P	00 40 49.5 +0.6
E45A	Wooded Hills,	84.33	31	P	P	00 40 49.1 +0.1
M37A	Trindle Farm,	84.34	39	P	P	00 40 49.8 +0.7
N36A	Muff Farm, Cla	84.34	40	P	P	00 40 50.0 +0.8
J40A	Soldiers Grove	84.35	36	P	P	00 40 49.1 -0.1
SCIA	State Center	84.36	38	P	P	00 40 50.1 +0.9
SCIA	State Center	84.36	38	eP	P	00 40 50.3 +1.1
K39A	Olwein	84.36	37	P	P	00 40 48.9 -0.4
TUE	Stuetta	84.40	329	eP	P	00 40 49.3 -0.3
H42A	Shiocton	84.44	34	P	P	00 40 50.1 +0.6
JAN	Janina	84.57	319	P	P	00 40 50.8 +0.4
DSF	Desfina	84.62	317	P	P	00 40 49.3 -1.4
PMOR	Pomario Rio Ree	84.66	114	eT	T	02 14 12.4
J41A	Loganville	84.70	35	P	P	00 40 51.1 +0.2
K40A	Colesburg	84.71	36	P	P	00 40 51.2 +0.2
F45A	CMU Biological	84.74	31	P	P	00 40 51.5 +0.4
M38A	Pleasantville	84.74	38	P	P	00 40 51.9 +0.7
N37A	Lee Faris, Mou	84.76	40	P	P	00 40 52.1 +0.9
L39A	Winton	84.76	37	P	P	00 40 51.7 +0.4
I42A	Draeger Farm,	84.77	34	P	P	00 40 51.8 +0.5
I42A	Draeger Farm,	84.77	34	eP	P	00 40 50.6 -0.7
H43A	Windswept, Lux	84.80	33	P	P	00 40 52.1 +0.7
H43A	Windswept, Lux	84.80	33	eP	P	00 40 51.5 +0.1
KSU1	Kansas State U	84.80	42	eP	P	00 40 51.9 +0.4
KSU1	Kansas State U	84.80	42	eP	Pmax	00 40 51.8 +0.2
ANX	Ano Chora	84.81	317	P	P	00 40 51.2 -0.5
TRIZ	Trizonia	84.90	317	P	P	00 40 51.6 -0.4
IGT	Igoumeinita	84.92	319	P	P	00 40 52.5 +0.4
EFP	Epalio	84.94	317	P	P	00 40 54.1 +1.9
JFWS	Jewell Farm	84.95	36	P	P	00 40 52.3 +0.1
JFWS	Jewell Farm	84.95	36	eP	P	00 40 52.2 +0.1
JFWS	Jewell Farm	84.95	36	eP	Pmax	00 40 52.3 +0.1

F46A	Macinaw City C	84.97	31	P	P	00 40 52.3 +0.1
LAKA	Lakka	85.04	317	P	P	00 40 54.9 +2.1
GUR	Goure	85.07	317	P	P	00 40 51.9 -1.1
KLV	Kalavryta, Ach	85.09	317	P	P	00 40 49.6 -3.5
I43A	Langefeld Bro	85.11	34	P	P	00 40 53.4 +0.5
J42A	Columbus	85.13	35	P	P	00 40 53.4 +0.3
AMTX	Amarillo	85.13	48	P	P	00 40 54.9 +1.5
AMTX	Amarillo	85.13	48	eP	P	00 40 54.9 +1.5
MSXT	Muleshoe	85.16	49	P	P	00 40 54.5 +0.9
MSXT	Muleshoe	85.16	49	eP	P	00 40 54.5 +0.9
K41A	Shullsburg	85.17	36	P	P	00 40 53.5 +0.2
L40A	Anamosa	85.17	37	P	P	00 40 53.3 0.0
M39A	Webster	85.18	38	P	P	00 40 53.9 +0.5
MNTX	Cornudas Mount	85.20	52	P	P	00 40 54.9 +1.3
MNTX	Cornudas Mount	85.20	52	eP	P	00 40 55.1 +1.4
N38A	Joess South For	85.20	39	P	P	00 40 54.1 +0.6
O37A	Wolven Farm, M	85.24	40	P	P	00 40 54.5 +0.8
PPT	Papeete	85.26	117	LR	LR	01 11 28.1
PPT2	Papeete2	85.27	117	eLR	LR	01 07 51.2
PP2T	Papeete2	85.27	117	eT	T	02 14 58.2
SENN	Lac Senin/Sane	85.28	331	eP	P	00 40 54.7 +0.7
PAE	Paea	85.32	117	eT	T	02 14 59.7
J43A	Natural Harves	85.39	313	P	P	00 40 54.3 -0.3
LAST	Lasithi	85.39	34	P	P	00 40 54.6 +0.2
TIAR	Tiar	85.41	117	eT	T	02 15 06.7
K42A	Prairie Point,	85.46	35	P	P	00 40 54.8 0.0
N39A	Derby Farms, D	85.49	38	P	P	00 40 55.7 +0.8
L41A	Preston	85.50	36	P	P	00 40 55.0 +0.1
M40A	Post Highland	85.55	38	P	P	00 40 55.7 +0.5
P37A	Lathrop	85.58	40	P	P	00 40 55.9 +0.5
O38A	Galt	85.61	39	P	P	00 40 56.3 +0.8
IDI	Anoyia	85.62	313	P	P	00 40 55.2 -0.6
IDI	Anoyia	85.62	313	iP	LR	01 23 48.1
IDI	Anoyia	85.62	313	iP	P	00 40 57.0 +1.2
IDI	Anoyia	85.62	313	eP	P	00 40 56.3 +0.5
ITM	Ithomi	85.86	316	P	P	00 40 56.7 -4.1
MATE	Matera	85.86	322	iP	P	00 40 58.2 +1.5
N40A	Metsouke, Sal	85.92	38	P	P	00 40 57.6 +0.6
L42A	Oliver, Polo	85.93	36	P	P	00 40 56.8 -0.3
DYR	Agios Nikonas	85.95	316	P	P	00 40 58.4 +1.1
O39A	Kirkville	85.95	39	P	P	00 40 57.9 +0.5
P38A	Dawn	85.96	40	P	P	00 40 57.8 +0.5
K43A	Burlington	85.97	35	P	P	00 40 58.4 +1.2
M41A	Milan	86.03	37	P	P	00 40 57.7 +0.1
AQU	L'Aquila	86.04	325	eP	P	00 40 58.1 +0.4
AQU	L'Aquila	86.04	325	eP	Pmax	00 40 58.1 +0.4
SSF	Saint Saulege	86.06	333	eP	Pmax	00 40 58.1 +0.5
SSF	Saint Saulege	86.06	333	eP	Pmax	00 40 58.1 +0.5
O37A	Longview Farm,	86.07	41	P	P	00 40 57.9 0.0
TAOE	Nuku Hiva Isla	86.18	105	eT	T	02 16 10.5
M42A	Sheffield	86.33	36	P	P	00 40 59.1 +0.1
O40A	La Belle	86.38	39	P	P	00 40 50.0 +0.7
N41A	Harden Midland	86.41	38	P	P	00 40 59.9 +0.4
Q38A	Cooks Store, C	86.42	40	P	P	00 40 59.9 +0.4
P39B	Salisbury	86.45	39	P	P	00 40 00.3 +0.6
BNI	Bardonecchia	86.61	330	eP	P	00 40 01.2 +0.6
BNI	Bardonecchia	86.61	330	eP	Pmax	00 40 01.2 +0.6
Q39A	Willow Grove F	86.68	40	P	P	00 40 01.5 +0.7
N42A	Yates City	86.69	37	P	P	00 40 01.3 +0.5
M43A	Waltham Townsh	86.70	36	P	P	00 40 01.3 +0.3
P40A	Par	86.76	39	P	P	00 40 02.0 +0.8
O41A	Passleys Farm,	86.86	38	P	P	00 40 02.1 +0.4
WMOK	Wichita Mounta	86.87	46	eP	P	00 40 02.6 +0.7
WMOK	Wichita Mounta	86.87	46	eP	P	00 40 02.0 +0.1
WMOK	Wichita Mounta	86.87	46	eP	Pmax	00 40 02.0 +0.1
R38A	Fenwick Farm,	86.88	41	P	P	00 40 01.4 -0.4
TIP	Timpaigrande	86.97	321	eP	P	00 40 02.5 +0.2
TIP	Timpaigrande	86.97	321	eP	P	00 40 02.7 +0.3
TIP	Timpaigrande	86.97	321	eP	P	00 40 06.6 +4.2
TIP	Timpaigrande	86.97	321	eP	P	00 40 02.7 +0.3
N43A	Stutzman Famil	87.00	36	P	P	00 40 02.5 +0.1
RPZ	Rata Peaks,	87.07	160	LR	LR	01 15 42.2
P41A	Barry, Barry	87.12	38	P	P	00 40 03.7 +0.7
M44A	Midewin, Midew	87.16	35	P	P	00 40 03.7 +0.6
Q40A						

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like 545A Carrier Mills, ERPA Erie, WHAR Woolly Hollow, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like BLA Blacksburg, Y49A Blount Mountain, 147A Livingston, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like SMAA Simav-Kutahya, SMAA Gediz, DEMI Demirci, etc.

ISC 10 00:34:35.7, 39°11'N-29°15'E, h6km, ML2.0, Error ellipse: s-maj=5.8km s-min=4.1km az=148.2



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

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

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

NSSP 10 01:33:48.5, 41.45N:46.70E, h8km, Ms3.3
IDC 10 01:33:49.4, 1.1, 41.35N:46.86E, h0km, mb3.3/4,
mb1 3.3/8, mb1mx3.2/58, mbtrp2.8, ML2.2/3, Error
ellipse: s-maj=17.9km s-min=13.7km az=147.0

CSEM 10 01:33:52.4, 0.1, 41.55N:46.68E, h10km, ML3.1, Error
ellipse: s-maj=2.6km s-min=2.5km az=49.0
ISC 10 01:33:52.4, 0.8, 41.51N:0.01:46.69E, 0.01, h16km, 6km,
n134, s1935/214, mb3.4/4, 28C-20D, Eastern Caucasus

DDA 10 01:36:10.2, 34.80N:27.84E, h5km, M13.1
ISC/B 10 01:36:18.5, 1.3, 35.18N:0.05:27.98E, 0.03, h8km, 9km,
Error ellipse: s-maj=9.1km s-min=3.6km az=162.9
CSEM 10 01:36:18.7, 0.3, 35.18N:27.99E, h5km, ML2.5, Error
ellipse: s-maj=7.6km s-min=3.7km az=165.0





10d 2h

2015 MAY

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Scatter, Elevation Scatter, Azimuth Offset, Elevation Offset, Azimuth Trend, Elevation Trend, Azimuth Slope, Elevation Slope, Azimuth Intercept, Elevation Intercept, Azimuth Residual, Elevation Residual, Azimuth Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Phase, Elevation Phase, Azimuth Amplitude, Elevation Amplitude, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Power, Elevation Power, Azimuth SNR, Elevation SNR, Azimuth BER, Elevation BER, Azimuth QoS, Elevation QoS, Azimuth Security, Elevation Security, Azimuth Compliance, Elevation Compliance, Azimuth Standards, Elevation Standards, Azimuth Certifications, Elevation Certifications, Azimuth Licenses, Elevation Licenses, Azimuth Registrations, Elevation Registrations, Azimuth Approvals, Elevation Approvals, Azimuth Permits, Elevation Permits, Azimuth Licenses, Elevation Licenses, Azimuth Registrations, Elevation Registrations, Azimuth Approvals, Elevation Approvals, Azimuth Permits, Elevation Permits.

ISC/JB 10:2:13:54.3:0.2:28:59S:0:03:112:42W:0:04:h10km, m5.2/220, MS5.8/581, Error ellipse: s-maj=6.3km s-min=4.2km az=144.6
IDC 10:2:13:54.4:0.4:28:68S:112:65W:h0km,mb4.7/25, mb1.4/9/25, mb1mx4.9/40, mb1tmp4.7/25, MS5.6/36, Ms1.5/6/36, ms1mx5.6/36, Error ellipse: s-maj=16.5km s-min=12.7km az=100.0
MOS 10:2:13:55.2:1.3:28:58S:112:50W,h10km,mb5.3/53, MS5.8/48, Error ellipse: s-maj=12.6km s-min=6.6km az=81.7
GCMT 10:2:13:56.2:0.1:28:78S:112:67W,h15km,MW5.9/149, Moment Tensor Solution. s136,c282; s149,c499; Duration: 2s3 Moment tensor: Scale 1018Nm; Mn-0.04e-01; Mw-0.92e-01; Ms-0.96e-01; M-0.12e-02; Mw-0.23e-01; Ms-0.01e-02; Best double couple: M=0.98000e+1018 NP1=127.00000; 888.00000; 1-174.00000; NP2=129.00000; 884.00000; 1-4.00000; Principal axes: T 1.0030, Plg1.0000; Azm262.0000; N -0.0270, Plg83.0000; Azm162.0000; P -0.9760, Plg7.0000; Azm352.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
NEIC 10:2:13:56.2:0.2:28:73S:112:59W,h10km,mb5.3/205, MS5.8/299,MW5.8,MW5.9 Error ellipse: s-maj=6.6km s-min=4.5km az=72.0, Moment Tensor Solution. s51 Moment tensor: Scale 1017Nm; Mn-0.29; Mw-5.93; Ms-5.64; M-0.85; Mw-1.33; Mw-0.62; Best double couple: M=6.00000e+1017 NP1=38.00000; 888.00000; 1-174.00000; NP2=129.00000; 880.00000; 1-178.00000; Principal axes: T 5.8400, Plg5.0000; Azm84.0000; N 0.3800, Plg80.0000; Azm207.0000; P -6.2200, Plg8.0000; Azm353.0000;
NEIC 10:2:13:56.0:0.0:29:18S:112:66W,h11km, Moment Tensor Solution. s29 Moment tensor: Scale 1017Nm; Mn-0.82; Mw-6.83; Ms-7.66; Mw-0.75; Mw-2.36; Mw-0.71; Best double couple: M=7.70000e+1017 NP1=306.00000; 890.00000; 1-172.00000; NP2=216.00000; 882.00000; 1-0.00000; Principal axes: T 8.1100, Plg5.0000; Azm80.0000; N -0.8300, Plg82.0000; Azm307.0000; P -7.2700, Plg5.0000; Azm171.0000; BUJ 10:2:13:58.7:28:70S:112:50W,h15km,mb5.5/29, Ms5.9/36, Ms7.5/9/37
ISC 10:2:13:56.6:0.2:28:61S:0:06:112:45W:0:05,h10km, n1323,r166/928,mb5.3/220,MS5.8/582,13C-19D, Easter Island region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Scatter, Elevation Scatter, Azimuth Offset, Elevation Offset, Azimuth Trend, Elevation Trend, Azimuth Slope, Elevation Slope, Azimuth Intercept, Elevation Intercept, Azimuth Residual, Elevation Residual, Azimuth Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Phase, Elevation Phase, Azimuth Amplitude, Elevation Amplitude, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Power, Elevation Power, Azimuth SNR, Elevation SNR, Azimuth BER, Elevation BER, Azimuth QoS, Elevation QoS, Azimuth Security, Elevation Security, Azimuth Compliance, Elevation Compliance, Azimuth Standards, Elevation Standards, Azimuth Certifications, Elevation Certifications, Azimuth Licenses, Elevation Licenses, Azimuth Registrations, Elevation Registrations, Azimuth Approvals, Elevation Approvals, Azimuth Permits, Elevation Permits.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Scatter, Elevation Scatter, Azimuth Offset, Elevation Offset, Azimuth Trend, Elevation Trend, Azimuth Slope, Elevation Slope, Azimuth Intercept, Elevation Intercept, Azimuth Residual, Elevation Residual, Azimuth Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Phase, Elevation Phase, Azimuth Amplitude, Elevation Amplitude, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Power, Elevation Power, Azimuth SNR, Elevation SNR, Azimuth BER, Elevation BER, Azimuth QoS, Elevation QoS, Azimuth Security, Elevation Security, Azimuth Compliance, Elevation Compliance, Azimuth Standards, Elevation Standards, Azimuth Certifications, Elevation Certifications, Azimuth Licenses, Elevation Licenses, Azimuth Registrations, Elevation Registrations, Azimuth Approvals, Elevation Approvals, Azimuth Permits, Elevation Permits.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Scatter, Elevation Scatter, Azimuth Offset, Elevation Offset, Azimuth Trend, Elevation Trend, Azimuth Slope, Elevation Slope, Azimuth Intercept, Elevation Intercept, Azimuth Residual, Elevation Residual, Azimuth Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Phase, Elevation Phase, Azimuth Amplitude, Elevation Amplitude, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Power, Elevation Power, Azimuth SNR, Elevation SNR, Azimuth BER, Elevation BER, Azimuth QoS, Elevation QoS, Azimuth Security, Elevation Security, Azimuth Compliance, Elevation Compliance, Azimuth Standards, Elevation Standards, Azimuth Certifications, Elevation Certifications, Azimuth Licenses, Elevation Licenses, Azimuth Registrations, Elevation Registrations, Azimuth Approvals, Elevation Approvals, Azimuth Permits, Elevation Permits.

VNDA	VNDA	61.36 194	eP	P	02 24 10.7	-1.5	baz=Z,26nm,1.7s
VNDA	VNDA						comp=Z,26nm,1.7s
ODZ	Otahua Downs	61.50 232	PFAKE	LR	02 24 20.0	+6.4	baz=Z,26nm,1.7s
ODZ	Otahua Downs						comp=Z,26nm,1.7s
RPZ	Rata Peaks	61.52 233	PFAKE	LR	02 24 20.0	+6.2	baz=Z,5um,19.0s
RPZ	Rata Peaks						comp=Z,5um,19.0s
QSPA	South Pole Qui	61.57 180	P	P	02 24 13.0	-0.9	baz=Z,8.0nm,1.0s,SNR=107,slow=4.1,SNR=8.7
QSPA	South Pole Qui				02 24 44.3		comp=Z,8.0nm,1.0s,SNR=107,slow=4.1,SNR=8.7
QSPA	South Pole Qui	61.57 180	eP	P	02 24 14.1	+0.2	baz=Z,140nm,1.9s
QSPA	South Pole Qui						comp=Z,140nm,1.9s
Ouz	Omahuta	61.81 243	PFAKE	LR	02 24 30.0	+1.4	
Ouz	Omahuta						comp=Z,8um,22.0s
SDDR	Pres de Saban	61.81 45	eP	P	02 24 20.2	+4.3	baz=Z,23nm,1.1s
SDDR	Pres de Saban						comp=Z,23nm,1.1s
SDDR	Pres de Saban						comp=Z,3um,22.0s
441A	DeRidder	61.82 19	P	P	02 24 15.5	-0.2	baz=174
441A	DeRidder						comp=Z,3um,22.0s
KNTN	Kanton	61.85 283	PFAKE	LR	02 24 30.0	+1.4	baz=199
KNTN	Kanton						comp=Z,6um,20.0s
SNCC	San Nicolas Is	61.88 353	PFAKE	LR	02 24 30.0	+1.4	baz=199
SNCC	San Nicolas Is						comp=Z,6um,20.0s
CIS	Catalina Island	61.93 354	P	P	02 24 15.3	-1.2	baz=174
CIS	Catalina Island						comp=Z,14um,19.0s
WHTX	Lake Whitney	61.93 14	P	P	02 24 15.2	-1.2	baz=195
WHTX	Lake Whitney						comp=Z,14um,19.0s
WHTX	Lake Whitney	61.93 14	PFAKE	LR	02 24 30.0	+1.4	baz=195
WHTX	Lake Whitney						comp=Z,14um,19.0s
LBZ	Lake Benmore	61.97 232	PFAKE	LR	02 24 30.0	+1.3	baz=195
LBZ	Lake Benmore						comp=Z,6um,19.0s
BC3	Big Chukawat	61.99 357	P	P	02 24 16.2	-0.7	baz=177,SNR=28
BC3	Big Chukawat						comp=Z,5um,18.0s
XPFO	Pieon Flat	61.99 356	eP	P	02 24 18.0	+1.0	baz=37nm,1.5s
XPFO	Pieon Flat						comp=Z,37nm,1.5s
PFO	Pinyon Flats O	61.99 356	P	P	02 24 15.1	-1.9	baz=176
PFO	Pinyon Flats O						comp=Z,10um,18.0s
PFO	Pinyon Flats O	61.99 356	eP	P	02 24 18.0	+1.0	baz=37nm,1.5s
PFO	Pinyon Flats O						comp=Z,37nm,1.5s
PFO	Pinyon Flats O	61.99 356	eP	Pmax	02 24 18.0	+1.0	baz=37nm,1.5s
PFO	Pinyon Flats O						comp=Z,37nm,1.5s
MURC	Murrieta	62.03 356	P	P	02 24 15.4	-1.7	baz=175
MURC	Murrieta						comp=Z,10um,18.0s
Y12C	Blythe	62.05 358	P	P	02 24 15.2	-2.0	baz=178,SNR=16
Y12C	Blythe						comp=Z,10um,18.0s
Y12C	Blythe	62.05 358	eP	P	02 24 17.4	+0.2	baz=46nm,1.2s
Y12C	Blythe						comp=Z,46nm,1.2s
ABTX	Abilene, Hawle	62.10 12	P	P	02 24 16.5	-1.1	baz=193,SNR=6.1
ABTX	Abilene, Hawle						comp=Z,10um,20.0s
ABTX	Abilene, Hawle	62.10 12	eP	P	02 24 17.2	-0.4	baz=193,SNR=6.1
ABTX	Abilene, Hawle						comp=Z,10um,20.0s
ABTX	Abilene, Hawle						comp=Z,6um,21.0s
Y14A	Wickenburg	62.21 359	eP	P	02 24 19.4	+1.1	baz=199
Y14A	Wickenburg						comp=Z,8um,21.0s
SDD	Santo Domingo	62.28 46	PFAKE	LR	02 24 30.0	+1.1	baz=199
SDD	Santo Domingo						comp=Z,9um,19.0s
BELC	Belle Mtn. Jos	62.36 357	P	P	02 24 17.4	-2.1	baz=177,SNR=27
BELC	Belle Mtn. Jos						comp=Z,2um,19.0s
341A	Kurthwood	62.37 19	P	P	02 24 17.9	-1.5	baz=199
341A	Kurthwood						comp=Z,2um,19.0s
NATX	Nacogdoches	62.37 17	P	P	02 24 18.3	-1.1	baz=198
NATX	Nacogdoches						comp=Z,3um,18.0s
NATX	Nacogdoches	62.37 17	PFAKE	LR	02 24 30.0	+1.1	baz=198
NATX	Nacogdoches						comp=Z,3um,18.0s
FOZ	Fox Glacier	62.44 233	PFAKE	LR	02 24 30.0	+1.0	baz=199
FOZ	Fox Glacier						comp=Z,3um,18.0s
IRM	Iron Mountain	62.47 357	P	P	02 24 17.7	-2.4	baz=178,SNR=21
IRM	Iron Mountain						comp=Z,7um,20.0s
444A	Pine Grove	62.52 21	P	P	02 24 19.9	-0.4	baz=202
444A	Pine Grove						comp=Z,7um,20.0s
Y22D	IRIS PASSCAL I	62.56 5	P	P	02 24 20.8	0.0	baz=186
Y22D	IRIS PASSCAL I						comp=Z,7um,20.0s
Y22D	IRIS PASSCAL I	62.56 5	PFAKE	LR	02 24 30.0	+9.2	baz=186
Y22D	IRIS PASSCAL I						comp=Z,7um,20.0s
Y22E	IRIS PASSCAL I	62.56 5	P	P	02 24 20.7	-0.1	baz=186
Y22E	IRIS PASSCAL I						comp=Z,7um,20.0s
PDMCI	Parker Dam, Lak	62.59 358	P	P	02 24 20.7	-0.1	baz=178,SNR=13
PDMCI	Parker Dam, Lak						comp=Z,2um,19.0s
342A	Flagon Creek P	62.65 19	P	P	02 24 21.1	-0.2	baz=200
342A	Flagon Creek P						comp=Z,2um,19.0s
BNM	Barren Site	62.66 5	eP	P	02 24 22.8	+1.2	baz=202
BNM	Barren Site						comp=Z,7um,21.0s
445A	Amite	62.66 21	P	P	02 24 21.8	+0.4	baz=202
445A	Amite						comp=Z,7um,21.0s
PASC	Pasadena Art C	62.67 355	eP	P	02 24 26.1	+4.7	baz=36nm,1.3s
PASC	Pasadena Art C						comp=Z,36nm,1.3s
PASC	Pasadena Art C						comp=Z,13um,19.0s
WKZ	Wanaka	62.67 232	PFAKE	LR	02 24 30.0	+8.5	baz=199
WKZ	Wanaka						comp=Z,13um,19.0s
BLG	Laguna Peak, P	62.69 354	P	P	02 24 18.8	-2.7	baz=174
BLG	Laguna Peak, P						comp=Z,4um,20.0s
X16A	Lo Mia Camp, P	62.69 1	eP	P	02 24 22.8	+1.0	baz=211nm,1.4s
X16A	Lo Mia Camp, P						comp=Z,211nm,1.4s
BFSC	Mount Baldy Ra	62.70 355	P	P	02 24 22.1	+0.4	baz=175,SNR=5.9
BFSC	Mount Baldy Ra						comp=Z,6um,20.0s
MWC	Mount Wilson	62.71 355	PFAKE	LR	02 24 30.0	+8.1	baz=175,SNR=5.9
MWC	Mount Wilson						comp=Z,6um,20.0s
X18A	Snowflake	62.84 2	eP	P	02 24 23.2	+0.5	baz=54nm,1.5s
X18A	Snowflake						comp=Z,13um,20.0s
LAZ	Ladron	62.87 5	eP	P	02 24 23.4	+0.5	baz=199
LAZ	Ladron						comp=Z,12um,20.0s
240A	Hunter Patters	62.87 18	P	P	02 24 22.2	-0.6	baz=199
240A	Hunter Patters						comp=Z,12um,20.0s
MSTX	Muleshoe	62.91 9	P	P	02 24 20.8	-2.3	baz=190,SNR=6.7
MSTX	Muleshoe						comp=Z,6um,20.0s
MSTX	Muleshoe	62.91 9	eP	P	02 24 22.4	-0.7	baz=190,SNR=6.7
MSTX	Muleshoe						comp=Z,6um,20.0s
957A	Wimauma	63.01 30	P	P	02 24 23.1	-0.6	baz=210
957A	Wimauma						comp=Z,4um,22.0s
446A	Poplarville	63.03 22	P	P	02 24 23.2	-0.7	baz=203
446A	Poplarville						comp=Z,4um,22.0s
NEE2	Needles Airpor	63.06 358	P	P	02 24 23.2	-0.8	baz=178
NEE2	Needles Airpor						comp=Z,4um,22.0s
241A	Mo Tay, Goldon	63.09 19	P	P	02 24 23.6	-0.6	baz=199
241A	Mo Tay, Goldon						comp=Z,4um,20.0s
GMRC	Granite Mounta	63.12 357	P	P	02 24 22.8	-1.7	baz=177,SNR=19
GMRC	Granite Mounta						comp=Z,4um,20.0s
WHZ	Wether Hill Ro	63.15 230	PFAKE	LR	02 24 40.0	+1.5	baz=201
WHZ	Wether Hill Ro						comp=Z,4um,20.0s
OSI	Osito Audit: C	63.16 354	PFAKE	LR	02 24 40.0	+1.5	baz=201
OSI	Osito Audit: C						comp=Z,4um,20.0s
MLZ	Maavora Lakes	63.16 231	PFAKE	LR	02 24 40.0	+1.5	baz=201
MLZ	Maavora Lakes						comp=Z,16um,20.0s
UWE	Uwekahuna	63.19 314	PFAKE	LR	02 24 40.0	+1.5	baz=201
UWE	Uwekahuna						comp=Z,16um,20.0s
HEC	Hector, Ludlow	63.20 356	P	P	02 24 24.1	-0.9	baz=176,SNR=5.9
HEC	Hector, Ludlow						comp=Z,4um,20.0s
344A	Westbrook Farm	63.20 21	P	P	02 24 24.3	-0.6	baz=201
344A	Westbrook Farm						comp=Z,4um,20.0s
345A	Thompson Farm,	63.29 21	P	P	02 24 24.8	-0.8	baz=201
345A	Thompson Farm,						comp=Z,4um,20.0s
242A	Grayson	63.35 19	P	P	02 24 25.6	-0.3	baz=202
242A	Grayson						comp=Z,5um,19.0s
EDW2	Edwards Air Fo	63.36 355	P	P	02 24 25.0	-1.1	baz=200
EDW2	Edwards Air Fo						comp=Z,5um,19.0s
243A	Waterproof	63.37 20	P	P	02 24 24.6	-1.5	baz=201
243A	Waterproof						comp=Z,5um,19.0s
W13A	Hualapai Mount	63.38 359	eP	P	02 24 26.6	+0.2	baz=18nm,1.2s
W13A	Hualapai Mount						comp=Z,18nm,1.2s
LDFC	Landfair	63.39 358	eP	P	02 24 28.2	+1.9	baz=114nm,1.3s
LDFC	Landfair						comp=Z,114nm,1.3s
W18A	Petrified Fore	63.43 2	P	P	02 24 25.2	-1.4	baz=183
W18A	Petrified Fore						comp=Z,12um,20.0s
W18A	Petrified Fore	63.43 2	eP	P	02 24 28.1	+1.5	baz=183
W18A	Petrified Fore						comp=Z,12um,20.0s
W18A	Petrified Fore						comp=Z,46nm,1.6s
ANMO	Albuquerque	63.46 6	P	P	02 24 24.5	-2.4	baz=196
ANMO	Albuquerque						comp=Z,12um,19.0s
ANMO	Albuquerque	63.46 6	eP	P	02 24 27.4	+0.5	baz=196
ANMO	Albuquerque						comp=Z,12um,19.0s
ANMO	Albuquerque						comp=Z,14nm,1.3s
ANMO	Albuquerque						comp=Z,10um,22.0s
ANMO	Albuquerque	63.46 6	eP	Pmax	02 24 27.4	+0.5	baz=14nm,1.3s
ANMO	Albuquerque						comp=Z,10um,22.0s
140A	Cam and Jess,	63.49 18	P	P	02 24 27.1	+0.2	baz=198
140A	Cam and Jess,						comp=Z,14nm,1.3s
346A	Big Creek Wild	63.55 22	P	P	02		

TUL1	Leonard	66.06	15	P	P	02 24 42.4	-1.2
TUL1	Leonard	66.06	15	eP	LR	02 24 44.3	+0.7
TUL1	SABA	66.14	52	PFAKE	LR	02 25 00.0	+16
ABVI	Abnegada Island	66.15	50	PFAKE	LR	02 25 00.0	+16
MLAC	Mammoth, Mammoth	66.16	354	P	P	02 24 43.0	-1.5
MDPB	Devils Postpil	66.18	354	eP	P	02 24 49.1	+4.5
Z49A	Columbiana	66.20	24	P	P	02 24 43.3	-1.2
S22A	4UR Ranch, Cre	66.21	5	P	P	02 24 43.4	-1.5
S22A	4UR Ranch, Cre	66.21	5	eP	LR	02 24 44.8	-0.1
X44A	Crenshaw	66.21	20	P	P	02 24 43.3	-1.2
SEUS	St. Eustatius	66.23	52	PFAKE	LR	02 25 00.0	+15
W41B	Gary Mavity, V	66.24	18	P	P	02 24 43.8	-0.9
RDG13	Poverty Ridge	66.26	352	eP	P	02 24 49.4	+4.4
RDG13	Lee's Yard	66.27	54	eP	LR	02 24 33.8	-1.2
GDHS	Morre Mazeau,	66.27	54	PFAKE	LR	02 25 00.0	+15
SKI	Saint Kitts	66.29	53	eP	P	02 24 39.1	-6.4
MTPU	Mount Pierson	66.30	0	eP	LR	02 24 46.5	+1.0
SDCO	Great Sand Dun	66.32	6	P	P	02 24 44.9	-0.7
SDCO	Great Sand Dun	66.32	6	eP	LR	02 24 45.1	-0.5
SDCO	Woolly Hollow	66.34	18	eP	P	02 24 45.4	0.0
X45A	UM Field Stati	66.37	21	P	P	02 24 44.1	-1.5
Y47A	JCPARC, Winfie	66.39	22	P	P	02 24 44.4	-1.3
PV05	Paradox Valley	66.41	3	eP	P	02 24 48.1	+2.1
OXF	Oxford	66.45	21	eP	P	02 24 42.4	-3.7
OXF	Oxford	66.45	21	eP	pmx	02 24 42.4	-3.7
PV01	Paradox Valley	66.49	3	eP	P	02 24 47.4	+0.8
V39A	Pettigrew	66.50	17	P	P	02 24 46.2	-0.3
SMRT	St. Maarten	66.55	52	PFAKE	LR	02 25 00.0	+13
Y48A	Jasper	66.63	23	P	P	02 24 45.7	-1.6
R11A	Troy Canyon, C	66.67	357	P	P	02 24 47.7	0.0
R11A	Troy Canyon, C	66.67	357	eP	LR	02 24 47.4	-0.2
R11A	Witts Springs	66.68	17	P	P	02 24 46.3	-1.3
CMB	Columbia Colle	66.71	353	eP	LR	02 24 48.4	+0.7
CMB	Columbia Colle	66.71	353	eP	pmx	02 24 48.4	+0.7
CMB	Columbia Colle	66.71	353	eP	MLR	02 24 48.4	+0.7
153A	Fort Valley	66.71	26	P	P	02 24 47.3	-0.5
PV10	Paradox Valley	66.71	3	eP	P	02 24 48.6	+0.7
PV04	Paradox Valley	66.73	3	eP	P	02 24 47.6	-0.4
X46A	Boonville	66.75	21	P	P	02 24 47.0	-1.0
MSU	Marysvalle	66.77	0	eP	P	02 24 48.8	+0.5
MSU	Marysvalle	66.77	0	eP	P	02 24 48.8	+0.5
PSUT	Pine Spring	66.80	359	eP	LR	02 24 49.6	+1.1
PSUT	Paradox Valley	66.83	3	eP	P	02 24 47.7	-0.1
PV09	Paradox Valley	66.84	18	P	P	02 24 48.3	-1.3
V41A	Mountainview	66.85	16	eP	P	02 24 48.9	+0.2
HHAR	Hobbs	66.85	16	eP	P	02 24 48.9	+0.2
MET	Memphis-Engin	66.86	20	PFAKE	LR	02 25 00.0	+11
TCRU	Three Creeks R	66.86	0	PFAKE	LR	02 25 00.0	+11
NV11	Mina Array Sit	66.90	355	eP	P	02 24 48.7	-0.4
NV11	Mina Array Sit	66.91	355	eP	LR	02 24 48.7	-0.4
NV01	Mina Array Sit	66.91	355	eP	P	02 24 48.9	-0.3
NVAR	Mina Array Bea	66.91	355	P	P	02 24 48.7	-0.5
NVAR	Mina Array Bea	66.91	355	P	LR	02 24 48.7	-0.5
X47A	Russelville	66.95	22	P	P	02 24 47.0	-2.3
U39A	Green Forest	66.96	17	P	P	02 24 48.9	-1.1
V42A	Cord	67.07	18	P	P	02 24 49.3	-0.7
WAKR	Walker	67.08	354	eP	P	02 24 52.0	+1.7
WAKR	Walker	67.08	354	eP	LR	02 24 52.0	+1.7
MCCM	Marconi Confer	67.11	351	PFAKE	LR	02 25 00.0	+10
MCCM	Hickory Valley	67.11	21	P	P	02 24 49.7	-0.6
W45A	Hickory Valley	67.12	355	eP	P	02 24 52.0	+1.5
RYN	Ryan	67.19	160	P	P	02 24 49.9	-0.6
RYN	Ryan	67.19	160	P	LR	02 25 00.0	+8.9
X48A	Hartselle	67.19	53	PFAKE	LR	02 24 51.5	+0.6
Q16A	Castle Valley	67.18	1	eP	P	02 24 51.5	+0.6
VNA3	Neumayer Olymp	67.19	160	P	P	02 24 49.9	-0.6
ANWB	Willib Bob	67.19	53	PFAKE	LR	02 25 00.0	+8.9
ANWB	Willib Bob	67.19	53	eP	P	02 24 45.7	-5.4
U40A	Yelville	67.20	17	P	P	02 24 50.7	-0.1
V43A	Jonesboro	67.29	19	P	P	02 24 50.5	-0.9
PLAL	Pickwick Lake	67.31	22	eP	P	02 24 50.5	-1.0
SRU	San Rafael Swe	67.39	2	eP	P	02 24 51.5	-0.7
SRU	San Rafael Swe	67.39	2	eP	pmx	02 24 51.5	-0.7
U41A	Viola	67.43	18	P	P	02 24 52.0	-0.3
X49A	Woodville	67.46	23	P	P	02 24 52.5	0.0
T38A	Diamond	67.48	16	P	P	02 24 51.7	-0.9
KVN	Kaiserville	67.51	355	eP	P	02 24 53.2	+0.2
KVN	Kaiserville	67.51	355	eP	LR	02 24 53.2	+0.2

KVN	Kaiserville	67.51	355	eP	P	02 24 53.2	+0.2
KVN	Kaiserville	67.51	355	eP	pmx	02 24 53.2	+0.2
KVN	Kaiserville	67.51	355	eP	MLR	02 24 53.2	+0.2
GOGA	Godfrey	67.52	26	P	P	02 24 52.8	-0.1
GOGA	Godfrey	67.52	26	eP	P	02 24 53.5	+0.6
GOGA	Godfrey	67.52	26	eP	pmx	02 24 53.5	+0.6
YERR	Yerington	67.54	354	PFAKE	LR	02 25 10.0	+17
YERR	Yerington	67.54	354	PFAKE	LR	02 25 10.0	+17
TMUT	Trail Mountain	67.56	1	eP	P	02 24 54.6	+1.2
TMUT	Trail Mountain	67.56	1	eP	LR	02 24 54.6	+1.2
Q24A	Divide	67.56	6	P	P	02 24 52.3	-1.2
Q24A	Divide	67.56	6	PFAKE	LR	02 25 10.0	+17
Q24A	Divide	67.56	6	PFAKE	LR	02 25 10.0	+17
U42A	Reverend	67.62	18	P	P	02 24 52.8	-0.7
SMCO	Snowmass	67.63	5	eP	P	02 24 54.5	+0.5
SMCO	Snowmass	67.63	5	eP	LR	02 24 54.5	+0.5
AFDM	Forest Hills D	67.67	353	eP	P	02 24 54.3	+0.5
AFDM	Forest Hills D	67.67	353	eP	LR	02 24 54.3	+0.5
PNTR	Pine Nut	67.67	354	eP	P	02 24 55.3	+1.2
PNTR	Pine Nut	67.67	354	eP	LR	02 24 55.3	+1.2
RUBR	Rubicon Trail	67.69	354	PFAKE	LR	02 25 10.0	+16
RUBR	Rubicon Trail	67.69	354	PFAKE	LR	02 25 10.0	+16
T39A	Clever	67.70	16	P	P	02 24 53.1	-0.9
W47A	Westpoint	67.71	22	P	P	02 24 52.8	-1.3
P17A	Butcher Ranch,	67.75	1	eP	P	02 24 54.7	+0.3
P17A	Butcher Ranch,	67.75	1	eP	LR	02 24 54.7	+0.3
GDXM	Geysers	67.76	351	PFAKE	LR	02 25 10.0	+16
GDXM	Geysers	67.76	351	PFAKE	LR	02 25 10.0	+16
W48A	Pulaski	67.82	22	P	P	02 24 53.5	-1.3
VNA1	Neumayer-Stat	67.84	160	P	P	02 24 53.5	-1.0
KEKH	Kekaha	67.88	313	PFAKE	LR	02 25 10.0	+15
KEKH	Kekaha	67.88	313	PFAKE	LR	02 25 10.0	+15
U43A	Recto	67.88	19	P	P	02 24 55.3	+0.2
VCNR	Virginia City	67.88	354	PFAKE	LR	02 25 10.0	+15
VCNR	Virginia City	67.88	354	PFAKE	LR	02 25 10.0	+15
KSCO	Kaye Shedlock'	67.89	8	P	P	02 24 54.6	-0.7
KSCO	Kaye Shedlock'	67.89	8	eP	P	02 25 00.3	+5.0
KSCO	Kaye Shedlock'	67.89	8	eP	LR	02 25 00.3	+5.0
P18A	Preston Nutter	67.91	2	eP	P	02 24 56.2	+0.6
HOPS	Hopland Field	67.98	351	PFAKE	LR	02 25 10.0	+14
HOPS	Hopland Field	67.98	351	PFAKE	LR	02 25 10.0	+14
VNA2	Neumayer-Watz	67.99	160	P	P	02 24 53.6	-1.9
T40A	Mansfield	68.03	17	P	P	02 24 55.2	-0.9
V46A	Holladay	68.04	21	P	P	02 24 54.5	-1.6
CBKS	Cedar Bluff	68.11	11	P	P	02 24 56.0	-0.6
CBKS	Cedar Bluff	68.11	11	PFAKE	LR	02 25 10.0	+13
CBKS	Cedar Bluff	68.11	11	PFAKE	LR	02 25 10.0	+13
T41A	Mountain View	68.13	18	P	P	02 24 55.1	-1.6
S38A	Stockton	68.14	16	P	P	02 24 55.3	-1.5
NLU	North Lily Min	68.21	0	eP	P	02 24 58.3	+0.9
NLU	North Lily Min	68.21	0	eP	LR	02 24 58.3	+0.9
SWET	Sewanee	68.24	23	eP	P	02 24 57.4	0.0
PBMO	Poplar Bluff	68.25	19	eP	P	02 24 56.9	-0.5
V47A	Nunnally	68.26	22	P	P	02 24 56.3	-1.3
PAHR	Pah Rah Range	68.27	354	eP	P	02 24 58.6	+0.9
PAHR	Pah Rah Range	68.27	354	eP	LR	02 24 58.6	+0.9
MPU	Maple Canyon	68.27	1	eP	P	02 24 58.5	+0.7
T42A	Van Buren	68.30	18	P	P	02 24 56.2	-1.6
ORV	Oroville	68.33	352	eP	P	02 24 58.7	+0.8
ORV	Oroville	68.33	352	eP	LR	02 24 58.7	+0.8
ORV	Oroville	68.33	352	eP	pmx	02 24 58.7	+0.8
ORV	Oroville	68.33	352	eP	MLR	02 24 58.7	+0.8
S39A	Bolivar	68.34	16	P	P	02 24 57.1	-0.9
U45A	Rookin F Farm,	68.35	20	P	P	02 24 56.8	-1.2
ISCO	Idaho Springs	68.35	6	P	P	02 24 58.0	-0.4
ISCO	Idaho Springs	68.35	6	eP	LR	02 24 59.4	+1.0
ISCO	Idaho Springs	68.35	6	eP	LR	02 24 59.4	+1.0
ISCO	Idaho Springs	68.35	6	eP	pmx	02 24 59.4	+1.0
ISCO	Idaho Springs	68.35	6	eP	MLR	02 24 59.4	+1.0
V48A	Smith Brothers	68.41	22	P	P	02 24 56.3	-2.2
WWT	Waverly	68.44	21	P	P	02 24 57.1	-1.5
WWT	Waverly	68.44	21	eP	P	02 24 57.6	

P38A	Dawn	70.13	15	P	P	02 25 08.8	-0.2
USIN	University of	70.17	21	eP	P	02 25 09.8	+0.5
P39B	Salisbury	70.19	16	P	P	02 25 08.5	-0.8
Q42A	Golden Eagle	70.22	18	P	P	02 25 08.7	-0.9
TZTN	Tazewell	70.27	24	P	P	02 25 09.9	-0.1
TZTN	Tazewell	70.27	24	eP	P	02 25 09.5	-0.6
R45A	Skyler, Fairri	70.29	20	P	P	02 25 08.8	-1.2
M02C	Callahan	70.31	352	P	P	02 25 10.6	+0.4
S48A	Wiedeman Farm,	70.41	22	P	P	02 25 09.0	-1.8
R46A	Gibson Southern	70.45	21	P	P	02 25 10.1	-0.9
Q43A	New Douglas	70.47	19	P	P	02 25 10.8	-0.4
O37A	Wolven Farm, M	70.51	15	P	P	02 25 09.9	-1.4
MOD	Modoc Plateau	70.53	354	eP	P	02 25 12.5	+0.8
MOD	comp=Z,10um,21.0s						
O38A	Galt	70.62	15	P	P	02 25 10.6	-1.4
YBH	Yreka Blue Hor	70.62	352	P	P	02 25 11.9	-0.2
YBH	comp=Z,5.7nm,1.0s,baz=3.1,slow=2.4,SNR=3.4						
YBH	comp=Z,1.1um,22.0s,baz=168,slow=30						
YBH	Yreka Blue Hor	70.62	352	eP	P	02 25 12.4	+0.3
YBH	comp=Z,4nm,1.4s						
YBH	Yreka Blue Hor	70.62	352	eP	P	02 25 12.4	+0.3
YBH	comp=Z,24nm,1.4s						
Q44L	Meyer Farm, Va	70.63	19	P	P	02 25 11.8	-0.3
OLLY	Olney	70.75	20	eP	P	02 25 15.7	+2.9
P41A	Barry, Barry	70.79	17	P	P	02 25 12.5	-0.6
R47A	Wooly Knot Far	70.83	21	P	P	02 25 13.3	0.0
WCI	Wyandotte Cave	70.85	22	P	P	02 25 11.3	-2.2
WCI	Wyandotte Cave	70.85	22	PFAKE	LR	02 25 30.0	+1.7
Q45A	Warren Harvey,	70.88	20	P	P	02 25 12.7	-0.9
P42A	Winchester	70.90	18	P	P	02 25 12.9	-0.9
BGNE	Belgrade	70.91	11	P	P	02 25 13.0	-0.8
BGNE	Belgrade	70.91	11	PFAKE	LR	02 25 30.0	+1.6
BGNE	Belgrade	70.91	11	PFAKE	LR	02 25 30.0	+1.6
WVOR	Wild Horse Val	70.92	355	PFAKE	LR	02 25 30.0	+1.6
N36A	Muff Farm, Cia	70.95	14	P	P	02 25 13.2	-0.8
O39A	Kirksville	70.96	16	P	P	02 25 13.3	-0.9
O40A	La Belle	71.00	17	P	P	02 25 12.6	-1.8
AHID	Auburn Hatcher	71.03	1	eP	P	02 25 14.3	-0.5
AHID	comp=Z,7um,20.0s						
N37A	Lee Farris, Mou	71.06	15	P	P	02 25 13.8	-0.8
BW06	Boulder Array	71.07	2	P	P	02 25 12.4	-2.6
BW06	Boulder Array	71.07	2	eP	P	02 25 13.5	-1.5
BW06	comp=Z,25nm,1.3s						
PD31	Pinedale Array	71.07	2	eP	P	02 25 13.6	-1.5
PDAR	Pinedale Array	71.07	2	P	P	02 25 13.5	-1.5
PDAR	comp=Z,7.3nm,1.0s,baz=173,slow=6.4,SNR=24						
PDAR	comp=Z,6um,20.6s,baz=186,slow=32						
K22A	Casper	71.11	5	P	P	02 25 12.3	-2.7
K22A	Casper	71.11	5	eP	P	02 25 13.8	-1.4
K22A	Casper	71.11	5	eP	P	02 25 15.4	+0.2
R48A	Northridge Ran	71.14	22	P	P	02 25 14.6	-0.7
P43A	Skaggs, Pawnee	71.18	19	P	P	02 25 14.8	-0.6
JOHN	Johnston Islan	71.24	302	PFAKE	LR	02 25 30.0	+1.4
JOHN	comp=Z,6um,21.0s						
O41A	Passleys Farm,	71.25	17	P	P	02 25 15.9	0.0
P44A	Sand Creek, Wi	71.27	19	P	P	02 25 15.4	-0.6
KBO	Bosley Butte	71.30	351	PFAKE	LR	02 25 30.0	+1.4
KBO	comp=Z,7um,20.0s						
NCAT	North Carolina	71.32	27	PFAKE	LR	02 25 30.0	+1.4
NCAT	comp=Z,2um,19.0s						
CNNC	Cliffs of the	71.39	29	P	P	02 25 16.5	-0.2
CNNC	Cliffs of the	71.39	29	PFAKE	LR	02 25 30.0	+1.3
K04D	Chiloquin, OR	71.39	353	P	P	02 25 19.1	+2.2
K05A	Summer Lake	71.40	353	eP	P	02 25 16.6	-0.4
K05A	comp=Z,70nm,1.2s						
Q47A	Bedford North L	71.45	21	P	P	02 25 16.8	-0.3
HUMO	Hull Mountain	71.52	352	eP	P	02 25 17.9	+0.5
HUMO	comp=Z,37nm,1.2s						
O42A	Bath	71.54	18	P	P	02 25 17.0	-0.6
N39A	Derby Farms, D	71.56	16	P	P	02 25 15.7	-2.1
P45A	Graceland, Par	71.59	20	P	P	02 25 17.3	-0.6
M36A	Felix, Anita	71.59	14	P	P	02 25 16.8	-1.2
REDW	Red Top Meadow	71.63	1	eP	P	02 25 17.4	-1.0
REDW	comp=Z,22nm,1.2s						
BLO	Bloomington	71.64	21	PFAKE	LR	02 25 30.0	+1.2
BLO	comp=Z,7um,20.0s						
M37A	Trindle Farm,	71.71	14	P	P	02 25 18.1	-0.5
SNOW	Snow King Moun	71.73	1	eP	P	02 25 19.0	-0.1
SNOW	comp=Z,15nm,1.0s						
MFID	Camas Ranch	71.73	357	eP	P	02 25 19.0	+0.2
MFID	comp=Z,37nm,1.3s						
TPAW	Teton Pass	71.75	1	eP	P	02 25 18.4	-0.8
TPAW	comp=Z,5um,20.0s						
N40A	Mertquake, Sal	71.80	17	P	P	02 25 18.6	-0.6
J08A	Circle Bar Ran	71.82	355	eP	P	02 25 20.6	+1.2
J08A	comp=Z,57nm,1.2s						
P46A	Rosedale	71.83	20	P	P	02 25 18.7	-0.6
O43A	Sugar Creek Fa	71.83	18	P	P	02 25 18.8	-0.6
HLID	Hailey	71.84	358	P	P	02 25 18.1	-1.4

HLID	baz=178,SNR=66	71.84	358	eP	P	02 25 18.9	-0.6
HLID	comp=Z,46nm,1.2s						
LOHW	Long Hollow	71.88	1	eP	P	02 25 19.7	-0.2
LOHW	comp=Z,8um,19.0s						
LOHW	comp=Z,18nm,1.1s						
FWXY	Fox Creek	71.90	1	eP	P	02 25 19.0	-1.0
FWXY	comp=Z,7um,21.0s						
M38A	Pleasantville	71.92	15	P	P	02 25 19.3	-0.5
O44A	Marfield	71.95	19	P	P	02 25 19.2	-0.9
KEBM	Edson Butte	71.96	351	PFAKE	LR	02 25 30.0	+1.0
KEBM	comp=Z,8um,20.0s						
J05D	Fort Rock, OR	71.99	353	P	P	02 25 20.6	+0.1
J05D	baz=172						
MOOW	Moose Ponds	72.02	1	eP	P	02 25 18.9	-1.8
MOOW	comp=Z,10nm,1.0s						
J04D	Umpqua Nationa	72.04	353	P	P	02 25 19.4	-1.5
J04D	baz=171						
BLA	Blacksburg	72.04	26	eP	P	02 25 21.2	+0.4
BLA	comp=Z,26nm,1.0s						
BLA	Blacksburg	72.04	26	eP	P	02 25 21.2	+0.4
BLA	comp=Z,26nm,1.0s						
HDIL	Hopedale	72.09	18	eP	P	02 25 20.7	-0.2
HDIL	comp=Z,22nm,0.8s						
N42A	Yates City	72.14	18	P	P	02 25 20.3	-0.9
IMW	Indian Meadow	72.16	1	eP	P	02 25 20.8	-0.8
IMW	comp=Z,17nm,1.0s						
M39A	Webster	72.21	16	P	P	02 25 20.5	-1.2
M39A	baz=199						
L36A	Harm Buss Farm	72.24	14	P	P	02 25 21.3	-0.5
L36A	baz=196						
O45A	Potwac	72.26	20	P	P	02 25 21.3	-0.6
O45A	baz=203						
DZM	Mont Dzumac	72.30	254	eS	S	02 34 39.3	-7.1
DZM	comp=Z,3um,25.4s						
DZM	Mont Dzumac	72.30	254	eLR	LR	02 47 09.0	
DZM	comp=Z,18um,27.4s						
DZM	Mont Dzumac	72.30	254	P	P	02 25 22.1	-0.7
DZM	comp=Z,11nm,1.0s,baz=80,slow=17,SNR=3.9						
M40A	Post Highland	72.31	16	P	P	02 25 22.2	0.0
M40A	baz=199						
SCIA	State Center	72.38	15	P	P	02 25 22.0	-0.5
SCIA	comp=Z,5um,18.0s						
SCIA	State Center	72.38	15	PFAKE	LR	02 25 30.0	+7.4
SCIA	comp=Z,5um,18.0s						
L37A	Phoenix Point,	72.46	14	P	P	02 25 22.9	-0.2
L37A	baz=199						
PINE	Pine Mountain	72.46	354	eP	P	02 25 23.5	+0.2
PINE	comp=Z,62nm,1.1s						
M41A	Milan	72.52	17	P	P	02 25 22.9	-0.6
M41A	comp=Z,4um,21.0s						
YPP	Pitchstone Pla	72.54	1	eP	P	02 25 24.4	+0.5
YPP	comp=Z,10nm,1.2s						
SFIN	Lafayette	72.56	20	P	P	02 25 23.1	-0.6
SFIN	comp=Z,10um,18.0s						
SFIN	Lafayette	72.56	20	eP	P	02 25 25.1	+1.3
SFIN	comp=Z,64nm,1.9s						
I07A	Izee	72.62	355	eP	P	02 25 25.3	+1.1
I07A	comp=Z,34nm,1.1s						
N44A	Piper City	72.64	19	P	P	02 25 23.6	-0.6
N44A	comp=Z,11um,22.0s						
L38A	Oak Wood Farm,	72.66	15	P	P	02 25 22.8	-1.5
L38A	baz=198						
H17A	Grant Village	72.67	1	P	P	02 25 24.4	-0.2
H17A	comp=Z,9.8nm,1.0s						
H17A	Grant Village	72.67	1	eP	P	02 25 27.1	+2.5
H17A	comp=Z,6.6nm,1.0s						
YFT	Old Faithful	72.72	1	eP	P	02 25 29.6	+4.7
YFT	comp=Z,10um,20.0s						
K35A	Storm Lake	72.72	13	P	P	02 25 24.1	-0.5
K35A	comp=Z,9.8nm,1.0s						
RSSD	Black Hills	72.78	6	P	P	02 25 24.5	-0.8
RSSD	baz=198						
RSSD	Black Hills	72.78	6	eP	P	02 25 25.4	+0.2

Table with columns: ID, Name, Comp, Az, El, AzEl, P, M, AzEl, P, M, AzEl, P, M. Rows include D08A Wollman Farm, D08A Goodland, PANH Panhandle Gap, H40A Chili, SPMM Marine on St., etc.

Table with columns: ID, Name, Comp, Az, El, AzEl, P, M, AzEl, P, M, AzEl, P, M. Rows include BRNJ, D36A Goodland, C32A Creston, E40A Wakefield, C33A Trail, A04D Lummi Island, C34A RKJ Ranch, etc.

Table with columns: ID, Name, Comp, Az, El, AzEl, P, M, AzEl, P, M, AzEl, P, M. Rows include CRAG Craig, WRAK Wrangell Island, STKA Stephens Creek, DLBC Dease Lake, DLBC Dease Lake, FCC Fort Churchill, etc.

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Table with columns for call letters, name, frequency, power, and other details. Includes stations like SVW2, SACV, RND, MCK, SHEL, TRF, PPLA, HDA, KTH, ATKA, ILAR, WRH, CAST, CCB, COLA, BPAW, MDM, ASAR, INK, MLY, MANU, FYU, SPIA, WRAB, WRA, COLD, TOLK, H01W1, H01W2, H01W3, GAMB, RDOG, IVI, RES, NRS, SFJD, MTN, ILULI, GUMO, TULEG, SAUI, PMOZ, MBWA, ANGG, FAKI, PET, PEA0B, TSUM, SUMG, KOWA, SOEI, CBIJ, MMRI, BORG, TMTI, SCO, PFVI, MAJO.

2012 MAY

Table with columns for call letters, name, frequency, power, and other details. Includes stations like PFVI, PMAFR, MORF, TOC5, TOB4, TOB5, TOC4, TOC7, TOA0, TOA1, TOR, TOB1, TOA2, TOB2, TOC1, TOC3, TOC2, PNCL, RTC, MA2, PBDV, PCVE, PVAQ, PPGA, PPGA, PPGA, PCAS, COI, PESTR, PESTR, PESTR, PESTR, PGAV, PMAVR, MTE, MTE, MTE, POLO, POLO, POLO, JHJ2, MVO, MVO, MVO, LUWI, PBRG, PBRG, PBRG, YSS, YSS, PAB, PAB, MAJO.

10d 2h

Table with columns for call letters, name, frequency, power, and other details. Includes stations like MJB9, ESDC, ESLS, ES19, INU, DSB, JAGI, LSZ, CART, ESK, KBS, TAM, TAM, TIXI, MYLDM, CISI, KLR, YAK, YAK, YAK, UCC, ABPO, MDJ, KRSR, KS01, KSAR, WLF, BNI, BNI, BNI, SBUM, SENIN, ZEA, ZEA, KONO, KONO, INCN, YOJ, NOA, NOA, KEST, BFO, VSL, STU, TUE, NACB, YULB, TWG, TATO, YHNB, SSSL, FUORN, TPUB, VLC, AREO, FETA, RETA, GRFO, KEV.



Table with columns: RGN, comp-Z, 2j, 2m, 20.0s, RUGEN, 133.36, 41, PFAKE, LR, 02 33 20.0 +7.6, etc.

Table with columns: TTT, comp-Z, 2j, 2m, 22.0s, Podgorica, 138.88, 57, PFAKE, LR, 02 33 30.0 +6.9, etc.

Table with columns: ALN, Alexandroupoli, 144.08, 59, P, PKPab, 02 33 28.3 -1.7, etc.

Table with columns: Station Name, Frequency, Power, and various status indicators. Includes stations like Novokhoporsk, Mathiatis, Anapa, Gaotai, Arta Tunnel, etc.

Table with columns: Code, Station Name, Frequency, Power, and various status indicators. Includes stations like Kashi, Simav-Kutahya, Gediz, Demirci, etc.

Table with columns: Code, Station Name, Frequency, Power, and various status indicators. Includes stations like GCAM, MDUB, YER, KLYT, etc.



Table with columns: STGT, Esanatoglia, 0.40 287, P, Pb, 02 49 33.2 +0.2, etc. Includes station names like Esanatoglia, SAN MARTINO, Villa Celiara, etc.

ISCJB 10 03:03:53.0±0.8, 28°31'N, 0°09'14.1"E, 0.2, h35km, mb3.6/5, Error ellipse: s-maj=26.5km s-min=6.9km az=152.6

IDC 10 03:03:55.2±0.2, 28°36'N, 141°17'E, h47km, 26km, mb3.6/4, mb1.3/9.5, mb1mx3.3/66, mbtrmp4.0/5, ML3.6/1, Error ellipse: s-maj=62.9km s-min=9.1km az=68.0

ISC 10 03:03:54.7±0.9, 28°30'N, 141°02'±0.2, h35km, n10, +681/9, mb4.0/5, Bonin Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Chichijima, Hachioji jima 2, WAKE ISLAND Hy 25.08 104, etc.

IDC 10 03:04:51.3±3.5, 36°31'N, 71°03'E, h172km, 30km, mb3.4/12, mb1.3/4.16, mb1mx3.1/71, mbtmp3.9/16, MS3.8/1, Ms1.3/8.1, ms1mx3.1/47, Error ellipse: s-maj=23.5km s-min=18.2km az=4.0

ISCJB 10 03:04:54.2±0.4, 36°16'N, 0°03:07.73E±0.06, h188km, mb3.7/12, Error ellipse: s-maj=6.5km s-min=4.6km az=169.1

NEIC 10 03:04:56.3±0.7, 36°59'N, 71°01'E, h211km, 7km, mb4.1/2, Error ellipse: s-maj=11.5km s-min=8.8km az=108.0

NNC 10 03:04:59.4±4.7, 36°38'N, 70°62'E, h180km, 70km, mb3.0, mpv3.9, Error ellipse: s-maj=45.7km s-min=40.4km az=44.0

ISC 10 03:04:54.6±0.6, 36°62'N, 0°06:70.92E±0.07, h188km, n59, +159/63, mb3.7/12, 8C-3D, Hindu Kush region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Kabul, Nilore, Karatay Array, etc.

Table with columns: MKAR, Makanchi Array, 13.23 36 P Pn, 03 07 56.1 +0.8, etc. Includes stations like Makanchi Array, Koldanda, Gorkha, etc.

ISCJB 10 03:20:26 ±0.3, 45°71'N, 0°02:14.29E±0.02, h13km, 3km, Error ellipse: s-maj=2.9km s-min=2.1km az=19.0

CSEM 10 03:20:26 ±0.1, 45°69'N, 14°28'E, h17km, 1km, ML2.6/21, Error ellipse: s-maj=1.8km s-min=1.2km az=12.0

LJU 10 03:20:26 ±1.45, 70°N, 14°29'E, h16km, ML2.0

ROM 10 03:20:26 ±0.2, 45°69'N, 0°02:14.29E±0.01, h10km, ML2.1/7

VIE 05:20:26 ±0.4, 45°75'N, 14°24'E, h12km, 7km, mb 1.9/6, mb2.3/11, Error ellipse: s-maj=4.9km s-min=2.4km az=171.0

ISC 10 03:20:33 ±0.8, 45°70'N, 0°02:14.29E±0.01, h14km, 4km, n101, +065/142, 10C-9D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Cerknica, Knežji Dol, Skadansica, etc.

Table with columns: GBRS, Makanchi Array, 13.23 36 P Pn, 03 07 56.1 +0.8, etc. Includes stations like Makanchi Array, Koldanda, Gorkha, etc.

10d 4h

Table with columns: FVI, Forni Avoltri, comp=N, 1.38 311, AML, AML, etc. Includes various station codes and coordinates.

MEX 10 03:22:40.4-0.3, 16:17N-96:65W, h26km, 30km, MD3.7, Oaxaca. Table with columns: Code, Station Name, A, AZ, Phase ID, Op, Time, Res.

ISC 10 03:28:46.6, 1.2, 4.53N-92:71E, h0km, mb3.8/8, mb1.4, 0.11, mb1mx3.7/66, mbtmp3.9/11, ML4.3/3, MS4.7/4, s-min=19.0km az=35.0

NEIC 10 03:28:47.6, 0.4, 4.52N-92:73E, h10km, mb4.4/2, Error ellipse: s-maj=10.4km s-min=6.2km az=207.0

ISCJB 10 03:28:49.3, 0.7, 4.58N-10:92.76E, 0.06, h33km, mb3.9/10, MS4.7/4, Error ellipse: s-maj=14.8km s-min=6.7km az=25.7

ISC 10 03:28:51.3, 0.8, 4.5N-101.9273E, 0.08, h35km, n30, o1508/25, mb3.9/10, MS4.7/4, Off west coast of northern Sumatra

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, Time, Res. Lists various stations like LHMI, GSI, PSI, etc.

2012 MAY

Main table with columns: HFS, Hagfors, 80.64 330, LR, LR, 04 19 13.0, etc. Includes station codes like SHGR, AHWZ, IKLH, etc.

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Table with columns: Code, Station Name, A, AZ, Phase ID, Op, Time, Res. Lists stations like LREZ, WAZ, PREZ, etc.

NEIC 10 04:18:10.8-0.0, 15:88N-98:83W, h16km, MD4.1 (MEX), After MEX.

MEX 10 04:18:10.8-0.0, 15:88N-98:83W, h16km, 6km, MD4.1, Off coast of Guerrero

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, Time, Res. Lists stations like PNIG, TLIG, etc.

ISCJB 10 04:20:55.3, 0.7, 39:13N-100:06:29.16E, 0.04, h13km, 6km, Error ellipse: s-maj=10.0km s-min=4.7km az=158.5

CSEM 10 04:20:55.4, 39:10N-29:17E, h7km, ML2.5 DDA 10 04:20:55.4, 39:10N-29:17E, h7km, ML2.5

ISC 10 04:20:55.4, 39:11N-100:05:29.18E, 0.03, h13km, 9km, n12, o5923, Turkey

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, Time, Res. Lists stations like SIMA, SAMA, SMAA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MANT Manisa, IDC 10 04:24:12.1, JMA 10 04:24:13.2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RIGZ Rimuhau, MRHZ Matea Rd, ABAB Army Bay, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ODZ Otahua Downs, JDC Otahua Downs, JZJ Jackson Bay, etc.

NEIC 10 04:34:44.1, 0.0, 37.235x176.83E, h172km, ML4.4(WEL), After WEL.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WEL 10 04:34:41.7, 37.5, 177E, h198km, 7km, North Island.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LREZ Lake Rotokare, PKE Pukeiti, PRHZ Porangahau, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NNC 10 04:41:27.4, 6.0, 37.10N, 70.98E, h0km, mb3.5, mpv3.1, etc.

ISC 10 05:08:40.9, 1.1, 24.3S, 0.2, 179.6E, 0.1, h600km, n13, c317/14, mb3.8/9, South of Fiji Islands

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

MEX 10 05:19:32.9, 0.7, 16.53N, 98.41W, h24km, 17km, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PINOT Pinotepe, TLG Tlapa, VHO Vista Hermosa, etc.



10d 6h

2012 MAY

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes entries for JMA, IDC, ISC, and various station codes like JHU2, JKO, JHCJ, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes entries for ISK, DDA, ATH, ISC, THE, CSEM, and various station codes like GPNR, BSO1, etc.

Table with columns: GPNR, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes entries for Gulpinar-Canak, SIGR, SGR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes entries for CTKS, CTYL, Yaliko, etc.



Table with columns: SHL, SHL, INK, BRVK, BRVK, GUN, KKN, PKI, PKI, DMN, AAK, AAK, KSH, KSH, DANN, PYUN, KK31, KK31, KKAR, KKAR, DLBC, DLBC, SPITS, ABKAR, BBB, RES, RES, RES, AKTO, AKTO, YKA, WRAB, WRAB, WRA, GEYT, FINES, VSR, VSU, VSU, ASAR, ASAR, ASAR, BEKR, BOZ, BOZ, BOZ, BOZ, KVAR, KIV, KIV, KIV, KBZ, NVAR, NOA, NOA, HFS, H17A, AKASG, PDARE, BRTR, BRTR, CLL, CLL, CLL, EKA, GERES, TXAR, TXAR, TXAR, PPT, TKL, SNAAS

ISCJB 10 06:06:43.1±0.5, 32°19'N±0.03°115°24'W±0.04, h26km±5km, Error ellipse: s-maj=6.3km s-min=4.8km az=145.9 NEIC 10 06:06:44.5±0.0, 32°14'N±115°24'W, h6km, MD3.0(ECX), ML2.8(PAS), After ECX

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

Table with columns: SPX, SPX, TJIG, TJIG, TJIG, TJIG, PFC, PFC, TUC, TUC

ISCJB 10 06:24:37.0±0.7, 32°16'N±0.02°115°16'W±0.02, h12km±5km, Error ellipse: s-maj=3.0km s-min=2.9km az=21.6 NEIC 10 06:24:39.0±0.0, 32°15'N±115°22'W, h8km, MD3.7(ECX), ML3.7(PAS), After ECX

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

ISCJB 10 06:24:39.0±0.6, 32°15'N±115°23'W, h8km, MD3.5, ML3.7 MEX 10 06:24:40.0±0.3, 32°20'N±115°16'W, h5km, MD3.9 ISC 10 06:24:36.4±1.1, 32°14'N±115°22'W±0.02, h7km±10km, n84, ±0.139/105, 1C-7D, California-Baja California border region

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

ISCJB 10 06:24:37.0±0.7, 32°16'N±0.02°115°16'W±0.02, h12km±5km, Error ellipse: s-maj=3.0km s-min=2.9km az=21.6 NEIC 10 06:24:39.0±0.0, 32°15'N±115°22'W, h8km, MD3.7(ECX), ML3.7(PAS), After ECX

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

ISCJB 10 06:24:37.0±0.7, 32°16'N±0.02°115°16'W±0.02, h12km±5km, Error ellipse: s-maj=3.0km s-min=2.9km az=21.6 NEIC 10 06:24:39.0±0.0, 32°15'N±115°22'W, h8km, MD3.7(ECX), ML3.7(PAS), After ECX

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

ISCJB 10 06:24:37.0±0.7, 32°16'N±0.02°115°16'W±0.02, h12km±5km, Error ellipse: s-maj=3.0km s-min=2.9km az=21.6 NEIC 10 06:24:39.0±0.0, 32°15'N±115°22'W, h8km, MD3.7(ECX), ML3.7(PAS), After ECX

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

ISCJB 10 06:24:37.0±0.7, 32°16'N±0.02°115°16'W±0.02, h12km±5km, Error ellipse: s-maj=3.0km s-min=2.9km az=21.6 NEIC 10 06:24:39.0±0.0, 32°15'N±115°22'W, h8km, MD3.7(ECX), ML3.7(PAS), After ECX

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

Table with columns: TX31, Lajitas Ar. Si, 10.33 103 ePn, Pn, 06 27 07.9 +2.8

OTT 10 06:33:03.1±0.2, 61°04'N±59°44'W, h18km, ML3.6/8, LAIBERTA RADOR Sea Seismic Zone, 295km east from Resolution Island, Nu, Davis Strait

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

ISCJB 10 06:33:03.1±0.2, 61°04'N±59°44'W, h18km, ML3.6/8, LAIBERTA RADOR Sea Seismic Zone, 295km east from Resolution Island, Nu, Davis Strait

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

ISCJB 10 06:33:03.1±0.2, 61°04'N±59°44'W, h18km, ML3.6/8, LAIBERTA RADOR Sea Seismic Zone, 295km east from Resolution Island, Nu, Davis Strait

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

ISCJB 10 06:33:03.1±0.2, 61°04'N±59°44'W, h18km, ML3.6/8, LAIBERTA RADOR Sea Seismic Zone, 295km east from Resolution Island, Nu, Davis Strait

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

ISCJB 10 06:33:03.1±0.2, 61°04'N±59°44'W, h18km, ML3.6/8, LAIBERTA RADOR Sea Seismic Zone, 295km east from Resolution Island, Nu, Davis Strait

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

ISCJB 10 06:33:03.1±0.2, 61°04'N±59°44'W, h18km, ML3.6/8, LAIBERTA RADOR Sea Seismic Zone, 295km east from Resolution Island, Nu, Davis Strait

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

ISCJB 10 06:33:03.1±0.2, 61°04'N±59°44'W, h18km, ML3.6/8, LAIBERTA RADOR Sea Seismic Zone, 295km east from Resolution Island, Nu, Davis Strait

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

ISCJB 10 06:33:03.1±0.2, 61°04'N±59°44'W, h18km, ML3.6/8, LAIBERTA RADOR Sea Seismic Zone, 295km east from Resolution Island, Nu, Davis Strait

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



Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like ARCES ARCESS Array B, KLMR Klimovskoe, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like NVAR Mina Array Bea, GCMT Greycliff, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like ISCO Idaho Springs, GOPC GO Pecny, Ondr, etc.

Code Station Name Az Az' Phase ID Time Res
MKAR Makanchi Array 45.03 352 P P 06 58 49.6 +0.1

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include SONM, ASAR, KSRB, KURBB, TXAR.

MAN 10 06:58:11.3, 9.97N, 123:15E, h1km, mb4.1, ML3.0, MS2.6, IC-10, Negros

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include SNPH, GUILM, RCP, MSP, MSP.

ISCJB 10 07:08:48.0, 0.8, 28:85S, 0:1:112:8W, 0.1, h10km, mb4.4/100, MS3.6/8, Error ellipse: s-maj=19.8km

IDC 10 07:08:49.0, 0.8, 28:80S, 1:12:89W, h0km, mb4.2/12, mb1.4, 4/12, mb1mx4.1/36, mbtmp4.2/12, MSJ.6/8, Ms1.3.5/8, ms1mx3.2/32, Error ellipse: s-maj=25.7km

NEIC 10 07:08:50.1, 0.4, 28:93S, 1:12:84W, h10km, mb4.5/89, Error ellipse: s-maj=10.5km s-min=7.4km az=48.0

ISC 10 07:08:50.7, 0.8, 28:85S, 0:1:123:9W, 0.2, h10km, n125, c+73.125, mb4.5/100, MS3.6/8, Easter Island region

Main table of station data with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include PLCA, LAPAZ, OTAV, JTS, TLIG, APG, PRAC, CCIG, CIV, ESPN, TGUH, ROSC, HELC, SAML, RUSC, ZAIG, LPIG, LNIG, SDV, TXAR, TXAR, MNTX, HKT, TUC, 113A, WHTX, ABTX, Y14A, X16A, MSTX, LDFC, GSC, WUAZ, U15A, DAC, SHPR, LCMT, KNB, TPNV, X40A, MVCO, CCUT, MHCTO, SZCU, T25A, X43A, S22A, W41B, SDCO, PV05, PV03, R11A, CMB, PV15, PV04, MSU, PSUT.

Main table of station data with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include PV09, NV11, NV01, NVAR, NVAR, Q16A, SRU, KVN, TMUT, AFDM, PNR, SMCO, NLU, MPO, IMCU, DUG, SNA, BMN, JLU, CTU, KSU1, BGU, TCUT, YBH, BW06, PD31, PDAR, PDAR, K22A, REDW, SNOW, TPWA, J08A, HLID, LOHW, FXWY, MOOW, IMW, PINE, YHB, YHH, MCMT, BMO, ECSD, G08A, BOZ, MSO, LAGT, DMO, ULM, EDM, FFC, YKA, MLR, AKAS, SONA, SONM, OBN, CMAR, BR101, BRTR, ARU, ZAA1, ZALV, KBZ, BVAR, KURK, KURBB.

BUI 10 07:31:21.2, 0:79S, 122:84E, h172km, mb4.7/37, MB4.7/26, ISCJB 10 07:31:29.8, 0.3, 0:22N, 0:02E, 122:36E, 0:02, h177km, 2km, mb4.7/117, Error ellipse: s-maj=3.8km s-min=3.1km az=42.1

DJA 10 07:31:30.1, 0.2, 0:2N, 122:2E, h153km, 2km, M4.9/32, mb5.0/32, mb5.4/17, MLV5.1/17, Mw(mB)4.9/17

NEIC 10 07:31:31.4, 0.5, 0:20N, 122:37E, h180km, 5km, mb4.9/51, Error ellipse: s-maj=5.7km s-min=4.2km az=57.0

NEIC Felt at Manado and Tondano. IDC 10 07:31:32.6, 1.3, 0:18N, 122:17E, h191km, 11km, mb4.2/35, mb1.4, 3/38, mb1mx4.2/63, mbtmp4.8/38, MS3.1/4, Ms1.3.2/4, ms1mx2.7/54, Error ellipse: s-maj=11.7km s-min=9.4km az=71.0

MOS 10 07:31:35.1, 1.1, 0:19N, 122:27E, h231km, 14km, mb4.7/43, Error ellipse: s-maj=11.2km s-min=5.8km az=114.6

ISC 10 07:31:38.0, 0.4, 0:18N, 122:33E, 0:03, h174km, 3km, n334, c+168/413, mb4.6/117, 18C-6D, Minahasa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include MRSI, APSI, APSI, LUWI, LUWI, KMSI, KMSI, MPSI, MPSI.

Main table of station data with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include PALU, TANA TORAJA, SANANA, SANGIHE, BONE, TERNATE, LABUHA, BAIKAPPAN, NAMLEA, LAHAD DATU, BANG BANG, AMBON, KOTABARU, MUARA TEWEH, DAVAO CITY, KOTA KINABALU, MAUMERE, SAURONG, SINGARAJA, DENPASAR, BANYUGLUR, JAJAG, GUMUKMAS, NGAWI, PAGERWOJO, SEMARANG, WONGIRI, CIBINONG, TAGAYAG CITY, KANG PUCUNG, JATIWANG, MANTON DAM, MANTON DAM, CIMERAK, LEMBANG, CIMERAK, LISI, DBJI, KNRA, DSRI, TPRI, CGJI, KLI, FITZ, FITZ, MYKOM, KASI, MDSI, LWLI, MNAI, MASI, KRJI, MBWA, IPM, PDSI, KULM, UBPT, SKLT, YULB, WRAB, WRI, WRI, WRI, WRA, WRA, WB2, CHBT, SSLB, PSI, PSI, PSI, TRTT, GIRL, SRAK, SKNT, GSI, COEN, NAYO, PKDT, CHAIYAPHUM, WRA, PHET, AS31, AS31, ASAR, ASAR, ASAR.





Table with columns: BR101, BR131, BRTR, BRTR, MCK, RND, RND, RND, COLA, COLA, CCB, QSPA, QSPA, ILAR, ILB, AKASG, AKAB, KIEV, ARAO, ARCES, FIAO, FIAO, FIAO, FIAO, FIAO, SPAO, SPITS, DAWY, INK, INK, WHY, NVL, NVL, SNA, YKA, YKA, YKBS, NV01, NVAR, PD31, PDAR, ESDC, TOAO, TOAO, TORD, TOA1, TOA1, ANMO, ANMO, KOWA, DBIC, TXAR, TXAR, JCT, JCT, VBMS, TIGA, PGP, PEL, PEL, LCO, LCO, GO03, GO02, CPUP, CPUP, MNMC, LPAZ, LPAZ, SAML, SAML

GCMT 10 07:44:56.0±0.2, 62.335±154.93E, h17km, 1km, MW5.0/83, Moment Tensor Solution, s29,c35; s83,c109; Duration: 0 Moment tensor: Scale 10^16Nm; Mr=0.89±.18; Mw=3.20±.13; Mbb=2.31±.13; Mbr=1.33±.36; Mbb-2.41±.12; Mr1.38±.42; Best double couple: Mo4.08700±.1016; NP1.95±154.00000±; s68.00000±; λ=27.00000±; NP2: φ±245.00000±; s63.00000±; λ=178.00000±; Principal axes: T 4.6540, P18.0000±, Azm202.0000±; N=1, 1300. P163.0000±; Azm330.0000±; P=3.5190, P120.0000±; Azm106.0000±; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

IDC 10 07:44:57.4±5.9, 62.725±153.92E, h0km, mb3.8/2, mb1 4.0/3, mb1mx3.7/38, mbtmp3.7/3, ML3.5/1, MS4.0/22, Ms1 4.0/22, ms1mx3.9/31 Error ellipse: s-maj=426.3km s-min=42.7km az=76.0, Baileny Islands region

Table with columns: Vnda, RZP, URZ, STKA, MAW, H01W1, H01W2, H01W3, NWA0, ASAR, ASAR, WZM, WZM, WRA

Table with columns: HNR, PMG, AFI, BATI, PPT, LEM, PLCA, PSI, H0S2, H0S1, H0S3, BOSA, CPUP, JOW, CMAR, LPAZ, MJAR

SJA 10 07:51:23.4±0.3, 29.895±71.77W, h3km, 11km, ML3.6, MW3.3

GUC 10 07:51:26.3±0.4, 29.885±70.49W, h84km, 10km, ML4.2

Table with columns: TLL, TLL, TLL, GO04, GO04, GO04, LCO, LCO, LCO, VACH, VACH, VACH, ACVD, ACVD, ACVD, CPCH, CPCH, CPCH, AGUA, AGUA, AGUA, RTLS, RTLS, RTLS, AMOG, AMOG, AMOG, AUPS, AUPS, AUPS, RUSC, RUSC, RUSC, ROCH, ROCH, ROCH, ARCO, ARCO, ARCO

IDC 10 07:52:19.6±6.3, 47.366±145.65E, h479km, 95km, mb2.8/5, mb1 3.2/5, mb1mx2.7/68, mbtmp3.8/7, Error ellipse: s-maj=170.5km s-min=19.5km az=118.0, Sea of Okhotsk

Table with columns: MA2, SEY, ILAR, YKA, YKA, WRA, ASAR

IDC 10 08:07:15.6±1.2, 36.185±73.59W, h0km, mb3.9/6, mb1 4.0/7, mb1mx3.8/37, mbtmp3.9/7, ML3.6/1, Error ellipse: s-maj=49.7km s-min=17.1km az=76.0

GUC 10 08:07:16.7±0.6, 36.233±73.75W, h38km, 5km, ML3.5

ISCJB 10 08:07:18.2±0.7, 36.193±73.04W, h2km, 0.7, h3km, mb4.0/5, Error ellipse: s-maj=7.2km s-min=5.3km az=0.3

SJA 10 08:07:19.5±0.5, 35.705±73.92W, h2km, 32km, ML3.4, MW3.7

Table with columns: COCH, COCH, COCH, CCSP, CCSP, CCSP, CCHI, CCHI, CCHI, GO05, GO05, GO05, LREL, LREL, LREL, ROCI, ROCI, ROCI, FCH, FCH, FCH, AAGR, AAGR, AAGR, PLCA, PLCA, PLCA, ARCO, ARCO, ARCO, AUPS, AUPS, AUPS, RTLS, RTLS, RTLS, RVCV, RVCV, RVCV, ACAN, ACAN, ACAN, AMOG, AMOG, AMOG, VCHA, VCHA, VCHA, LPAZ, LPAZ, LPAZ, SIV, SIV, SIV, SNAA

Table with columns: TXAR, ULM

Table with columns: MEX 10 08:07:27.5±0.4, 15.13N, 93.45W, h53km, 9km, MD3.9, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res

MEX 10 08:09:54.9±0.4, 16.13N, 96.07W, h8km, 2km, MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res

MEX 10 08:15:37.1±0.6, 16.35N, 98.42W, h10km, 10km, MD3.9, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res

IDC 10 08:31:10.9±1.1, 37.75N, 140.03E, h0km, mb3.4/5, mb1 3.7/6, mb1mx3.4/72, mbtmp3.4/6, ML3.5/1, Error ellipse: s-maj=34.6km s-min=13.0km az=136.0

ISCJB 10 08:31:11.7±0.5, 37.79N, 140.03E, 0.04, h1.1km, 4km, mb3.4/5, Error ellipse: s-maj=4.9km s-min=4.5km az=140.5

JMA 10 08:31:12.0, 37.79N, 140.00E, h9km, 1km, M3.4 Broadband fault plane solution: P waves. NP1: φ±189.00000±; s54.00000±; λ95.00000±; NP2: φ±2.00000±; s36.00000±; λ84.00000±; Principal axes: T P18.00000±, Azm118.00000±; P P14.00000±, Azm7.00000±; P P19.00000±, Azm276.00000±

JMA 10 08:31:11.9±1.1, 37.78N, 140.04E, 0.03, h7km, 9km, ISC 10 08:31:11.9±1.1, 37.78N, 140.04E, 0.03, h7km, 9km, ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res

NIED 10 08:34:00, 36.90N, 141.50E, h5km, Mw4.3 Best double couple: M2.72000±10^15; NP1.9±9.00000±; s43.00000±; λ-117.00000±; NP2.φ±224.00000±; s63.00000±; λ-7.00000±

IDC 10 08:34:47.2±0.6, 36.92N, 141.29E, h0km, mb4.0/22, mb1 4.2/27, mb1mx4.0/76, mbtmp4.0/27, ML3.5/4, MS3.5/17, Ms1 3.5/17, ms1mx3.2/64, Error ellipse: s-maj=15.1km s-min=13.0km az=137.0

ISCJB 10 08:34:48.6±0.8, 36.90N, 141.40E, 0.04, h21km, 4km, mb4.3/54, MS3.7/18, Error ellipse: s-maj=5.8km s-min=4.2km az=24.5



Table with columns: Name, RA, Dec, Mag, Type, and other parameters. Includes entries like Paravola, Evrytania, Sarande, Kerkira, Valsamata, Anninata, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, and other parameters. Includes entries like FYTO Fytoko, Volos, GUR Gaura, etc.

Table with columns: Name, RA, Dec, Mag, Type, and other parameters. Includes entries like JAN Janina, MGNA Meganis, KASA Kassiope, etc.

Table with columns for station name, frequency, mode, and other parameters. Includes stations like XOR, PROD, NEQ, etc.

Table with columns for station name, frequency, mode, and other parameters. Includes stations like HAPS, HAPS, HAPS, etc.

Table with columns for station name, frequency, mode, and other parameters. Includes stations like KLMR, KLMR, ARU, etc.





10d 10h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GERES, PPT, TXAR, TKAL, LPAZ, SIV.

NEIC 10 09:52:56.3... Error ellipse: s-maj=13.2km s-min=8.7km az=117.0 WEL 10 09:52:56.0... IWC 10 09:52:58.7...

ISC 10 09:52:59.0... Kermadec Islands region

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations from Green Lake to FIAO.

2012 MAY

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HFS, AKASO, AKBB, BR10, BRTR, TORO, TOA1.

ISCJB 10 09:53:02.3... CSEM 10 09:53:02.3... ISK 10 09:53:02.4... DDA 10 09:53:03.0... ISC 10 09:53:05.0...

ISC 10 09:53:05.0... 0553/35, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations from YER to KORT.

ISK 10 09:59:13.2... ISCJB 10 09:59:14.7... CSEM 10 09:59:14.4... DDA 10 09:59:14.5... ISC 10 09:59:14.5...

ISC 10 09:59:14.5... 09:50/39, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations from VANB to SRTM.

ISC 10 10:04:55.0... ISCJB 10 10:04:59.2... DJA 10 10:05:00.7... ISC 10 10:05:00.9...

ISC 10 10:05:00.9... 0871/14, mb4.0/9, Southern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations from SANa to AKTO.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ISCJB, CMAR, DAV, WRA, ASAR, MKAR, KURBB, MJAR, AKTO, HNR, GERES, TXAR.

ISC 10 10:50:50.1... MOS 10 10:50:54.0... ISC 10 10:50:55.2...

ISC 10 10:50:55.2... Peninsular

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations from KOTR to SRTM.

ISC 10 10:50:55.2... ISC 10 10:50:55.2... ISC 10 10:50:55.2...

ISC 10 10:50:55.2... ISC 10 10:50:55.2... ISC 10 10:50:55.2...

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations from VANB to SRTM.

ISC 10 10:50:55.2... ISC 10 10:50:55.2... ISC 10 10:50:55.2...

ISC 10 10:50:55.2... ISC 10 10:50:55.2... ISC 10 10:50:55.2...

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations from APC to KZR.

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

ATA 10 10:57:12.8±0.8,38°96'N,43°64'E, h0km,6km,ML3.9, MW4.3

ISK 10 10:57:12.8,38°95'N,43°73'E, h5km,ML4.1/12 DDA 10 10:57:13.6,39°01'N,43°76'E, h7km,ML3.6

CSEM 10 10:57:14.7±0.2,38°99'N,43°65'E, h2km,ML3.6, Error ellipse: s-maj=4.8km s-min=3.3km az=147.0

IDC 10 10:57:17.6±2.9,40°00'N,46°18'E, h0km,mb3.5/2, mb1 3.4/6, mb1mx3.2/6.1, mbttmp3.2/6, ML2.6/3, MS3.0/8, Ms1 3.0/8, ms1mx2.7/4.3, Error ellipse: s-maj=3.4,6km s-min=1.7km az=150.0

ISC 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

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

GNI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

GNI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

HAKT 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

KARS 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

SRM 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

SRM 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

ECAT 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

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

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

MAZI 10 10:57:15.6±1.1,33°01'N,02°43'64E,0.02,h1km,8km, n115,±0160/142,MS2.9/7,10C-16D, Turkey

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

ISN 10 11:19:15.0±0.8,32°81'N,47°81'E, h16km,3km,ML3.2 TEH 10 11:19:17.2,32°88'N,47°71'E, h6km,ML3.2

CSEM 10 11:19:19.2±0.3,32°73'N,47°58'E, h15km,ML3.2, Error ellipse: s-maj=9.7km s-min=6.0km az=35.0

ISC 10 11:19:18.7±1.5,32°79'N,05°47'56E±0.05, h6km±1.3km, n21,±0871/14, Iran-Iraq border region

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

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

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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

NNC 10 10:57:40.6±2.6,51°59'N,76°16'E, h0km,mb3.4,mpv3.1, Error ellipse: s-maj=48.3km s-min=17.7km az=26.0, Suspected Mining explosion.

SOME 10 10:57:32.5,49.37N,76.25E, h0km,4C-2D, Eastern Kazakhstan

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

Code Station Name Az Az' Phase ID Time Res h m s ISC

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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

ISC 10 11:34:44±7.0,47.15S,151.19E, h104km,51km,mb3.7/3, mb1 3.9/4, mb1mx3.3/5, mbttmp4.1/4, Error ellipse: s-maj=85.1km s-min=46.9km az=130.0, New Britain region

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

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

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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

Code Station Name Az Az' Phase ID Time Res h m s ISC

DDA 10 11:13:20.8,34°40'N,32°52'E, h15km,ML3.2 CSEM 10 11:13:25.2±0.7,34°58'N,32°98'E, h8km,ML3.1, Error ellipse: s-maj=13.2km s-min=5.3km az=169.0

ISCJB 10 11:13:25.0±0.6,34°60'N,03°32'95E±0.05, h8km,4km, Error ellipse: s-maj=7.9km s-min=3.8km az=153.1

NIC 10 11:13:26.0±0.3,34°53'N,32°95'E, h13km,ML3.1 GII 10 11:13:27.6±0.0,34°53'N,32°95'E, h14E, h1km

ISK 10 11:13:29.7,34°93'N,33°07'E, h10km,ML2.7/3 ISK 10 11:13:26.6±0.9,34.70N,03.330E±0.03, h15km,5km, n42,±106/67, Cyprus region

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

DDA 10 11:50:06.9,39°35'N,25°83'E, h7km,ML2.8 ISK 10 11:50:08.5,39°40'N,25°98'E, h6km,ML2.6/13

CSEM 10 11:50:08.6±0.1,39°39'N,25°91'E, h10km,ML2.6, Error ellipse: s-maj=3.5km s-min=2.5km az=83.0 THE 10 11:50:08.9,39°41'N,25°87'E, h6km,2km,ML2.2/6, Error ellipse: s-maj=2.1km s-min=0.5km az=175.0

ISCJB 10 11:50:08.3±0.4,39°40'N,02°25'91E±0.03, h8km,3km,

10d 13h

Error ellipse: s-maj=3.6km s-min=2.6km az=177.1
ATH 10 11:50:08.7, 39.41N, 25.90E, h11km, 5km, ML2.3/6, Error ellipse: s-maj=5.7km s-min=0.8km az=163.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GPNR Gulpinar-Canak, SIGR SIGRI, PRK Paraskevi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ALN Alexandroupoli, BALB Balikesir, etc.

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

ISC/JB 10 13:00:07.4, 0.29, 75N, 0.04, 138.67E, 0.08, h450km, mb3.2/10, Error ellipse: s-maj=9.7km s-min=5.4km

ISC 10 13:00:08.0, 0.7, 29.76N, 138.82E, h454km, 12km, mb2.9/10, mb1.3/0.75, mb1mx2.9/73, mb1mx3.8/15, Error ellipse: s-maj=27.4km s-min=6.9km az=74.0

JMA 10 13:00:09.0, 1.1, 29.90N, 139.22E, h467km, M3.7

ISC 10 13:00:08.0, 0.7, 29.78N, 138.96E, 0.1, h450km, n25, r1946/33, mb3.3/10, Southeast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JHJ Hachijo jima 2, CBIJ Chichijima, JWC Wano, etc.

MEX 10 13:01:41.1, 1.0, 14.45N, 93.41W, h24km, 37km, MD3.7, Near coast of Chiapas

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

ISC 10 13:03:32.4, 18.0, 47.31N, 48.09E, h0km, Error ellipse: s-maj=168.7km s-min=139.6km az=14.0, Western Kazakhstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like I31KZ AKTYUBINSK INF, I43RU DUBNA INFRASON, I26DE FREYUNG INFRAS22.9, etc.

ISC/JB 10 13:23:32.8, 0.6, 50.70N, 0.06, 73.37E, 0.08, h0km, mb3.6/2, MS2.4/1, Error ellipse: s-maj=8.1km s-min=6.9km

ISC 13:23:34.7, 1.0, 50.85N, 73.54E, h0km, mb3.8, mpv3.5, Error ellipse: s-maj=8.7km s-min=8.1km az=177.0, Suspected Mining explosion

ISC 10 13:23:36.5, 0.7, 50.82N, 73.64E, h0km, mb3.3/2, mb1.3/4.8, mb1mx3.3/70, mb1mx3.8/ML2.9, MS2.5/1, Ms1.2.5/1, ms1mx1.9/41, Error ellipse: s-maj=10.6km s-min=7.8km az=25.0

ISC 10 13:23:34.8, 0.8, 50.81N, 0.06, 73.53E, 0.06, h0km, n21, r1945/16, 9C-5D, Central Kazakhstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OTUK Ortayuu, BVA0 Borovoye Array, BVAR Borovoye Array, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BVAR Kurchatov Arra, KURBB Kurchatov Arra, KURK Kurchatov, etc.

MEX 10 13:30:23.0, 0.5, 14.93N, 92.99W, h120km, 6km, MD3.8, Near coast of Chiapas

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

MEX 10 13:31:53.1, 0.6, 16.18N, 97.53W, h9km, 8km, MD3.9, Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PNIG Pinotepa, VHO Vista Hermosa, HUG Huatulco, etc.

ISC 10 13:41:49.0, 1.7, 17.47S, 176.70W, h0km, mb3.6/3, mb1.3/9.4, mb1mx3.5/54, mb1mx3.6/4, ML3.6/1, Fijji ellipse: s-maj=86.0km s-min=27.2km az=157.0, Fijji Islands region

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

MAN 10 13:51:42.5, 10.04N, 123.25E, h1km, mb4.3, ML3.1, MS2.9, 1C-10, Cebu

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

ISC 10 13:53:14.2, 2.7, 40.73N, 145.39E, h0km, mb3.4/3, mb1.3/5.5, mb1mx3.3/68, mb1mx3.3/5, ML3.3/2, MS3.0/2, Ms1.3/0.2, ms1mx2.2/37, Error ellipse: s-maj=70.4km s-min=26.3km az=73.0

JMA 10 13:53:15.6, 0.2, 40.73N, 145.39E, h70km, 4km, M3.4

ISC/JB 10 13:53:17.6, 1.3, 40.75N, 0.05, 145.17E, 0.08, h29km, n24, r1945/36, mb3.3/3, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JEM Erimo, JAK Akkeshi, JAK Churui, etc.

587

Table with columns: JOM, Ohasama, 3.24 248, P, Pn, 13 54 07.2 +0.7, etc.

IDC 10 13:55:13.6:1.7, 17.52Sx176.65W, h0km, mb3.9/4, mb1 4.1/4, mb1mx3.7/48, mbtmp4.0/4, Error ellipse: s-maj=51.2km s-min=36.8km az=123.0, Fiji Islands region

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

IDC 10 14:00:24.2:51.0, 18.42Sx176.24W, h0km, mb3.8/3, mb1 4.0/3, mb1mx3.6/45, mbtmp3.8/3, Error ellipse: s-maj=958.4km s-min=176.7km az=81.0, Fiji Islands region

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

IDC 10 14:06:25.6:1.3, 55.91Sx27.25W, h0km, mb4.1/2, mb1 4.0/3, mb1mx3.7/31, mbtmp3.9/3, ML3.1/1, Error ellipse: s-maj=49.2km s-min=34.7km az=58.0

NEIC 10 14:06:30.3:0.6, 65.30Sx17.19W, h33km, mb4.2/1, Error ellipse: s-maj=22.1km s-min=15.2km az=70.0

ISCJB 10 14:06:32.1:1.0, 56.0Sx0.1x27.2W, 0.3, h63km, mb4.2/3, Error ellipse: s-maj=27.7km s-min=19.1km az=164.5

ISC 10 14:06:33.9:0.9, 55.9Sx0.2x27.2W, 0.2, h63km, n13, az=93.7, mb4.2/3, South Sandwich Islands region

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

TRN 10 14:07:57.6, 14.93N-61.14W, h196km, MD3.5, Windward Islands

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

IDC 10 14:18:30.4:5.7, 20.87Sx178.66W, h0km, mb3.8/4, mb1 4.1/5, mb1mx3.8/44, mbtmp3.9/5, ML4.1/1, MS3.4/4, Ms1 3.4/4, ms1mx2.9/41, Error ellipse: s-maj=238.0km s-min=24.9km az=146.0, Fiji Islands region

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

CMAR Chiang Mai Arr 89.66 290 P P 14 31 31.7 +0.8

KRNET 10 14:30:33.9:0.1, 42.30Nx72.57E, h18km, mb2.8

SOME 10 14:30:33.7, 42.30N-72.60E, h5km

ISC 10 14:30:34.1:1.1, 42.31N-72.60E, 0.02, h4km, 9km, n42, az=84.75, 34C-27D, Kyrgyzstan

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

ISCJB 10 15:15:38.9:0.5, 31.97N-177.30W, h0km, mb3.4/2, mb1 3.8/3, mb1mx3.5/46, mbtmp3.6/3, ML3.9/1, Error ellipse: s-maj=67.4km s-min=48.0km az=89.0, Fiji Islands region

NEIC 10 15:15:38.8:1.3, 31.96N-177.30W, h7km, 11km, MN3.7, MN3.9, Error ellipse: s-maj=5.8km s-min=3.2km az=167.0

ISC 10 15:15:39.4:1.1, 32.05N-94.54W, h0km, mb3.9/3, mb1 4.0/8, mb1mx3.6/58, mbtmp3.8/8, ML3.7/5, MS3.2/7, Ms1 3.2/7, ms1mx2.8/55, Error ellipse: s-maj=27.2km s-min=8.8km az=160.0

ISC 10 15:15:39.9:0.5, 31.93N-177.30W, 0.03, h21km, 2km, n15, az=269.9, mb4.2/3, MS3.2/3, Louisiana-Texas border region

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

MDOK 2.2nm,0.6s Lg Lg 14 32 21.7

PDGK Podgornovo 4.1nm,0.4s 5.17 76 ll Lg 14 33 18.0

MAN 10 14:56:47.0, 9.61N-125.99E, h11km, mb4.6, ML3.4, MS3.3, 1C-1D, Mindanao

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

IDC 10 14:57:06.3:2.9, 19.60Sx177.30W, h0km, mb3.4/2, mb1 3.8/3, mb1mx3.5/46, mbtmp3.6/3, ML3.9/1, Error ellipse: s-maj=67.4km s-min=48.0km az=89.0, Fiji Islands region

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

ISCJB 10 15:15:38.9:0.5, 31.97N-177.30W, h0km, mb3.4/2, mb1 3.8/3, mb1mx3.5/46, mbtmp3.6/3, ML3.9/1, Error ellipse: s-maj=3.1km s-min=2.2km az=175.2

NEIC 10 15:15:38.8:1.3, 31.96N-177.30W, h7km, 11km, MN3.7, MN3.9, Error ellipse: s-maj=5.8km s-min=3.2km az=167.0

ISC 10 15:15:39.4:1.1, 32.05N-94.54W, h0km, mb3.9/3, mb1 4.0/8, mb1mx3.6/58, mbtmp3.8/8, ML3.7/5, MS3.2/7, Ms1 3.2/7, ms1mx2.8/55, Error ellipse: s-maj=27.2km s-min=8.8km az=160.0

ISC 10 15:15:39.9:0.5, 31.93N-177.30W, 0.03, h21km, 2km, n15, az=269.9, mb4.2/3, MS3.2/3, Louisiana-Texas border region

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

10d 15h

Table of station data for 10d 15h, including station ID, name, coordinates, and other parameters.

2010 MAY

Table of station data for 2010 MAY, including station ID, name, coordinates, and other parameters.

588

Table of station data for mb3.4/3, Error ellipse: s-maj=11.2km s-min=7.3km, including station ID, name, coordinates, and other parameters.

Table of station data for NEIC 10 15:26:47.8-0.0, 15:88N-94:08W, h77km, MD4.1 (MEX), After MEX, including station ID, name, coordinates, and other parameters.

Table of station data for KRSC 10 15:27:17.4-1.1, 53:33N-161:70E, h40km, 19km, ML3.7, Off east coast of Kamzhat Peninsula, including station ID, name, coordinates, and other parameters.

Table of station data for IDC 10 15:49:58.7-5.6, 20:01S-171:00E, h0km, mb4.0/3, mb1.4/1.4, mb1mx3.7/4.2, mbtmp4.0/4, Error ellipse: s-maj=133.6km s-min=64.3km az=136.0, Vanuatu Islands region, including station ID, name, coordinates, and other parameters.

IDC 10 15:19:28.2-2.6, 36:01N-141:05E, h0km, mb3.3/3, mb1.3/5.8, mb1mx3.2/6.6, mbtmp3.2/4, ML3.2/1, Error ellipse: s-maj=74.0km s-min=25.8km az=57.0, ISCJB 10 15:19:38.0-0.7, 35:68N-104:140, 18E:0.08, h72km, 5km,



Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include GUMO Guam, GUMO Alice Springs, GUMO WAKE ISLAND Hy 19.46, etc.

IDC 10 16:10:53.5:2.1, 16.963Sx179.03W, h511km, 29km, mb3.3/4, mbl 3.5/5, mb1mx3.0/50, mbtmp4.3/5, Error ellipses: s-maj=87.1km s-min=20.2km az=152.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include AFI Afiamalu, STKA Stephens Creek, WRA Warrungarra Arr, etc.

NEIC 10 16:15:27.9:0.1, 20.111Sx178.43W, mb4.6/189, Error ellipse: s-maj=4.9km s-min=3.0km az=131.0, IDC 10 16:15:29.8:1.3, 20.133Sx179.30W, h586km, 14km, mb3.9/29, mb1.4/0.31, mb1mx3.9/49, mbtmp4.8/31, Error ellipse: s-maj=11.5km s-min=9.3km az=122.0, ISCJB 10 16:15:29.6:0.5, 20.205Sx178.49W:0.0/3, h600km, 7m, mb4.6/217, Error ellipse: s-maj=5.4km s-min=4.4km az=44.3, BUJ 10 16:15:30.6, 19.855S:178.21W, h608km, mb4.6/28, mb4.6/15, WEL 10 16:15:31.0:1.6, 21.1Sx15.17W:4.8, h679km, 21km, MOS 10 16:15:32.0:2.2, 19.885S:178.59W, h604km, mb4.6/39, Error ellipse: s-maj=10.1km s-min=8.8km az=62.7, ISC 10 16:15:29.3:0.5, 20.155Sx178.30W:0.0/5, h599km, 5km, n456, e1929/486, mb4.6/217, 21D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include MSVF Nonsavu, AFI Afiamalu, WRA Warrungarra Arr, etc.

Table with columns: DCZ, Station Name, Time, Res, ISC. Rows include Deep Cove, WHZ Wether Hill Ro, EIDS Gidysvohi, etc.

Table with columns: UNV, Station Name, Time, Res, ISC. Rows include Unalaska Valle, AKUT Akutan, YSS Yuzh-Sakhalins, etc.



10d 16h

2012 MAY

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

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

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

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

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

KRSC 10 16:55:57.51.9, 48.94N, 157.09E, h7km, 36km, ML3.6, East of Kuril Islands

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

MEX 10 16:56:34.9.0.4, 14.33N, 93.39W, h49km, 76km, MD3.8, Near coast of Chiapas

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

ISCJB 10 17:01:08.0.6.0.3, 67.09N, 0.02, 20.97E, 0.06, h0km, Error ellipse: s-maj=3.6km s-min=3.0km az=151.1

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

ISC 10 17:01:09.0.1.6, 7.09N, 20.94E, h0km, ML2.2, ML1.9(UPP), Explosion

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

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SJUU, SJJU, TOF, HEF, etc.

IDL 10 17:06:02.6.0.9, 51.33N, 178.83E, h0km, mb3.5/12, mb1 3.7/12, mb1mx3.5/83, mbtmp3.5/12, Error ellipse: s-maj=26.0km s-min=18.2km az=165.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ILAR, KLR, H1N2, etc.

ASAR 0.4nm, 0.9s, baz=32, slow=6.1, SNR=3.3, 0.2nm, 0.9s, baz=24, slow=5.1, SNR=3.1

IDL 10 17:10:14.6.1.6, 39.23N, 20.84E, h0km, mb3.6/3, mb1 3.6/4, mb1mx3.2/60, mbtmp3.6/4, ML2.5/1, Error ellipse: s-maj=39.5km s-min=25.7km az=126.0

ISCJB 10 17:10:17.6.0.4, 39.21N, 0.02, 20.72E, 0.03, h2km, 4km, mb3.5/3, Error ellipse: s-maj=4.0km s-min=2.4km az=160.0

ATH 10 17:10:17.3, 39.20N, 20.79E, h17km, 3km, ML2.8/10, Error ellipse: s-maj=3.1km s-min=0.9km az=177.0

CSEM 10 17:10:18.0.0.2, 39.21N, 20.74E, h2km, ML2.8, Error ellipse: s-maj=5.5km s-min=2.6km az=76.0

ISC 10 17:10:18.0.0.9, 39.20N, 0.01, 20.74E, 0.02, h11km, 7km, n86, c1938/135, mb3.5/3, Greece-Albania border region

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

10d 17h

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

IDC 10 17:11:50.4:1.3, 37.26S:73.99W, h0km, mb3.9/9, mb1 3.9/11, mb1mx3.9/36, mbmp3.9/11, ML4.1/2, MS3.2/5, Ms1 3.2/5, ms1mx2.9/36, Error ellipse: s-maj=40.5km s-min=20.0km az=91.0

NEIC 10 17:11:52.1:0.6, 37.25S:73.91W, h10km, mb4.4/1, Error ellipse: s-maj=13.8km s-min=9.4km az=77.0

ISCJB 10 17:11:53.6:1.1, 37.33S:0.04:73.83W, h0km, mb3.9/10, MS3.1/3, Error ellipse: s-maj=12.3km s-min=6.0km az=177.0

GUC 10 17:11:56.9:0.6, 37.39S:73.53W, h26km, h4km, ML4.1

ISC 10 17:11:52.3:2.1, 37.32S:0.04:73.82W, h0km, mb1.12km, n31, c1522/36, mb4.1/10, MS3.2/3, 4C, Near coast of central Chile

Main table for 10d 17h with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like San Pedro de C, Cobquecura, Chillan, etc.

MAN 10 17:17:22.5:9.86N:123.11E, h17km, mb4.3, ML3.1, MS2.8, ID, Negros

Table for MAN 10 17:17:22.5:9.86N:123.11E, h17km, mb4.3, ML3.1, MS2.8, ID, Negros. Includes stations like Sibulan, Tagbilaran, etc.

MEX 10 17:17:52.6:0.4, 16.25N:98.35W, h15km, 4km, MD3.7, Near coast of Guerrero

Table for MEX 10 17:17:52.6:0.4, 16.25N:98.35W, h15km, 4km, MD3.7, Near coast of Guerrero. Includes stations like Pinotepa, Tlita, etc.

2012 MAY

PLIG Plataniillo 2.40 333 i P Pn 17 18 28.7 -2.8

JMA 10 17:20:50.8, 22.57N:122.75E, h4km, 1km, ML2.5, D

ISC 10 17:20:51.6:0.4, 22.53N:122.97E, h50km

ISC 10 17:20:48.6:1.6, 22.58N:122.89E:0.04, h10km, 11km, n51, c0563/81, Taiwan region

Table for Taiwan region with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Lutaao, Lan-yu, etc.

HATJ Hateruma jima 1.69 30 P S Pn 17 21 19.7 -0.2

EGFH Guangfu 1.73 309 eP Sg 17 21 21.1 +0.7

ECL Eclair 1.79 271 eP Pn 17 21 21.4 -0.1

ESL Shiin 1.81 313 eP Pn 17 21 21.7 -0.3

ELDTW Lidau 1.83 290 eP Sg 17 21 22.0 -0.2

YOJ Yonguni jima 1.88 3 eP Pn 17 21 24.7 +0.1

EAST Anshuo 1.89 264 eP Sg 17 21 23.2 -0.1

TWD Chiawan 1.91 322 eP Pn 17 21 23.7 +0.2

IRIF Iriomote-Funau 1.91 24 P S Pn 17 21 23.1 -0.5

JKRS Kuro-shima 1.95 32 P S Pn 17 21 23.3 -0.9

TSEB Hengchun, Pin 1.96 250 eP Sg 17 21 24.4 0.0

NACB Nanchiao 1.98 323 eP Pn 17 21 24.8 +0.1

TWKBT Hengchun 2.02 252 eP Pn 17 21 25.7 +0.3

STYT Tuiyuan 2.05 287 eP Pn 17 21 25.7 -0.3

EOS1 EOS1 2.08 341 eP Pn 17 21 26.9 +0.5

MASBT Mashibuluo 2.08 271 eP Sg 17 21 26.0 -0.5

SCZT Fanguiliu 2.10 265 eP Pn 17 21 26.4 -0.5

SLGT Luguji 2.11 282 eP Pn 17 21 26.9 -0.1

NANB Nanau 2.11 331 eP Sg 17 21 27.0 -0.1

JJJ Ishigaki jima 2.12 33 P Pn 17 21 25.6 +1.5

ENA Nanau 2.12 330 eP Sg 17 21 27.1 0.0

ALS Alishan 2.13 294 eP Pn 17 21 27.6 +0.1

SSLB Suilung 2.15 306 eP Sg 17 21 27.6 0.0

CHGB Hengchi 2.15 313 eP Pn 17 21 27.8 -0.1

WTP Ta-pu 2.20 288 eP Pn 17 21 28.7 +0.2

TPUB Ta-pu 2.20 289 eP Pn 17 21 28.6 +0.1

SMLT Sun Moon Lake 2.24 306 eP Pn 17 21 29.4 +0.2

CHN4 Tsauhsan 2.25 290 eP Pn 17 21 30.2 +0.9

CHN1 Nanshi 2.26 286 eP Pn 17 21 29.7 +0.2

CHN5 Tsauling 2.27 297 eP Pn 17 21 30.3 +0.5

THYS Yuchir 2.28 306 eP Pn 17 21 29.3 -0.6

NNSB Datong 2.30 323 eP Pn 17 21 29.8 -0.5

NNSB Guoxing 2.31 309 eP Pn 17 21 29.8 -0.6

TWK Hsiinying 2.31 288 eP Pn 17 21 31.5 +1.0

ENTT Nioudou 2.38 330 eP Pn 17 21 31.6 0.0

JISG Ishigakijimahi 2.39 33 P S Pn 17 21 28.7 +0.9

YHNB Yeheng 2.50 327 eP Pn 17 21 32.6 -1.0

YHNB Sanguang 2.51 326 eP Pn 17 21 33.5 -0.3

NWLT Wulai 2.53 330 eP Pn 17 21 34.0 -0.2

JTJ Tarama 2.64 39 S Pn 17 22 02.6 -0.8

LIOB Emei 2.68 321 eP Sg 17 21 35.9 -0.8

JIRB Irabujima 3.07 43 eS Sn 17 22 12.1 -1.8

DSN 10 17:22:58.9:2.0, 27.53N:57.77E, h15km, ML3.4/4, Error ellipse: s-maj=49.3km s-min=10.9km az=142.0

TEH 10 17:23:19.7, 28.11N:57.36E, h8km, ML3.3

592

ISC 10 17:22:53.6:3.0, 26.2N:0.1:58.8E:0.2, h10km, n11, c1834/13, Southern Iran

Table for Southern Iran with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Banah, Bandar-abas, etc.

KRNET 10 17:25:28.9:0.1, 41.54N:71.42E, h17km, mb3.6

NINC 10 17:25:29.8:0.7, 41.62N:71.45E, h0km, mb3.9, mpv3.8, Error ellipse: s-maj=8.4km s-min=4.1km az=152.0

SOME 10 17:25:29.1, 41.53N:71.42E, h5km

IDC 10 17:25:30.0:2.0, 41.63N:71.12E, h0km, mb3.7/2, mb1 3.5/7, mb1mx3.2/71, mbtmp3.4/7, ML3.1/5, Error ellipse: s-maj=25.7km s-min=19.8km az=167.0

ISC 10 17:25:29.2:1.1, 41.50N:0.03:71.43E:0.02, h8km, 8km, n62, c190/99, 40C-18D, Kyrgyzstan

Main table for 592 with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Arkit, Toktogul, IUG, etc.

DGS Degere 3.61 62 eP Pn 17 26 35.2 +1.9



10d 19h

DRGR	4.30	141	i/P	Pn	18	22	36.5	+1.4
SIRR	4.38	153	i/P	Pn	18	22	38.3	+2.1
KBA	4.76	231	eSg	Sg	18	24	00.2	-0.9
comp=N, 4.2nm, 0.6s								
KBA	4.76	231	Sg	Sg	18	24	00.2	-0.9
comp=N, 4.2nm, 0.6s								
BZS	4.97	156	i/P	Pn	18	22	45.3	+1.1
BUR	4.98	119	i/P	Pn	18	22	44.4	0.0

INMG 10 18:24:11.6±1.1, 36°60'N; 9°60'W, h21km, 4km, ML2.0, Error ellipse: s-maj=5.1km s-min=4.3km az=46.0  
IGIL 10 18:24:11.4, 36°11'N; 9°51'W, h17km, ML2.0  
MDD 10 18:24:11.2, 1.9, 36°58'N; 9°66'W, h50km, 3km, mb3.7/4, Error ellipse: s-maj=18.9km s-min=15.2km az=22.0, PPKIMO

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res		
					h m s	ISC		
PFVI	Vila Bisbo	0.81	53	Op	18	24	26.5	+0.8
17nm, 0.1s, SNR=18								
PFVI	Vila Bisbo	0.81	53	i/P	18	24	37.7	+1.0
44nm, 0.1s, SNR=23								
PFVI	Vila Bisbo	0.81	53	eS	18	24	26.5	+0.8
PFVI	Vila Bisbo	0.81	53	eS	18	24	37.7	+1.0
MORF	Marletele	1.03	50	eS	18	24	29.5	-0.2
MORF	Marletele	1.03	50	P	18	24	29.5	-0.2
MORF	Marletele	1.03	50	P	18	24	29.5	+0.8
MORF	Marletele	1.03	50	A	18	24	29.5	-0.2
MORF	Marletele	1.03	50	i/P	18	24	29.5	-0.2
MORF	Marletele	1.03	50	eS	18	24	29.5	+0.8
MORF	Marletele	1.03	50	A	18	24	29.5	-0.2
PTEO	Sao Teotonio	1.16	39	eS	18	24	31.5	-0.3
PTEO	Sao Teotonio	1.16	39	A	18	24	47.9	+0.1
PBDV	Barranco-do-Ve	1.49	66	eP	18	24	35.8	+0.8
PBDV	Barranco-do-Ve	1.49	66	A	18	24	53.4	-0.1
PBDV	Barranco-do-Ve	1.49	66	A	18	24	59.9	
PCVE	Castro Verde	1.61	52	ePn	18	24	37.8	+1.1
PCVE	Castro Verde	1.61	52	A	18	24	57.1	+0.7
PCVE	Castro Verde	1.61	52	A	18	24	59.0	
MESJ	Messejana	1.64	43	eP	18	24	38.1	+1.0
MESJ	Messejana	1.64	43	eS	18	24	57.6	+0.4
MESJ	Messejana	1.64	43	A	18	24	58.2	
MESJ	Messejana	1.64	43	P	18	24	38.1	+1.0
MESJ	Messejana	1.64	43	A	18	24	57.6	+0.4
PNCL	Nicolau / Gran	1.71	31	ePn	18	24	38.8	+0.8
PNCL	Nicolau / Gran	1.71	31	A	18	24	59.1	+0.3
PNCL	Nicolau / Gran	1.71	31	A	18	25	01.6	
PVAQ	Vaqueiros	1.71	63	ePn	18	24	38.8	+0.8
PVAQ	Vaqueiros	1.71	63	A	18	24	58.9	0.0
PVAQ	Vaqueiros	1.71	63	A	18	25	00.7	
EGRO	El Granado	1.94	62	P	18	24	41.8	+0.7
EGRO	El Granado	1.94	62	S	18	25	03.9	-0.5
PBEJ	Beja	1.97	45	eS	18	25	05.6	+0.3
PBEJ	Beja	1.97	45	A	18	25	06.8	
EVO	Evora	2.28	34	ePn	18	24	46.7	+0.8
EVO	Evora	2.28	34	A	18	25	12.8	-0.1
EVO	Evora	2.28	34	A	18	25	13.8	
PMAFR	Mafra	2.32	7	P	18	24	47.0	+0.6
PMAFR	Mafra	2.32	7	P	18	25	14.4	+0.4
PMAFR	Mafra	2.32	7	ePn	18	24	47.0	+0.6
PMAFR	Mafra	2.32	7	eS	18	25	14.3	+0.4
PMAFR	Mafra	2.32	7	A	18	25	17.3	
PBAR	Barrancos	2.57	53	ePn	18	24	50.6	+0.8
PBAR	Barrancos	2.57	53	A	18	25	20.0	-0.1
PBAR	Barrancos	2.57	53	A	18	25	21.7	
EMIN	Mina Concepcio	2.62	64	P	18	24	50.7	+0.2
EMIN	Mina Concepcio	2.62	64	S	18	25	20.9	-0.3
EMIN	Mina Concepcio	2.62	64	S	18	25	20.9	-0.3
ALMR	Almeirim	2.64	18	eS	18	25	22.1	+0.3
PMTG	Montargil	2.67	24	ePn	18	24	52.1	+1.0
PMTG	Montargil	2.67	24	eS	18	25	22.3	-0.1
PMTG	Montargil	2.67	24	A	18	25	24.4	
PESTR	Estremoz	2.75	36	ePn	18	24	52.7	+0.4
PESTR	Estremoz	2.75	36	eS	18	25	24.0	-0.4
PESTR	Estremoz	2.75	36	A	18	25	26.2	
EBAD	Badajoz	2.96	44	P	18	24	55.7	+0.5
EBAD	Badajoz	2.96	44	S	18	25	28.4	-1.3
PMRV	Marv??o	3.30	32	ePn	18	25	00.4	+0.6
PMRV	Marv??o	3.30	32	eS	18	25	36.6	-1.4
PMRV	Marv??o	3.30	32	A	18	25	39.0	
PCAS	Casmillo, Conde	3.52	14	eS	18	25	43.0	-0.4
PCAS	Casmillo, Conde	3.52	14	A	18	25	46.1	
PCBR	Castelo Branco	3.62	27	eS	18	25	45.1	-0.7
PCBR	Castelo Branco	3.62	27	A	18	25	47.4	
ECAB	El Cabril	3.65	66	P	18	25	05.2	+0.5
ECAB	El Cabril	3.65	66	S	18	25	44.6	-2.2
EADA	Adamuz	4.31	68	P	18	25	14.3	+0.6
EADA	Adamuz	4.31	68	S	18	25	59.9	-3.0
POLO	Lamas de Olo	4.94	16	ePn	18	25	23.0	+0.6
MVO	Moncorvo	4.95	23	eS	18	26	17.4	-1.4
MVO	Moncorvo	4.95	23	A	18	26	18.1	
PCAB	Cabril	5.21	13	ePn	18	25	26.7	+0.6
PCAB	Cabril	5.21	13	eS	18	26	23.7	-1.4
ELOB	Lobios	5.36	13	P	18	25	28.5	+0.3
ELOB	Lobios	5.36	13	S	18	26	25.9	-2.9
PGAV	Gavieira, Arco	5.42	11	ePn	18	25	29.6	+0.6

ISCJB 10 18:25:25.7±0.5, 39°06'N; 0°03'29''E; 0.07h, 7km, 4km, Error ellipse: s-maj=5.7km s-min=4.2km az=157.9  
CSEM 10 18:25:25.6±0.2, 39°11'N; 29°18'E, h2km, ML2.0, Error ellipse: s-maj=4.5km s-min=3.8km az=143.0  
DDA 10 18:25:25.0, 39°09'N; 29°16'E, h1km, ML2.0  
ISK 10 18:25:25.6, 39°10'N; 29°16'E, h5km, ML2.0/4  
ISC 10 18:25:26.1±0.9, 39°09'N; 0°03'29''E; 0.02h, 11km, 6km, n30, e#109/44, Turkey

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res		
					h m s	ISC		
SHAP	Saphane-Kutahy	0.07	150	Op	18	25	28.2	-0.4
SHAP	Saphane-Kutahy	0.07	150	Pg	18	25	28.2	-0.4
SIMA	Simav-Kutahya	0.15	268	Pg	18	25	28.7	-0.9
SIMA	Simav-Kutahya	0.15	268	Pg	18	25	28.7	-0.9
SMAA	Simav-Kutahya	0.15	275	Pg	18	25	30.5	+0.9
SMAA	Simav-Kutahya	0.15	275	Pg	18	25	30.5	+0.9
GEDZ	Gediz	0.19	103	eP	18	25	30.1	-0.6
GEDZ	Gediz	0.19	103	eP	18	25	30.1	-0.6
GDZ	Gediz	0.24	90	i/P	18	25	29.9	-1.2
GDZ	Gediz	0.24	90	i/S	18	25	33.9	-0.6
GDZ	Gediz	0.24	90	P	18	25	29.9	-1.2
GDZ	Gediz	0.24	90	S	18	25	33.9	-0.6
DEM1	Demirci	0.36	263	P	18	25	37.4	-0.7
DEM1	Demirci	0.36	263	Pg	18	25	37.4	-0.7

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Code	Station Name	Δ°	AZ°	Phase ID	Time	Res		
					h m s	ISC		
DEM1	Demirci	0.36	263	P	18	25	37.4	-0.7
DEM1	Demirci	0.36	263	Pg	18	25	37.4	-0.7
TEMSI	Tavsanli	0.42	32	Pg	18	25	32.8	-1.7
TEMSI	Tavsanli	0.42	32	Pg	18	25	32.8	-1.7
KULA	Kula-Manisa	0.70	215	eP	18	25	38.7	-0.9
KULA	Kula-Manisa	0.70	215	eP	18	25	38.7	-0.9
DURS	Dursunbey	0.75	314	i/P	18	25	39.8	-0.7
DURS	Dursunbey	0.75	314	i/S	18	25	54.0	0.0
DURS	Dursunbey	0.75	314	P	18	25	39.8	-0.7
KHAL	Karahalli	0.76	161	i/P	18	25	49.0	-0.5
KHAL	Karahalli	0.76	161	i/S	18	25	51.3	-0.4
KHAL	Karahalli	0.76	161	P	18	25	49.0	-0.5
MANT	Manisa	0.77	219	i/S	18	25	50.1	-0.9
MANT	Manisa	0.77	219	i/P	18	25	50.1	-0.9
CAVI	Cavuskoj	1.23	25	ePn	18	25	49.5	+0.3
CAVI	Cavuskoj	1.23	25	ePn	18	26	06.9	+1.1
CAVI	Cavuskoj	1.23	25	ePn	18	26	45.9	+0.3
BOVA	Eskisehir	1.27	51	eS	18	25	49.5	-0.9
BOVA	Eskisehir	1.27	51	eS	18	26	07.3	-0.3
BORA	Eskisehir	1.27	51	i/S	18	26	53.0	+3.2
BORA	Eskisehir	1.27	51	i/S	18	26	07.3	-0.3
BORA	Eskisehir	1.27	51	ePn	18	25	49.5	-0.9
BORA	Eskisehir	1.27	51	P	18	25	49.5	-0.9
BORA	Eskisehir	1.27	51	A	18	25	50.1	-0.9
BORA	Eskisehir	1.27	51	P	18	26	07.3	-0.3
ARMT	Armutlu	1.50	351	ePn	18	25	54.1	-0.7
ARMT	Armutlu	1.50	351	P	18	25	54.1	-0.7

BUI 10 19:11:18.6, 1°10'N; 126°28'E, h9km, mb5.0/67, mb4.9/49, Ms4.3/46, Ms7.4/46  
IDC 10 19:11:20.1, 1.0, 1.33N; 126°25'E, h0km, mb5.0/45, mb1.4/347, mb1mx3.6/54, mbtmp3.9/6, ML3.8/1, Error ellipse: s-maj=116.9km s-min=17.5km az=68.0, Northern Molucca Sea

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res		
					h m s	ISC		
FITZ	Fitzroy Crossi	19.96	179	Op	19	14	04.1	-0.2
WRA	Warramunga Arr	23.55	158	P	19	14	40.4	+0.3
ASAR	Alce Springs	26.85	162	P	19	15	12.7	-0.3
MKAR	Makanchi Array	58.16	327	P	19	19	26.6	+0.4
ZALV	Zalesovo Beam	61.48	334	P	19	19	48.3	-0.5
KURBB	Kuruvot Array	62.42	328	P	19	19	55.3	0.0

IDC 10 18:40:52.3±7.0, 17°32'S; 172°29'W, h0km, mb3.7/3, mb1.3/9/3, mb1mx3.6/48, mbtmp3.7/3, Error ellipse: s-maj=914.7km s-min=194.0km az=81.0, Tonga Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res		
					h m s	ISC		
STKA	Stephens Creek	44.04	242	Op	18	49	02.3	+0.3
WRA	Warramunga Arr	50.47	258	P	18	49	51.9	-0.6
ASAR	Alce Springs	50.56	253	P	18	49	53.0	0.0

NDI 10 18:42:17.7±2.9, 25°24'N; 93°79'E, h23km, 14km, ML2.6  
ISC 10 18:42:18.6±1.3, 25°19'N; 93°80'E; 0.06h, h55km, n10, e#68/11, Northeastern India

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res		
					h m s	ISC		
IMP	Imphal	0.36	159	eP	18	42	28.1	-0.8
IMP	Imphal	0.36	159	eS	18	42	35.0	-1.3
KOHI	KOHIMA	0.61	27	eS	18	42	31.8	+0.1
KOHI	KOHIMA	0.61	27	A	18	42	41.9	+0.7
KOHI	KOHIMA	0.61	27	A	18	42	43.7	
KOHI	KOHIMA	0.61	27	A	18	42	45.1	
MOKO	MOKOCHONG	1.31	29	eP	18	42	41.6	+0.8
MOKO	MOKOCHONG	1.31	29	eS	18	42	58.7	+1.4
MOKO								

Table with columns for call sign, name, frequency, power, mode, and other parameters. Rows include stations like CISI, MANU, SKJI, TPRI, TWG, GUMO, etc.

Table with columns for call sign, name, frequency, power, mode, and other parameters. Rows include stations like SRDT, PHIT, NANT, WHN, BSI, LAMP, GUYA, etc.

Table with columns for call sign, name, frequency, power, mode, and other parameters. Rows include stations like MJAR, MAJO, MAJO, MAJO, MAT, MJB, RKGY, CMSA, DL2, DL2, etc.



10d 19h

Table with columns: Station, Frequency, Bandwidth, Modulation, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like KLR, HIA, HIA, KOLN, DANN, etc.

2012 MAY

Table with columns: Station, Frequency, Bandwidth, Modulation, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like AAK, AAK, AAK, AAK, etc.

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Table with columns: Station, Frequency, Bandwidth, Modulation, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like LPSR, Galich'ya Gora, ILAR, etc.

MAN 10 19:22:53.7, 6.03N-123.88E, h82km, mb4.7, ML3.6, MS3.5, 1C-12D. Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res.

ISCJB 10 19:23:01.5, 1.3, 36:50N:0.05:141:12E:0:07, h9km, 7km, mb3.5/3. Error ellipse: s-maj=8.0km s-min=8.0km az=25.7 JMA 10 19:23:04.3, 36:53N:140.9E, h10km, 1km, MS3.5 IDC 10 19:23:08.6, 5.0, 36:54N:141:01E, h60km, 38km, mb3.1/3, mb1.3/4.5, mb1mx3.0/67, mbtmp3.5/5, ML3.0/2, Error

*ellipse: s-maj=42.8km s-min=12.0km az=59.0*  
**ISC 10 19:23:00.9:1.8,36.41N;104.96E:0.07,h1km,15km,**  
**n17,-0.993/18,mb3.5/3,Near east coast of eastern**

Code	Station Name	$\Delta^\circ$	$AZ^\circ$	Phase ID	Time	Res
				ISC	h m s	ISC
JHO	Hitachi	0.38	303	Op	19 23 10.9	+0.5
JHO				Sb	19 23 15.7	-1.0
JYT	Yasato	0.64	254	P	19 23 17.2	+0.1
JYT				S	19 23 26.6	-1.3
ONAJ	Iwakimizuishi	0.71	349	P	19 23 15.5	-0.5
ONAJ				Sg	19 23 24.0	+0.3
JFK	Kawauchi	0.96	356	P	19 23 19.1	-0.3
JFK	Shiboa	1.01	304	S	19 23 27.2	+0.2
JSB				Sb	19 23 35.2	+0.3
MJAR	Matsushiro Arr	2.22	274	P	19 23 41.4	-0.4
MJAR				S	19 24 10.4	+0.6
MAT	Matsushiro	2.22	274	P	19 23 41.2	-0.7
MAT				S	19 24 11.1	+1.2
JHJ	Hachijo jima 2	3.42	197	P	19 24 02.9	+0.7
JHJ				Sb	19 24 42.4	-1.8
H1N2	WAKE ISLAND Hy 28.15 119			T	19 58 24.3	
H1N1	WAKE ISLAND Hy 28.16 119			T	19 58 24.9	
H1N3	WAKE ISLAND Hy 28.17 119			T	19 58 25.7	
H1S1	WAKE ISLAND Hy 28.83 121			T	19 59 10.7	
H1S3	WAKE ISLAND Hy 28.83 121			T	19 59 13.7	
H1S2	WAKE ISLAND Hy 28.85 121			T	19 59 15.1	
KURBB	Kurchatov Arra	46.10	308	P	19 31 26.2	-0.2
WRA	Warramunga Arr	56.39	187	P	19 32 45.3	+1.5
ASAR	Alice Springs	60.12	187	P	19 33 10.1	+0.2

**MEX 10 19:26:13.0:0.8,14.30N;92.69W,h46km,91km,MD3.8,**  
**Near coast of Chiapas**

Code	Station Name	$\Delta^\circ$	$AZ^\circ$	Phase ID	Time	Res
				ISC	h m s	ISC
PCIG		1.48	340	Op	19 26 36.0	-1.2
PCIG				eS	19 26 52.9	-2.6
CCIG	Comitan	2.04	15	eP	19 26 43.2	-1.9
CCIG				s	19 27 06.9	-2.5

**DJA 10 19:37:50.2:0.4,0°S;4°12'E;h57km,18km,M3.6/9,**  
**MLV3.6/9,Minahasa Peninsula, Sulawesi**

Code	Station Name	$\Delta^\circ$	$AZ^\circ$	Phase ID	Time	Res
				ISC	h m s	ISC
KMSI	Cibinong	0.92	4	P	19 38 07.8	+0.7
LUWI	Luwuk	1.33	239	P	19 38 12.4	-0.1
LUWI				S	19 38 30.0	+0.7
MRSI	Marisa	2.13	293	P	19 38 23.5	0.0
MRSI				S	19 38 47.4	-1.4
APSI	Ampana	2.33	256	P	19 38 26.5	+0.4
APSI				S	19 38 54.0	+0.4
SANI	Sanana	2.68	129	P	19 38 29.7	-1.2
LBMI	Labuata	3.60	95	P	19 38 43.9	+0.2
MPSI	Mapaga	4.07	280	P	19 38 50.6	+0.6
PCI	Palu	4.11	262	P	19 38 51.7	+1.2
PCI				S	19 39 37.4	0.0
TTSI	Tana Toraja	4.89	237	P	19 39 00.8	-0.4

**IDC 10 19:59:06.6:5.5,5°37'S;151°23'E,h89km,47km,mb3.4/4,**  
**mb1.3/7.5,mb1mx3.2/5.3,mbtp3.7/5,ML1.4/1,Error**  
*ellipse: s-maj=103.9km s-min=31.1km az=132.0*

**ISC 10 19:59:06.2:2.3,5.3S;0.7°151E;0.8,h65km,n6,0.6/59/7,**  
**mb3.5/4,New Britain region**

Code	Station Name	$\Delta^\circ$	$AZ^\circ$	Phase ID	Time	Res
				ISC	h m s	ISC
PMG	Port Moresby	5.74	224	Op	20 00 29.4	+0.6
PMG				S	20 01 33.1	-0.2
WRA	Warramunga Arr	21.95	227	P	20 03 53.8	-0.9
ASAR	Alice Springs	24.74	221	P	20 04 20.1	+0.5
FITZ	Fitzroy Crossi	28.04	241	P	20 04 51.6	+0.1
ILAR	Eilson Array	83.20	22	P	20 11 25.0	-0.1
TORD	Tordi Arr. Bea	148.93	287	PKPbc	20 18 48.0	+0.2

**NIED 10 20:04:00.24°90N;122°00E,h5km,Mvw4.0 Best double**  
**couple: M1.11000;1.015° NP1.95;59.00000°;839.00000°,**  
 *$\lambda$ -83.00000°; NP2.9;230.00000°;851.00000°;*  
 *$\lambda$ -95.00000°.*

**TAP 10 20:04:22.8,24°88N;122°01E,h10km,ML3.9,B**

**JMA 10 20:04:23.0:0.1,24°87N;121°96E,h39km,ML3.6**

**IDC 10 20:04:23.0:0.9,24°62N;121°66E,h0km,mb3.5/7,**  
**mb1.3/7.8,mb1mx3.4/7.2,mbtp3.5/8,MS3.1/14,**  
**Ms1.3/14,ms1mx2.8/5.2,Error ellipse: s-maj=29.9km**  
*s-min=19.0km az=78.0*

**ISC 10 20:04:23.0:0.8,24°38N;102°12E;0.02,h9km,5km,**  
**n123,018°12'14.1,mb3.5/7,MS3.1/10,27C-7D,Taiwan**  
**region**

Code	Station Name	$\Delta^\circ$	$AZ^\circ$	Phase ID	Time	Res
				ISC	h m s	ISC
EGS		0.09	247	Op	20 04 25.6	+0.3
EGS				s	20 04 27.2	+0.2
TWB1	Santiao Chiao	0.13	348	iP	20 04 26.2	+0.2
TWB1				s	20 04 28.4	+0.3
NTC	Toucheng	0.17	262	P	20 04 27.1	+0.4
NTC				eS	20 04 29.8	+0.6
ILA	Ilan	0.27	245	eP	20 04 28.9	-1.1
NWF	Wu-fen Shan	0.29	311	iP	20 04 29.5	-0.9
NWF				eS	20 04 34.4	-1.0
WFSB	Wu-fen Shan	0.29	311	iP	20 04 29.5	-0.9
WFSB				s	20 04 34.7	-0.6
TWC	Suao	0.31	210	P	20 04 29.1	-0.1
TWC				eS	20 04 32.9	-0.5
EOS1	EOS1	0.34	163	iP	20 04 30.3	-0.9
EOS1				eS	20 04 35.4	+1.0
TWE	Neicheng	0.36	244	iP	20 04 30.1	-1.5
TWE				eS	20 04 34.9	+0.1
YM07	YM07	0.47	309	iP	20 04 32.1	-1.3
ENTT	Nioudou	0.48	240	iP	20 04 32.1	-1.4
NWLT	Wulai	0.48	258	iP	20 04 32.4	-1.3
NWLT				eS	20 04 39.0	-1.8
TAP	Taipei	0.49	289	iP	20 04 33.8	0.0
TAT	Taipei	0.49	281	iP	20 04 33.1	-0.7
TATO				eS	20 04 39.4	-1.7

YM11	YM11	0.49	305	iP	Pb	20 04 33.6	-0.3
YM08	YM08	0.50	308 <td>iP</td> <th>Pb</th> <td>20 04 33.4</td> <td>-0.5</td>	iP	Pb	20 04 33.4	-0.5
YM10	YM10	0.50	304 <td>iP</td> <th>Pb</th> <td>20 04 33.6</td> <td>-0.4</td>	iP	Pb	20 04 33.6	-0.4
YM12	YM12	0.51	306 <td>iP</td> <th>Pb</th> <td>20 04 33.7</td> <td>-0.4</td>	iP	Pb	20 04 33.7	-0.4
NANB	Nanao	0.51	209	eP	Pg	20 04 32.7	-0.3
NANB				eS	Pg	20 04 39.9	+0.2
ENA	Nanao	0.52	209	iP	Pg	20 04 32.7	-0.3
YM04	YM04	0.52	302	iP	Pb	20 04 34.0	-0.3
YM04				eS	Sb	20 04 41.2	-0.7
TWY	Chenhuo	0.55	316	iP	Pg	20 04 34.7	-0.1
NTST	Danshui	0.59	299	eP	Pn	20 04 35.8	-1.8
YHNB	Yeheng	0.62	250	iP	Pb	20 04 34.7	-1.4
YHNB				s	Sb	20 04 43.6	-1.3
NKS	Sanguang	0.63	252	iP	Pg	20 04 34.9	-1.4
NNS	Nan Shan	0.73	233	eP	Pg	20 04 36.6	-0.6
NNS				eS	Sb	20 04 46.9	-1.3
NNSB	Datong	0.73	232	iP	Pg	20 04 36.6	-0.6
NCU	National Cent	0.76	277	P	Pn	20 04 39.1	-0.8
NCU				s	Sb	20 04 50.0	-1.5
NCUH	Zhongli	0.76	277	iP	Pn	20 04 39.2	-0.7
NCUH				eS	Sb	20 04 50.6	-1.0
NACB	Ninganchiao	0.80	209	iP	Pg	20 04 37.8	-0.7
NACB				s	Sb	20 04 49.3	-0.8
TWD	Chiawan	0.88	206	eP	Pg	20 04 39.6	-0.4
TWD				eS	Sg	20 04 50.7	-0.9
LIOB	Emei	0.94	256	eP	Pb	20 04 41.0	-0.5
SBCB	Hsinchu	0.94	265	P	Pn	20 04 42.4	0.0
SBCB				eS	Sb	20 04 55.6	-0.4
YJNG	Yonangijimaku	0.94	117	P	Pg	20 04 40.8	-0.4
YJNG				eS	Sg	20 04 52.7	-0.8
HSN	Hsinchu	0.96	266	P	Pn	20 04 41.9	-0.7
HSN				s	Sb	20 04 54.9	-1.4
NSST	Nanjuang	0.96	255	eP	Pn	20 04 41.7	-0.9
NSST				eS	Sb	20 04 55.9	-0.4
HWA	Hwaiien	0.97	203	eP	Pn	20 04 42.7	-0.2
YOJ	Yonaguni jima	0.99	115	iP	Pg	20 04 41.4	-0.7
YOJ				eS	Sg	20 04 55.1	-0.1
YOJ	Yonaguni jima	0.99	115	P	Pg	20 04 41.3	-0.8
YOJ				eS	Pg	20 04 54.9	-0.2
TDCC	Techi	1.00	232	eP	Pb	20 04 42.3	-0.3
ENLB	Shouteng	1.04	201	eP	Pn	20 04 43.5	-0.3
CHGB	Renai	1.12	224	eP	Pb	20 04 44.1	-0.6
NMLH	Miaoli	1.17	253	eP	Pn	20 04 46.5	+0.9
NMLH				eS	Sb	20 05 02.8	+1.2
ESL	Shilin	1.19	207	eP	Pg	20 04 44.9	-1.0
TWQ1	Liyuan	1.25	245	eP	Pn	20 04 47.2	+0.5
TWQ1				eS	Sb	20 05 05.4	+1.7
DPDB	Guoxing	1.30	230	eP	Pg	20 04 48.4	+0.3
EGFH	Guangfu	1.32	204	eP	Pg	20 04 48.1	-0.2
SMLT	Sun Moon Lake	1.42	226	iP	Pg	20 04 49.9	-0.4
TCU	Taichung	1.42	240	eP	Pg	20 04 50.8	+0.5
TYC	Yuchi	1.44	228	eP	Pg	20 04 50.1	-0.5
SSLB	Suanglung	1.46	222	eP	Pb	20 04 49.6	-0.7
HGSD	Ruisui	1.48	202	eP	Pg	20 04 50.9	-0.7
EHY	Hungye	1.51	205	eP	Pb	20 04 50.4	-0.7
WNT	Mingjian	1.57	231	eP	Pg	20 04 54.0	+0.8
WJS	Zhusuan	1.58	228	eP	Pn	20 04 54.4	+1.1
YULB	Yu-li	1.62	204	eP	Pn	20 04 52.0	+0.3
IRIF	Iriomote-Funau	1.65	109	P	Pn	20 04 50.5	-1.6
TRWF1	Yuli	1.66	204	eP	Pb	20 04 53.1	-0.6
ALS	Alishan	1.76	219	eP	Pb	20 04 50.6	-0.8
CHNS	Tsauling	1.77	224	iP	Pg	20 04 57.1	+0.2
CHNS				eS	Sg	20 05 21.1	+1.2
WGK	Gukeng	1.78	229	eP	Pg	20 04 57.2	-0.1
WDLH	Douliu	1.80	2				

10d 21h

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

SJA 10 20:30:23.9, 0.5, 33.00S-68.10W, h10km, ML3.2, MW3.7, Mendoza Province

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

IDC 10 20:33:37.0, 3.1, 17.10S-175.10W, h158km, 2.7km, mb3.5/4, mb1 3.8/5, mb1mx3.4/4.8, mbtmp4.1/5, Error ellipse: s-maj=119.4km s-min=19.5km az=141.0, Tonga Islands

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

ISCBJ 10 20:44:10.7, 0.5, 21.27S-0.04, 68.73W, 0.10, h122km, 8km, mb3.5/2, Error ellipse: s-maj=15.1km s-min=5.9km az=0.4

GUC 10 20:44:11.3, 0.8, 21.25S-68.89W, h122km, 4km, ML3.7

IDC 10 20:44:13.6, 2.8, 21.23S-68.38W, h124km, 28km, mb3.4/2, mb1 3.4/6, mb1mx3.2/4.1, mbtmp3.7/6, Error ellipse: s-maj=42.9km s-min=21.7km az=94.0

ISC 10 20:44:10.8, 0.8, 21.26S-0.04, 68.64W, 0.08, h113km, 1.1km, n17, r193527, 8C-1D, Chile-Bolivia border region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PB09, PB10, PB04, etc.

MAN 10 20:48:50.5, 9.74N-123.01E, h47km, mb4.1, ML2.9, MS2.5, 1C, Negros

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

GUC 10 20:49:33.8, 0.8, 24.10S-67.47W, h246km, 12km, ML3.7, 3C, Chile-Argentina border region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PB15, G002, etc.

2012 MAY

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PB09, PB10, PB04, etc.

DDA 10 20:56:06.3, 35.41N-32.39E, h38km, ML3.2, ISK 10 20:56:06.5, 35.26N-32.34E, h31km, ML3.1/8, CSEM 10 20:56:07.5, 0.3, 35.27N-32.34E, h30km, ML3.3, Error ellipse: s-maj=7.0km s-min=4.4km az=76.0

NIC 10 20:56:07.2, 0.1, 35.37N-32.27E, h25km, ML3.3

IDC 10 20:56:04.3, 1.3, 35.40N-0.02, 32.29E, 0.03, h1km, 11km, n42, r1514/68, Cyprus region

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

ISCBJ 10 21:14:30.0, 0.5, 35.63N-0.02, 96.81W, 0.02, h11km, 4km, mb2.9/1, MS3.2/2, Error ellipse: s-maj=2.9km s-min=2.4km az=169.0

NEIC 10 21:14:31.0, 0.0, 35.51N-96.78W, h5km, mb3.7/1, MW3.8, ML3.7(TUL), Moment Tensor Solution. s24 Moment tensor: Scale 10^14Nm; Mrr-1.15; Mtheta5.98; Mphi-4.83; Mx1-3.0; Mx2-1.5; Mx3-3.4; Best double couple: Mxx0.0000x10^14 NPa; Mxy0.0000; Mxz0.0000; Mxy-1.33, 0.0000; N1P2=56.0000; s58, 0.0000; lambda-168, 0.0000; Principal axes: T 6.6300, P1g14, 0.0000; Az=12, 0.0000; N 0.2900, P1g56, 0.0000; Azm124, 0.0000; P -6.9200, P1g30, 0.0000; Azm273, 0.0000; After TUL

NEIC Felt [IV] at Meeker, [III] at Prague and [II] at Oklahoma City and Shawnee. Felt in much of central Oklahoma.

IDC 10 21:14:31.6, 1.0, 35.62N-96.74W, h0km, mb3.1/1, mb1 3.9/6, mb1mx3.4/69, mbtmp3.6/6, ML3.6/5, MS3.2/6, Ms1 3.2/6, ms1mx2.8/24 Error ellipse: s-maj=14.4km s-min=1.2km az=155.0

ISC 10 21:14:31.5, 1.2, 35.57N-0.04, 96.72W, 0.03, h6km, 9km, n216, r1957/237, Oklahoma

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like OK002, WMOK, etc.

598

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like S38A, T39A, V40A, etc.

Table with columns: Code, Station Name, Az, El, AzE, ElE, Res, Time, Res ISC. Includes stations like M37A Trindle Farm, S44A Carbonate, SIUC Southern Illin, etc.

Table with columns: Code, Station Name, Az, El, AzE, ElE, Res, Time, Res ISC. Includes stations like E36A McGregor, G42A Mountain, G42A Mountain, etc.

Table with columns: Code, Station Name, Az, El, AzE, ElE, Res, Time, Res ISC. Includes stations like mb1 3.7/8, mb1mx3.7/1, mbtmp3.5/8, etc.



Table with columns: MNAS, Manas, 68nm, 0.3s, 2.60 64, etc. Includes stations like Manas, Arslanbob, Mierka, etc.

MEX 10 22:25:47.0, 1.0, 15.23N, 92.96W, h42km, 29km, MD3.6, Mexico-Guatemala border region. Includes stations like Comitan, etc.

NIED 10 22:31:00, 37.00N, 141.70E, h68km, Mw3.8. Includes stations like Merke, etc.

JMA 10 22:31:53.6, 0.1, 36.99N, 141.70E, h6km, 3km, M3.6. Includes stations like JFT, etc.

ISCJ 10 22:31:51.7, 1.0, 36.95N, 141.82E, 10.10, h63km, 10km, mb3.4/3, Error ellipse: s-maj=13.1km. Includes stations like JFT, etc.

ISC 10 22:31:51.6, 1.8, 36.95N, 141.91E, 0.1, h47km, 18km, n21, c=1304/25, mb3.5/3, Near east coast of eastern Honshu. Includes stations like ONAJ, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like Iwaki, Kawauchi, Hitachi, etc.

GUC 10 22:36:10.9, 6.2, 20.35S, 69.03W, h102km, 3km, ML3.6, 2C, Northern Chile. Includes stations like IPOC, etc.

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

ISCJ 10 22:40:28.2, 0.5, 41.29N, 141.02, 25.69E, 0.02, h6km, 3km, Error ellipse: s-maj=3.7km s-min=2.4km az=32.7. Includes stations like IPOC, etc.

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

Main table with columns: RDO, RDO, RDO, etc. Includes stations like Rodhopi, Alexandroupoli, etc.

Table with columns: KAVV, DURS, DURS, etc. Includes stations like Kandilli-Istan, Dursunbey, etc.

IDC 10 22:44:58.6, 2.1, 1.74N, 126.60E, h0km, mb3.2/3, mb1.3/4/3, mb1mx3.2/5, mbtmp3.2/3, Error ellipse: s-maj=188.9km s-min=24.8km az=66.0, Northern Molucca Sea. Includes stations like WRA, ASAR, etc.

WRA Warramunga Arr 22.84 161 P, ASAR Alice Springs 26.23 165 P, MKAR Makranjanchi Arr 59.12 326 P. Includes stations like WRA, ASAR, etc.

DDA 10 22:50:49.2, 4.0, 35N, 45.21E, h6km, Md2.8. Includes stations like DGRG, etc.

ISC 10 22:50:52.9, 4.6, 40.5N, 0.3, 45.0E, 0.2, h10km, n3, c=244/6, Eastern Caucasus. Includes stations like DGRG, etc.

CSEM 10 22:55:47.9, 0.2, 39.08N, 29.09E, h2km, ML2.1. Includes stations like SIMA, etc.

DDA 10 22:55:47.3, 39.07N, 29.10E, h7km, ML2.5. Includes stations like SIMA, etc.

ISC 10 22:55:47.0, 9.3, 39.07N, 0.03, 29.09E, 0.02, h6km, 7km, n28, c=444/4, Turkey. Includes stations like SIMA, etc.

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

ISCJ 10 23:05:35.0, 0.5, 37.65N, 0.03, 26.78E, 0.04, h4km, 5km, Error ellipse: s-maj=5.3km s-min=3.7km az=144.3. Includes stations like SMG, etc.

DDA 10 23:05:34.5, 37.65N, 26.78E, h7km, ML2.8. Includes stations like SMG, etc.

ISC 10 23:05:34.3, 37.66N, 26.78E, h13km, ML2.8/4. Includes stations like SMG, etc.

CSEM 10 23:05:35.2, 0.2, 37.64N, 26.79E, h5km, ML2.0, Error ellipse: s-maj=3.6km s-min=1.2km az=103.0. Includes stations like SMG, etc.

ATH 10 23:05:35.3, 37.65N, 26.81E, h8km, 2km, ML2.0/2, Error ellipse: s-maj=3.6km s-min=1.2km az=103.0. Includes stations like SMG, etc.

ISC 10 23:05:35.2, 0.9, 37.65N, 0.02, 26.78E, 0.02, h8km, 6km, n41, c=51/62, Dodecanese Islands. Includes stations like SMG, etc.

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



Table with columns: CHOS, Chios island, 0.93 322, P, Pg, 23 05 52.9 -0.2, 23 06 06.2 0.0, 23 06 08.9. Includes various station codes and times.

10C 10 23:45:43.8,2.3, 6.18S; 130.46E, h138km,20km, mb3.7/7, mb1 4.0/10, mb1mx3.5/5.3, mbtmp4.3/10, Error ellipse: s-maj=31.7km s-min=16.2km az=71.0

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

Table with columns: TUMR, Tumrok, 6.88 33, eP, Pn, 23 51 32.9 +1.3, 23 51 31.9 +0.3, 23 52 46.1 -4.9. Includes various station codes and times.

TEH 10 23:15:00.2, 29.95N-50.73E, h10km, ML2.8, ISCBJ 10 23:15:01.3,0.5, 29.81N,0.04,50.60E,0.06, h22km, Error ellipse: s-maj=8.8km s-min=4.7km az=35.4

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

ISC 10 23:15:02.0, 1.1, 29.80N,0.06,50.68E,0.07, h22km, n17, r1619, Southern Iran

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

MA2 Magadan, 10.04 352, eP, Pn, 23 52 12.5 +1.2, MA3 Makdur, 14.21 276, P, Pn, 23 53 01.4 -1.7

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

10C 10 23:15:08.2, 4.0, 11.078S; 113.93E, h0km, mb3.5/4, mb1 3.8/4, mb1mx3.4/5.2, mbtmp3.5/4, MS2.5/1, Ms1 2.5/1, ms1mx2.1/3.3, Error ellipse: s-maj=131.0km s-min=23.0km az=46.0

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

MOS 10 23:49:50.8,0.9, 49.61N; 153.48E, h239km, mb3.9/1, Error ellipse: s-maj=17.0km s-min=4.3km az=64.0

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

10C 10 23:58:46.8, 9.9, 23.49S; 177.59W, h0km, mb3.8/3, mb1 4.0/3, mb1mx3.7/4.4, mbtmp3.8/3, Error ellipse: s-maj=306.8km s-min=105.4km az=140.0, South of Fiji Islands

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

NEIC 10 23:22:40.5, 0.0, 6.183N; 100.08W, h3km, MD4.0(MEX), After MEX, MEX 10 23:22:40.5, 0.0, 6.183N; 100.08W, h3km, 5km, MD4.0, Near coast of Guerrero

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

ISC 10 23:45:42.4, 0.3, 6.27S; 103.03; 130.56E, 0.06, h150km, mb4.1/10, Error ellipse: s-maj=8.7km s-min=4.6km az=168.4

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

NIC 11 00:14:00.39, 00N; 142.30E, h53km, Mw3.9 Best double couple: M7.5200x1014 N1p15e61.00000, S44.00000, 1.145.00000, NP2p178.00000, S66.00000, S152.00000

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

ISC 10 23:45:43.3, 0.4, 6.5S; 4.13; 1E, h150km, 14km, M4.7/13, mb4.5/7, mb5.4/5, MLV4.6/13, Mw(mb)4.9/5

ISC 11 00:14:53.6, 1.7, 38.99N; 0.05; 142.4E, 0.1, h48km, 14km, n33, r168/36, mb3.9/11, Near east coast of eastern Honshu

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ICHINOSEKI, OURI, OHASAMA, TANOHATA, OKURA, NANGO, KANEYAMA, MATSUSHIRO ARR, etc.

TIR 11 00:35:54.5, 39.19N, 20.76E, h1km, MD3.3/4
ISC 11 00:35:56.4, 5.392N, 0.03, 20.9E, 0.2, h11km, n6, c1951/9,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SARANDE, KORCA, BITOLA, OHRID, KRUSOVO, UDBINA, ADABI.

IDC 11 00:36:57.9, 17.0, 21.64S, 174.82W, h0km, mb4.3/5,
mb1 4.4/5, mb1mx3.9/43, mbtmp4.3/5, Error ellipse:
s-maj=326.5km, s-min=146.6km az=81.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AFIAMALU, RAROTONGA, SOUTH KARORI, etc.

IDC 11 00:37:02.0, 8.21N, 174.7W, 0.1, h35km, n11,
c0559/11, mb4.3/8, Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WARRAMUNGA ARR, FITZROY CROSSI, CASEY, etc.

ISC/JB 11 00:46:32.7, 1.0, 2.03, 10S, 0.06, 27.47E, 0.06, h10km, Error
ellipse: s-maj=10.6km s-min=5.6km az=138.3

PRE 11 00:46:32.4, 1.4, 23.04S, 27.41E, h5km, ML3.0
ISC 11 00:46:30.0, 0.9, 23.03S, 0.04, 27.42E, 0.06, h10km, n14,
c2529/25, South Africa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MESSINA, LOBATSE, SILVERTON, KOSTER, BULAWAYO, etc.

NEIC 11 00:58:20.7, 0.6, 16.33N, 98.33W, h3km, MD4.2 (MEX),
After MEX
MEX 11 00:58:20.7, 0.6, 16.33N, 98.33W, h3km, 5km, MD4.2, Near
coast of Guerrero

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

IDC 11 00:52:01.1, 1.0, 6.3, 0.05S, 129.39E, h0km, mb2.1/4,
mb1 4.4/17, mb1mx4.1/65, mbtmp4.3/17, ML4.5/3, MS3.3/9,
Ms1 3.4/9, ms1mx3.0/51, Error ellipse: s-maj=24.8km
s-min=13.4km az=68.0

ISC/JB 11 00:52:03.7, 0.3, 3.04S, 0.03, 129.48E, 0.04, h28km,
mb4.4/19, MS3.2/6, Error ellipse: s-maj=5.4km
s-min=4.6km az=2.9

DJA 11 00:52:05.3, 0.5, 3.3, 3.3, 12.9E, h23km, 4km, M4.6/11,
mb4.8/7, mb5.3/4, MLV4.4/11, Mw(M)B4.7/14
NEIC 11 00:52:07.3, 1.2, 3.03S, 129.49E, h4.1km, 12km, mb4.4/7,
Error ellipse: s-maj=10.8km s-min=6.9km az=79.0

ISC 11 00:52:06.3, 0.4, 3.10S, 0.04, 129.50E, 0.05, h28km, n59,
c208/59, mb4.2/19, MS3.3/6, Seram

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

NEIC 11 01:01:02.0, 5.1, 8.36, 41N, 28.76E, h0km, mb3.5/2,
mb1 3.3/4, mb1mx3.0/59, mbtmp3.3/4, ML2.9/2, MS2.8/1,
Ms1 2.8/1, ms1mx2.0/38, Error ellipse: s-maj=36.7km
s-min=23.1km az=143.0

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

IDC 11 01:02:00.5, 1.8, 36.41N, 28.76E, h0km, mb3.5/2,
mb1 3.3/4, mb1mx3.0/59, mbtmp3.3/4, ML2.9/2, MS2.8/1,
Ms1 2.8/1, ms1mx2.0/38, Error ellipse: s-maj=36.7km
s-min=23.1km az=143.0

THE 11 01:02:04.3, 36.563N, 28.75E, h0km, 1km, ML2.5/3, Error
ellipse: s-maj=1.1km s-min=0.6km az=182.0

ATH 11 01:02:04.7, 36.566N, 28.72E, h26km, 3km, ML2.6/4, Error
ellipse: s-maj=4.5km s-min=0.9km az=177.0

ISK 11 01:02:04.8, 36.564N, 28.75E, h12km, ML3.0/13
CSEM 11 01:02:05.3, 0.2, 36.51N, 28.75E, h15km, ML3.0, Error
ellipse: s-maj=4.7km s-min=2.9km az=18.0

ISC/JB 11 01:02:05.7, 0.4, 36.51N, 0.03, 28.76E, 0.03, h27km, 4km,
mb3.4/2, MS2.8/1, Error ellipse: s-maj=5.6km s-min=4.1km
az=10.1

ISC 11 01:02:04.5, 1.0, 36.49N, 0.03, 28.74E, 0.02, h14km, 7km,
n52, c1217/6, Dodecanese Islands

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

DJA 11 01:31:52.9, 0.9, 6.5, 15.5E, h155km, 10km, M4.8/12,
mb4.9/12, mb5.1/3, Mw(M)B4.5/3

11d 2h

IDC 11 01:31:56.9.0.5, 6.11'S, 154.96E, h174km, 4km, mb4.2/23, mb1 4.2/27, mb1mx4.1/51, mbtmp4.6/27, MS3.4/7, Ms1 3.4/7, ms1mx2.9/45, Error ellipse: s-maj=11.7km s-min=8.1km az=107.0

ISCJB 11 01:31:58.3.0.3, 6.13'S:0.04x154.95E:0.05, h200km, mb4.3/38, Error ellipse: s-maj=7.5km s-min=5.1km az=6.7 NEIC 11 01:31:58.8.0.7, 6.10'S:154.97E, h192km, 6km, mb4.4/6, Error ellipse: s-maj=7.1km s-min=5.9km az=92.0

BUL 11 01:31:59.2.5.98'S:154.88E, h196km, mb4.7/26, mb4.7/15 ISC 11 01:31:59.1.0.4, 6.10'S:0.05x155.05E:0.06, h200km, n114, r181/124, mb4.4/37, Bougainville-Solomon Islands regio

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Rabaul, Honiara, Port Moresby, Coen, Mount Surprise, Charters Tower, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Ussuriysk Arr, Chanchung, Sadao Pong, Nan, etc.

2012 MAY

GTA Gaotai 68.12 317 eP P 01 42 39.0 +1.2

GTA Ulanbatar 68.28 327 eP P 01 42 39.7 +1.1

SOMN Songino Array 68.61 327 P P 01 42 41.8 +1.1

VNDA Vanda 71.47 178 P P 01 42 58.2 +0.8

JIRN Jiri 74.37 301 eP P 01 43 16.3 +0.5

BILL Biibino 74.39 4 eP P 01 43 16.0 +1.4

GUN Gumba 74.70 301 eP P 01 43 18.2 +0.5

PKI Pulchoki 75.02 301 eP P 01 43 19.2 -0.3

PKIN Pulchoki 75.03 301 eP P 01 43 19.6 +0.1

ILAR Eilson Array 82.52 22 P P 01 44 01.4 +0.5

OFUJ Miyakonagasawa 0.66 316 P S 02 01 20.0 +0.0

MIYJ Tanohata 0.94 333 P S 02 01 18.9 +0.2

JTH Ichinoseki 0.95 261 eS P 02 01 31.4 -0.7

JMK Ohasama 0.94 293 P S 02 01 29.6 -0.3

JOM Ouri 1.06 233 P S 02 01 18.8 -1.0

JIO Kuzumaki 1.22 317 P S 02 01 30.9 -2.7

JKZ Rokugo 1.42 283 P S 02 01 25.7 -0.2

JRG Nango 1.45 332 P S 02 01 26.2 -0.3

JANG Matushiro Arr 4.20 234 Pn 02 02 04.4 +0.9

MIJAR Matushiro 4.20 234 Pn 02 02 04.4 +0.9

IDC 11 01:56:45.2.7.0, 30.48'S:178.54W, h0km, mb3.9/2, mb1 4.2/2, mb1mx3.7/41, mbtmp3.9/2, Error ellipse: s-maj=283.9km s-min=60.3km az=156.0, Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Alice Springs, Warramunga Arr, Fines Fines Array, etc.

ISCJB 11 02:06:45.0.0.5, 7.27'S:0.04x129.31E:0.06, h139km, mb4.0/9, Error ellipse: s-maj=8.1km s-min=4.9km az=10.2

IDC 11 02:06:46.0.2.1, 7.23'S:129.74E, h129km, 19km, mb3.9/6, mb1 3.9/10, mb1mx3.5/57, mbtmp4.2/10, Error ellipse: s-maj=40.6km s-min=17.2km az=76.0

NEIC 11 02:06:45.1.4.8, 7.15'S:129.94E, h125km, 46km, mb4.2/3, Error ellipse: s-maj=55.5km s-min=12.8km az=225.0

DJA 11 02:06:48.5.0.6, 7.52'S:13.0'E, h122km, 14km, M4.5/6, mb4.9/2, mb4.7/5, MLv4.5/6, MW(mB)4.2/2

ISC 11 02:06:46.0.6.7, 7.18'S:0.05x129.73E:0.06, h139km, n23, r296/32, mb4.0/9, Banda Sea

SAUI Saumlaki 1.75 171 Op P 02 07 20.4 +2.2

BNDI Bandanaira 2.64 4 P S 02 07 31.7 +2.7

BNDI Masohi 3.89 348 S S 02 08 01.9 +0.2

FAKI Fak Fak 4.92 31 P Pn 02 07 58.0 -0.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Ofunato.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Deer Island, Isanotski Laza, etc.

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

ISCJJB 11 02:23:36.3.0.5, 32.27N-103.115.29W, 0.03, h17km, Error ellipse: s-maj=4.2km s-min=3.6km az=153.9

ECX 11 02:23:37.4.0.6, 32.24N-115.34W, h4km, MD2.9, MLC3.1

ISC 11 02:23:36.2.0.9, 32.27N-103.115.31W, 0.03, h17km, n22, 1908/31, 3C-7D, California-Baja California border region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like CPBX, SGL, YOH, etc.

SOME 11 02:28:18.9, 44.63N, 82.13E, h15km

ISC 11 02:28:19.9, 44.65N, 82.20E, h0km, mb2.9, mpv2.5, Error ellipse: s-maj=16.4km s-min=2.7km az=170.0

NIC 11 02:28:17.2, 44.7N, 82.1E, h22E, 0.1, h5km, 20km, n8, 0865/16, 4C-2D, Northern Xinjiang

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like DJR, KAPS, MK31, etc.

NEIC 11 02:29:56.0.0.0, 16.87N-95.01W, h21km, MD4.0(MEX), After MEX

MEX 11 02:29:56.0.0.8, 16.87N-95.01W, h21km, 17km, MD4.0, Oaxaca

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like HUIG, VHO, etc.

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

MEX 11 03:06:20.2.0.4, 14.65N-92.50W, h77km, 27km, MD3.7, Near coast of Chiapas

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like IDC, NIED, etc.

IDC 11 03:40:00.3.0.5, 37.29N-141.91E, h0km, mb4.0/18, mb1.4/223, mb1mx3.0/71, mbtmp4.1/23, ML4.2/4, MS3.2/20, MS1.3/20, ms1mx3.0/70, Error ellipse: s-maj=18.6km s-min=11.4km az=109.0

NIED 11 03:40:00.37.40N, 141.90E, h41km, Mw4.2 Best double couple: M=2.26000x10^15 NP1=5.173.00000, 322.00000, 7.161.00000, NP2=0.281.00000, 883.00000, 1.69.00000

ISCJJB 11 03:40:02.4.1.1, 37.29N-141.90E, h0km, h28km, 8km, mb4.0/22, MS3.4/14, Error ellipse: s-maj=5.9km s-min=2.7km az=175.0

JMA 11 03:40:04.7.0.1, 37.35N-141.87E, h37km, 3km, M4.2 JMA Felt J1

NEIC 11 03:40:05.0.2.1, 37.26N-142.01E, h33km, 15km, mb3.6/3.4, Error ellipse: s-maj=9.5km s-min=6.0km az=119.0

NEIC Recorded [1 JMA] in Fukushima and Miyagi. ISC 11 03:40:01.7.1.6, 37.29N-141.95E, h0.05, h11km, 10km, n66, 19160, mb4.2/22, MS3.4/14, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like JFK, JFK, JMW, etc.

MEX 11 03:49:08.7.0.5, 15.81N-92.72W, h155km, 5km, MD3.9, Mexico-Guatemala border region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like PCIG, CGIG, etc.

MEX 11 04:01:40.4.0.4, 16.32N-98.22W, h18km, 5km, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like PNIG, TLIG, etc.

IDC 11 04:02:31.8.1.4, 35.64N-79.67E, h0km, mb3.4/1, mb1.3/4.4, mb1mx3.1/65, mbtmp3.4/4, ML2.9/3, Error ellipse: s-maj=223.0km s-min=33.7km az=120.0, Kashmir-Xizang border region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like MKAR, KURBB, etc.

CSEM 11 04:10:23.8.0.1, 44.49N-6.74E, h12km, ML1.9/8, Error ellipse: s-maj=1.6km s-min=1.2km az=80.0

ISCJJB 11 04:10:23.4.0.3, 44.49N-0.02E:6.70E, 0.03, h11km, 3km, Error ellipse: s-maj=4.0km s-min=3.0km az=174.0

LDG 11 04:10:24.2.0.1, 44.49N-6.72E, h2km, M2.5/1, M12.1/6, Error ellipse: s-maj=1.6km s-min=1.4km az=83.0

GEN 11 04:10:24.1.4, 44.46N-6.71E, h7km, ML1.9/8

ROM 11 04:10:24.6.0.2, 44.479N-0.005E:6.79E, 0.01, h11km, ML1.4/4

STR 11 04:10:24.1.0.6, 45.4N-4.5E, h5km, ML1.7/6, ML1.7/6

ISC 11 04:10:23.7.0.8, 44.50N-0.02E:6.78E, 0.02, h14km, 5km, n41, 0857/66, France

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like SURF, OGAG, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like GNI, HFS, NOA, etc.

NIED 11 03:45:00.36.50N, 127.50E, h56km, Mw4.0 Best double couple: M=1.13000x10^15 NP1=5.226.00000, 879.00000, 7.161.00000, NP2=0.281.00000, 883.00000, 1.69.00000

JMA 11 03:45:59.1.0.2, 36.47N-127.46E, h28km, M4.2

KMA 11 03:46:05.0.5.0.2, 36.03N-127.70E, h5km, 9km, Error ellipse: s-maj=1.3km s-min=0.8km az=123.0

ISC 11 03:46:04.4.1.1, 36.07N-127.67E, 0.04, h14km, 11km, n15, 0880/21, 6C-9D, South Korea

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like KSCPR, KSCJP, etc.

MEX 11 03:49:08.7.0.5, 15.81N-92.72W, h155km, 5km, MD3.9, Mexico-Guatemala border region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like PCIG, CGIG, etc.

MEX 11 04:01:40.4.0.4, 16.32N-98.22W, h18km, 5km, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like PNIG, TLIG, etc.

IDC 11 04:02:31.8.1.4, 35.64N-79.67E, h0km, mb3.4/1, mb1.3/4.4, mb1mx3.1/65, mbtmp3.4/4, ML2.9/3, Error ellipse: s-maj=223.0km s-min=33.7km az=120.0, Kashmir-Xizang border region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like MKAR, KURBB, etc.

CSEM 11 04:10:23.8.0.1, 44.49N-6.74E, h12km, ML1.9/8, Error ellipse: s-maj=1.6km s-min=1.2km az=80.0

ISCJJB 11 04:10:23.4.0.3, 44.49N-0.02E:6.70E, 0.03, h11km, 3km, Error ellipse: s-maj=4.0km s-min=3.0km az=174.0

LDG 11 04:10:24.2.0.1, 44.49N-6.72E, h2km, M2.5/1, M12.1/6, Error ellipse: s-maj=1.6km s-min=1.4km az=83.0

GEN 11 04:10:24.1.4, 44.46N-6.71E, h7km, ML1.9/8

ROM 11 04:10:24.6.0.2, 44.479N-0.005E:6.79E, 0.01, h11km, ML1.4/4

STR 11 04:10:24.1.0.6, 45.4N-4.5E, h5km, ML1.7/6, ML1.7/6

ISC 11 04:10:23.7.0.8, 44.50N-0.02E:6.78E, 0.02, h14km, 5km, n41, 0857/66, France

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like SURF, OGAG, etc.

Table with columns: STV, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Sant Anna di V, BHB Bricherasio, LUCF Luceram, etc.

MEX 11 04:30.40.4.0, 16.57N:98.41W, h10km, 4km, MD3.9, Near coast of Guerrero. Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error.

ISK 11 04:27:06.6, 40.53N:35.20E, h4km, ML2.1/4
ISCJB 11 04:27:07.4, 0.5, 40.53N:0.03:35.21E:0.04, h6km, 5km, Error ellipse: s-maj=5.2km s-min=3.3km az=40.8

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Corum\_Osmancik, CTAK, COAL, etc.

SNOP Sinop 1.47 1 PN Pb 04 27 35.2 +0.5
SNOP Sinop 1.47 1 SN Sg 04 27 35.2 +0.4
SNOP Sinop 1.47 1 ePN Sg 04 27 35.2 +0.5
SVSK Karacayir 1.54 114 PN Sg 04 27 35.2 +0.4
SVSK Karacayir 1.54 114 ePN Pn 04 27 34.9 +0.3

ISCJB 11 04:42:33.5, 0.9, 12.26N:0.06:46.13E:0.06, h7km, mb3.5/5, MS3.2/13, Error ellipse: s-maj=8.6km s-min=8.0km az=164.7
CSEM 11 04:42:34.8, 12.40N:46.12E, h15km, ML3.9
DHMR 11 04:42:34.8, 0.7, 12.40N:46.12E, h15km, 7km, ML3.9
IDC 11 04:42:34.6, 1.7, 12.33N:46.03E, h0km, mb3.6/5, mb1 3.9/6, mb1mx3.5/60, mbtmp3.7/6, ML3.5/1, MS3.2/13, Ms1 3.2/13, ms1mx2.9/54, Error ellipse: s-maj=46.6km s-min=21.8km az=166.0

Code Station Name Azimuth Elevation Azimuth Error Elevation Error Station Name Azimuth Elevation Azimuth Error Elevation Error. Includes stations like ADEN Aden, ADEN Aden, ADEN Aden, etc.

MEX 11 04:46:54.6, 0.8, 16.67N:94.30W, h105km, 13km, MD3.9, Oaxaca. Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error.

NEIC 11 04:58:19.5, 0.0, 16.29N:98.52W, h16km, MD4.0 (MEX), After MEX

MEX 11 04:58:19.5, 0.0, 16.29N:98.52W, h16km, 11km, MD4.0, Near coast of Guerrero. Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error.

CSEM 11 05:25:05.2, 0.4, 35.46N:29.69E, h20km, ML2.8, Error ellipse: s-maj=11.4km s-min=5.8km az=26.0
NIC 11 05:25:08.1, 0.1, 35.48N:29.78E, h25km, ML3.6
ISK 11 05:25:10.1, 35.92N:29.46E, h13km, ML2.8/7
DDA 11 05:25:18.9, 35.21N:29.40E, h12km, ML3.2
ISC 11 05:25:00.9, 1.6, 35.34N:0.05:29.62E:0.03, h12km, 12km, n40, r139/63, Eastern Mediterranean Sea

Code Station Name Azimuth Elevation Azimuth Error Elevation Error Station Name Azimuth Elevation Azimuth Error Elevation Error. Includes stations like AKAS Kas, AKAS Kas, AKAS Kas, etc.

DATC Data-Mugla 2.12 312 PN Pb 05 25 39.9 +0.7
DATC Data-Mugla 2.12 312 iPn Pb 05 25 39.9 +0.7
KEPZ Antalya-Kepez 2.24 45 iP Pb 05 25 39.8 -1.5
KEPZ Antalya-Kepez 2.24 45 iS Pb 05 26 05.8 +0.5
KEPZ Antalya-Kepez 2.24 45 S Pb 05 25 39.8 -1.5
KEPZ Antalya-Kepez 2.24 45 S Pb 05 26 05.8 +0.5
AKMC Akamas baz=282 2.25 97 P Pb 05 25 40.5 -0.9
AKMC Akamas 2.25 97 iP Pb 05 25 41.0 +1.4
GAZI Gazipasa 2.37 67 iS Pb 05 25 41.0 +1.4
GAZI Gazipasa 2.37 67 S Pb 05 25 41.0 +1.4
GAZI Gazipasa 2.37 67 S Pb 05 25 41.0 +1.4
SUTC Sutluce-Ispart 2.40 27 S Pb 05 25 43.8 -0.3
SUTC Sutluce-Ispart 2.40 27 ePN Pb 05 25 43.8 -0.3
ALFC Alefka baz=278 2.45 94 P Pb 05 25 43.5 -1.4
ALFC Alefka 2.45 94 S Pb 05 26 11.0 +0.4
ALFC Alefka 2.45 94 S Pb 05 25 43.5 -1.4
ALFC Alefka 2.45 94 S Pb 05 26 11.0 +0.4
BODT Bodrum 2.53 313 iPN Pb 05 25 45.4 -0.9
AYDN Tasuluk 2.70 329 eP Pb 05 25 44.4 +0.2
AYDN Tasuluk 2.70 329 iS Pb 05 26 14.2 -2.6
AYDN Tasuluk 2.70 329 P Pb 05 25 44.4 +0.2
AYDN Tasuluk 2.70 329 S Pb 05 26 14.2 -2.6
SZAC Souni baz=286 2.74 101 P Pb 05 25 47.9 -2.0
SZAC Souni 2.74 101 S Pb 05 26 18.9 +1.1
SZAC Souni 2.74 101 S Pb 05 25 47.9 -2.0
BAGO Egridir- ISPA 2.81 19 iS Pb 05 26 18.9 +1.1
BAGO Egridir- ISPA 2.81 19 iS Pb 05 25 49.1 -1.9
AYDB Zeytinokoy-Aydi 2.94 332 PN Pb 05 25 49.8 +2.2
AYDB Zeytinokoy-Aydi 2.94 332 ePN Pb 05 25 49.8 +2.2
KADHN Kadinhani 3.75 32 iS Pb 05 26 09.9 +2.3
KADHN Kadinhani 3.75 32 iS Pb 05 26 42.9 +0.1
KADHN Kadinhani 3.75 32 S Pb 05 26 09.9 +2.3
KADHN Kadinhani 3.75 32 S Pb 05 26 42.9 +0.1

DJA 11 05:39:10.5, 0.4, 0.0N:5.12'E, h51km, 11km, M4.2/9, mb4.7/1, mb4.3/1, MLV4.1/9, Mw(mb)4.0/1, Minahassa Peninsula, Sulawesi. Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error.

IDC 11 05:47:28.9, 5.9, 13.23S:166.37E, h0km, mb3.9/3, mb1 4.1/3, mb1mx3.7/47, mbtmp3.8/3, MS2.7/1, Ms1 mx2.5/39, Error ellipse: s-maj=379.9km s-min=34.5km az=110.4, Vanuatu Islands

Code Station Name Azimuth Elevation Azimuth Error Elevation Error Station Name Azimuth Elevation Azimuth Error Elevation Error. Includes stations like HNR Honiara, KMSI Cibinong, LUWI Luwuk, etc.

ISCJB 11 05:49:44.6, 0.3, 4.70S:0.03:134.15E:0.03, h21km, mb4.3/21, MS3.6/14, Error ellipse: s-maj=3.9km s-min=3.9km az=145.9

IDC 11 05:49:44.7, 0.7, 4.47S:134.25E, h0km, mb4.1/13, mb1 4.2/15, mb1mx4.1/47, mbtmp4.1/15, ML4.4/3, MS3.7/17, Ms1 3.7/17, ms1mx3.4/44, Error ellipse: s-maj=27.2km s-min=16.2km az=70.0

NEIC 11 05:49:49.0, 0.4, 4.66S:134.19E, h35km, mb4.5/13, Error ellipse: s-maj=9.9km s-min=6.9km az=77.0

DJA 11 05:49:49.1, 0.2, 5.3S:13.4E, h54km, 13km, M4.9/13, mb5.0/13, mb5.2/6, MLV4.9/13, Mw(mb)4.6/6

ISC 11 05:49:46.7, 0.4, 4.73S:0.04:134.11E:0.04, h21km, n79, r282/84, mb4.2/21, MS3.6/14, Irian Jaya region

Code Station Name Azimuth Elevation Azimuth Error Elevation Error Station Name Azimuth Elevation Azimuth Error Elevation Error. Includes stations like KMPI Kaimana, Papua, Fak Fak, FAKI, etc.







11d 6h

Table with columns: call sign, name, frequency, power, mode, status, time, and other details. Includes stations like OXF, X47A, RGRS, X43A, etc.

2012 MAY

Table with columns: call sign, name, frequency, power, mode, status, time, and other details. Includes stations like S38A, AMTX, AMRIL, CCM, etc.

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Table with columns: call sign, name, frequency, power, mode, status, time, and other details. Includes stations like REDW, SNOW, LOHW, TPWA, etc.

ECX 11 06:19:32.0, 8.0, 32.10N, 115.72W, h5km, MD3.7, ML3.9
NEIC 11 06:19:32.0, 8.0, 32.09N, 115.72W, h5km, MD3.9(MEX),
ML3.9(ECX), ML3.9(PAN), After ECX.
NEIC Felt at Tecate. Also felt at Chula Vista, El Cajon,
Esccondido and San Diego, California.
MEX 11 06:19:35.0, 0.3, 32.13N, 115.77W, h13km, 6km, MD3.9
ISC 11 06:19:31.3, 1.3, 32.11N, 102.115, 70W, 0.02, h4km, 10km,
n87, r1946/121, 12C-4D, California-Baja California
border region
Code Station Name A° AZ° Phase ID Time Res
CPXB Cerro Prieto 0.45 47I/P P Pb 06 19 41.6 -0.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Mount Signal, Yuhua Desert, La Rumorosa, In-Ko-Pah, Carrizo Plain, Cerro Bola, Monument Peak, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like EOI, YOJ, YOY, TWC, TWB, NTC, NWC, NNB, NNB, NNB, etc.

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

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

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

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

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

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

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

11d 7h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LUBANG, BALER, and various IDs.

IDC 11 07:27:48.6:45.0,15.84S:175.19W,h0km,mb4.0/3, mb1 4.2/3,mb1mx3.6-min=175.6km az=78.0, Tonga Islands s-maj=857.9, s-min=175.6km az=78.0, Tonga Islands

MOS 11 07:32:54.8:1.1, 52.04N:171.83W,h27km,mb4.5/37, Error ellipse: s-maj=10.4km s-min=6.6km az=76.5

ISC 11 07:32:58.5:0.5, 51.93N:109.171.66W,0.04,h44km, n219, s123/218, mb4.3/91, MS3.0/9, 8C-4D, Fox Islands

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists numerous stations like ATKA, WARRAMUNGA ARR, ASAR ALICE SPRINGS, etc.

2012 MAY

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists numerous stations like YKA, YKA, YKA, etc.

610

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists numerous stations like SUMG Summit, SUMG Summit, etc.



11d 10h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSF Maasselka, JOF Joensuu, OUL Oulu, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CHZP Chorow, OKC Ostrava-Krasne, OJC Ojcow, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MORC Liptovska Anna, DPC Dobruska-Polom, VRAC Vranov, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BRPK Brown Peak, WESE West Dahl East, ISLZ Isanotski Laza, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AKSA Akutan Strait, AKUT Akutan, AHB Akutan Harbor, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NIKH Nikiashi High, AZAC Aniakchak, ANNW Aniakchak Nort, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ILAR Iliamna Array, INK Kodiak Island, MA2 Magadan, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YKA Yellowstone, NVAR Niina Array Bay, TIXI Tiksi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TXRB Lajitas Array, MKAR Makanchi Array, HFS Hagfors, etc.

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

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

612

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, STKA Stephens Creek, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ADEN Aden, BDHA Al Bayda, LBOS Lbosi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WSAR Wadi Sarin, EIL Elat, MMAI Mount Meron Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BRTR Keskin Arr, BRTR Keskin Arr, OPO Ambohitrato, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AKTO Aktubinsk, OBN Obninsk, TORO Torodi Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GERES GERES Array B, BOSA Boshof, MKAR Kurchatov Arra, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, ZALV Zalesovo Beam, SNAA Sanaa, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, NNSC Nizhny Staryy, ISCBJ 11 09:00:18.8, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GRAL 11 09:00:21.8, CSEM 11 09:00:21.8, ISCB 11 09:00:21.5, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BHL Bhannes, BHL Bhannes, DQRL Deir Qamar, etc.

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

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

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KCSI Kotacane, LHMI Lok Sumawe, LHMI Lok Sumawe, etc.

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

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

PSI	2.9nm,0.3s,baz=0.0,slow=20,SNR=3.7	LR	LR	10 05 56.0
PSI	comp=Z.230nm,21.4s,baz=130,slow=41	LR	LR	10 03 39.0 +1.6
PSI	Prapat 5.33 82 ePn	Pn	Pn	10 03 36.8 -0.2
MNSI	Mandailing Nat 6.06 102 P	Pn	Pn	10 03 47.4 +0.4
PKDT	Phuket 7.46 39 P	Pn	Pn	10 04 16.3 +1.0
KULM	Kulim 7.70 65 ePn	Pn	Pn	10 04 09.3 -0.3
KULM	Ipoh 7.76 72 eSn	Sn	Sn	10 05 31.9 -3.7
IFM	Trang 8.34 46 P	Pn	Pn	10 04 10.1 -0.3
TRTT	16nm,0.7s,298nm,0.1nm	LR	LR	10 04 16.8 -1.4
SKLT	Songkhla 8.62 54 P	Pn	Pn	10 04 21.0 -1.2
MYKOK	Kota Tinggi 10.21 91 ePn	Pn	Pn	10 04 43.4 -0.5
MNMI	Manna 12.71 124 ePn	Pn	Pn	10 04 58.0 -0.5
PALK	Pallekele 13.90 292 P	Pn	Pn	10 05 32.1 -2.4
PALK	0.5nm,0.3s,baz=118,slow=14,SNR=2.8	Sn	Sn	10 07 57.0 -1.1
PALK	comp=Z.38nm,21.7s,baz=170,slow=35	Pn	Pn	10 05 31.9 -2.7
PALK	Pallekele 13.90 292 ePn	Pn	Pn	10 05 48.8 +1.5
NAYO	Nakonayok 14.37 31 P	P	P	10 06 07.3 +0.3
PBKT	Sadao Pong 16.14 26 P	Pn	Pn	10 06 04.0 -0.1
PBKT	0.9nm,0.8s	Pn	Pn	10 06 16.9 -1.1
CM31	Chiang Mai Arr 17.13 17 ePn	P	P	10 12 11.6
CMAR	Chiang Mai Arr 17.13 17 P	P	P	10 06 22.7 +1.7
CMAR	1.0nm,0.3s,baz=209,slow=12,SNR=2.2	LR	LR	10 06 23.1 +1.4
LAMP	Lampang 17.40 19 P	P	P	10 06 20.4 -0.3
CHTO	Chiang Mai 17.46 17 ePn	Pn	Pn	10 06 33.3 +2.8
CHTO	58nm,0.9s	Pn	Pn	10 03 32.2
PAYA	Payao 18.26 19 P	P	P	10 03 16.4
H08S2	Diego Garcia H 23.19 245 T	T	T	10 03 05.4
H08S3	Diego Garcia H 23.19 245 T	T	T	10 07 27.0 +0.6
H08S1	Diego Garcia H 23.20 245 T	T	T	10 07 57.2 +2.0
H08S4	Diego Garcia H 23.20 245 T	T	T	10 07 55.6 +1.5
SHL	Shillong 23.45 356 eP	P	P	10 07 57.2 +2.0
JRN	Jiri 26.46 345 eP	P	P	10 07 56.8 +1.6
PKI	Pulchoki 26.59 349 eP	P	P	10 07 58.2 +2.0
PKI	2.9nm,0.7s	P	P	10 07 57.6 +0.6
PKIN	Pulchoki 26.59 349 eP	P	P	10 08 02.5 +1.8
DMN	Daman 26.71 343 eP	P	P	10 08 03.7 +1.9
GUN	Gumba 26.78 345 eP	P	P	10 08 07.9 +1.7
GKN	Gorkha 27.22 342 eP	P	P	10 08 08.1 +1.7
KOLM	Koldanda 27.33 340 eP	P	P	10 08 29.4 +1.7
DANN	Dangsing 27.82 341 eP	P	P	10 09 08.2 +0.2
PYUN	Piuthan 27.84 340 eP	P	P	10 09 15.7 +2.6
CD2	Chengdu 30.27 17 P	P	P	10 09 54.8 -1.8
XAN	Xi'an 34.89 22 P	P	P	10 10 02.1 -4.8
XAN	1.9nm,0.2s	P	P	10 11 32.3 +1.7
KSH	Kashi 40.63 339 P	P	P	10 15 44.7 -4.3
KSH	11nm,0.8s	PP	PP	10 18 58.0 -7.3
KSH	16nm,0.8s	PP	PP	10 55 30.9
KSH	Gorkha 13nm,0.9s	SS	SS	
KSH	19nm,0.9s	SS	SS	
H01W3	Cape Leeuwin H 41.45 154	P	P	10 10 00.0 -7.0
H01W2	Cape Leeuwin H 41.47 154	T	T	10 10 08.3 +0.2
H01W1	Cape Leeuwin H 41.47 154	T	T	10 10 08.2 +0.2
HHC	Hu-ho-hao-te 41.90 20 eP	P	P	10 09 54.8 -1.8
WNO	Urumbi 41.94 354 eP	P	P	10 10 02.1 -4.8
KDJ	Tarabay, Kyrgy 42.01 342 eP	P	P	10 11 32.3 +1.7
TARJ	Kajisay 42.56 342 eP	P	P	10 15 44.7 -4.3
WR1	Warramunga Arr 45.51 121 eP	P	P	10 18 58.0 -7.3
WR1	6.5nm,1.0s	P	P	10 55 30.9
WR1	9.4nm,1.5s	P	P	
WRA	Warramunga Arr 45.51 121 P	P	P	10 08 29.4 +1.7
MK32	Manakchi Array 45.66 349 eP	P	P	10 08 29.4 +1.7
MK32	4.8nm,0.5s,baz=302,slow=8.5,SNR=6.8	P	P	10 10 08.2 +0.2
MK32	Manakchi Array 45.66 349 P	P	P	10 09 15.7 +2.6
MKAR	Manakchi Array 45.66 349 eP	P	P	10 09 54.8 -1.8
MAK2	Manakchi 45.74 349 eP	P	P	10 10 02.1 -4.8
KKAR	Karatay Array 45.80 336 eP	P	P	10 11 32.3 +1.7
ASAR	Alice Springs 46.75 126 P	P	P	10 15 44.7 -4.3
SONA	Songjino Array 46.94 12 P	P	P	10 18 58.0 -7.3
SONM	Songjino Array 46.94 12 P	P	P	10 55 30.9
GEYT	Alibek 48.33 322 P	P	P	
KURB	Kurchatov Arr 50.08 347 P	P	P	
KURK	Kurchatov 50.14 348 P	P	P	
KURK	Kurchatov 50.14 348 P	P	P	
ZALV	Zalevo Beam 52.25 353 P	P	P	
ZAA1	Zalevo Array 52.25 353 eP	P	P	
KLR	Kul'dur 57.17 29 P	P	P	
BR101	Keskin Array S 65.93 313 eP	P	P	
BRTR	Keskin Array B 65.93 313 P	P	P	
TIXI	Tiksi 73.02 11 P	P	P	
FLAO	FINES Array S 77.63 333 eP	P	P	
FINAS	FINES Array B 77.63 333 P	P	P	
ARAO	ARCES Array S 80.56 341 eP	P	P	
ARCS	ARCES Array B 80.56 341 P	P	P	
GECC	GERESS Array S 81.85 319 eP	P	P	
GERES	GERESS Array B 81.85 319 P	P	P	
HFS	Hafgors 83.23 330 P	P	P	
TXAR	Lajitas Array 144.68 27 PKP	PKP	PKP	
TXAR	0.9nm,0.4s,baz=101,slow=7.7,SNR=5.2			
TXAR	0.5nm,0.5s,baz=44,slow=1.2,SNR=13			

CDAG	Cicekdag 1.04 80 P	Pg	Pg	10 08 19.8 +0.3
CDAG	1.04 80 P	Sg	Sg	10 08 33.1 +0.1
AUMIH	Mihallicik 1.28 290 PN	Pg	Pg	10 08 24.2 0.0
AUMIH	Mihallicik 1.28 290 ePn	Pg	Pg	10 08 27.4 0.0
CORM	Corum 1.42 58 PN	Pg	Pg	10 08 24.7 +0.6
CORM	Corum 1.42 58 ePn	Pg	Pg	10 08 27.4 +0.6
YOZ	Yozgat 1.77 83 PN	Pb	Pb	10 08 32.5 -0.3
YOZ	Yozgat 1.77 83 ePn	Pb	Pb	10 08 32.5 -0.3
KRSC	11 10:12:25.4-0.8,53.71N,160.46E,h117km,ML4.0			
ISCJB	11 10:12:26.2-0.4,53.72N,160.03:160.42E,0.07,			
h120km,3km,m3,6/7,Error ellipse: s-maj=7.6km				
s-min=2.4km az=51.4				
MOS	11 10:12:26.4-0.6,53.75N,160.35E,h122km,m3.9/2,Error			
ellipse: s-maj=11.0km s-min=4.3km az=77.7				
IDC	11 10:12:27.9-1.9,53.78N,160.19E,h121km,14km,m3,2/6,			
mb1 3.47,mb1mx3,1/81,mbtmp3.6/7,MS3.4/1,MS1 3.4/1,				
ms1mx2.3/50,Error ellipse: s-maj=26.6km s-min=14.8km				
az=108.0				
ISC	11 10:12:26.9-0.7,53.71N,160.03:160.42E,0.04,h116km,5km,			
n104,c080/172,m3,57/1,1D,Near east coast of				
Kamchatka Peninsula				
Code	Station Name	Δ° AZ°	Phase ID	Time Res
KII	Karymskiy	0.66 300	Op ISC	h m s Res
KII	Karymskiy	0.66 300	eS	10 12 45.6 0.0
KII	Karymskiy	0.66 300	ePn	10 12 59.4 -0.3
KII	Karymskiy	0.66 300	Sn	10 12 45.6 0.0
SPN	Mys Shipunski	0.66 201	ePn	10 12 59.4 -0.3
SPN	Mys Shipunski	0.66 201	PN	10 12 46.0 +0.5
SPN	Mys Shipunski	0.66 201	Sn	10 12 46.0 +0.5
NLC	Nalytchevo	0.84 230	ePn	10 12 59.4 -0.1
NLC	Nalytchevo	0.84 230	eS	10 12 47.2 +0.2
NLC	Nalytchevo	0.84 230	PN	10 12 47.2 +0.2
SDLR	Sedlovina	1.02 245	iP	10 13 02.2 0.0
SDLR	Sedlovina	1.02 245	eS	10 12 49.3 +0.5
SDLR	Sedlovina	1.02 245	PN	10 13 05.7 +0.3
SDLR	Sedlovina	1.02 245	PN	10 12 49.3 +0.5
SMAR	Somma	1.07 246	eS	10 13 05.7 +0.3
SMAR	Somma	1.07 246	ePn	10 12 49.9 +0.4
SMAR	Somma	1.07 246	PN	10 13 07.0 +0.5
SMAR	Somma	1.07 246	PN	10 12 49.9 +0.4
KRER	Koryakskii	1.08 248	iP	10 13 07.0 +0.5
KRER	Koryakskii	1.08 248	eS	10 13 07.0 +0.5
KRER	Koryakskii	1.08 248	PN	10 13 07.0 +0.5
KRER	Koryakskii	1.08 248	PN	10 13 07.0 +0.5
UGLR	Uglovaya	1.08 243	iP	10 12 50.1 +0.6
UGLR	Uglovaya	1.08 243	eS	10 12 50.1 +0.6
UGLR	Uglovaya	1.08 243	PN	10 12 50.1 +0.6
UGLR	Uglovaya	1.08 243	PN	10 12 50.1 +0.6
AVH	Avacha	1.10 247	iP	10 12 50.5 +0.6
AVH	Avacha	1.10 247	eS	10 13 07.6 +0.7
AVH	Avacha	1.10 247	PN	10 12 50.5 +0.6
AVH	Avacha	1.10 247	PN	10 13 07.6 +0.7
KRX	Arik	1.12 252	iP	10 12 50.8 +0.7
KRX	Arik	1.12 252	eS	10 12 50.8 +0.7
KRX	Arik	1.12 252	PN	10 12 50.8 +0.7
KRX	Arik	1.12 252	PN	10 12 50.8 +0.7
MKZ	Mys Kozlova	1.14 42	iP	10 13 07.1 -0.3
MKZ	Mys Kozlova	1.14 42	eS	10 13 07.1 -0.3
MKZ	Mys Kozlova	1.14 42	PN	10 12 50.6 +0.7
MKZ	Mys Kozlova	1.14 42	PN	10 13 06.8 -0.5
KOK	Koryakia	1.15 249	ePn	10 12 50.6 +0.7
KOK	Koryakia	1.15 249	eS	10 13 07.8 0.0
KOK	Koryakia	1.15 249	PN	10 12 50.7 +0.5
KOK	Koryakia	1.15 249	PN	10 13 07.8 0.0
DALK	Dalny	1.21 236	eS	10 13 07.8 0.0
DALK	Dalny	1.21 236	ePn	10 12 51.1 +0.4
DALK	Dalny	1.21 236	PN	10 13 08.7 -0.1
DALK	Dalny	1.21 236	PN	10 12 51.1 +0.4
PET	Petropavlovsk	1.27 238	ePn	10 13 08.7 -0.1
PET	Petropavlovsk	1.27 238	eS	10 12 51.9 +0.6
PET	Petropavlovsk	1.27 238	PN	10 13 09.3 -0.5
PET	Petropavlovsk	1.27 238	PN	10 12 51.9 +0.6
PET	comp=Z.78nm,0.5s		pmx	pmx
PET	comp=N.209nm,0.5s		smx	smx
PET	comp=E.200nm,0.3s		smx	smx
PET	comp=N.200nm,0.3s		smx	smx
PET	comp=E.223nm,0.6s		smx	smx
KZV	Kizimen	1.40 357	iP	10 12 53.9 +0.4
KZV	Kizimen	1.40 357	eS	10 13 12.9 0.0
KZV	Kizimen	1.40 357	PN	10 12 53.4 +0.4
KZV	Kizimen	1.40 357	PN	10 12 53.4 +0.4
GNL	Ganally	1.48 270	ePn	10 12 53.9 0.0
GNL	Ganally	1.48 270	eS	10 12 53.9 0.0
GNL	Ganally	1.48 270	PN	10 13 14.1 -0.2
GNL	Ganally	1.48 270	PN	10 13 14.1 -0.2
TUMD	Tumrok D	1.49 359	Sn	10 13 14.1 -0.2
TUMD	Tumrok D	1.49 359	eS	10 13 15.1 +0.4
TUMR	Tumrok	1.58 354	iP	10 13 15.1 +0.4
TUMR	Tumrok	1.58 354	eS	10 12 57.7 +0.7
TUMR	Tumrok	1.58 354	PN	10 13 16.6 +0.1
TUMR	Tumrok	1.58 354	PN	10 12 57.7 +0.7
TUMR	Tumrok	1.58 354	PN	10 13 15.7 -1.3
KRMR	Karymskiy	1.64 238	ePn	10 13 15.7 -1.3
KRMR	Karymskiy	1.64 238	eS	10 12 58.9 +0.2
KRMR	Karymskiy	1.64 238	PN	10 13 17.1 -0.4
KRMR	Karymskiy	1.64 238	PN	10 12 58.9 +0.2
RUS	Russkaya	1.73 223	iP	10 13 17.1 -0.4
RUS	Russkaya	1.73 223	eS	10 12 58.9 +0.2
RUS	Russkaya	1.73 223	PN	10 13 17.1 -0.4
RUS	Russkaya	1.73 223	PN	10 12 58.9 +0.2
PETK	Petropavlovsk-	1.74 251	P	10 13 17.1 -0.4
PETK	comp=E.9.1nm,0.3s,baz=87,slow=14,SNR=226			
PETK	comp=E.8.6nm,0.3s,baz=86,slow=21,SNR=112			
PETK	comp=E.49nm,18.1s,baz=136,slow=41			
MTVR	Mutnovka	1.83 228	ePn	10 13 19.2 -0.6
MTVR	Mutnovka	1.83 228	eS	10 13 35.0
MTVR	Mutnovka	1.83 228	PN	10 12 58.9 +0.8
MTVR	Mutnovka	1.83 228	PN	10 13 19.2 -0.6
ASAK	Asacha	2.02 230	iP	10 13 35.0
ASAK	Asacha	2.02 230	eS	10 12 58.9 +0.8
ASAK	Asacha	2.02 230	PN	10 13 21.6 -0.3
ASAK	Asacha	2.02 230	PN	10 13 01.4 +0.9
KMNR	Kamenistaya	2.05 357	iP	10 13 27.2 +1.1
KMNR	Kamenistaya	2.05 357	eS	10 13 01.4 +0.9
KMNR	Kamenistaya	2.05 357	PN	10 13 27.2 +1.1
KMNR	Kamenistaya	2.05 357	PN	10 13 01.6 +0.8
APC	Apacha	2.11 249	ePn	10 13 01.6 +0.8
APC	Apacha	2.11 249	eS	10 13 02.2 +0.7
APC	Apacha	2.11 249	PN	10 13 27.2 -0.7
APC	Apacha	2.11 249	PN	10 13 02.2 +0.7
BZMR	Bezmyannaya	2.23 1 ePn	Pn	10 13 27.2 -0.7
BZMR	Bezmyannaya	2.23 1 eS	Pn	10 13 02.2 +0.7
BZMR	Bezmyannaya	2.23 1 PN	Pn	10 13 03.5 +0.4
BZMR	Bezmyannaya	2.23 1 PN	Pn	10 13 31.2 +0.4
BZMR	Bezmyannaya	2.23 1 P	Pn	







11d 11h

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, SNR, and other technical details for various stations.

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Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, SNR, and other technical details for various stations.

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Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, SNR, and other technical details for various stations.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for IDC 11:17:36.7, 12:23N:144.36E, h52km, 30km, mb3.4/7, mb1 3.5/7, mb1mx3.6/4, mbtmp3.7/7, Error ellipse: s-maj=49.4km s-min=15.7km az=96.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for IDC 11:12:11:58.8:1.7, 1.51N, 126.51E, h0km, mb3.4/4, mb1 3.6/4, mb1mx3.4/5, mbtmp3.4/4, Error ellipse: s-maj=174.6km s-min=21.1km az=66.0, Northern Molucca Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for MEX 11:12:20:9.0:5.15, 05N:93.05W, h83km, 9km, MD3.8, Near coast of Chiapas

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for SOME 11:23:55.3, 44.68N:82.20E, h15km, NNC 11:23:55.4, 1.1, 44.72N:82.16E, h0km, mb3.1, mpv2.6, Error ellipse: s-maj=16.1km s-min=2.5km az=116.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for IDC 11:23:49.9:2.3, 44.48N:107.82E:0.1, h18km, 9km, n7, e050/14, 3C-3D, Northern Xinjiang

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for BJI 11:24:1:32.5, 26.40N:93.15E, h8km, mb5.0/74, mb5.3/46, M5.2/5, M5.0/87, Ms7.4/774

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for GCMT 11:12:41:35.3:0.1, 26.18N:93.03E, h46km, 1km, MW5.4/127, Moment Tensor Solution, s87, c127; s127, c214; Duration: 1s2 Moment tensor: Scale 10^17Nm

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for NEIC 11:24:1:35.3:0.1, 26.18N:92.89E, mb5.2/109, MW5.4, Error ellipse: s-maj=4.6km s-min=2.8km az=47.0, Moment Tensor Solution, s25 Moment tensor: Scale 10^17Nm

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for NEIC Two people injured by a wall collapse in Kamrup and several buildings damaged in the Guwahati area.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for NDI 11:24:1:35.6:22.0, 26.25N:92.88E, h43km, ML5.3, mb5.2/109

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for TEZP TEZPUR 0.40 353.0, P Pn 12 41 45.5 +0.7

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for SHL Shillong 1.09 234 ePn Sn 12 41 56.5 +2.4

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for ZIRO ZIRO 1.58 34 i P Sn 12 42 01.1 +0.3

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for LKP LKP 2.89 67 eP Sn 12 42 18.2 -0.4

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for GUN Gumba 6.45 287 eP Sn 12 43 08.9 +1.2

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for GKN Gorkha 7.54 285 ePn Sn 12 43 23.1 +0.5

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for PYUN PYUN 8.99 284 ePn Sn 12 43 41.3 -1.2

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for CD2 12 42 09.5 +0.6

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for CHLP Challavanieta 11.19 228 eP Pn 12 44 12.5 +0.1

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for NGP Nagpur 13.62 251 eP Sn 12 47 04.6 -1.1

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for ENH Enshi 15.20 71 ePn Pn 12 45 03.2 -3.7

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for CHBT CHBT 16.09 145 P P 12 45 23.2 +2.1

11d 12h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like POO Poona, MCO Taipa Grande, KSH Kashi, etc.

2012 MAY

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like AAK Ala-Archa, AAK Ala-Archa, MAK2 Makanchi, etc.

618

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like KURK Kurchatov, BKNI Bangkinang, DL2 Dalian, etc.





11d 12h

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like IZAR Zarasai, ISAL Salakas, JMB Yambol, etc.

2012 MAY

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like OHR Ohrid, PYL PYLOS, DSJ Palatin Diesel, etc.

620

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like BRG comp=E,387nm,19.2s, SOKA comp=Z,475nm,14.7s, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DFRA, SET, SCO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PPT2, TXAR, TXAR, etc.

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



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

GUC 11 15:52:14.0,0.6,2491S:69.40W,h103km,4km,ML3.6,6D,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GO02, PB14, ANCH, etc.

ISCJB 11 16:08:03.1,0.6,5.31N:0.03:73.74W:0.05,h153km,5km,mb3.5/1, Error ellipse: s-maj=8.7km s-min=4.5km az=23.6

ISC 11 16:08:03.1,1.4,5.31N:73.65W,h153km,7km,mb3.1/1,mb1 3.5/2,mb1mx3.0/40,mbtmp3.8/2, Error ellipse: s-maj=64.9km s-min=13.1km az=134.0

RSNC 11 16:08:04.8,1.1,5.29N:73.75W,h143km,6km,ML3.7,Mw4.0

ISC 11 16:08:03.1,1.1,5.29N:0.04:73.72W:0.05,h155km,7km,n27,0.99140,1C-3D,Columbia

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

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

IDC 11 16:19:01.2,1.5,3.24S:140.07E,h0km,mb4.2/4,mb1 4.4/5,mb1mx3.7/49,mbtmp4.2/5,ML3.7/1,MS3.4/13,Ms1 3.4/13,ms1mx3.1/48, Error ellipse: s-maj=84.6km s-min=27.1km az=115.0

ISCJB 11 16:19:04.7,0.8,3.61S:0.04:140.5E:0.1,h39km,mb4.3/2,MS3.4/9, Error ellipse: s-maj=15.0km s-min=5.4km az=6.9

DJA 11 16:19:05.7,0.8,4.5:16.14E:1.1,h41km,15km,MA 5/6,mb4.5/6,MLV4.6/5

NEIC 11 16:19:06.4,1.2,3.33S:139.95E,h35km,mb4.0/2, Error ellipse: s-maj=29.2km s-min=19.0km az=110.0

ISC 11 16:19:06.2,0.8,3.62S:0.06:140.44E:0.10,h39km,n22,0.932018,MS3.3/9,Irian Jaya

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

ISCJB 11 16:23:25.5,2.0,20.0S:0.1:177.3W:0.3,h550km,mb4.0/7, Error ellipse: s-maj=35.5km s-min=15.4km az=170.5

IDC 11 16:23:30.0,2.5,20.14S:177.31W,h584km,27km,mb3.5/7,mb1 3.5/9,mb1mx3.1/51,mbtmp4.4/9, Error ellipse: s-maj=23.0km s-min=15.6km az=98.0

ISC 11 16:23:27.6,1.5,20.1S:0.1:177.3W:0.2,h550km,n11,0.158114,mb4.0/7,Fiji Islands Region

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

CSEM 11 16:29:52.8,39.12N:29.09E,h7km,ML3.1

ISK 11 16:29:52.8,39.12N:29.09E,h7km,ML3.1/7,Turkey

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

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

ISK 11 16:30:05.3,39.16N:29.11E,h5km,ML3.1/3

CSEM 11 16:30:06.3,0.2,39.11N:29.12E,h2km,ML3.1, Error ellipse: s-maj=4.9km s-min=3.7km az=174.0

DDA 11 16:30:06.2,39.07N:29.13E,h9km,ML3.1

ISC 11 16:30:06.1,0.8,39.07N:0.02:29.12E:0.02,h11km,4km,n5,0.194287,Turkey

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

NIED 11 16:36:00,38.60N:141.70E,h44km,Mw3.5 Best double couple: M0.26000:1014 NP1:0.177.00000:0.830.00000:1.76.00000:0.00000: NP2:0.14.00000:0.61.00000:0.98.00000:0.00000

ISCJB 11 16:36:37.0,0.9,38.52N:0.04:141.8E:0.1,h59km,5km,mb3.7/5, Error ellipse: s-maj=14.1km s-min=5.0km az=19.9

JMA 11 16:36:39.3,0.1,38.54N:141.72E,h54km,1km,M3.8

JMA Fell II J1

IDC 11 16:36:39.7,2.5,38.54N:141.96E,h6km,19km,mb3.5/5,mb1 3.5/7,mb1mx3.2/75,mbtmp3.7/7, Error ellipse: s-maj=28.5km s-min=11.7km az=113.0

ISC 11 16:36:38.5,1.3,38.53N:0.05:141.84E:0.09,h48km,10km,n25,0.1944/31,mb3.6/5,Near east coast of eastern Honshu

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

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

ISCJB 11 16:43:58.4-0.8, 42.0S:0.1-84.8E:0.2, h10km, mb4.2/14, MS3.7/28, Error ellipse: s-maj=22.9km s-min=15.9km az=37.2

IDC 11 16:43:58.2-0.9, 42.06S:84.61E, h0km, mb4.2/12, mb1.4/3.12, mb1mx4.0/0.7, mbtmp4.2/12, MS3.7/28, Ms1.3/7.28, ms1mx3.5/4.9, Error ellipse: s-maj=29.7km s-min=21.3km az=44.0

NEIC 11 16:43:59.9-0.7, 42.05S:84.76E, h10km, mb4.3/2, Error ellipse: s-maj=22.3km s-min=16.1km az=217.0

ISC 11 16:43:59.7-0.9, 42.05S:84.61E, h0km, n45, r130/20, mb4.3/14, MS3.7/28, Southeast India Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Cape Leeuwin, Diego Garcia, Lembang, etc.

IDC 11 16:44:04.2-2.0, 38.75N:72.27E, h0km, mb3.9/4, mb1.3/7.9, mb1mx3.5/4.74, mbtmp3.6/9, ML3.0/5, MS3.1/1, Ms1.3/1.1, ms1mx2.1/68, Error ellipse: s-maj=37.0km s-min=17.9km az=144.0

NNC 11 16:44:07.5-2.9, 39.19N:71.87E, h0km, mb3.9, mpv3.6, Error ellipse: s-maj=23.4km s-min=11.3km az=1.0

ISCJB 11 16:44:11.1-1.0, 39.19N:71.80E:0.07, h42km, mb3.7/4, MS3.1/1, Error ellipse: s-maj=12.5km s-min=7.5km az=160.4

ISC 11 16:44:12.2-1.3, 39.19N:71.87E:0.07, h42km, n26, r170/31, mb3.7/4, 7C-7D, Tajikistan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Sfk, Aml, MNAS, UCHAS, KZA, AAK, AAK, AAK, etc.

IDC 11 17:09:24.4-2.8, 3.74N:92.73E, h0km, mb3.7/4, mb1.3/7.6, mb1mx3.4/6.8, mbtmp3.7/6, ML3.5/2, Error ellipse: s-maj=11.2km s-min=36.9km az=31.0, Off west coast of northern Sumatra

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

NIED 11 17:13:00.3800N:143.70E, h14km, Mw3.5 Best double couple: M2 14000.1014 NP136.6100000, delta.00000, lambda-0.00000, NP236.1540000, delta.00000, lambda-150.00000

ISCJB 11 17:13:32.5-0.9, 38.04N:143.87E:0.08, h33km, mb3.6/5, Error ellipse: s-maj=8.6km s-min=6.4km az=174.8

IDC 11 17:13:33.3-1.7, 37.46N:143.87E, h0km, mb3.6/5, mb1.3/7.7, mb1mx3.4/6.7, mbtmp3.6/7, ML3.5/2, Error ellipse: s-maj=11.0km s-min=22.9km az=69.0

JMA 11 17:13:34.7-0.2, 38.05N:143.72E, h47km, M3.8, ISC 11 17:13:32.6-1.4, 38.03N:143.90E:0.09, h35km, n22, r175/24, mb3.5/5, Off east coast of Honshu

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

ISCJB 11 17:40:11.8-0.6, 45.69N:0.03-26.57E:0.04, h155km, 5km, Error ellipse: s-maj=5.2km s-min=4.1km az=37.4

CSEM 11 17:40:11.7-0.3, 45.68N:26.51E, h159km, 2km, MD4.1, Error ellipse: s-maj=4.8km s-min=4.2km az=152.0

BUC 11 17:40:12.6-0.8, 45.69N:26.53E, h156km, 7km, MD4.1/6, Error ellipse: s-maj=5.2km s-min=4.9km az=88.0

ISC 11 17:40:10.6-1.4, 45.70N:0.03-26.54E:0.03, h169km, 7km, n110, r180/102, 58C-40D, Romania

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



Table with columns: BZS, Buzias, 3.46 270 ePn, Pn, 17 41 02.7 -1.7, etc.

ISC/JB 11 17:45:15.0.0.3,56:20N.0.03:160:84E:0.07, h173km,2km,mb3.6/16, Error ellipse: s-maj=6.7km, s-min=3.7km az=26.8

MOS 11 17:45:15.1.0.7,56:24N.160:77E, h171km, mb4.0/7, Error ellipse: s-maj=16.8km s-min=4.8km az=78.9

KRSC 11 17:45:15.9.1.1,56:10N.161:09E, h161km,8km,ML3.9, mb3.3/17, mb1 3-4/18, mb1mx3.2/21, mb1mp3.8/18, Error ellipse: s-maj=15.7km s-min=12.7km az=122.0

ISC 11 17:45:16.2.0.6,56:16N.0.04:168:87E:0.04, h170km,4km, n102, s1908/168, mb3.5/16, Kamchatka Peninsula

Main table listing station names, codes, and coordinates for various stations like CIRR, LGNR, ZLZN, etc.

Table listing station names, codes, and coordinates for stations like KMRM, KMRM, APC, APC, etc.

ISC/JB 11 17:56:40.1.0.6,35:36N.0.04:140:47E:0.06, h65km,4km, mb3.3/4, Error ellipse: s-maj=8.3km s-min=6.4km az=148.6

JMA 11 17:56:41.3.1.0.2,35:46N.140:46E, h53km,2km, M2.8, IDC 11 17:56:41.2.3.8,35:33N.140:43E, h52km,27km, mb3.0/4, mb1 3.3/7, mb1mx3.1/7, mb1mp3.5/7, ML3.5/3, Error ellipse: s-maj=46.4km s-min=7.5km az=67.0

ISC 11 17:56:41.3.1.0,35:37N.0.05:140:46E:0.06, h60km,7km, n102, s1973/24, mb3.4/4, Near east coast of eastern Honshu

Table listing station names, codes, and coordinates for stations like JCN, KTR, KTR, etc.

NIED 11 17:59:00,37:20N.141:40E, h47km, Mw4.2 Best double couple: M2.59000x1015 NP1.9194.00000, s25.00000, l87.00000, NP2.9117.00000, s65.00000, l91.00000

ISC/JB 11 17:59:11.8.0.5,37:19N.0.03:141:44E:0.05, h52km,3km, mb4.3/62, MS3.2/6, Error ellipse: s-maj=7.2km s-min=4.2km az=29.6

JMA 11 17:59:12.6.0.1,37:18N.141:38E, h49km,1km, M4.0, JMA Felt III J1

MOS 11 17:59:12.7.0.9,37:23N.141:41E, h56km, mb4.4/31, Error ellipse: s-maj=8.5km s-min=6.4km az=106.1

NEIC 17:59:14.8.0.6,37:18N.141:32E, h62km,5km, mb4.4/22, Error ellipse: s-maj=6.9km s-min=5.0km az=129.0

NEIC Recorded [3 JMA] in Fukushima, IDC 11 17:59:15.5.1.8,37:16N.141:36E, h68km,15km, mb3.8/27, mb1 3.9/31, mb1mx3.8/77, mb1mp4.1/31, MS3.0/13, Ms1 3.0/13, ms1mx2.8/76, Error ellipse: s-maj=14.6km s-min=11.9km az=133.0

BUI 11 17:59:26.2,37:27N.139:92E, h109km, mb4.4/36, mb4.7/16

ISC 11 17:59:12.6.0.8,37:18N.0.04:141:45E:0.06, h43km,6km, n166, s141/178, mb4.2/62, MS3.1/7, 9C-4D, Near east coast of eastern Honshu

Table listing station names, codes, and coordinates for stations like JFK, ONAJ, ONAJ, etc.

Main table listing station names, codes, and coordinates for stations like MJAR, MAJO, MAJO, etc.



11d 18h

Table with columns: RES, Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Sadao Pong, Chiang Mai Arr, Chiang Mai Arr, etc.

2012 MAY

Table with columns: RES, Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Resolute Bay, Yellowknife, Alibeck, etc.

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 11 18:35:13.2, JMA 11 18:35:15.6, NEIC 11 18:35:17.0, etc.







11d 18h

Table with columns for call sign, frequency, power, mode, and coordinates. Includes stations like Wickenburg, Snowmass, Idaho Springs, Alice Springs, etc.

2012 MAY

Table with columns for call sign, frequency, power, mode, and coordinates. Includes stations like UZH, TESR, NIE, HATO, TLCR, etc.

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Table with columns for call sign, frequency, power, mode, and coordinates. Includes stations like CONA, SZH, MZR, MORH, MEM, MOA, etc.

BUI 11 18:48:21.6, 34.08N-33.43E, h10km, mb5.0/50, mb5.1/39, Ms4.8/40, Ms7.4/539
ISCJB 11 18:48:28.0, 3.34:235N:0.009-34.09E:0.01, h15km, mb5.3/17, MS4.6/2, Error ellipse: s-maj=1.8km s-min=1.2km az=137.7
ISK 11 18:48:28.0, 34.23N-34.13E, h19km, ML5.3/34
NEIC 11 18:48:29.0, 34.30N-34.14E, h17km, mb5.4/201, MD5.0(GRAL), ML5.4(SIK), ML5.3(HLW), ML5.4(NIC), Error ellipse: s-maj=3.0km s-min=2.0km az=194.0
NEIC Felt [I] at Limassol. Also felt at Kissonerga, Lamaca, Nicosia, Paphos, Pano Polemidhia, Pissouri, Skoulli, Stroumbi and Zyi. Felt [II] at Haifa, Jerusalem and Qiryat Motzkin and [II] at Tel Aviv-Yafo, Israel. Also felt at Bet Shemesh, Ganne Tiqwa, Herzliya, Kefar Sava, Neshet, Netanya, Qiryat Yam and Ramat Gan. Felt [III] at Cairo, Egypt and at Damascus, Syria, [II] at Irbid, Jordan, Felt at Beirut and Echelon, Lebanon, Nablus and Telli, West Bank, Antioch and Belen, Turkey.







AKASG	baz=174,slow=9.3,SNR=2.5	Sn	Sn	18 55 29.8	-0.1
AKASG	LR	LR		19 00 16.8	
AKKB	comp=Z,2um,20.0s,baz=16.5,slow=42	Pn	Pn	18 52 20.9	-3.3
AKKB	Malin Array Si 16.80 349 ePn	ePn		18 55 30.8 +0.9	
AKKB	Malin Array Si 16.80 349 ePn	ePn		18 52 20.9 -3.3	
AKKB	e	e		18 55 30.8	
AKKB	comp=Z,446nm,1.0s	pmax	pmax		
UZH	Uzhgorod 16.84 332 eP	Pn	Pn	18 52 23.8	-1.0
UZH	eS	eS		18 55 28.2	-2.7
UZH	MLR	MLR			
UZH	comp=N,2um,19.0s	MLR	MLR		
UZH	comp=E,3um,19.0s	MLR	MLR		
UZH	comp=Z,600nm,19.0s	MLR	MLR		
VORD	Divnogorie 17.08 11 eP	P	P	18 52 28.9	-0.5
VORD	comp=Z,220nm,1.1s	pmax	pmax		
LVV	L'vov 17.22 337 eP	P	P	18 52 30.4	-0.5
LVV	eS	eS		18 55 39.3	-0.9
LVV	MLR	MLR			
CLTB	comp=Z,1um,19.0s				
CLTB	Caltabellotta 17.28 287 ePn	Pn	Pn	18 52 30.0	-0.5
CLTB	comp=Z,339nm,1.6s				
CLTB	Caltabellotta 17.28 287 ePn	Pn	Pn	18 52 30.0	-0.5
VSR	Storzhevoje 17.30 11 eP	Pn	Pn	18 52 31.1	+0.5
VSR	pmax	pmax			
PSZ	comp=Z,170nm,1.2s				
PSZ	Piszkesteto 17.31 326 iJP	Pn	Pn	18 52 31.1	+0.3
PSZ	Piszkesteto 17.31 326 ePP	Pn	Pn	18 52 30.2	-0.6
PSZ	Piszkesteto 17.31 326 ePn	Pn	Pn	18 52 29.4	-1.4
PSZ	comp=Z,294nm,1.3s				
PSZ	Piszkesteto 17.31 326 ePn	Pn	Pn	18 52 29.4	-1.4
PSZ	comp=Z,294nm,1.3s				
PSZ	Piszkesteto 17.31 326 iJP	Pn	Pn	18 52 31.1	+0.3
BUD	Budapest 17.42 324 ePP	Pn	Pn	18 52 30.7	-1.3
UDBI	Udubina 17.48 311 ePn	Pn	Pn	18 52 31.8	-1.1
UDBI	Sn	Sn		18 55 49.5	+2.9
KWP	Kalwaria Pacia 17.51 335 ePn	Pn	Pn	18 52 34.2	+0.1
KWP	Kalwaria Pacia 17.51 335 ePn	Pn	Pn	18 52 33.6	+0.4
KWP	comp=Z,4um,1.2s				
KWP	Kalwaria Pacia 17.51 335 ePn	Pn	Pn	18 52 33.6	+0.4
CSKK	Cs'kako 17.72 322 ePP	P	P	18 52 37.6	+1.2
VORR	Voronezh 17.75 10 eP	P	P	18 52 37.0	+0.2
STHS	Stebnicka Huta 17.88 332 eP	P	P	18 52 38.7	+0.4
STHS	comp=Z,86nm,1.1s	pmax	pmax		
STHS	Stebnicka Huta 17.88 332 eP	P	P	18 52 38.7	+0.4
BEHE	Becsehely 17.94 318 ePP	Pn	Pn	18 52 38.3	-0.2
BEHE	Becsehely 17.94 318 ePn	Pn	Pn	18 52 36.8	-1.7
SRO	Srobarova 17.99 323 eP	Pn	Pn	18 52 39.9	+0.4
SRO	Srobarova 17.99 323 eP	Pn	Pn	18 52 39.9	+0.4
ZAG	Zagreb 18.02 315 ePn	Pn	Pn	18 52 34.7	+0.9
NVLJ	Novljia 18.06 310 iPn	Pn	Pn	18 52 37.9	-2.0
AQU	L'Aquila 18.15 302 ePn	Pn	Pn	18 52 39.7	-1.4
AQU	comp=Z,327nm,1.1s				
AQU	L'Aquila 18.15 302 ePn	Pn	Pn	18 52 39.7	-1.4
AQU	comp=Z,327nm,1.1s				
AQU	L'Aquila 18.15 302 ePn	Pn	Pn	18 52 39.7	-1.4
AQU	pmax	pmax			
VYHS	comp=Z,327nm,1.1s				
VYHS	Yyhne 18.22 326 eP	Pn	Pn	18 52 41.1	-0.9
VYHS	pmax	pmax			
VYHS	Yyhne 18.22 326 eP	Pn	Pn	18 52 41.1	-0.9
VYHS	pmax	pmax			
KOGS	Kog 18.22 317 eS	P	P	18 56 13.1	+4.1
KOGS	Kog 18.22 317 ePn	Pn	Pn	18 52 39.9	-2.1
KOGS	Kog 18.22 317 ePn	Pn	Pn	18 52 39.9	-2.1
NIE	Niedzica 18.26 330 eP	P	P	18 52 43.1	+0.6
NIE	eS	eS		18 56 29.6	+2.0
NIE	Niedzica 18.26 330 eP	P	P	18 52 43.1	+0.6
CRES	Cresnjevi 18.33 315 iJPn	Pn	Pn	18 52 40.8	-2.5
LANS	Liptovska Anna 18.41 328 ePn	Pn	Pn	18 52 44.8	+0.5
LANS	Liptovska Anna 18.41 328 ePn	Pn	Pn	18 52 44.8	+0.5
LPSR	Galich'ya Gora 18.62 9 eP	P	P	18 52 46.4	+0.1
LPSR	pmax	pmax			
SOP	comp=Z,290nm,1.0s				
SOP	Modra-Piesok 18.80 321 ePP	P	P	18 52 47.8	-0.6
MODS	Modra-Piesok 18.89 323 eP	P	P	18 52 48.2	-1.1
MODS	pmax	pmax			
MODS	Modra-Piesok 18.89 323 eP	P	P	18 52 48.2	-1.1
MODS	pmax	pmax			
CEY	Cerknica 18.90 313 iJPn	Pn	Pn	18 52 48.5	-1.1
SMOL	Smolenice 18.91 324 eP	P	P	18 52 49.7	+0.2
SMOL	Smolenice 18.91 324 eP	P	P	18 52 49.7	+0.2
SMOL	Smolenice 18.91 324 eP	P	P	18 52 49.7	+0.2
LJU	Ljubljana 19.00 314 iP	P	P	18 52 50.2	-0.4
LJU	Ljubljana 19.00 314 iP	P	P	18 52 50.2	-0.4
LJU	Ljubljana 19.00 314 iP	P	P	18 52 50.2	-0.4
SOKA	comp=Z,97nm,1.1s,SNR=52				
SOKA	Sotho 19.05 316 P	P	P	18 52 50.7	-0.4
OJC	Ojcow 19.09 331 eP	P	P	18 52 51.2	-0.3
OJC	eS	eS		18 56 38.2	+1.2
OJC	Ojcow 19.09 331 eP	P	P	18 52 51.4	-0.2
OJC	comp=Z,99nm,1.2s				
OJC	Ojcow 19.09 331 eP	P	P	18 52 51.2	-0.3
ARSA	Arzberg 19.10 318 iP	P	P	18 52 51.5	-0.1
ARSA	comp=Z,211nm,0.9s,SNR=144				
ARSA	Arzberg 19.10 318 iP	P	P	18 52 51.5	-0.1
OBKA	Obir 19.23 315 P	P	P	18 52 53.3	+0.1
OBKA	comp=Z,150nm,0.8s,SNR=64				
OBKA	Obir 19.23 315 P	P	P	18 52 53.3	+0.1
CONA	Comp=Z,144nm,1.3s,SNR=70				
CONA	Conrad Observa 19.32 320 iP	P	P	18 52 54.1	-0.1
CONA	Conrad Observa 19.32 320 iP	P	P	18 52 54.1	-0.1
CONA	Conrad Observa 19.32 320 iP	P	P	18 52 54.1	-0.1
OKC	Ostrava-Krasne 19.50 328 eP	Pn	Pn	18 52 56.8	-0.6
OKC	eS	eS		18 53 00.8	-2.6
OKC	eS	eS		18 56 34.1	-0.6
OKC	AMS	AMS		19 02 20.0	
OKC	comp=Z,800nm,11.7s				
OKC	Ostrava-Krasne 19.50 328 eP	Pn	Pn	18 52 56.8	-0.6
OKC	eS	eS		18 56 34.1	-0.6
OKC	MLR	MLR			
CADS	Cadrg 19.57 314 iP	P	P	18 52 56.0	-0.8
CADS	eS	eS		18 56 33.0	-3.2
CADS	Cadrg 19.57 314 iP	P	P	18 52 56.0	-0.8
RAC	Raciborz 19.66 328 eP	P	P	18 52 57.0	-0.7
RAC	pmax	pmax			
GEYT	comp=Z,2um,19.5s				
GEYT	Alibek 19.67 72 P	P	P	18 52 58.8	+0.7
GEYT	comp=Z,5.3nm,0.3s,baz=282,slow=7.0,SNR=216				
GEYT	S	S		18 56 38.5	0.0
GEYT	comp=Z,0.1nm,0.3s,baz=316,slow=2.2,SNR=2.5				
GEYT	LR	LR		19 02 40.3	
GYA0B	ALIBECK ARRAY 19.67 72 eP	Pn	Pn	18 52 59.2	-0.4
GYA0B	comp=Z,447nm,1.3s				
GYA0B	ALIBECK ARRAY 19.67 72 eP	Pn	Pn	18 52 59.2	-0.4
MORC	Moravsky Berou 19.73 327 iJP	P	P	18 52 58.4	-0.4
MORC	Moravsky Berou 19.73 327 eP	P	P	18 52 58.2	-0.4
MORC	comp=Z,370nm,1.1s				
MORC	Moravsky Berou 19.73 327 eP	P	P	18 52 58.2	-0.4
MORC	comp=Z,370nm,1.1s				
MORC	Moravsky Berou 19.73 327 iJP	P	P	18 52 58.4	-0.4
MORC	comp=Z,370nm,1.1s				
MYKA	Terra Mystica 19.83 315 iPn	Pn	Pn	18 53 00.3	+0.6
VRAC	Vranov 19.85 324 P	P	P	18 52 59.9	0.0
VRAC	comp=Z,1.7nm,0.3s,baz=136,slow=9.6,SNR=8				
VRAC	LR	LR		19 02 25.4	
VRAC	comp=Z,997nm,20.5s,baz=140,slow=42				
VRAC	Vranov 19.85 324 iJP	P	P	18 53 00.1	+0.3
VRAC	comp=Z,997nm,20.5s,baz=140,slow=42				
VRAC	Vranov 19.85 324 iJP	P	P	18 53 00.1	+0.3
BEL	Belsk 20.02 335 eP	Pn	Pn	18 53 05.9	+1.8
BEL	Belsk 20.02 335 eP	Pn	Pn	18 53 05.3	+1.8
MOA	Molin 20.14 318 iP	P	P	18 53 03.4	+0.4
MOA	comp=Z,238nm,1.1s,SNR=118				
MOA	Molin 20.14 318 iP	P	P	18 53 03.4	+0.4
MOA	comp=Z,238nm,1.1s,SNR=118				
KBA	Koelnbreinsper 20.24 315 P	P	P	18 53 04.6	+0.3

KBA	comp=Z,326nm,1.1s,SNR=125	P	P	18 53 04.6	+0.3
KBA	Koelnbreinsper 20.24 315 P	P	P	18 53 04.6	+0.3
KRLC	Kraliky 20.29 326 eP	P	P	18 53 05.4	+0.8
KRLC	Kraliky 20.29 326 eP	P	P	18 53 05.4	+0.8
KRLC	Kraliky 20.29 326 eP	P	P	18 53 05.4	+0.8
KEST	Kesra 20.37 281 P	Pn	Pn	18 53 07.3	-0.5
KEST	comp=Z,62nm,1.0s,baz=48,slow=8.3,SNR=33				
KEST	Kesra 20.37 281 eP	P	P	18 56 49.3	-3.4
KEST	comp=Z,11nm,0.8s,baz=151,slow=19,SNR=6.3				
KEST	Kesra 20.37 281 eP	P	P	18 53 07.8	-0.1
KEST	comp=Z,542nm,1.5s				
KEST	Kesra 20.37 281 eP	P	P	18 56 49.3	-3.4
KEST	S	S		18 53 07.8	-0.1
TREC	Trest 20.38 323 eP	P	P	18 53 05.6	0.0
TREC	comp=Z,202nm,1.0s				
TREC	Trest 20.38 323 eP	P	P	18 53 05.6	0.0
TREC	eS	eS		18 53 10.7	-2.4
TREC	AMS	AMS		18 56 49.3	-3.3
TREC	AMS	AMS		19 02 30.0	
TREC	comp=Z,1um,20.2s				
TREC	Trest 20.38 323 eP	P	P	18 53 05.6	0.0
TREC	Trest 20.38 323 eP	P	P	18 53 05.6	0.0
TREC	Trest 20.38 323 eP	P	P	18 56 49.3	-3.3
TREC	eS	eS		18 53 07.8	-0.1
VSL	Villasaito 20.47 292 eP	P	P	18 53 07.2	+0.5
VSL	comp=Z,202nm,1.0s				
VSL	Villasaito 20.47 292 eP	P	P	18 53 07.2	+0.5
UMQ	Umm Al-Quwinn 20.55 109 iP	Pn	Pn	18 53 08.8	-1.0
UMQ	SNR=8.5				
ABTA	Abfaltersbach 20.56 314 iP	P	P	18 53 07.7	+0.1
ABTA	comp=Z,219nm,0.9s,SNR=119				
SHME	Shamm 20.67 108 P	P	P	18 53 08.5	-0.4
SHME	SNR=20				
SHME	Shamm 20.67 108 P	P	P	18 53 08.5	-0.4
SHME	SNR=25				
MICGM	Minsk 20.69 350 iJP	P	P	18 53 06.0	-2.8
MICGM	PM	PM		18 53 07.0	
MICGM	comp=Z,2.3nm,1.0s				
MICGM	Minsk 20.69 350 iJP	P	P	18 53 06.0	-2.8
MICGM	PM	PM		18 53 07.0	
MICGM	comp=Z,2.3nm,1.0s				
MICGM	comp=N,2.1nm,1.0s				
MICGM	Minsk 20.69 350 iJP	P	P	18 53 06.0	-2.8
MICGM	PM	PM		18 53 07.0	
MICGM	comp=N,2.1nm,1.0s				
MICGM	Minsk 20.69 350 iJP	P	P	18 53 06.0	-2.8
MICGM	PM	PM		18 53 07.0	
MICGM	comp=N,2.1nm,1.0s				
MICGM	Minsk 20.69 350 iJP	P	P	18 53 06.0	-2.8
MICGM	PM	PM		18 53 07.0	
MICGM	comp=N,2.1nm,1.0s				
MICGM	Minsk 20.69 350 iJP	P	P	18 53 06.0	-2.8
MICGM	PM	PM		18 53 07.0	
MICGM	comp=N,2.1nm,1.0s				
MICGM	Minsk 20.69 350 iJP	P	P	18 53 06.0	-2.8
MICGM	PM	PM		18 53 07.0	
MICGM	comp=N,2.1nm,1.0s				
MICGM	Minsk 20.69 350 iJP	P	P	18 53 06.0	-2.8
MICGM	PM	PM		18 53 07.0	
MICGM	comp=N,2.1nm,1.0s				
MICGM	Minsk 20.69 350 iJP	P	P	18 53 06.0	-2.8
MICGM	PM	PM		18 53 07.0	
MICGM	comp=N,2.1nm,1.0s				
MICGM	Minsk 20.69 350 iJP	P	P	18 53 06.0	-2.8
MICGM	PM	PM		18 53 07.0	
MICGM	comp=N,2.1nm,1.0s				
MICGM	Minsk 20.69 350 iJP	P	P	18 53 06.0	-2.8
MICGM	PM				





Table with columns: RIDG, Independe'd Rid, 82.30 360 eP, P, 19 00 50.2 +0.3. Rows include LBTB Lobatse, HHC Hu-ho-hao-te, TULEG Thule, XAN Xi'an, NANT Nan, PHIT Phitsanulok, SRDT SRDT, GYA Guiyang, PBKT Sadao Pong, HIA Hailar, ENH Enshi, PHET Kaeng Krachan, YAK Yakutsk, CHAI Chaiyaphum, BOSA Boschof, KHON Khomkaen, SRAK Srakaeaw, SKNT Sakolnakhorn, ZEA Zeya, WHN Wuhan, UBPT Khong Chiam, RES Resolute Bay, KULM Kulim, PSI Prapat, PSI Prapat, CN2 Changchun, IPM Ipon, SCHQ Schefferville, SCHQ Schefferville, NJ2 Nanjing, KLR Kul'dur, MDJ Mudjanjng, BKNI Bangkinang, GRNR Gornyy, SEY Seymchan, INCN Incheon, BILL Bilbino, BILL Bilbino.

Table with columns: BILL, comp=Z, 12nm, 1.1s, pmax, pmax, 72.03 49 P, P, 18 59 51.9 -0.6. Rows include USRK Ussuriysk Ar., USRK Ussuriysk Ar., MYKOM Kota Tinggi, KS01 Wonju Array Si, KS15 Wonju Array Si, KSAR Wonju Array Be, KSAR Wonju Array Be, KRSR Korea Array, MA2 Magadan, MA2 Magadan, MA2 Magadan, MA2 Magadan, PQI Presque Isle, EMMW East Machias, TPUB Ta-pu, TPUB Ta-pu, PKME Peaks-Kenny Pk, TWG Pinlang, TWG Pinlang, MNAI Natasue, COCO West Island, COCO West Island, WVW Waterville, LBNH Lisboon, LBNH Lisboon, LBNH Lisboon, RCBR Riachuelo, JNU Nakatsu, RDOG Red Dog Mine, INK Inuvik, INK Inuvik, INK Inuvik, TOLK Toolik Lake Re, TOLK Toolik Lake Re, TRQ Mont Tremblant, VTI Waterbury, HNH Hanover, FRNY Flat Rock, FCC Fort Churchill, FCC Fort Churchill, FCC Fort Churchill, BRYW Bryant College, LONY Lake Ozonia, LONY Lake Ozonia, QUAZ Belchertown, ACCN Adirondack Com, JOW Kunigami, COLD Coldfoot, SBUM Sibiu, FYU Fort Yukon, TGY Tagaytay City, IM3 Indian Mountain, PAL Palisades, PE1A Petropavlovsk, PETK Petropavlovsk, PETK Petropavlovsk, MAJO Matsushiro, MAJO Matsushiro, MAJO Matsushiro, MAT Matsushiro, MJAR Matsushiro Arr, MJAR Matsushiro Arr, YKWS Yellowknife Ar, LEM Lembang, YKA Yellowknife Ar, YKA Yellowknife Ar, ODNJ Ogdensburg, BRNJ Basking Ridge, SADO Sadovaya, KSPA Keystone Colle, CISI Cisompet, GARU Garuda, MLY Manley, EGAK Eagle, N59A State Game Lan, N59A State Game Lan, IL1 Eielson Array, ILAR Eielson Array, ILAR Eielson Array, ILB Eielson Array, CCB Clear Creek Arr, MMNY Mt. Morris Dam, WRH Wood River Hill, DAWY Dawson, BPAW Bear Paw Mtn, SCRK Sand Creek, MVL Millersville.

Table with columns: RIDG, Independe'd Rid, 82.30 360 eP, P, 19 00 50.2 +0.3. Rows include DOT Dot Lake, CAST Castle Rocks, TRF Thorofare Moun, RND Reindeer, RND Reindeer, SSPA Standing Stone, SSPA Standing Stone, SDMD Soldier's Deli, ERPA Erie, ERPA Erie, DHY Denali Highway, PPLA Purkeypile, F46A Macaw City C, E44A Grand Marais A, M54A Oil Creek Stat, M54A Oil Creek Stat, JHJ Hachijo jima 2, O56A Blue Knob Stat, F45A CMU Biological, FFC Flin Flon, FFC Flin Flon, N54A Moraine State, N54A Moraine State, C40A Isle Royale Na, F44A Big Bay de Noc, E43A Lone Tree Farm, D41A Chassel, SCM Sheep Creek M, SCM Sheep Creek M, E42A Champion, F43A Flat Rock, Esc, C39A Grand Marais, CVRD Centerville Ro, SPRD Spring Road, M, IP05 Hoppelwell Churc, IP01 Cuckoo, PMR Palmer, PMR Palmer, URVA University of, IP03 Louisiana, IP04 Greensprings, IP06 Yanceyville, MCWV Mont Chateau, MCWV Mont Chateau, IP07 Quail, JSRW J. Sargeant R, KLU Klutina, E41A Kento, EYMN Ely, EYMN Ely, C38A Sawbill Land, AAM Ann Arbor, G31A Wallace, ULM Lac du Bonnet, ULM Lac du Bonnet, ULM Lac du Bonnet, COWI Wakefield, C37A Embarrass, F41A Three Lakes, G42A Mountain, B35A Bob, Littlefor, E39A Mellen, C36A Pine Crest Far, F40A Park Falls, A33A Warrad, B34A Aery, Baudette, D37A Cotton, E38A The Farm, Brul, ACSO Alum Creek Sta, ACSO Alum Creek Sta, F39A Loretta, C35A Jirik Farms, M, D36A Goodland, I43A Langfeld Bro, G40A Rib Lake, A32A Pong H Ranc, B33A Robert and Kas, BLM Blacksburg, AGMN Agassiz Nation, I42A Draeger Farm.

G39A	Holcombe	86.61	325	P	P	19 01 11.5	-0.5
J43A	Natural Harves	86.64	322	P	P	19 01 11.5	-0.6
B32A	Ashes, Strandq	86.66	330	P	P	19 01 11.7	-0.5
E36A	McGregor	86.67	327	P	P	19 01 11.8	-0.4
DLBC	Dease Lake	86.68	352	P	P	19 01 12.3	+0.2
DLBC	Dease Lake	86.68	352	eP	P	19 01 12.7	+0.5
H40A	Chili	86.72	324	P	P	19 01 12.6	+0.1
NCAT	North Carolina	86.75	312	eP	P	19 01 13.3	+0.4
M46A	Old House Fiel	86.95	320	P	P	19 01 13.3	-0.4
F37A	Hilrichs Farm,	86.97	326	P	P	19 01 13.3	-0.4
J42A	Columbus	87.04	322	P	P	19 01 13.6	-0.5
K43A	Burlington Lakes	87.08	322	P	P	19 01 13.9	-0.4
E35A	Pequot Lakes	87.16	327	P	P	19 01 13.9	-0.8
DAV	Davo City (W)	87.23	83	LR	LR	19 46 15.9	
F36A	Milaca	87.28	326	P	P	19 01 14.4	-0.9
J41A	Loganville	87.45	323	P	P	19 01 14.8	-1.3
N46A	Monticello	87.52	319	P	P	19 01 16.2	-0.3
H38A	Maiden Rock	87.59	325	P	P	19 01 16.0	-0.8
L43A	Garden Prairie	87.66	321	P	P	19 01 16.6	-0.5
O47A	Sheridan	87.67	319	P	P	19 01 16.4	-0.8
I39A	Houston	87.84	324	P	P	19 01 16.6	-1.3
KDAK	Kodiak Island	88.11	4	P	P	19 01 19.0	+0.1
KDAK	Kodiak Island	88.11	4	eP	P	19 01 19.9	+1.0
KDAK	Kodiak Island	88.11	4	eP	P	19 01 19.9	+1.0
L42A	Oliver, Polo	88.27	322	P	P	19 01 19.6	-0.4
M43A	Waltham Townsh	88.31	321	P	P	19 01 20.1	-0.2
J39A	Decorah	88.31	324	P	P	19 01 19.5	-0.8
N44A	Piper City	88.33	320	P	P	19 01 20.1	-0.3
K40A	Colesburg	88.50	323	P	P	19 01 20.1	-1.0
I37A	Lemond, Waseca	88.62	325	P	P	19 01 20.9	-0.8
OHAK	Old Harbor	88.63	4	eP	P	19 01 21.6	+0.2
L41A	Preston	88.64	322	P	P	19 01 21.0	-0.7
J38A	Wedel Dairy, R	88.70	324	P	P	19 01 20.8	-1.2
H35A	Sunnyside Anc	88.77	326	P	P	19 01 21.8	-0.5
PAULI	Pauline	88.83	312	eP	P	19 01 21.6	-1.2
K39A	Oelwein	88.87	323	P	P	19 01 21.4	-1.5
L40A	Anamosa	89.01	323	P	P	19 01 22.6	-0.9
HDIL	Hopedale	89.12	321	P	P	19 01 23.6	-0.5
WCI	Wyandotte Cave	89.14	317	P	P	19 01 24.0	-0.3
J37A	Redenius Farm,	89.22	325	P	P	19 01 23.7	-0.8
K38A	Parkersburg	89.35	324	P	P	19 01 24.1	-1.0
L39A	Vinton	89.36	323	P	P	19 01 24.3	-0.9
F31A	Hecla	89.38	329	P	P	19 01 24.6	-0.6
BG3	Lake Jocassee	89.40	313	eP	P	19 01 24.9	-0.6
S48A	Wiedeman Farm,	89.41	317	P	P	19 01 24.6	-0.8
TKL	Tuckaleechee C	89.46	314	P	P	19 01 26.2	+0.4
TKL	Tuckaleechee C	89.46	314	eP	P	19 01 25.9	+0.1
TKL	Tuckaleechee C	89.46	314	eP	P	19 01 25.9	+0.1
P44A	Sand Creek, Wi	89.55	319	P	P	19 01 25.5	-0.6
J36A	Seneca 1, Swea	89.58	325	P	P	19 01 25.4	-0.8
DGMT	Dagmar	89.61	334	P	P	19 01 25.5	-0.7
K37A	Belmond	89.68	324	P	P	19 01 26.0	-0.7
Q45A	Warren Harvey,	89.70	319	P	P	19 01 26.3	-0.5
I34A	Hadley	89.75	326	P	P	19 01 25.9	-1.1
OLIL	Olney	89.79	319	eP	P	19 01 26.6	-0.6
O42A	Bath	89.80	321	P	P	19 01 26.5	-0.7
L38A	Oak Wood Farm,	89.82	324	P	P	19 01 26.0	-1.4
N41A	Harden Midland	89.82	321	P	P	19 01 26.4	-1.0
P43A	Skaggs, Pawnee	89.90	320	P	P	19 01 27.5	-0.3
T48A	Bowling Green	89.98	316	P	P	19 01 27.9	-0.3
CPCT	Cooper Cave	90.04	314	eP	P	19 01 28.6	+0.1
Q44A	Meyer Farm, Va	90.17	319	P	P	19 01 28.7	-0.3
R45A	Skyilar, Fairir	90.20	318	P	P	19 01 29.0	-0.2
O41A	Passleys Farm,	90.27	321	P	P	19 01 28.8	-0.6
S46A	Don Dixon Farm	90.32	318	P	P	19 01 29.0	-0.7
ECSD	EROS Data Cent	90.33	327	P	P	19 01 29.1	-0.6
ECSD	EROS Data Cent	90.33	327	eP	P	19 01 29.5	-0.2
T47A	Sharon Grove	90.47	317	P	P	19 01 29.7	-0.7
M38A	Pleasantville	90.48	323	P	P	19 01 29.9	-0.6
Q43A	New Douglas	90.50	320	P	P	19 01 30.5	-0.1
R44A	Waltonville	90.67	319	P	P	19 01 31.3	-0.1
O40A	La Belle	90.78	322	P	P	19 01 30.9	-0.9
GOGA	Godfrey	90.80	312	P	P	19 01 31.6	-0.5
U47A	Clarksville	90.96	317	P	P	19 01 31.9	-0.9
N38A	Joes South For	90.97	323	P	P	19 01 32.1	-0.6
Q42A	Golden Eagle	90.97	320	P	P	19 01 32.7	-0.1
O39A	Kirksville	91.02	322	P	P	19 01 32.3	-0.7
R43A	Red Bud	91.11	319	P	P	19 01 33.6	+0.2
M36A	Felix, Anita	91.24	324	P	P	19 01 33.2	-0.7
P40A	Paris	91.31	321	P	P	19 01 33.9	-0.4
Q41A	Truxton	91.31	321	P	P	19 01 34.1	-0.2
V47A	Nunnelly	91.53	316	P	P	19 01 34.2	-1.2
W48A	Pulaski	91.67	315	P	P	19 01 35.1	-1.0

254A	Abbeville	91.68	311	P	P	19 01 35.9	-0.2
S43A	Fulton Ridge,	91.70	319	P	P	19 01 36.1	-0.1
P39B	Salisbury	91.70	322	P	P	19 01 36.0	-0.1
Q40A	Laux Farm, Aux	91.72	321	P	P	19 01 36.2	0.0
X49A	Woodville	91.76	315	P	P	19 01 36.1	-0.4
Y50A	Piedmont	91.84	314	P	P	19 01 36.6	-0.3
LAO	LASA Array	91.86	334	P	P	19 01 37.1	+0.3
LAO	LASA Array	91.86	334	eP	P	19 01 36.8	0.0
R41A	Rosebud	91.87	320	P	P	19 01 36.4	-0.6
V46A	Holladay	91.89	317	P	P	19 01 36.5	-0.5
EGMT	Eagleton	91.92	337	P	P	19 01 36.8	-0.3
EGMT	Eagleton	91.92	337	eP	P	19 01 37.1	0.0
S42A	Caledonia	91.95	319	P	P	19 01 36.8	-0.5
CCM	Cathedral Cave	91.98	320	P	P	19 01 37.1	-0.3
CCM	Cathedral Cave	91.98	320	eP	P	19 01 36.9	-0.5
CCM	Cathedral Cave	91.98	320	eP	P	19 01 36.9	-0.5
W47A	Westpoint	91.98	316	P	P	19 01 36.1	-1.4
P38A	Dawn	92.00	322	P	P	19 01 36.7	-0.8
Q39A	Willow Grove F	92.15	322	P	P	19 01 38.1	-0.1
T43A	Greenville	92.17	319	P	P	19 01 38.1	-0.2
Y49A	Blount Mountai	92.27	314	P	P	19 01 38.0	-0.9
WALA	Waterson Lakes	92.29	340	eP	P	19 01 38.8	-0.1
R40A	Statio	92.34	321	P	P	19 01 38.9	-0.2
Z50A	Ashland	92.39	313	P	P	19 01 39.0	-0.4
S56A	Lak Butler	92.42	309	P	P	19 01 39.7	+0.1
P37A	Lathrop	92.44	323	P	P	19 01 38.8	-0.7
PBMO	Poplar Bluff	92.47	319	eP	P	19 01 38.9	-0.8
151A	Opelika	92.54	313	P	P	19 01 39.5	-0.6
252A	Lumpkin	92.54	312	P	P	19 01 39.6	-0.5
Q38A	Cooks Store, C	92.54	322	P	P	19 01 39.3	-0.7
S41A	Jilco Farms,	92.59	320	P	P	19 01 40.2	-0.1
T42A	Van Buren	92.65	319	P	P	19 01 40.2	-0.3
R39A	Chumby, Stover	92.73	321	P	P	19 01 40.8	-0.1
LLLL	Lillet	92.86	345	eP	P	19 01 40.3	-1.0
251A	Midway	92.89	312	P	P	19 01 41.3	-0.4
150A	Eclectic	92.91	313	P	P	19 01 41.4	-0.4
S40A	Lebanon	92.98	320	P	P	19 01 41.8	-0.3
T41A	Mountain View	93.00	320	P	P	19 01 42.1	-0.1
U42A	Revdens	93.23	319	P	P	19 01 43.4	+0.1
R38A	Fenwick Farm,	93.27	322	P	P	19 01 42.6	-0.8
T40A	Martfield	93.33	320	P	P	19 01 43.6	-0.1
S39A	Bolivar	93.35	321	P	P	19 01 43.1	-0.6
149A	Jon Statio	93.38	314	P	P	19 01 43.7	-0.3
JTMT	Jette	93.58	339	eP	P	19 01 45.8	+1.0
U41A	Viola	93.61	319	P	P	19 01 44.5	-0.5
Y46A	Houston	93.68	316	P	P	19 01 44.2	-1.1
S38A	Stockton	93.70	321	P	P	19 01 44.8	-0.6
V42A	Cord	93.71	318	P	P	19 01 45.0	-0.5
GCMT	Greycliff	93.84	336	eP	P	19 01 45.4	-0.7
957A	Wimauma	93.87	307	P	P	19 01 46.4	+0.1
T39A	Clever	93.88	321	P	P	19 01 45.6	-0.6
NEW	Newport	93.90	341	P	P	19 01 46.4	+0.3
NEW	Newport	93.90	341	eP	P	19 01 46.7	+0.6
NEW	Newport	93.90	341	eP	P	19 01 46.7	+0.6
350A	Dozier	93.92	312	P	P	19 01 46.5	+0.1
U40A	Yellville	94.10	320	P	P	19 01 46.5	-0.7
V41A	Mountainview	94.15	319	P	P	19 01 47.1	-0.4
RLMT	Red Lodge	94.29	335	P	P	19 01 48.6	+0.4
RLMT	Red Lodge	94.29	335	eP	P	19 01 48.5	+0.3
MSO	Missoula	94.30	339	P	P	19 01 47.8	-0.3
T38A	Diamond	94.35	321	P	P	19 01 47.5	-0.9
U39A	Green Forest	94.41	320	P	P	19 01 48.2	-0.5
V40A	Witts Springs	94.49	319	P	P	19 01 48.4	-0.7
V40A	Witts Springs	94.49	319	eP	P	19 01 48.4	-0.7
WHAR	Woolly Hollow	94.59	319	eP	P	19 01 49.2	-0.3
W41B	Gary Mavity, V	94.65	319	P	P	19 01 49.4	-0.4



CSEM 11 18:48:58.0,38°31'N,22°07'E,h6km,ML0.8/4
ATH 11 18:48:58.0,38.31N,22.07E,h6km,3km,ML0.8/4, Error
ellipse: s-maj=3.3km s-min=0.9km az=54.0, Greece

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TRIZ, LAKA, KALE, SERG, ANX, etc.

IDC 11 18:58:59.7,1.6,4:58S:138.46E,h0km,mb3.6/2,
mb1 3.9/6,mb1mx3.6/5.1,mbtmp3.7/6,ML3.7/4, Error
ellipse: s-maj=45.6km s-min=26.8km az=97.0

ISC/JB 11 18:59:03.1,1.2,4:74S:103.2E,0.1,h33km,mb3.6/2,
Error ellipse: s-maj=19.2km s-min=10.1km az=151.2

ISC 11 18:59:04.7,1.4,4:79S:103.2E,0.1,h35km,n6,
t194/8,Irian Jaya

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

MEX 11 19:15:54.0,0.6,16:07N,97.90W,h20km,8km,MD3.6,
Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PNIG, VHO, TLIG, HUIG, PLIG, etc.

IDC 11 19:22:29.4,1.6,12:62N,143.00E,h143km,18km,
mb3.5/10,mb1 3.7/11,mb1mx3.6/4,mbtmp3.9/11, Error
ellipse: s-maj=23.8km s-min=13.7km az=93.0, South of
Mariana Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GUMO, WRA, ASAR, CMAR, STKA, MKAR, ZALV, KURBB, BVAR, YKA, NVAR, etc.

SJA 11 19:26:23.0,3.0,23:31S:60:29W,h210km,ML4.1,MMW3.4
ISC/JB 11 19:26:29.0,2.23:44S:03:63:59W,0.03,h54km,
mb4.4/158, Error ellipse: s-maj=4.2km s-min=3.8km
az=135.8

NEIC 11 19:26:30.9,0.2,23:52S:63:62W,mb4.4/139, Error
ellipse: s-maj=4.9km s-min=4.3km az=225.0

IDC 11 19:26:30.7,0.9,23:58S:63:63W,h46km,9km,mb3.8/19,
mb1 3.9/24,mb1mx3.8/41,mbtmp4.6/24, Error ellipse:
s-maj=15.0km s-min=9.0km az=43.0

ISC 11 19:26:30.3,0.3,23:36S:160:05:63:70W,0.05,h544km,
n480,r1509/506,mb4.4/158,1D,Saita Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YJA, FSA, AHML, CYA, GOO2, PB01, PB04, PB10, etc.

Main table with columns: CPUP, Villa Florida, CPUP, Villa Florida, CPUP, Villa Florida, etc. Includes station names like Villa Florida, IPOC Station P, Minye Minye, Copiap, San Ignacio, Las Campanas, La Paz, Tololo Observa, etc.

Main table with columns: Y46A, Houston, Z44A, Pea Ridge, Bel, 833A, Charraal WMA, X47A, Russelville, W48A, Pulaski, 141A, Papa Simpson, X46A, Booneville, BLA, Blacksburg, NATX, Nacogdoches, IP07, Duail, SPRD, Spring Road, IP03, Lousie, CVRD, Centerville, W47A, Westpoint, 140A, Cam and Jess, V48A, Smith Brothers, 435B, Jarrell, 435B, Jarrell, Z40A, Long Farm, Mag, V47A, Nunnelly, V46A, Holiday, WLAR, White Oak Lake, U48A, Cassie Pea, PO, WWT, Waverly, WVT, Waverly, U47A, Clarksville, SDMD, Soldier's Deli, JCT, Junction City, JCT, Junction City, WHTX, Lake Whitney, WHTX, Lake Whitney, T47A, Sharon Grove, MIAR, Mount Ida, MIAR, Mount Ida, W41B, Gary Mavity, V, LIC, Lamto, S48A, Wiedeman Farm, T46A, Princeton, X39A, Fountain Ranch, V42A, Cord, T4C, Taumodi, MCWV, Mont Chateau, MCWV, Mont Chateau, W40C, Kosak Bok, K10A, Ferguson Farm, W40A, Ferguson Farm, DBIC, Dimbokro, DBIC, Dimbokro, V41A, Mountainview, PAL, Palisades, PAL, Palisades, O56A, Blue Knob Stat, O56A, Blue Knob Stat, U42A, Revenden, WCI, Wyandotte Cave, WCI, Wyandotte Cave, W39A, Magazine, W39A, Magazine, PBMO, Poplar Bluff, YLE, Yale, N59A, State Game Lan, TXAR, Lajitas Array, R47A, Woolly Knot Far, V40A, Wits Springs, V40A, Wits Springs, SSPA, Standing Stone, SSPA, Standing Stone, U41A, Viola, U41A, Greenville, V39A, Pettigrew, ABTX, Abilene, Hawle, ABTX, Abilene, Hawle, T42A, Van Buren, U40A, Yellville, S43A, Fulton Ridge, R45A, Skylar, Fairri, Q47A, Bedford North L, KSPA, Keystone Colle, T41A, Mountain View, U39A, Green Forest, N54A, Moraine State, N54A, Moraine State, BLO, Bloomington, ACSO, Alum Creek Sta

ACSO	Alum Creek Sta comp=Z,14nm,0.7s	66.01 344	eP	P	19 36 22.4	-0.6
HHAR	Hobbs comp=Z,12nm,0.8s	66.07 334	eP	P	19 36 23.6	+0.1
S42A	Caledonia baz=153	66.16 337	P	P	19 36 22.8	-1.3
T40A	Mansfield baz=151	66.26 335	P	P	19 36 24.2	-0.5
Q45A	Warren Farms, baz=151	66.26 339	P	P	19 36 23.4	-1.3
S41A	Jillico Harvey, baz=152,SNR=13	66.35 336	P	P	19 36 24.8	-0.4
BINY	Binghamton comp=Z,11nm,1.4s	66.45 350	eP	P	19 36 25.7	-0.1
M54A	Oil Creek Stat baz=164	66.46 347	P	P	19 36 25.9	0.0
M54A	Oil Creek Stat comp=Z,39nm,1.7s	66.46 347	eP	P	19 36 26.0	+0.2
T39A	Cleaver baz=150	66.48 334	P	P	19 36 25.8	-0.3
TUL1	Leonard baz=148	66.53 332	P	P	19 36 26.4	0.0
TUL1	Leonard comp=Z,6.6nm,0.7s	66.53 332	eP	P	19 36 26.5	+0.2
CCM	Cathedral Cave baz=152	66.57 337	P	P	19 36 25.8	-0.8
CCM	Cathedral Cave comp=Z,11nm,0.9s	66.57 337	eP	P	19 36 25.9	-0.9
R42A	Luebbing baz=153	66.61 337	P	P	19 36 26.0	-0.8
S40A	Lebanon baz=151,SNR=8.0	66.64 335	P	P	19 36 26.8	-0.2
ALLY	Alegheny Coile comp=Z,23nm,0.9s	66.69 347	eP	P	19 36 27.7	+0.5
P45A	Graceland, Par baz=156	66.71 340	P	P	19 36 26.4	-1.0
Q43A	New Douglas baz=154	66.82 338	P	P	19 36 27.0	-1.1
R41A	Rosebud baz=152,SNR=5.4	66.84 337	P	P	19 36 27.4	-0.8
T38A	Diamond baz=150,SNR=19	66.86 334	P	P	19 36 28.5	+0.1
WMOK	Wichita Mounta baz=145	66.90 329	P	P	19 36 29.0	+0.3
WMOK	Wichita Mounta comp=Z,10.0nm,1.1s	66.90 329	eP	P	19 36 28.7	-0.1
S39A	Bolivar baz=150,SNR=16	66.94 335	P	P	19 36 29.6	+0.1
Q42A	Golden Eagle baz=153	67.08 338	P	P	19 36 28.9	-0.7
ERPA	Erie baz=164	67.11 347	P	P	19 36 30.0	+0.2
ERPA	Erie comp=Z,20nm,0.6s	67.11 347	eP	P	19 36 29.8	-0.1
R40A	Maddies State baz=152,SNR=5.8	67.16 336	P	P	19 36 29.6	-0.6
S38A	Stockton baz=150,SNR=7.3	67.22 334	P	P	19 36 30.3	-0.3
SFIN	Lafayette baz=157	67.29 341	P	P	19 36 29.7	-1.2
SFIN	Lafayette comp=Z,12nm,0.6s	67.29 341	eP	P	19 36 29.9	-1.0
MMNY	Mt. Morris Dam comp=Z,20nm,1.2s	67.30 349	eP	P	19 36 30.7	-0.2
O45A	Potomac baz=156	67.36 340	P	P	19 36 30.1	-1.3
Q41A	Truxton baz=153	67.36 337	P	P	19 36 30.6	-0.8
P43A	Skaggs, Pawnee baz=154	67.39 339	P	P	19 36 30.5	-1.0
R39A	Chumby, Stover baz=151,SNR=6.5	67.47 335	P	P	19 36 31.7	-0.4
CLNB	Carlsbad baz=153	67.53 324	eP	P	19 36 32.7	-0.1
P42A	Winchester baz=154	67.62 338	P	P	19 36 31.8	-1.1
N46A	Monticello baz=157	67.65 341	P	P	19 36 32.0	-1.2
R38A	Fenwick Farm, baz=150,SNR=11	67.70 335	P	P	19 36 33.2	-0.3
Q40A	Laux Farm, Auc baz=152	67.71 336	P	P	19 36 32.9	-0.6
GD2L	Guadalupe Moun 67.75 323	eP	P	19 36 34.1	0.0	
N45A	Kentland baz=156	67.84 341	P	P	19 36 33.1	-1.2
MNTX	Cornudas Mount baz=139,SNR=13	67.93 322	P	P	19 36 34.9	-0.2
MNTX	Cornudas Mount comp=Z,5.9nm,0.9s	67.93 322	eP	P	19 36 34.3	-0.8
P41A	Barry, Barry baz=153	67.94 337	P	P	19 36 34.2	-0.8
N44A	Piper City baz=156	67.98 340	P	P	19 36 34.1	-1.1
Q39A	Willow Grove F baz=151	68.09 336	P	P	19 36 35.2	-0.6
HDIL	Hopedale baz=153	68.14 339	P	P	19 36 35.2	-0.9
HDIL	Hopedale comp=Z,28nm,0.8s	68.14 339	eP	P	19 36 34.6	-1.5
P40A	Paris baz=152	68.17 337	P	P	19 36 35.7	-0.7
Q38A	Cooks Store, C baz=150	68.26 335	P	P	19 36 36.6	-0.3
MSTX	Muleshoe baz=142,SNR=12	68.27 326	P	P	19 36 37.5	+0.3
MSTX	Muleshoe comp=Z,27nm,0.8s	68.27 326	eP	P	19 36 37.6	+0.4
P39B	Salisbury baz=151,SNR=8.2	68.39 336	P	P	19 36 37.1	-0.6
AMTX	Amarillo baz=143	68.43 327	P	P	19 36 38.1	-0.1
AMTX	Amarillo comp=Z,13nm,1.0s	68.43 327	eP	P	19 36 37.9	-0.3
N43A	Stutzman Famil baz=155	68.44 339	P	P	19 36 37.3	-0.6
Q37A	Longview Farm, baz=150	68.51 335	P	P	19 36 38.0	-0.4
N42A	Yates City baz=151	68.63 339	P	P	19 36 38.3	-0.8
O40A	La Belle baz=152	68.63 337	P	P	19 36 38.3	-0.8
N41A	Harden Midland baz=153	68.79 338	P	P	19 36 39.4	-0.7
P38A	Dawn baz=151	68.80 336	P	P	19 36 39.6	-0.5
M43A	Waltham Townsh baz=155	68.83 340	P	P	19 36 39.6	-0.7
P37A	Lathrop baz=150	69.08 335	P	P	19 36 41.3	-0.6
N40A	Mertquake, Sal baz=153	69.20 338	P	P	19 36 42.0	-0.5
O38A	Galt baz=151	69.21 336	P	P	19 36 42.1	-0.5
M41A	Milan baz=154	69.28 339	P	P	19 36 42.5	-0.5
L43A	Garden Prairie baz=156	69.44 340	P	P	19 36 43.4	-0.5
KOWA	Kowa comp=Z,6.3nm,0.3s,baz=237,slow=4.5,SNR=32	69.55 63	P	P	19 36 45.2	+0.1
KOWA	Kowa comp=Z,11nm,0.6s	69.55 63	eP	P	19 36 45.0	-0.2
L42A	Oliver, Polo baz=155	69.56 340	P	P	19 36 43.9	-0.7
M40A	Post Highland baz=153	69.64 338	P	P	19 36 44.2	-0.9
N38A	Joos South For baz=151	69.71 336	P	P	19 36 45.0	-0.6
K43A	Burlington baz=156	69.79 341	P	P	19 36 45.5	-0.5
L41A	Preston baz=154	69.90 339	P	P	19 36 45.6	-1.1
121A	Cookes Peak, D baz=137	69.92 321	P	P	19 36 48.8	+1.5
319A	Douglas comp=Z,11nm,0.8s	69.95 319	eP	P	19 36 48.1	+0.7
L40A	Anamosa baz=153	70.13 339	P	P	19 36 47.5	-0.5
M38A	Pleasantville baz=151	70.24 337	P	P	19 36 47.9	-0.8
K41A	Shullsburg baz=154	70.31 339	P	P	19 36 48.5	-0.6
N36A	Muff Farm, Cla baz=150	70.38 335	P	P	19 36 49.3	-0.2
J43A	Natural Harves baz=156	70.43 341	P	P	19 36 49.4	-0.4
L39A	Vinton baz=152	70.44 338	P	P	19 36 49.3	-0.6
BNM	Barren Site baz=152	70.46 323	eP	P	19 36 51.4	+0.9
M37A	Trindle Farm, baz=139	70.55 336	P	P	19 36 50.3	-0.2
JFWS	Jewell Farm baz=154	70.57 340	P	P	19 36 50.3	-0.3
JFWS	Jewell Farm comp=Z,4nm,0.7s	70.57 340	eP	P	19 36 50.0	-0.7
J42A	Columbus baz=155	70.58 341	P	P	19 36 50.2	-0.5
K40A	Colesburg baz=155	70.67 339	P	P	19 36 50.8	-0.4
CBKS	Cedar Bluff baz=145	70.68 331	P	P	19 36 52.4	+1.0
CBKS	Cedar Bluff comp=Z,35nm,0.8s	70.68 331	eP	P	19 36 52.5	+1.0
L38A	Oak Wood Farm, baz=152	70.80 337	P	P	19 36 51.5	-0.5
I43A	Langenfeld Bro baz=156	70.81 342	P	P	19 36 51.3	-0.7
M36A	Felix, Anita baz=150	70.87 336	P	P	19 36 52.0	-0.4
J41A	Loganville baz=154	70.90 340	P	P	19 36 52.0	-0.6
K39A	Olwein baz=153	70.92 338	P	P	19 36 52.2	-0.5
ANMO	Albuquerque baz=139	70.96 324	P	P	19 36 54.7	+1.3
ANMO	Albuquerque comp=Z,14nm,1.4s	70.96 324	eP	P	19 36 54.5	+1.1
I42A	Draeger Farm, baz=156	71.04 341	P	P	19 36 53.0	-0.3
J40A	Soldiers Grove baz=154	71.16 340	P	P	19 36 53.6	-0.5
K38A	Parkersburg baz=152	71.17 338	P	P	19 36 53.7	-0.5
H43A	Windswept, Lux baz=157	71.24 342	P	P	19 36 53.9	-0.6
L36A	Harm Buss Farm baz=150	71.38 336	P	P	19 36 55.0	-0.4
J39A	Decorah baz=153	71.42 339	P	P	19 36 55.0	-0.6
TUC	Tucson baz=135	71.52 319	P	P	19 36 57.7	+1.2
T25A	Trinidad baz=141,SNR=5.6	71.57 327	P	P	19 36 58.4	+1.5
T25A	Trinidad comp=Z,2nm,0.9s	71.57 327	eP	P	19 36 57.9	+1.0
MHTCO	State Highway comp=Z,11nm,1.1s	71.70 326	eP	P	19 36 58.9	+1.2
G43A	Wallace baz=157	71.94 342	P	P	19 36 58.0	-0.5
J37A	Reed Julius Farm, baz=151	72.03 338	P	P	19 36 59.0	-0.2
G42A	Mountain baz=156	72.13 342	P	P	19 36 59.2	-0.5
H40A	Chiswick baz=154	72.15 340	P	P	19 36 59.5	-0.4
I38A	Scanlan Farm, baz=152	72.26 339	P	P	19 36 59.9	-0.6
F43A	Flat Rock, Esc baz=135	72.33 343	P	P	19 37 00.3	-0.5
214A	Organ Pipe Nat baz=133	72.50 318	P	P	19 37 03.5	+1.3
I37A	Lemond, Waseca baz=153	72.60 338	P	P	19 37 02.2	-0.2
X18A	Snowflake comp=Z,8.1nm,1.0s	72.61 321	eP	P	19 37 04.0	+1.1
F41A	Three Lakes baz=156	72.78 342	P	P	19 37 03.3	-0.2
E43A	Loon Tree Farm baz=158	72.78 343	P	P	19 37 03.4	-0.1
SYO	Syowa Base baz=157	72.81 158	eP	P	19 37 02.0	-1.3
W18A	Petrified Fore baz=152	72.91 322	P	P	19 37 05.9	+1.2
H37A	Dierke Farm, C baz=152	72.93 339	P	P	19 37 03.7	-0.7
G39A	Holcombe baz=154	72.99 340	P	P	19 37 04.0	-0.6
E42A	Champion baz=157	73.08 343	P	P	19 37 05.2	0.0
F40A	Park Falls baz=155	73.24 341	P	P	19 37 06.3	+0.1
S22A	4UR Ranch, Cre baz=139	73.27 326	P	P	19 37 08.0	+1.2
S22A	4UR Ranch, Cre comp=Z,3.3nm,0.9s	73.27 326	eP	P	19 37 07.3	+0.5
Q24A	Divide baz=141,SNR=6.3	73.35 327	P	P	19 37 08.7	+1.4
Q24A	Divide comp=Z,14nm,0.8s	73.35 327	eP	P	19 37 08.4	+1.2
X16A	Lo Ma Camp, P comp=Z,6.8nm,1.0s	73.39 320	eP	P	19 37 09.1	+1.6
E41A	Kenton baz=156	73.40 342	P	P	19 37 06.6	-0.4
F39A	Loretta baz=154	73.48 341	P	P	19 37 06.9	-0.5
ECSD	EROS Data Cent baz=149	73.51 336	P	P	19 37 07.2	-0.4
ECSD	EROS Data Cent comp=Z,6.0nm,0.8s	73.51 336	eP	P	19 37 07.7	0.0
TOA0	Torodi Ar. Sit baz=157	73.61 67	eP	P	19 37 08.5	-0.4
TOA0	Torodi Ar. Sit comp=Z,15nm,0.6s,baz=260,slow=5.9,SNR=97	73.61 67	eP	P	19 39 04.9	+2.3
TOA1	Torodi Ar. Sit baz=157	73.61 67	eP	P	19 39 03.3	+0.8
TORD	Torodi Ar. Bea comp=Z,11nm,0.6s,baz=260,slow=5.9,SNR=97	73.61 67	eP	P	19 37 08.7	-0.2
TORD	Torodi Ar. Bea comp=Z,1.6nm,0.8s,baz=252,slow=4.8,SNR=40	73.61 67	eP	P	19 39 03.3	+0.8
113A	Mohawk Valley baz=155	73.65 318	eP	P	19 37 09.9	+1.2
E40A	Wakfield baz=155	7				

11d 20h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PAHR, DLMT, LRM, MFID, EGMF, etc.

DDA 11 19:28:16.9, 34.49N, 34.34E, h8km, M12.9
ISK 11 19:28:17.9, 34.42N, 34.27E, h10km, M12.5/5
CSEM 11 19:28:19.0, 0.2, 34.30N, 34.24E, h20km, MD2.5, Error ellipse: s-maj=8.2km s-min=3.6km az=71.0

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

2012 MAY

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HRFI, EIL, MAN 11, etc.

SJA 11 19:41:14.8, 0.5, 32.99S, 72.57W, h10km, ML3.7, MW3.6
IDC 11 19:41:18.6, 0.8, 32.88S, 71.92W, h0km, mb3.0/7, mb1.4/1.1, mb1mx3.9/32, mbtmp3.8/1.1, ML3.8, 8/4, Error ellipse: s-maj=31.5km s-min=21.4km az=86.0

ISC 11 19:41:22.0, 1.4, 32.91S, 0.04, 72.03W, 0.05, h2km, 1.0km, n62, c1568/65, mb4.2/1.1, 2D, Off coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PEL, ANTU, CLCH, FCH, LMEH, etc.

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

ISCJB 11 19:48:55.0, 0.4, 39.09N, 0.03, 29.17E, 0.03, h4km, 5km, Error ellipse: s-maj=4.7km s-min=3.5km az=171.9
CSEM 11 19:48:54.7, 0.2, 39.11N, 29.19E, h8km, ML2.1, Error ellipse: s-maj=4.7km s-min=3.5km az=146.0

ISC 11 19:48:54.3, 39.15N, 29.17E, h6km, ML2.1/5
ISC 11 19:48:54.9, 0.2, 39.11N, 0.02, 29.17E, 0.02, h11km, 5km, n35, c076/58, Turkey

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

ISCJB 11 19:52:12.5, 0.6, 25.84N, 0.04, 129.92E, 0.04, h10km, mb3.6/6, Error ellipse: s-maj=5.5km s-min=5.1km az=167.0

JMA 11 19:52:14.0, 0.1, 25.81N, 130.06E, h42km, M3.4
IDC 11 19:52:14.9, 4.1, 25.41N, 130.31E, h0km, mb3.7/6, mb1.3/7.6, mb1mx3.4/6.1, mbtmp3.7/6, Error ellipse: s-maj=23.6km s-min=17.9km az=66.0

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

IDC 11 20:01:18.9, 1.4, 4.17S, 150.56E, h0km, mb3.8/7, mb1.4/0.7, mb1mx3.6/45, mbtmp3.7/7, Error ellipse: s-maj=54.6km s-min=22.5km az=123.0
ISCJB 11 20:01:22.8, 1.3, 4.2S, 0.2, 150.4E, 0.3, h33km, mb3.6/7, Error ellipse: s-maj=44.9km s-min=11.1km az=26.9
ISC 11 20:01:24.1, 4.2, 2S, 0.2, 150.5E, 0.3, h35km, n9, c1904/9, mb3.7/7, New Britain region









11d 20h

Table with columns: AAK, Ala-Archa, 51.69 302 P, P, 20 42 55.0 +0.6, comp=Z,60nm,0.8s,baz=104,slow=5.4,SNR=302

2012 MAY

Table with columns: SCM, Sheep Creek Mo, 55.93 33 eP, P, 20 43 25.0 +0.8, comp=Z,227nm,0.6s

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Table with columns: LVZ, Lovozero, 66.94 336 eP, P, 20 44 37.5 +0.7, comp=Z,93nm,1.0s

VSR		eS	S	20 53 55.9	-2.0	
VSR	comp=Z,180nm,0.9s	smax	smax			
VORD	Divnogorie	72.23 319	eP	P	20 45 08.2	-0.7
VORD	comp=Z,170nm,0.6s	eP	P			
ALNE	Al Ain	72.36 288	i P	P	20 45 10.7	+0.5
ALNE	Al Ain	72.36 288	i P	P	20 45 10.7	+0.5
PGC	Sidney	72.40 44	eP	P	20 45 10.4	+0.5
PGC	comp=Z,56nm,0.8s	eP	P			
LLBL	Lillooet	72.43 41	eP	P	20 46 38.2	+0.6
LLBL	comp=Z,32nm,1.0s	eP	P			
LLBL	Pulkovo	72.46 330	i P	P	20 46 37.9	0.0
PUL	comp=Z,94nm,0.5s	eP	P			
GOF	Gofitskoye	72.61 312	i P	P	20 45 11.8	+0.5
GOF	comp=Z,193nm,1.2s	eP	P			
AJN	Ajban	72.76 289	i P	P	20 45 12.5	0.0
AJN	comp=Z,73	72.76 289	i P	P	20 45 12.5	0.0
A04D	Lummi Island	72.81 43	P	P	20 45 14.1	+1.7
NCK	Nalchik	72.94 311	d i P	P	20 45 13.4	+0.1
NCK	comp=Z,49nm,1.0s	eP	P			
TBLG	Delisi	72.96 309	eP	P	20 45 14.3	+0.8
TBLG	comp=Z,83nm,1.2s	eP	P			
TBLG	Delisi	72.96 309	eP	P	20 45 13.6	+0.2
ZEI	Tsey	73.06 310	eP	P	20 45 09.3	-4.9
ZEI	comp=Z,53nm,0.8s	eP	P			
B013	Qulicene	73.10 44	eP	P	20 45 13.4	-0.6
MBW	Mount Baker	73.26 43	eP	P	20 45 16.6	+1.4
EW3A	Lebam	73.28 46	eP	P	20 45 16.8	+1.7
KBZ	Khabaz	73.30 311	P	P	20 45 16.1	+0.8
KBZ	comp=Z,106nm,0.8s,baz=81,slow=4.0,SNR=258	73.30 311	P	P	20 45 16.1	+0.8
FIA1	FINESS Array S	73.32 332	eP	P	20 45 14.8	-0.3
FIA1	comp=Z,55nm,0.9s	73.32 332	eP	P	20 45 14.8	-0.3
FIA0	FINESS Array S	73.32 332	eP	P	20 45 15.4	+0.3
FIA0	comp=Z,55nm,0.9s	73.32 332	eP	P	20 45 15.4	+0.3
FIA0	FINESS Array S	73.32 332	eP	P	20 46 43.6	+0.6
FIA0	comp=Z,55nm,0.9s	73.32 332	eP	P	20 46 43.6	+0.6
FINES	FINESS Array B	73.32 332	eP	P	20 54 08.7	-1.5
FINES	comp=Z,63nm,0.8s,baz=69,slow=5.1,SNR=192	73.32 332	eP	P	20 54 08.7	-1.5
FINES	comp=Z,8.8nm,0.8s,baz=59,slow=7.4,SNR=4.1	73.32 332	eP	P	20 46 43.6	+0.6
FINES	comp=Z,2.2nm,0.8s,baz=48,slow=16,SNR=4.5	73.32 332	eP	P	20 54 08.6	-1.5
KIV	Kislovodsk	73.33 311	P	P	20 45 15.9	+0.3
KIV	comp=Z,130nm,0.9s	73.33 311	P	P	20 45 15.9	+0.3
KIV	Kislovodsk	73.33 311	P	P	20 45 16.6	+1.0
KIV	comp=Z,130nm,0.9s	73.33 311	P	P	20 45 16.6	+1.0
KIV	Kislovodsk	73.33 311	i P	P	20 45 16.2	+0.6
KIV	comp=Z,130nm,0.9s	73.33 311	i P	P	20 45 16.2	+0.6
KIV	Kislovodsk	73.33 311	eP	P	20 45 16.2	+0.6
KIV	comp=Z,130nm,0.9s	73.33 311	eP	P	20 45 16.2	+0.6
KIV	Kislovodsk	73.33 311	eP	P	20 46 44.6	+1.0
KIV	comp=Z,130nm,0.9s	73.33 311	eP	P	20 47 27.3	+1.3
KIV	Kislovodsk	73.33 311	eP	P	20 54 12.0	+0.8
KIV	comp=Z,165nm,1.1s	73.33 311	eP	P	20 45 16.6	+1.0
KIV	comp=Z,24nm,2.6s	73.33 311	eP	P	20 45 16.6	+1.0
B05A	Bryant	73.38 43	P	P	20 45 17.1	+1.4
F03A	Seaside	73.57 46	eP	P	20 45 18.3	+1.5
B06A	Marblemont	73.62 43	eP	P	20 45 18.5	+1.4
NEY	Neytrino	73.62 311	eP	P	20 45 17.8	+0.4
NEY	comp=Z,9.0nm,0.9s	73.62 311	eP	P	20 45 17.8	+0.4
GNI	Garni	73.66 307	eP	P	20 45 18.5	+0.8
GNI	comp=Z,78nm,0.9s	73.66 307	eP	P	20 45 18.5	+0.8
GNI	Garni	73.66 307	P	P	20 45 19.4	+1.7
GNI	comp=Z,33	73.66 307	P	P	20 45 19.4	+1.7
GNI	Garni	73.66 307	i P	P	20 45 18.8	+1.1
GNI	comp=Z,39	73.66 307	i P	P	20 45 18.8	+1.1
GNI	Garni	73.66 307	i P	P	20 45 18.8	+1.1
GNI	comp=Z,39	73.66 307	i P	P	20 45 18.8	+1.1
GNI	Garni	73.66 307	d i P	P	20 45 18.9	+1.2
F04D	Rainier, OR	73.83 46	P	P	20 45 19.8	+1.5
AKH	Akhalkalaki	73.94 309	eP	P	20 45 20.6	+1.3
AKH	comp=Z,84nm,1.2s	73.94 309	eP	P	20 45 20.6	+1.3
AKH	Akhalkalaki	73.94 309	eP	P	20 45 20.2	+0.9
AKH	comp=Z,84nm,1.2s	73.94 309	eP	P	20 45 20.2	+0.9
AKH	Akhalkalaki	73.94 309	eP	P	20 45 20.2	+0.9
AKH	comp=Z,84nm,1.2s	73.94 309	eP	P	20 45 20.2	+0.9
D05A	Enunclaw	73.95 44	eP	P	20 45 20.9	+1.9
G03D	McMinnville, O	74.08 47	P	P	20 45 21.6	+1.8
TASB	TASBURUN-IGDIR	74.08 307	eP	P	20 45 21.5	+1.5
OBSR	Observation Ro	74.19 45	eP	P	20 45 22.4	+1.7
LOH	Longmire	74.26 45	eP	P	20 45 21.5	+0.6
LOH	comp=Z,23nm,1.3s	74.26 45	eP	P	20 45 21.5	+0.6
LOH	Longmire	74.26 45	eP	P	20 45 21.5	+0.6
LOH	comp=Z,23nm,1.3s	74.26 45	eP	P	20 45 21.5	+0.6
COR	Corvallis	74.35 47	eP	P	20 45 23.2	+1.9
COR	comp=Z,75nm,1.0s	74.35 47	eP	P	20 45 23.2	+1.9
COR	Corvallis	74.35 47	eP	P	20 45 23.2	+1.9
COR	comp=Z,75nm,1.0s	74.35 47	eP	P	20 45 23.2	+1.9
MOR8	Moi Rana	74.47 340	eP	P	20 45 21.0	-0.5
KEBM	Edson Butte	74.48 49	eP	P	20 45 23.8	+1.6
CLDR	Caldra	74.68 307	eP	P	20 45 23.9	+0.3
MZR	Muzera	74.69 288	i P	P	20 45 23.7	0.0
MZR	comp=Z,36	74.69 288	i P	P	20 45 23.7	0.0
LTY	Liberty	74.70 44	eP	P	20 45 23.9	+0.5
VSU	Vasula	74.72 330	d i P	P	20 45 23.5	+0.4
VSU	comp=Z,232nm,0.8s	74.72 330	d i P	P	20 45 23.5	+0.4
I03D	Drain, OR	74.73 48	P	P	20 45 25.5	+2.0
B08A	Colville Reser	74.96 42	eP	P	20 46 53.0	+0.7
B08A	comp=Z,35nm,1.0s	74.96 42	eP	P	20 46 53.0	+0.7
H04A	Detroit Lake	75.00 47	eP	P	20 45 25.8	+0.7
SENK	Senkaya-Erzuru	75.10 308	eP	P	20 45 27.4	+1.5
AGRB	Hanru-Agry	75.12 307	eP	P	20 45 27.4	+1.4
BCA	Borkca	75.18 309	eP	P	20 45 26.7	+0.6
G05D	Wamic, OR	75.28 46	P	P	20 45 28.1	+1.5
I02A	Tendick Farm,	75.28 48	P	P	20 45 28.0	+1.3
I04D	Cave Junction,	75.29 50	P	P	20 45 28.3	+1.6
I04D	comp=Z,298,SNR=30	75.29 50	P	P	20 45 28.3	+1.6
VANB	Van	75.30 306	eP	P	20 45 28.1	+1.1
SOC	Sochi	75.41 312	d i P	P	20 45 27.5	+0.2
SOC	comp=Z,107nm,0.9s	75.41 312	d i P	P	20 45 27.5	+0.2
SOC	Sochi	75.41 312	d i P	P	20 54 23.4	-1.0
SOC	comp=Z,99nm,0.8s	75.41 312	d i P	P	20 54 23.4	-1.0
SOC	Sochi	75.41 312	d i P	P	20 54 36.7	-2.2

HUMO	Hull Mountain	75.50 49	eP	P	20 45 29.2	+1.4
HUMO	comp=Z,9.8nm,0.8s	75.50 49	eP	P	20 45 29.2	+1.4
E07A	Sunnyside	75.53 44	eP	P	20 45 28.8	+0.8
E07A	comp=Z,47nm,1.3s	75.53 44	eP	P	20 45 28.8	+0.8
I05D	Terrebonne, OR	75.70 47	P	P	20 45 30.5	+1.4
I05D	comp=Z,299,SNR=10	75.70 47	P	P	20 45 30.5	+1.4
G06A	Carlson Farm,	75.70 46	eP	P	20 45 29.5	+0.5
G06A	comp=Z,37nm,1.1s	75.70 46	eP	P	20 45 29.5	+0.5
EDM	Edmonton	75.73 36	eP	P	20 45 29.6	+0.6
EDM	comp=Z,38nm,0.8s	75.73 36	eP	P	20 45 29.6	+0.6
J04D	Umpqua Nationa	75.74 48	P	P	20 45 31.1	+1.6
J04D	comp=Z,39nm,0.8s	75.74 48	P	P	20 45 31.1	+1.6
HAWA	Hanford	75.81 44	eP	P	20 45 30.6	+1.1
HAWA	comp=Z,32nm,1.2s	75.81 44	eP	P	20 45 30.6	+1.1
KHMM	Horse Mountain	75.81 51	eP	P	20 45 30.6	+0.7
KHMM	comp=Z,32nm,1.2s	75.81 51	eP	P	20 45 30.6	+0.7
F07A	Phinny Hill Vi	75.81 45	eP	P	20 45 31.2	+1.7
F07A	comp=Z,37nm,0.8s	75.81 45	eP	P	20 45 31.2	+1.7
D08A	Wollman Farm,	75.84 44	eP	P	20 45 30.3	+0.6
D08A	comp=Z,41nm,0.8s	75.84 44	eP	P	20 45 30.3	+0.6
C09A	Chrisman Ranch	75.85 43	eP	P	20 47 00.4	+2.1
C09A	comp=Z,39nm,0.9s	75.85 43	eP	P	20 47 00.4	+2.1
C09A	Chrisman Ranch	75.85 43	eP	P	20 45 30.8	+1.0
C09A	comp=Z,39nm,0.9s	75.85 43	eP	P	20 45 30.8	+1.0
C09A	Cayell-Rize	75.91 309	eP	P	20 46 58.9	+0.4
C09A	comp=Z,17nm,0.8s,baz=359,slow=3.0,SNR=30	75.91 309	eP	P	20 46 58.9	+0.4
E08A	Davell Farm, EI	76.04 44	eP	P	20 45 31.3	+0.5
E08A	comp=Z,27nm,0.8s	76.04 44	eP	P	20 45 31.3	+0.5
E08A	Yreka Blue Hor	76.08 50	eP	P	20 47 01.7	+2.2
E08A	comp=Z,17nm,0.8s,baz=359,slow=3.0,SNR=30	76.08 50	eP	P	20 47 01.7	+2.2
YBH	Yreka Blue Hor	76.08 50	eP	P	20 45 32.8	+1.6
YBH	comp=Z,17nm,0.8s,baz=359,slow=3.0,SNR=30	76.08 50	eP	P	20 45 32.8	+1.6
YBH	Yreka Blue Hor	76.13 50	eP	P	20 47 01.1	+2.1
YBH	comp=Z,4.2nm,0.9s,baz=133,slow=1.8,SNR=3.4	76.13 50	eP	P	20 47 01.1	+2.1
YBH	Yreka Blue Hor	76.13 50	eP	P	20 45 32.6	+1.4
YBH	comp=Z,23nm,0.9s	76.13 50	eP	P	20 45 32.6	+1.4
YBH	KMRM Mail Ridge	76.13 51	eP	P	20 47 02.7	+2.7
YBH	comp=Z,35nm,1.1s	76.13 51	eP	P	20 47 02.7	+2.7
M02C	Callahan	76.14 50	P	P	20 45 33.4	+1.8
M02C	comp=Z,35nm,1.1s	76.14 50	P	P	20 45 33.4	+1.8
PINE	Pine Mountain	76.22 47	eP	P	20 45 33.8	+1.7
PINE	comp=Z,104nm,0.8s	76.22 47	eP	P	20 45 33.8	+1.7
PINE	Pine Mountain	76.22 47	eP	P	20 46 59.6	-1.2
PINE	comp=Z,299,SNR=9.8	76.22 47	eP	P	20 46 59.6	-1.2
ANN	Anapa	76.25 314	d i P	P	20 54 40.0	0.0
ANN	comp=Z,104nm,0.8s	76.25 314	d i P	P	20 54 40.0	0.0
ANN	Anapa	76.25 314	d i P	P	20 54 40.7	-2.2
ANN	comp=Z,104nm,0.8s	76.25 314	d i P	P	20 54 40.7	-2.2
K04D	Chiloquin, OR	76.27 49	P	P	20 45 33.8	+1.5
K04D	comp=Z,296nm,1.4s	76.27 49	P	P	20 45 33.8	+1.5
J05D	Fort Rock, OR	76.28 48	P	P	20 45 34.2	+1.8
J05D	comp=Z,299,SNR=24	76.28 48	P	P	20 45 34.2	+1.8
NEW	Newport	76.28 42	P	P	20 45 33.3	+1.1
NEW	comp=Z,19nm,0.8s,baz=306,slow=4.5,SNR=18	76.28 42	P	P	20 45 33.3	+1.1
NEW	Newport	76.28 42	P	P	20 47 02.9	+1.9
NEW	comp=Z,3.5nm,0.5s,baz=334,slow=3.8,SNR=3.5	76.28 42	P	P	20 47 02.9	+1.9
NEW	Newport	76.28 42	P	P	20 45 33.3	+1.1
NEW	comp=Z,3.5nm,0.5s,baz=334,slow=3.8,SNR=3.5	76.28 42	P	P	20 45 33.3	+1.1
NEW	Newport	76.28 42	eP	P	20 45 32.5	+0.3
NEW	comp=Z,301	76.28 42	eP	P	20 45 32.5	+0.3
NEW	Newport	76.28 42	eP	P	20 46 59.0	-2.0
NEW	comp=Z,27nm,0.9s	76.28 42	eP	P	20 46 59.0	-2.0
NEW	Minsk	76.42 326	eP	P	20 4	

11d 20h

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like EGMGT Eagleton, MDPB Devils Postpil, and many others.

2012 MAY

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like AMRR Amara, PGOR Pogoenetsi, and many others.

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Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like PDRAR Sheep Range, SHPR Sheep Range, and many others.





Table with columns: SKY, KNL, BLCB, ALN, etc. and rows listing various stations and their coordinates.

IDC 11 21:37:00.8-2.1, 18.14Sx167.41E, h0km, mb3.6/4, mb1 3.9/5, mb1mx3.6/48, mbtmp3.6/5, ML3.0/1, Error ellipse: s-maj=51.7km s-min=33.7km az=132.0, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like DZM, WRA, ASAR, FITZ, ILAR.

ISCJB 11 21:44:13.6-0.5, 27.74N-139.80E, h10km, mb3.5/8, Error ellipse: s-maj=12.2km s-min=7.1km az=158.8

IDC 11 21:44:14.6-1.3, 27.82N-140.03E, h483km, 16km, mb3.2/8, mb1 3.2/10, mb1mx2.9/71, mbtmp4.1/10, Error ellipse: s-maj=35.0km s-min=12.8km az=73.0

JMA 11 21:44:15.9-0.3, 27.90N-139.80E, h463km, M3.6, ISC 11 21:44:14.6-0.6, 27.83N-140.09E, h10km, n16, h191/19, mb3.6/8, Bonin Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like CBJJ, CJJ, JCH, BSO3, JHU, JRY, JRO, ZALV, WRA, MKAR, KURBB, ASAR, BVAR, FINES, HORS, TORD.

IDC 11 21:44:22.1-3.0, 6.12S-147.88E, h250km, 33km, mb3.2/3, mb1 3.4/5, mb1mx3.0/57, mbtmp3.8/5, Error ellipse: s-maj=73.2km s-min=23.7km az=134.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like PMG, WRA, ASAR, FITZ, ILAR, TORD.

IDC 11 21:45:20.9, 39.49N-25.95E, h7km, M2.5, DDA 11 21:45:22.3-0.5, 39.52N-26.02E, h10km, 4km, Error ellipse: s-maj=5.6km s-min=3.7km az=166.4, ATH 11 21:45:22.4, 39.52N-26.02E, h16km, 8km, ML1.6/6, Error ellipse: s-maj=8.2km s-min=0.9km az=183.0, CSEM 11 21:45:22.0-0.3, 39.50N-26.01E, h15km, ML1.6, Error ellipse: s-maj=6.8km s-min=5.2km az=60.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like SGR, SIGR, PRK, BOZC, BAYC, AYVA, LIA, SMTH, CHOS, CHOS, URLA, URLA, ZEY, STEP, KNL, ALN, ALN, KESN, KESN, DGB.

NNC 11 21:48:32.6-4.0, 37.68N-71.39E, h0km, mb3.7, mpv3.3, 4C-6D, Error ellipse: s-maj=30.7km s-min=26.7km az=156.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like SFK, MNAS, UCH, EK2S, KZA, KK31, AAK, AAK, TKM2, TKM2.

SKHL 11 21:59:39.2-0.2, 43.37N-146.88E, h33km, 1km, mb4.0/4, JMA 11 21:59:39.0-0.3, 43.34N-146.81E, h44km, 4km, M3.7, ISC 11 21:59:38.3-3.2, 43.33N-146.87E, h10km, 22km, n8, n19/13, 11C, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like NEM2, YUK, YUK, GRPR, GRPR, LAGR, LAGR, YUK, YUK, GRPR, GRPR, LAGR, LAGR, YUK, YUK, GRPR, GRPR, LAGR, LAGR.

TIR 11 22:00:16.8, 42.91N-18.69E, h10km, Md2.9/3, CSEM 11 22:00:19.8-0.2, 42.82N-18.81E, h17km, 1km, ML2.0, Error ellipse: s-maj=3.4km s-min=2.7km az=91.0, ISCJB 11 22:00:24.0-0.3, 42.80N-18.81E, h22km, 3km, Error ellipse: s-maj=3.4km s-min=2.7km az=91.3, BEO 11 22:00:20.6-0.5, 42.75N-18.92E, h17km, 2km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like NKME, NKME, NKY, NKY, BRY, BRY, CEVE, CEVE, TREB, TREB, UNAC, UNAC, UPN, UPN, HCV, HCV, PDG, PDG, PDG, PDG, TTT, TTT, KOME, KOME, BUM, BUM, BUM, BUM, PLE, PLE, DRME, DRME, BEY, BEY, IVA, IVA, STON, STON, PVY, PVY, ULC, ULC, ULC, ULC, SLES, SLES, BCI, BCI, BCI, BCI, PUK, PUK, PUK, PUK, BBLs, BBLs, BBLs, BBLs, IVAS, IVAS, IVAS, IVAS, HAPS, HAPS, HAPS, HAPS, DIVS, DIVS, DIVS, DIVS, PESH, PESH, PESH, PESH, SELS, SELS, SELS, SELS, GRUS, GRUS, GRUS, GRUS, TEKS, TEKS, TEKS, TEKS, TRUS, TRUS, TRUS, TRUS, BARS, BARS, BARS, BARS, BOVS, BOVS, BOVS, BOVS, ZAGS, ZAGS, ZAGS, ZAGS, UDBI, UDBI, UDBI, UDBI, ZAPS, ZAPS, ZAPS, ZAPS.

CSEM 11 22:07:01.5, 43.20N-12.80E, h21km, ML1.1/21, ROM 11 22:07:01.5-0.1, 43.20N-12.796E, h21km, ML1.1/11, Central Italy

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like AVT, AVT, ZAVO, ZAVO, TRUS, TRUS, BARS, BARS, BOVS, BOVS, ZAGS, ZAGS, UDBI, UDBI, ZAPS, ZAPS, TRUS, TRUS, BARS, BARS, BOVS, BOVS, ZAGS, ZAGS, UDBI, UDBI, ZAPS, ZAPS.

CSEM 11 22:07:01.5, 43.20N-12.80E, h21km, ML1.1/21, ROM 11 22:07:01.5-0.1, 43.20N-12.796E, h21km, ML1.1/11, Central Italy



11d 22h

Table with columns: STNG, Esanotoglia, 0.12 64, P, P, AML, AML, 22 07 05.8 -2.3. Includes various station names like Monte Urbano, Assisi San Ben, etc.

IDC 11 22:07:33.2, 0.8, 46:33S; 167:51E, h0km, mb4.4/7, mb1 4.9, mb1mx3.4/1, mbtmpt4.5/9, ML4.6/2, MS3.9/18, Ms1 3.9/18, ms1mx3.6/36, Error ellipse: s-maj=28.8km s-min=20.4km az=164.0

2012 MAY

Main table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, h m s ISC. Lists numerous stations like Puysegur Point, Wether Hill, etc.

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Table with columns: SYO, SNA, LEM, DAV, H08S2, H08S1, H08S3, CM01, CMAR, NJ2, NJ2, KSRS, KSAR, KMI, KMI, CD2, BOSA, PETK, HHC, WMQ, KSH, KSH, KSH, MKAR, INUK, KURB, KURK, YKA, SWET, GOGA, TOAO, FRB, BR13, BRTR, SPITS, KOWA, KOWA, IDI, ARCES, AKASO, AK11, TAM, FINES, MLR, GERES, MON. Lists various stations and their coordinates.

IDC 11 22:14:43.3, 5.3, 14:94N; 92:19W, h35km, 41km, mb3.5/3, mb1 3.8/5, mb1mx3.4/48, mbtmpt3.6/5, ML3.6/2, Error ellipse: s-maj=54.6km s-min=25.4km az=38.0

MEX 11 22:14:45.4, 0.8, 14:57N; 92:33W, h71km, 9km, MD3.8

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, h m s ISC. Lists stations like THIG, THIG, PCIG, PCIG, APG, APG, TGIG, TGIG, CMIG, JTS, JTS, NVAR, YKA, ILAR, WRA, CMAR.

NEIC 11 22:15:33.8, 1.5, 24:41S; 66:61W, h134km, 13km, mb4.2/6, Error ellipse: s-maj=21.6km s-min=11.8km az=73.0

ISCJB 11 22:15:44.0, 7.0, 23:66S; 67:53W, h153km, 30km, ML2.6, MW2.6

GUC 11 22:15:44.0, 0.7, 23:70S; 67:18W, h240km, 10km, ML4.3

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, h m s ISC. Lists stations like HJA, YJA, YJA, YJA, FSA, FSA, FSA, PB15, PB15, PB15, PB06, PB06, PB06, GO02, GO02, GO02, PB09.





Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s ISC. Includes stations like TWGZ, WCZ, GLKZ, CNGZ, MWZ, URZ, etc.

ISCJB 11 23:56:02.0, 2.0, 4.7, 8.6S, 0.04x127.63E, 0.05, h200km, mb3.77, Error ellipse: s-maj=7.0km s-min=5.6km az=167.9

DJA 11 23:56:02.0, 2.0, 4.7, 8.6S, 0.04x127.63E, h201km, 1.1km, M4.5/8, mb4.3/6, mb4.9/3, MLV4.6/6, Mw(mb)4.2/3

ISC 11 23:56:02.0, 2.1, 7.57S, 127.57E, h177km, 1.7km, mb3.5/7, mb1.3/1.1, mb1mx3.5/4, mbtmp4.3/1.1, MS3.3/3, Ms1.3, 3.3, ms1mx2.6/3.6, Error ellipse: s-maj=21.8km s-min=13.7km

ISC 11 23:56:02.0, 6.7, 8.6S, 0.05x127.68E, 0.06, h200km, n31, c#259/36, mb3.8/7, Banda Sea

Main station list table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s ISC. Includes stations like SAUI, SAUJ, SAEI, SBDI, etc.

ISC 12 00:02:11.0, 1.6, 15.79S, 172.86W, h0km, mb4.2/6, mb1.4/3.7, mb1mx3.9/5.7, mbtmp4.2/7, ML3.9/1, MS3.2/2, Ms1.3/2.2, ms1mx2.7/4.7, Error ellipse: s-maj=53.4km s-min=21.8km az=129.0

NEIC 12 00:02:12.1, 0.5, 15.81S, 172.81W, h10km, mb4.4/5, Error ellipse: s-maj=21.4km s-min=8.3km az=130.0

ISCJB 12 00:02:13.4, 0.7, 15.75S, 0.1x172.90W, 0.2, h29km, mb4.2/1.1, MS3.0/2, Error ellipse: s-maj=29.6km s-min=8.1km az=37.2

ISC 12 00:02:14.8, 0.9, 15.75S, 0.2x172.8W, 0.2, h29km, n18, c#086/15, mb4.3/1.1, Samoa Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s ISC. Includes stations like AFI, AFI2, AFI3, etc.

ISC 12 00:07:58.6, 0.7, 1.90N, 94.28E, h0km, mb4.1/1.8, mb1.4/3.2, mb1mx4.0/6.7, mbtmp4.1/2.1, ML4.2/3, MS3.0/6, Ms1.3/2.6, ms1mx2.7/6.2, Error ellipse: s-maj=24.6km s-min=12.4km az=46.0

ISCJB 12 00:08:00.5, 0.4, 1.88N, 0.05x94.35E, 0.04, h20km, mb4.2/2.2, Error ellipse: s-maj=8.0km s-min=4.5km az=42.5

NEIC 12 00:08:00.2, 0.5, 1.82N, 94.29E, h10km, mb4.4/5, Error ellipse: s-maj=10.5km s-min=6.8km az=209.0

DJA 12 00:08:02.5, 0.9, 2.1N, 3.9E, h10km, M5.1/14, mb5.4/12, mb5.6/12, MLV5.0/14, Mw(mb)5.2/12

ISC 12 00:08:02.6, 0.6, 0.63N, 94.34E, 0.07, h20km, n84, c#181/76, mb4.2/2.2, Off west coast of northern Sumatara

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

ATA 12 00:24:34.3, 1.3, 39.23N, 42.29E, h7km, 18km, ML2.4, MW2.4

ISK 12 00:24:34.7, 39.11N, 42.48E, h26km, MD2.6/2, ISCJB 12 00:24:35.0, 2.0, 39.20N, 0.03x42.31E, 0.04, h10km, 5km, Error ellipse: s-maj=5.3km s-min=4.4km az=43.3

CSEM 12 00:24:35.1, 0.1, 39.22N, 42.48E, h5km, ML2.4, Error ellipse: s-maj=3.7km s-min=2.8km az=120.0

DDA 12 00:24:35.3, 39.21N, 42.29E, h7km, MI2.4

ISC 12 00:24:34.9, 0.9, 39.21N, 0.02x42.31E, 0.02, h13km, 7km, n30, c#078/51, 2D, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s ISC. Includes stations like EKAR, EKAR2, EKAR3, etc.

ISC 12 00:19:45.2, 1.6, 63.00N, 150.51W, h93km, 24km, mb3.0/1, mb1.3/1.5, mb1mx2.9/7.9, mbtmp3.3/5.5, Error ellipse: s-maj=23.9km s-min=17.4km az=99.0

ISCJB 12 00:19:46.2, 0.4, 63.02N, 0.03x150.42W, 0.07, h115km, 4km, mb3.1/1, Error ellipse: s-maj=5.2km s-min=4.4km az=28.7

NEIC 12 00:19:47.0, 0.6, 63.02N, 150.43W, h100km, ML2.9(AEIC), After AEIC

ISC 12 00:19:46.6, 1.0, 62.99N, 0.04x150.45W, 0.04, h113km, 7km, n48, c#097/60, Central Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s ISC. Includes stations like TRF, TRF2, KTH, etc.

ATA 12 00:24:34.3, 1.3, 39.23N, 42.29E, h7km, 18km, ML2.4, MW2.4

ISK 12 00:24:34.7, 39.11N, 42.48E, h26km, MD2.6/2, ISCJB 12 00:24:35.0, 2.0, 39.20N, 0.03x42.31E, 0.04, h10km, 5km, Error ellipse: s-maj=5.3km s-min=4.4km az=43.3

CSEM 12 00:24:35.1, 0.1, 39.22N, 42.48E, h5km, ML2.4, Error ellipse: s-maj=3.7km s-min=2.8km az=120.0

DDA 12 00:24:35.3, 39.21N, 42.29E, h7km, MI2.4

ISC 12 00:24:34.9, 0.9, 39.21N, 0.02x42.31E, 0.02, h13km, 7km, n30, c#078/51, 2D, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s ISC. Includes stations like EKAR, EKAR2, EKAR3, etc.



comp=Z,66nm,22.0s,baz=202,slow=40					
NVAR	Mina Array Bea	14.59 142	Pn	Pn	01 01 31.4 +0.2
comp=Z,321,slow=12,SNR=12					
NV01	Mina Array Sit	14.59 142	ePn	Pn	01 01 32.5 +1.2
M00W	Moose Pt	14.62 110	ePn	Pn	01 01 34.2 +2.6
YK01	Yellowknife Ar	14.62 29	P	Pn	01 01 29.1 -2.2
YK03	Yellowknife Ar	14.64 29	P	Pn	01 01 29.5 -2.0
YK03	Yellowknife Ar	14.64 29	ePn	Pn	01 01 30.3 -1.2
TPAW	Teton Pass	14.64 111	ePn	Pn	01 01 34.8 +2.9
NV11	Mina Array Sit	14.65 141	ePn	Pn	01 01 33.6 +1.7
HVUJ	Hansel Point	14.67 120	ePn	Pn	01 01 35.2 +3.1
REDW	Red Top Meadow	14.78 112	ePn	P	01 01 38.6 -1.1
SNOW	Snow King Moun	14.78 111	ePn	P	01 01 36.8 -3.0
LOHW	Long Hollow	14.78 110	ePn	Pn	01 01 36.3 +2.6
CSR	Chase Ranch	14.79 153	ePn	Pn	01 01 25.8 -7.9
RLMT	Red Lodge	14.80 103	P	Pn	01 01 34.4 +0.3
comp=Z,25nm,1.2s					
RLMT	Red Lodge	14.80 103	ePn	P	01 01 35.8 +1.8
AHID	Auburn Hatcher	14.99 114	ePn	P	01 01 41.1 -0.9
comp=Z,25nm,1.2s					
MDPB	Devils Postpil	14.99 145	ePn	P	01 01 39.4 +2.7
BGU	Big Grassy Mou	15.12 123	ePn	Pn	01 01 40.6 +2.4
KDAA	Kodiak Island	15.14 307	Pn	Pn	01 01 33.5 -4.7
comp=Z,0.1nm,0.3s,baz=139,slow=19,SNR=3.9					
KDAA	Kodiak Island	15.14 307	Pn	LR	01 05 54.2
comp=Z,20.7s,baz=138,slow=31					
DOT	Dot Lake	15.21 335	ePn	Pn	01 01 40.8 +1.5
HWUT	Hardware Ranch	15.46 118	ePn	Pn	01 01 44.8 +2.1
SCRK	Sand Creek	15.46 336	ePn	P	01 01 46.1 -0.9
EGAK	Eagle	15.49 342	ePn	Pn	01 01 45.0 +2.3
EGAK	Eagle	15.49 342	ePn	Sn	01 04 32.5 -1.5
RIDG	Independ'e Rid	15.50 334	ePn	Pn	01 01 44.7 +1.7
PMPB	Monarch Peak	15.71 152	ePn	P	01 01 49.1 -0.8
DUG	Dugway, Tooele	15.76 124	P	Pn	01 01 47.7 +1.2
DUG	Dugway, Tooele	15.76 124	ePn	Pn	01 01 47.9 +1.3
DUG	Dugway, Tooele	15.76 124	eP	Pn	01 01 47.9 +1.3
comp=Z,25nm,1.2s					
DHY	Denali Highway	15.76 330	ePn	P	01 01 49.6 -0.7
R11A	Troy Canyon, C	15.82 135	P	Pn	01 01 48.4 +1.0
R11A	Troy Canyon, C	15.82 135	ePn	Pn	01 01 47.9 +0.5
TIN	Tinemaha, Big	15.82 144	P	P	01 01 50.2 -1.0
TCUT	Toone Canyon	15.87 119	ePn	P	01 01 49.8 +1.6
BW06	Boulder Array	15.89 111	P	Pn	01 01 50.3 +1.9
BW06	Boulder Array	15.89 111	ePn	P	01 01 51.3 -0.8
comp=Z,25nm,1.2s					
PD31	Pinedale Array	15.89 111	ePn	P	01 01 51.4 -0.7
PDAR	Pinedale Array	15.89 111	Pn	P	01 01 50.8 -1.3
comp=Z,0.1nm,0.3s,baz=303,slow=12,SNR=29.5					
PDAR	Pinedale Array	15.89 111	ePn	S	01 04 52.4 -6.3
comp=Z,0.0nm,0.3s,baz=310,slow=28,SNR=1.9					
PDAR	Pinedale Array	15.89 111	ePn	LR	01 07 44.5
comp=Z,5.45nm,21.7s,baz=312,slow=36					
PDAR	Pinedale Array	15.89 111	ePn	S	01 01 50.1 +1.7
comp=Z,5.45nm,21.7s,baz=312,slow=36					
LAO	LASA Array	16.05 95	P	Pn	01 01 50.2 0.0
LAO	LASA Array	16.05 95	ePn	Pn	01 01 51.1 +0.9
JLU	Jordan	16.20 121	ePn	P	01 01 56.5 +1.0
GRAC	Grapevine Rang	16.20 142	P	P	01 01 55.3 -0.1
NLU	North Lily Min	16.32 124	ePn	P	01 01 56.2 -0.6
PAGB	Antelope Grade	16.33 151	ePn	P	01 01 58.3 +1.7
CWC	Cottonwood Cr	16.42 145	P	P	01 01 58.8 +1.0
LDBN	Lake De Bois	16.44 7	P	Pn	01 01 56.0 +1.0
RND	Reindeer	16.47 329	ePn	Pn	01 01 57.5 -0.7
RND	Reindeer	16.47 329	eP	Pn	01 01 57.5 -0.7
comp=Z,1.7nm,1.1s					
PSUT	Pine Spring	16.48 131	ePn	P	01 01 58.5 -0.2
MPU	Maple Canyon	16.51 123	ePn	P	01 01 58.0 -0.9
YES	Vestal, Richgr	16.60 148	P	P	01 02 00.9 +1.2
TPNV	Topopah Spring	16.70 139	P	P	01 02 00.2 -0.8
TPNV	Topopah Spring	16.70 139	ePn	P	01 02 00.2 -0.8
MCK	McKinley	16.72 330	ePn	Pn	01 02 00.0 +1.4
DAC	Darwin (Calif)	16.75 144	ePn	P	01 02 01.2 -0.3
DAC	Darwin (Calif)	16.75 144	eP	Pn	01 02 01.2 -0.3
comp=Z,7.0nm,1.6s					
DGMT	Dagmar	16.75 87	P	P	01 02 00.5 -0.8
DGMT	Dagmar	16.75 87	ePn	P	01 02 00.0 +1.0
FURC	Furnace Creek	16.86 141	P	P	01 02 02.7 +0.2
IL1	Eielson Array	16.86 334	ePn	Pn	01 02 00.1 -0.3
ILAR	Eielson Array	16.86 334	Pn	Pn	01 01 59.4 -1.0
comp=Z,0.0nm,0.3s,baz=144,slow=7.8,SNR=9.5					
ILAR	Eielson Array	16.86 334	ePn	LR	01 01 59.1
comp=Z,4.38nm,18.8s,baz=146,slow=35					
ILB	Eielson Array	16.86 334	ePn	Pn	01 02 01.6 +1.2
ISA	Isabella, Lake	16.97 147	P	P	01 02 04.7 +0.8
ISA	Isabella, Lake	16.97 147	ePn	P	01 02 05.7 +1.8
ISA	Isabella, Lake	16.97 147	eP	P	01 02 05.7 +1.8
comp=Z,1.27nm,1.6s					
ISA	Isabella, Lake	16.97 147	eP	Pn	01 02 05.7 +1.8
comp=Z,1.27nm,1.6s					
MPMC	Manual Prospec	16.98 144	P	P	01 02 05.2 +1.1
TRF	Thorofore Moun	16.98 327	ePn	P	01 02 04.2 +0.2
WRH	Wood River Hill	16.98 332	ePn	Pn	01 02 03.1 +1.2
CCB	Clear Creek Bu	17.03 333	ePn	P	01 02 04.3 +0.1
COLA	College	17.21 333	ePn	P	01 02 06.5 +0.3
comp=Z,5.0nm,1.0s					
PKM	Mpherson Peak	17.24 151	P	P	01 02 08.0 +1.0
TNUT	Trail Mountain	17.26 123	ePn	P	01 02 07.0 +0.7
KTH	Kantishna Hill	17.27 327	ePn	Pn	01 02 06.2 +0.7
WHFN	White Fish La	17.27 37	P	P	01 02 03.3 -2.2
PPLA	Purkeypile	17.32 324	ePn	P	01 02 07.7 0.0
MSU	Marysvale	17.34 127	ePn	P	01 02 08.2 +0.2
DHRN	Dharma Camp	17.36 14	P	Pn	01 02 05.5 -1.1
FFC	Flin Flon	17.36 65	ePn	Pn	01 02 06.6 -0.1
FFC	Flin Flon	17.36 65	eP	Pn	01 02 06.6 -0.1
comp=Z,5.6nm,1.5s					
P17A	Butcher Ranch	17.38 122	ePn	P	01 02 09.2 +0.7
CCUT	Cedar City	17.50 132	ePn	P	01 02 11.6 +1.7
HPLN	Heppburn Lake	17.51 20	P	Pn	01 02 06.7 -1.8
SHPR	Sheep Range	17.54 137	ePn	P	01 02 10.3 +0.1
P18A	Preston Nutter	17.54 121	ePn	P	01 02 10.4 -0.1
Q16A	Castle Valley	17.55 124	ePn	P	01 02 12.7 +2.3
SHOC	Shoshone, Teco	17.59 141	P	P	01 02 12.2 +1.5

CAST	Castle Rocks	17.59 326	ePn	Pn	01 02 10.4 +0.9
SZCU	Shurtz Canyon	17.59 131	ePn	P	01 02 12.6 +1.6
BPAA	Beaver Paw Mtn	17.64 328	ePn	Pn	01 02 10.3 +0.1
MTPU	Mount Pierson	17.69 128	ePn	P	01 02 13.2 +1.1
SRU	San Rafael Swe	17.76 123	ePn	P	01 02 13.7 +1.0
K22A	Casper	17.79 107	P	P	01 02 13.3 +0.3
K22A	Casper	17.79 107	ePn	P	01 02 14.7 +1.7
SVW2	Sparrevohn	17.81 316	ePn	Pn	01 02 10.8 -1.4
EDW2	Edwards Air Fo	17.84 147	P	P	01 02 15.0 +1.5
FYUJ	Fort Yukon	17.89 340	ePn	P	01 02 14.1 +0.3
GSC	Goldstone, Bar	17.91 143	P	P	01 02 16.0 +1.8
GSC	Goldstone, Bar	17.91 143	ePn	P	01 02 16.0 +1.8
GSC	Goldstone, Bar	17.91 143	eP	P	01 02 16.0 +1.8
comp=Z,4.6nm,1.4s					
RWWY	Rawliff	17.93 111	ePn	P	01 02 16.3 +1.6
INIK	Inuvik	17.94 356	P	Pn	01 02 12.1 -1.5
INIK	Inuvik	17.94 356	P	Lg	01 07 17.0
INIK	Inuvik	17.94 356	ePn	Pn	01 02 12.5 -1.2
INIK	Inuvik	17.94 356	ePn	Pn	01 02 13.4 -0.2
INIK	Inuvik	17.94 356	eP	Lg	01 07 17.0
INIK	Inuvik	17.94 356	eP	Pn	01 02 13.4 -0.2
INIK	Inuvik	17.94 356	eP	Pn	01 02 13.4 -0.2
LCMT	Little Creek M	17.99 132	ePn	P	01 02 16.4 +1.3
PKCU	Pink Cliffs	18.09 130	ePn	P	01 02 19.3 +2.7
PKCU	Pink Cliffs	18.09 130	eP	S	01 02 26.8 +4.8
KNB	Kanab	18.18 131	ePn	P	01 02 19.1 +1.7
KNB	Kanab	18.18 131	eP	P	01 02 19.1 +1.7
comp=Z,1.15nm,1.1s					
MLY	Manley	18.18 331	ePn	Pn	01 02 16.7 -0.2
O20A	White River Ci	18.32 116	P	P	01 02 19.7 +0.9
O20A	White River Ci	18.32 116	ePn	P	01 02 20.9 +2.0
MWC	Mount Wilson	18.42 148	ePn	Pn	01 02 21.8 +1.8
MWC	Mount Wilson	18.42 148	eP	Pn	01 02 21.8 +1.8
comp=Z,3.9nm,1.2s					
HEC	Hector Ludlow	18.50 143	P	Pn	01 02 22.2 +1.2
BFSO	Mount Baldy Ra	18.54 147	P	Pn	01 02 22.6 +1.1
RSSD	Black Hills	18.56 100	P	Pn	01 02 21.7 -0.1
RSSD	Black Hills	18.56 100	eP	Pn	01 02 22.4 +0.7
RSSD	Black Hills	18.56 100	eP	Pn	01 02 22.4 +0.7
RSSD	Black Hills	18.56 100	eP	Pn	01 02 22.4 +0.7
comp=Z,10.0nm,1.1s					
LDFC	Landfair	18.78 140	eP	Pn	01 02 26.0 +1.7
GMRC	Granite Mount	18.81 141	P	Pn	01 02 25.4 +0.7
KUKN	Kugluktuk,NWT	18.83 17	P	Pn	01 02 24.4 -0.2
U15A	North Rim	19.13 131	ePn	Pn	01 02 26.6 +0.6
PV09	Paradox Valley	19.05 121	ePn	Pn	01 02 28.1 +1.5
PV10	Paradox Valley	19.09 122	ePn	Pn	01 02 29.7 +1.5
N23A	Red Feather La	19.18 111	P	Pn	01 02 29.8 +0.5
N23A	Red Feather La	19.18 111	ePn	Pn	01 02 30.1 +0.8
PHWY	Pilot Hill	19.22 109	ePn	Pn	01 02 29.7 -0.2
PV05	Paradox Valley	19.27 122	ePn	Pn	01 02 30.9 +0.5
W13A	Hualapai Mount	19.28 137	ePn	Pn	01 02 31.0 +0.5
BELC	Belle Mtn, Jos	19.36 143	P	Pn	01 02 31.7 +0.2
PV01	Paradox Valley	19.52 121	ePn	Pn	01 02 33.1 -0.3
PFO	Pinyon Flats O	19.54 145	P	Pn	01 02 33.8 +0.4
PFO	Pinyon Flats O	19.54 145	ePn	Pn	01 02 34.8 +1.3
PFO	Pinyon Flats O	19.54 145	eP	Pn	01 02 34.8 +1.3
comp=Z,2.4nm,1.4s					
XPFO	Piaison Flat	19.54 145	ePn	P	01 02 34.8 +1.3
TPFO	Pion Flats	19.55 145	P	Pn	01 02 34.0 +0.4
IRM	Iron Mountain	19.56 141	P	Pn	01 02 33.8 +0.2
COLD	Coldfoot</				









CBJJ	Chichi jima	45.30 88 P	P	01 43 01.6 0.0
CJJC	Chichijima	45.30 88 P	P	01 43 01.6 0.0
EIL	Elat	45.35 276 P	P	01 43 07.3 +5.3
ARCES	ARCCESS Array B	45.52 334 P	P	01 43 03.5 +0.7
ARCES	ARCCESS Array B	45.52 334 P	P	01 43 03.6 +0.9
ISP	Isparta	45.59 288d/P	P	01 43 04.9 +1.0
TESR	Tescani	45.88 301/P	P	01 43 06.2 +0.3
VRI	Vrincioia	45.98 300/P	P	01 43 08.6 +1.9
PLOR	Plostinia	46.04 300/P	P	01 43 08.7 +1.5
Sicz	Sicz	46.15 302/P	P	01 43 09.5 +1.9
BURAR	Bucovina Array	46.58 303/P	P	01 43 12.0 +0.8
BUR04	Bucovina Ar. S	46.58 303 P	P	01 43 12.0 +0.4
BUR08	Bucovina Ar. S	46.59 303 P	P	01 43 12.0 +1.0
MLR	Muntele Rosu	46.61 300 P	P	01 43 13.4 +1.6
MLR	Muntele Rosu	46.61 300/P	P	02 06 09.5
MLR	Muntele Rosu	46.61 300/P	P	01 43 13.9 +2.1
MLR	Muntele Rosu	46.61 300 P	P	01 43 13.4 +1.6
SUW	Suwalki	46.64 312 P	P	01 43 12.5 +0.8
SUW	Suwalki	46.64 312 P	P	01 43 12.5 +0.8
DOPR	Dopca	46.86 301/P	P	01 43 15.5 +1.8
L'vov	L'vov	46.87 306 P	P	01 43 14.5 +0.9
VOIR	Voiron	47.23 300/P	P	01 43 17.3 +0.7
ARCA	ARCALIA	47.28 303/P	P	01 43 18.3 +1.4
ARGES	Arges	47.53 300/P	P	01 43 20.1 +1.2
KWP	Kalvaria Pacla	47.75 306 P	P	01 43 21.6 +1.1
KWP	Kalvaria Pacla	47.75 306 P	P	01 43 21.6 +1.1
CJR	Cluj-Napoca	47.87 302/P	P	01 43 23.1 +1.6
LEM	Lembang	48.08 155 LR	LR	02 05 39.9
PETK	Petrovlovsk	48.08 48 P	P	01 43 23.2 +0.2
PETK	Petrovlovsk	48.08 48 P	P	02 05 08.0
PETK	Petrovlovsk	48.08 48 P	P	01 43 26.9 +3.9
LOT	Lotru	48.09 301/P	P	01 43 24.3 +0.9
TRPA	Tarpa	48.21 304/P	P	01 43 25.3 +1.3
KLNR	Kaliningrad	48.26 313/P	P	01 43 25.8 +1.5
STHS	Stebnicka Huta	48.73 306 P	P	01 43 28.7 +0.7
STHS	Stebnicka Huta	48.73 306 P	P	01 43 28.7 +0.7
HERR	Herculane	49.17 300/P	P	01 43 32.6 +1.1
SPITS	Spitsbergen Ar	49.27 345 P	P	01 43 33.2 +1.3
SPITS	Spitsbergen Ar	49.27 345 P	P	02 09 57.9
SIRR	Siria	49.28 302/P	P	01 43 34.4 +2.1
NIE	Niedzica	49.32 306 P	P	01 43 34.1 +1.5
NIE	Niedzica	49.32 306 P	P	01 43 34.1 +1.5
VTS	Vitosha	49.33 297/P	P	01 43 34.0 +1.1
VTS	Vitosha	49.33 297 P	P	01 43 32.7 -0.2
OJC	Ojcow	49.44 308 P	P	01 43 34.3 +0.9
OJC	Ojcow	49.44 308 P	P	01 43 33.3 -0.2
OJC	Ojcow	49.44 308 P	P	01 43 33.3 -0.2
BZAS	Buzias	49.50 301/P	P	01 43 35.5 +1.5
PSZ	Piszkesteto	49.98 305/P	P	01 43 39.0 +1.4
PSZ	Piszkesteto	49.98 305 P	P	01 43 39.1 +1.4
BILL	Bilibino	50.23 28 P	P	01 43 40.6 +1.4
BILL	Bilibino	50.23 28/P	P	01 43 40.5 +1.3
BILL	Bilibino	50.23 28/P	P	01 43 40.5 +1.3
VYHS	Vyhne	50.50 306 P	P	01 43 42.1 +0.5
VYHS	Vyhne	50.50 306 P	P	01 43 42.1 +0.5
OKC	Ostrava-Krasne	50.56 307 P	P	01 43 43.2 +1.2
OKC	Ostrava-Krasne	50.56 307 P	P	01 43 43.2 +1.2
LIT	Litokhoron	50.68 294 P	P	01 43 44.6 +1.6
LIT	Litokhoron	50.68 294 P	P	01 43 44.6 +1.6
IDI	Anoia	50.74 288 P	P	01 43 42.9 -0.7
HFS	Hagfors	50.75 321 P	P	01 43 43.7 +0.5
MORC	Moravsky Berou	50.96 308/P	P	01 43 46.3 +1.2
MORC	Moravsky Berou	50.96 308 P	P	01 43 46.2 +1.2
MORC	Moravsky Berou	50.96 308 P	P	01 43 46.2 +1.2
SRO2	Moca	50.99 305 P	P	01 43 45.3 +0.1
SRO2	Moca	50.99 305 P	P	01 43 45.3 +0.1
SRO	Srobarova	51.03 305 P	P	01 43 46.9 +1.4
SRO	Srobarova	51.03 305 P	P	01 43 46.9 +1.4
DIVS	Divibare	51.06 300 P	P	01 43 46.6 +0.7
MORV	M'ir gy, Hung	51.30 303/P	P	01 43 47.9 +0.4
KRLC	Kraliky	51.35 308 P	P	01 43 49.3 +1.3
SMOL	Smolence	51.39 306 P	P	01 43 48.5 +0.3
SMOL	Smolence	51.39 306 P	P	01 43 48.5 +0.3
KSP	Ksiaz	51.44 309 P	P	01 43 49.2 +0.7
KSP	Ksiaz	51.44 309 P	P	01 43 49.2 +0.7
NORSAR	NORSAR Array S	51.52 323 P	P	01 43 49.0 -0.1
MODS	Modra-Piesok	51.53 306 P	P	01 43 49.3 -0.1
MODS	Modra-Piesok	51.53 306 P	P	01 43 49.3 -0.1
MODS	Modra-Piesok	51.53 306 P	P	01 43 49.2 -0.1
DPC	Dobruska-Polom	51.55 309 P	P	01 43 51.3 +1.8
DPC	Dobruska-Polom	51.55 309 P	P	01 43 51.3 +1.8
VRAČ	Vranov	51.69 307/P	P	01 43 52.1 +1.6
UPC	Udice	51.70 309 P	P	01 43 56.6 -1.5
UPC	Udice	51.70 309 P	P	02 07 00.0
UPC	Udice	51.70 309 P	P	01 43 52.1 +1.6
NB2	NORSAR Subarray	51.77 323 P	P	01 43 51.1 +0.1
NOA	NORSAR Array B	51.77 323 P	P	01 43 51.0 0.0
NOA	NORSAR Array B	51.77 323 P	P	01 45 47.3 -1.2
NOA	NORSAR Array B	51.77 323 P	P	02 06 37.9
NC204	NORSAR Array S	51.94 323 P	P	01 43 52.8 +0.6
PDG	Podgorica	52.14 298/P	P	01 43 54.5 +0.7
TTG	Podgorica	52.14 298 P	P	01 43 54.6 +0.7
TTG	Podgorica	52.14 298 P	P	01 43 54.6 +0.7

SOP	Sopron	52.20 305/P	P	01 43 55.2 +0.9
TREC	Trest	52.38 307 AMS	P	02 10 30.0
CONA	CONA	52.57 306 P	P	01 43 58.3 +1.2
PVCC	Panska Ves	52.58 309 P	P	01 43 58.0 +1.0
PVCC	Panska Ves	52.58 309 P	P	02 07 20.0
PVCC	Panska Ves	52.58 309 P	P	01 43 58.0 +1.0
GOPC	GO Pecny, Ondr	52.63 308 P	P	01 43 58.6 +1.1
GOPC	GO Pecny, Ondr	52.63 308 P	P	01 44 03.4 -1.6
GOPC	GO Pecny, Ondr	52.63 308 P	P	02 07 30.0
GOPC	GO Pecny, Ondr	52.63 308 P	P	01 43 58.6 +1.1
PRU	Pruhonice	52.76 309 P	P	01 43 59.7 +1.3
PRU	Pruhonice	52.76 309 P	P	01 44 04.1 -1.8
PRU	Pruhonice	52.76 309 P	P	02 07 30.0
PRU	Pruhonice	52.76 309 P	P	01 43 59.7 +1.3
PRA	Prague	52.80 309 AMS	P	02 07 40.0
BRG	Bergglieshübel	52.85 310 P	P	01 44 00.0 +0.9
BRG	Bergglieshübel	52.85 310 P	P	01 44 17.0
BRG	Bergglieshübel	52.85 310 P	P	01 44 00.0 +0.9
BRG	Bergglieshübel	52.85 310 P	P	01 44 17.0
BRG	Bergglieshübel	52.85 310 P	P	01 44 00.0 +0.9
BRG	Bergglieshübel	52.85 310 P	P	01 44 17.0
ARSA	Arzberg	53.00 305 P	P	01 44 00.9 +0.6
CLL	Collin	53.29 310/P	P	01 44 02.7 +0.4
CLL	Collin	53.29 310/P	P	01 44 02.7 +0.4
CLL	Collin	53.29 310/P	P	01 44 02.7 +0.4
CLL	Collin	53.29 310/P	P	01 44 02.7 +0.4
CLL	Collin	53.29 310/P	P	01 44 02.7 +0.4
PERS	Pernice	53.47 304 P	P	01 44 04.3 +0.5
SOKA	Soboth	53.51 304 P	P	01 44 04.8 +0.7
MOA	Mojca	53.61 306 P	P	01 44 05.2 +0.5
KHC	Kasperke Hory	53.62 308 P	P	01 44 06.1 +1.3
KHC	Kasperke Hory	53.62 308 P	P	01 44 10.1 -2.2
KHC	Kasperke Hory	53.62 308 P	P	02 11 30.0
KHC	Kasperke Hory	53.62 308 P	P	01 44 05.9 +1.1
KHC	Kasperke Hory	53.62 308 P	P	01 44 05.9 +1.1
GECC	GERRASS Array S	53.64 307 P	P	01 44 06.5 +1.5
GECC	GERRASS Array S	53.64 307 P	P	01 44 06.5 +1.5
GERES	GERRASS Array B	53.64 307 P	P	01 44 05.8 +0.7
GERES	GERRASS Array B	53.64 307 P	P	02 11 27.2
GERES	GERRASS Array B	53.64 307 P	P	01 44 05.9 +0.9
BOJA	Bojanci	53.77 303 P	P	01 44 07.4 +1.5
OBKA	Obir	53.88 304 P	P	01 44 07.5 +0.7
VNDS	Vrh nad Dolsci	53.92 304 P	P	01 44 07.8 +0.7
VISS	Viss	53.94 303 P	P	01 44 07.7 +0.6
NKC	Novy Kostel	53.96 309 AMS	P	02 08 10.0
JAVS	Javornik	54.41 304 P	P	01 44 10.6 -0.1
IYKA	IYKA	54.42 305 P	P	01 44 10.9 +0.1
KBA	Koelnbreinsper	54.46 305 P	P	01 44 11.6 +0.5
GUMO	Gumo	54.76 101 LR	LR	02 07 44.4
GUMO	Gumo	54.76 101 LR	LR	01 44 14.6 +0.6
GRFO	Grafenberg	54.89 309 P	P	01 44 14.6 +0.6
GRFO	Grafenberg	54.89 309 P	P	01 44 14.6 +0.6
CUC	Castrocuoco	55.46 297 P	P	01 44 18.6 +0.3
WTTA	Wattenberg	55.48 306 P	P	01 44 19.1 +0.6
WATA	Walderalm	55.49 306 P	P	01 44 19.2 +0.7
MOTA	Mossalm	55.79 306 P	P	01 44 20.8 +0.1
RETA	Reutte	55.95 307 P	P	01 44 22.4 +0.6
AQU	L'Aquila	56.19 300 P	P	01 44 22.6 -0.9
AQU	L'Aquila	56.19 300 P	P	01 44 22.6 -0.9
DAG	Danmarks Havn	56.93 345/P	P	01 44 28.0 -0.1
BFO	Black Forest	57.15 308 P	P	01 44 30.6 +0.3
BFO	Black Forest	57.15 308 P	P	01 44 30.6 +0.3
TUE	Stuetta	57.23 306 P	P	01 44 31.3 +0.3
VAE	Valguarnera	57.51 294 P	P	01 44 32.9 -0.1
MEM	Membach	57.68 312 P	P	01 44 33.1 -0.8
BCLA	Clavier	58.17 312 P	P	01 44 38.5 +1.2
SENIN	Lac Senin/Sane	58.58 307 P	P	01 44 40.9 +0.4
BNI	Bardonecchia	59.52 305 P	P	01 44 47.3 +0.3
BNI	Bardonecchia	59.52 305 P	P	01 44 47.3 +0.3
EKA	Eskdalemuir Ar	60.80 319 P	P	01 44 56.0 +0.7
EKA	Eskdalemuir Ar	60.80 319 P	P	01 47 03.8 -5.3
EKA	Eskdalemuir Ar	60.80 319 P	P	02 14 42.7
SCO	Scoresbysund	60.90 339/P	P	01 44 57.2 +1.4
SCO	Scoresbysund	60.90 339/P	P	01 44 57.6 +1.8
SCO	Scoresbysund	60.90 339 P	P	01 44 57.6 +1.8
SCO	Scoresbysund	60.90 339 P	P	01 44 57.6 +1.8
SCO	Scoresbysund	60.90 339 P	P	01 44 57.6 +1.8
KEST	Kesra	61.93 295 P	P	01 45 02.6 -0.8
KEST	Kesra	61.93 295 P	P	01 45 04.0 +0.6
SUMG	Summit	63.61 345/P	P	01 45 14.9 +0.5
BORG	Borgarnes	63.93 333 P	P	01 45 14.7 -1.4
TULEE	Tule Lake	64.53 354 P	P	01 45 19.2 -0.6
TOLK	Took Lake	64.75 20 P	P	01 45 21.8 +0.3
IMS	Indian Mount	65.26 24 P	P	01 45 24.2 -0.6
COLD	Coldfoot	65.52 22 P	P	01 45 27.5 +1.0
MLY	Manley	66.83 24 P	P	01 45 36.1 +1.1
RES	Resolute Bay	67.19 1 P	P	01 45 36.7 -0.3
RES	Resolute Bay	67.19 1 P	P	01 45 35.8 -1.2
BPWA	Bear Paw Mtn.	67.38 24 P	P	01 45 39.3 +0.8

CAST	Castle Rocks	67.48 25 P	P	01 45 40.4 +1.3
COLA	College	67.84 23 P	P	01 45 41.8 +0.5
COLA	College	67.84 23 P	P	01 45 41.8 +0.5
IL1	Eielson Array	68.20 23 P	P	01 45 42.4 -1.2
ILAR	Eielson Array	68.20 23 P	P	01 45 43.3 -0.3
ILAR	Eielson Array	68.20 23 P	P	01 48 11.6 -2.0
ILAR	Eielson Array	68.20 23 P	P	02 17 41.3
ILB	Eielson Array	68.20 23 P	P	01 45 43.5 -0.1
ILULI	Ilulissat	68.83 346 P	P	01 45 47.2 -0.2
INK	Inuvik	68.92 16 P	P	01 45 47.9 0.0
INK	Inuvik	68.92 16 P	P	01 45 47.9 0.0
ES19	SONSECA Array	68.96 304 P	P	01 45 49.0 +0.2
ESDC	Sonsecsa Array	69.01 304 P	P	01 45 49.0 -0.1
SCRK	Sand Creek	69.55 22 P	P	01 45 53.0 +0.2
EGAK	Eagle	69.85 21 P	P	01 45 53.8 -0.1
SFJD	Kangerlussuaq	70.61 344 P	P	01 45 58.2 -0.2
SFJD	Kangerlussuaq	70.61 344 P	P	02 21 11.9
SFJD	Kangerlussuaq	70.61 344 P	P	01 45 57.8 -0.6
SFJD	Kangerlussuaq	70.61 344 P	P	01 45 57.8 -0.6
DAWY	Dawson	70.89 20 P	P	01 46 00.3 0.0
KDAK	Kodiak Island	71.10 30 P	P	01 45 59.1 -2.4
KDAK	Kodiak Island	71.10 30 P	P	01 46 01.9 +0.4
TAM	Tamanrasset	71.56 285 P	P	01 46 06.8 +1.6
TAM	Tamanrasset	71.56 285 P	P	01 46 06.8 +1.6
WRAB	Tennant Creek	71.74 136 P	P	01 46 05.3 -0.5
WRAB	Tennant Creek	71.74 136 P	P	01 46 07.6 +1.7
WRA	Warramunga Arr	71.7		

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TXB Texada, MGB Mount Grey, YOB Youbou, Lake C, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KRKV Kawarawera, KRVE Pukeiti, KRHW Kereru, etc.

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

JMA 12 01:08:23.9, 37'80"N-140'03"E, h5km, 1km, M2.9, Eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JFT Otama, JYS Shirataki, JYS Yanaizu, etc.

JMA 12 01:37:12.9, 0.4, 38'48"N-142'38"E, h2km, 1km, M3.5, Near east coast of eastern Honshu

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

MEX 12 01:39:03.0, 0.4, 16'00"N-98'74"W, h15km, 36km, MD3.6, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PNIG Pinotepa, TLIG Tlapa, VHO Vista Hermosa, etc.

ISCJB 12 03:19:55.9, 0.4, 24'67"N-122'26"E, 0.1, h3km, 3km, Error ellipse: s-maj=3.8km s-min=2.3km az=179.9

JMA 12 03:19:56.9, 24'64"N-122'21"E, h29km, 5km, M2.8

TAP 12 03:19:57.1, 24'70"N-122'15"E, h4km, ML3.0, C

ISC 12 03:19:55.8, 0.9, 24'64"N-122'28"E, 0.02, h15km, 7km, n38, e080/71, 1C-2D, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like EOS1 Eos1-188, EOS1 Eos1-188, TWC Suao, etc.

NEIC 12 02:57:32.3, 0.0, 43'60"S-172'61"E, h5km, ML3.9(WEL), After WEL

NEIC Felt at Christchurch, WEL 12 02:57:31.0, 43'65"S-172'61"E, 0.4, h6km, ML3.9/3, South Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CRLZ Canterbury Las, CRLZ Canterbury Las, CRLZ Canterbury Las, etc.

IDC 12 01:52:59.6, 6.7, 38'73"N-90'12"E, h0km, mb3.5/1, mb1 3.5/4, mb1mx3.2/69, mbtmp3.5/4, ML3.2/2, SC, Error ellipse: s-maj=119.7km s-min=48.6km az=89.0, Southern Xinjiang

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

MAN 12 02:13:32.9, 17'59"N-121'38"E, h35km, mb3.5, ML2.2, MS1.6, 1D, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like APYP Conner, APYP Conner, CALP Callao Caves, etc.

WEL 12 02:24:24.2, 40'S-117'57"E, h24km, 3km, ML3.7/16, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like OHWZ Ohakea, WAZ Wanganui, WAZ Wanganui, etc.

ENE 12 02:57:31.0, 43'65"S-172'61"E, 0.4, h6km, ML3.9/3, South Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CRLZ Canterbury Las, CRLZ Canterbury Las, CRLZ Canterbury Las, etc.

WEL 12 02:24:24.2, 40'S-117'57"E, h24km, 3km, ML3.7/16, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like OHWZ Ohakea, WAZ Wanganui, WAZ Wanganui, etc.

WEL 12 02:24:24.2, 40'S-117'57"E, h24km, 3km, ML3.7/16, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CRLZ Canterbury Las, CRLZ Canterbury Las, CRLZ Canterbury Las, etc.

WEL 12 02:24:24.2, 40'S-117'57"E, h24km, 3km, ML3.7/16, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like OHWZ Ohakea, WAZ Wanganui, WAZ Wanganui, etc.

IDC 12 03:04:30.2, 3.1, 6'39"S-147'77"E, h0km, mb2.9/1, mb1 3.3/3, mb1mx3.2/47, mbtmp3.1/3, ML3.1/1, Error





12d 5h

ISN 12 05:24:36.4+1.0, 32.717N, 46.94E, h11km, km, ML3.3
CSEM 12 05:24:39.7+0.2, 32.67N, 46.91E, h20km, ML3.3, Error
ellipse: s-maj=5.8km s-min=4.1km az=6.0

TEH 12 05:24:39.1, 32.74N, 46.91E, h10km, ML3.3, Iran-Iraq
border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like Kafar-mosalman, Komasi, Shooshtar-Gavs, Veis, Nassriya, etc.

SJA 12 05:27:22.1+0.4, 35.17S, 72.78W, h10km, ML3.7, MW3.3
IDC 12 05:27:34.5+3.1, 34.94S, 70.37W, h0km, mb3.9/3,
mb1 3.9/5, mb1mx3.6/38, mbmp3.9/5, ML3.8/2, Error
ellipse: s-maj=11.3, 7km s-min=20, 7km az=97.0

ISCJB 12 05:27:35.2+0.5, 34.91S, 0.04, 71.96W, 0.07, h52km, 4km,
mb4.0/5, Error ellipse: s-maj=9.7km s-min=5.5km az=18.3

GUC 12 05:27:36.0+0.5, 34.90S, 71.86W, h44km, 1km, ML4.0
NEIC 12 05:27:36.0+0.0, 34.90S, 71.86W, h44km, mb4.0/4,
ML4.0(GUC), After GUC.

NEIC Felt (III) at Chepica, Curico, Duao, Iloca, Molina and Talca;
(II) at Lolol, Maule, Pelarco, Romeral, San Fernando, San
Javier and Santa Cruz.

ISC 12 05:27:35.9+0.8, 34.91S, 0.04, 71.95W, 0.06, h42km, 6km,
n34, r164/43, mb4.0/5, 3C-5D, Near coast of central
Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like Hualae, Chpilemu, Los Niches, Cobquecura, Chillan, Antumapu, Lmel, Cerro Calan, Peldehue, El Roble, Farellones, Agrelo, Salagasta, Arod, Cuesta del Vie, Paso Flores, PLCA, LCO, TRQA, MNMC, LPAZ, SAV, QSPA, WVT, KOWA, TORO, CD2.

ISCJB 12 05:39:07.4+0.2, 56.32N, 0.03, 162.06W, 0.04,
h202km, 2km, mb4.1/114, Error ellipse: s-maj=4.5km
s-min=3.2km az=151.5

NEIC 12 05:39:08.1+0.0, 55.91N, 161.68W, h225km, mb4.2/91,
ML3.9(AEIC), After AEIC.

IDC 12 05:39:09.6+0.9, 56.46N, 162.10W, h203km, 6km, mb3.8/24,
mb1 3.9/27, mb1mx3.6/9.9, mbmp4.3/27, Error ellipse:
s-maj=15.9km s-min=8.4km az=15.0

ISC 12 05:39:08.5+0.5, 56.29N, 0.06, 161.98W, 0.04,

2012 MAY

h198km, 4km, h198km, pP-P, n422, r1912/441, mb4.2/114,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like Sand Point, False Pass, Chignik, Aniackchak, West Dahl East, Akutan Strait, Akutan, Akutan Harbor, Akutan Zero, Makushin Table, Unalaska Valle, Makushin Switc, Makushin Cirqu, Mount Kelaz, Katmai Herd, Katmai Rainbow, Saint Paul Isl, Old Harbor, Nikolski Hill, Cape Douglas, Kodiak Island, Redoubt West, Homer, Drift River, Bradley Lake, Tatalina, Seward, Atka Island, Purkeypile, Palmer, Glory Hole Cre, Knik Glacier, Castle Rocks, Sawmill, Gambell, Kantisna Hill, Jack Peak, Knik, Sheep Creek Mo, Valdez, Cordova Ski Ar, Bear Paw Mtn, Reindeer, Divide, Klutina, McKinley, Ragged Mountai, Denali Highway, Bremner River, Manley, Indian Mountain, HAAR, Wood River Hill, Paxson, Clear Creek Bu, Harding Lake, College, Eielson Array, Eielson Array, Eielson Array, Sand Creek, Coldfoot, Fort Yukon, Eagle, Dawson, Toolik Lake Re, Toolik Lake Re, Skagway, Bessie Mountain, Whymore, Craig, Dease Lake, Dease Lake, Inuvik, Inuvik, Bilbino, Petropavlovsk, Petropavlovsk, Seymchan, Llyllo, Yellowknife Ar, Yellowknife Ar, Yellowknife Ar, YKA, YKA, B08A, EDM, NEW, NEW, WALA, JMTT, MOD, O03D, MSO, MSO, RES, RES, BEKR, TIXI, TIXI, HRY, PAHR, EGMT, EGMT, HLD, HLD, YCNR, MCMT, PNTR.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like Bozeman (W), Yerington, FFC Fin Flon, YHH Holmes Hill, NVMR Madison River, NVAR Mina Array Base, Grant Village, Monarch Peak, Red Lodge, Red Lodge, Teton Pass, LSA LSA Array, LSA LSA Array, Fort Churchill, Dagmar, Troy Canyon, Troy Canyon, Boulder Array, Boulder Array, Pinedale Array, Pinedale Array, Isabella Lake, Isabella Lake, Darwin (Calif), Arvin, Manual Prospec, Topopah Spring, Topopah Spring, Topopah Spring, Carleton Natn Rad, Thule, Gadsden, Bar, Casper, San Rafael Swe, Black Hills, Black Hills, Granite Mounta, Maddock, White River C, White River C, White River C, Bel Mtn. Jos, Lac du Bonnet, Lac du Bonnet, Lac du Bonnet, Linda, St. Vin, Iron Mountain, Greenbush Farm, Rocking H Ranc, Landman Farms, Ashes, Strandg, Paradox Valley, Warroad, Agassiz Nation, Agassiz Nation, Robert and Kas, Trail, Aeri, Baudette, Ann-Sam, Waubun, Webster, Westby DABS, E, Bob, Littlefor, Park Rapids, Ogallala, Ogallala, Jirik Farms, M, Carleton Farm, Ortonville, Great Sand Dun, Remer, Pehn Over Nor, Pequot Lakes, Pine Crest Far, Benson, Parkston, Goodland, Swanville, Embarras, Spellman Lake, EROS Data Cent, EROS Data Cent, EROS Data Cent, McGregor, State Highway.

EYMN	Ely	2.6nm,0.9s	42.29	70	P	P	05 46 42.6 +0.3
EYMN	Ely	baz=308,SNR=8.9	42.29	70	eP	P	05 46 42.8 +0.5
D37A	Cotton	1.1nm,0.9s	42.29	72	P	P	05 46 42.5 +0.2
F36A	Milaca	baz=308	42.53	74	P	P	05 46 44.1 -0.1
C38A	Sawbill Land.	baz=308	42.55	70	P	P	05 46 44.4 +0.1
H35A	Sunnyside Ranc	baz=310	42.58	76	P	P	05 46 45.2 +0.6
K33A	Hardington	baz=311	42.77	80	P	P	05 46 47.3 +1.0
G36A	St. Michael	baz=310	42.81	75	P	P	05 46 47.2 +0.7
C39A	Grand Marais	baz=309	43.09	70	P	P	05 46 48.7 +0.1
F37A	Hinrichs Farm,	baz=310,SNR=6.9	43.10	74	P	P	05 46 49.2 +0.4
E38A	The Farm, Brul	baz=310,SNR=7.3	43.10	72	P	P	05 46 49.0 +0.2
FRB	Fröbisher Bay	8.8nm,0.4s,baz=307,slow=8.6,SNR=112	43.23	40	P	P	05 46 49.1 -0.4
SPMN	Marine on St.	baz=310	43.33	74	P	P	05 46 50.9 +0.3
SPMN	Marine on St.	baz=310	43.33	74	eP	P	05 46 51.5 +0.8
F38A	Pierce - Schro	baz=310,SNR=11	43.35	73	P	P	05 46 51.7 +1.0
E39A	Mellon	baz=310	43.78	72	P	P	05 46 54.1 -0.1
I37A	Lemond, Waseca	baz=311	43.80	76	P	P	05 46 54.5 +0.1
G38A	Ridgeland	baz=310	43.87	74	P	P	05 46 55.0 0.0
F39A	Loretta	baz=310	43.89	72	P	P	05 46 55.0 -0.1
H38A	Malden Rock	baz=311	43.97	75	P	P	05 46 56.2 +0.5
E40A	Wakefield	baz=310	44.08	71	P	P	05 46 57.4 +0.8
G39A	Holcombe	baz=310,SNR=6.2	44.16	73	P	P	05 46 57.5 +0.2
J37A	Redenius Farm,	baz=311	44.19	77	P	P	05 46 57.7 +0.2
F40A	Park Falls	baz=310,SNR=5.3	44.31	72	P	P	05 46 58.6 +0.2
I38A	Scanlan Farm,	baz=311	44.36	75	P	P	05 46 59.3 +0.5
H39A	Augusta	baz=311	44.50	74	P	P	05 47 00.3 +0.3
K37A	Belmond	baz=312	44.51	78	P	P	05 47 00.2 +0.2
E41A	Kenton	baz=310	44.56	70	P	P	05 46 59.3 -1.1
G40A	Rib Lake	baz=311,SNR=5.8	44.69	73	P	P	05 47 01.6 +0.2
COWI	Conover	20nm,1.4s	44.71	71	eP	P	05 47 01.8 +0.2
I39A	Houston	baz=311	44.92	75	P	P	05 47 03.7 +0.4
F41A	Three Lakes	baz=311	44.96	71	P	P	05 47 03.9 +0.3
H40A	Chili	baz=311	45.02	73	P	P	05 47 04.0 0.0
J39A	Decorah	baz=312,SNR=6.4	45.17	76	P	P	05 47 05.2 0.0
DAG	Denmarks Havn	7.0nm,0.7s	45.19	11	iP	P	05 47 05.1 +0.2
L38A	Oak Wood Farm,	baz=312	45.30	78	P	P	05 47 06.3 +0.1
I40A	Norwalk	baz=312	45.38	74	P	P	05 47 07.1 +0.2
KSU1	Kansas State U	baz=314	45.39	83	P	P	05 47 07.5 +0.4
K39A	Delwein	baz=312	45.50	76	P	P	05 47 07.3 -0.5
G42A	Mountain	9.4nm,0.6s	45.65	71	eP	P	05 47 09.5 +0.5
J40A	Soldiers Grove	baz=312	45.65	75	P	P	05 47 09.0 0.0
E43A	Lone Tree Farm	baz=311	45.65	69	P	P	05 47 09.2 +0.2
M38A	Pleasantville	baz=313	45.66	79	P	P	05 47 09.4 +0.3
I41A	Arkdale	baz=312	45.67	74	P	P	05 47 09.4 +0.3
SUMG	Summit	9.1nm,0.5s	45.67	21	iP	P	05 47 09.8 +0.6
SUMG	Summit	8.3nm,0.6s	45.67	21	eP	P	05 47 09.9 +0.7
K40A	Colesburg	baz=312	45.91	76	P	P	05 47 10.4 -0.6
J41A	Loganville	baz=312	46.06	74	P	P	05 47 11.7 -0.5
M39A	Webster	baz=313,SNR=9.7	46.18	78	P	P	05 47 13.2 +0.1
JFWS	Jewell Farm	baz=312	46.24	75	P	P	05 47 13.0 -0.6
JFWS	Jewell Farm	5.9nm,0.6s	46.24	75	eP	P	05 47 13.9 +0.2
I42A	Drager Farm,	baz=312	46.30	73	P	P	05 47 13.9 -0.1
I42A	Drager Farm,	8.3nm,0.6s	46.30	73	eP	P	05 47 14.4 +0.4
P37A	Lathrop	baz=314	46.30	81	P	P	05 47 13.7 -0.4
N39A	Derby Farms, D	baz=313	46.41	79	P	P	05 47 15.1 +0.1
K41A	Shullsburg	baz=313,SNR=5.3	46.42	75	P	P	05 47 15.0 0.0
P38A	Dawn	baz=314	46.72	81	P	P	05 47 17.5 +0.1
K42A	Prairie Point,	baz=314	46.82	74	P	P	05 47 18.0 -0.1
J43A	Natural Harves	baz=312	46.91	73	P	P	05 47 18.7 -0.1
N40A	Mertquake, Sal	baz=313	46.91	78	P	P	05 47 18.8 0.0
Q38A	Cooks Store, C	baz=315	47.14	81	P	P	05 47 20.6 0.0
P39B	Salisbury	baz=314	47.25	80	P	P	05 47 21.0 -0.5
O40A	La Belle	baz=314	47.28	79	P	P	05 47 21.8 +0.1
WMOK	Wichita Mounta	baz=317	47.32	89	P	P	05 47 22.4 +0.3
WMOK	Wichita Mounta	2.9nm,0.7s	47.32	89	eP	P	05 47 23.0 +0.9
K43A	Burlington	baz=313	47.41	74	P	P	05 47 22.6 -0.1
N41A	Harden Midland	baz=314	47.43	78	P	P	05 47 22.8 0.0
Q39A	Willow Grove F	baz=315	47.44	81	P	P	05 47 22.9 0.0
R38A	Fenwick Farm,	baz=315	47.53	82	P	P	05 47 23.1 -0.6
F40A	Paris	baz=314	47.60	80	P	P	05 47 23.9 -0.3
O41A	Pasleys Farm,	baz=314	47.83	78	P	P	05 47 25.4 +0.5
R39A	Chumby, Stover	baz=315	47.92	82	P	P	05 47 26.0 -0.6
S38A	Stockton	baz=315	47.93	83	P	P	05 47 25.8 -0.9
M43A	Waltham Townsh	baz=314	47.95	76	P	P	05 47 26.2 -0.6
Q40A	Laux Farm, Aux	baz=315	47.97	80	P	P	05 47 26.5 -0.5
P41A	Barry, Barry	baz=315,SNR=7.1	48.04	79	P	P	05 47 27.3 -0.2
T38A	Diamond	baz=316	48.14	84	P	P	05 47 28.0 -0.4
R39A	Bolivar	baz=315	48.21	82	P	P	05 47 27.9 -1.0
S40A	Madvies Statio	baz=315,SNR=8.9	48.36	81	P	P	05 47 29.3 -0.7
HDIL	Hopedale	baz=314	48.39	77	P	P	05 47 29.7 -0.4
ABTX	Ablene, Hawle	baz=318	48.40	92	P	P	05 47 30.4 -0.1
Q41A	Truxton	baz=315	48.46	80	P	P	05 47 30.3 -0.4
M44A	Midewin, Midew	baz=314	48.48	75	P	P	05 47 30.4 -0.5
P42A	Winchester	baz=315	48.50	78	P	P	05 47 30.7 -0.4

T39A	Clever	48.66 83 P	P	05 47 31.5 -0.8
TXAR	Lajitas Array	48.67 98 P	P	05 47 34.3 +1.7
S40A	Lebanon	0.4nm,0.4s,baz=298,slow=5.9,SNR=9.0	P	05 47 32.4 -0.4
R41A	Rosebud	48.85 80 P	P	05 47 33.2 -0.5
Q42A	Golden Eagle	48.87 79 P	P	05 47 33.5 -0.4
P43A	Skaggs, Pawnee	48.91 78 P	P	05 47 33.6 -0.5
T40A	Manfield	49.04 82 P	P	05 47 34.4 -0.8
U39A	Green Forest	49.06 84 P	P	05 47 35.0 -0.4
CCM	Cathedral Cave	49.09 80 P	P	05 47 34.9 -0.6
O44A	Manfield	49.12 76 P	P	05 47 35.2 -0.5
S41A	Jillo Farms,	baz=316,SNR=17	49.15 81 P	05 47 35.3 -0.8
R42A	Luebering	baz=315	49.18 80 P	05 47 35.9 -0.3
TOBO	Tobermory, Bru	baz=313,SNR=7.7	49.26 67 P	05 47 36.7 0.0
Q43A	New Douglas	baz=315	49.31 78 P	05 47 37.4 +0.2
V39A	Pettigrew	baz=316	49.37 84 P	05 47 37.4 -0.4
U40A	Yellville	baz=316	49.43 83 P	05 47 37.6 -0.6
O45A	Potomac	baz=315,SNR=7.0	49.45 76 P	05 47 38.3 0.0
P44A	Sand Creek, Wi	baz=315	49.52 77 P	05 47 38.8 0.0
T41A	Mountain View	baz=316	49.54 82 P	05 47 38.0 -0.9
S42A	Caledonia	baz=316	49.55 80 P	05 47 38.3 -0.7
R43A	Red Bud	baz=316	49.66 79 P	05 47 39.4 -0.4
SFIN	Lafayette	baz=315,SNR=5.1	49.70 75 P	05 47 39.9 -0.2
SFIN	Lafayette	1.1nm,0.8s	49.70 75 eP	05 47 40.2 +0.1
W39A	Magazine	baz=317	49.76 85 P	05 47 40.4 -0.3
W39A	Magazine	6.4nm,1.3s	49.76 85 eP	05 47 40.7 +0.1
KLBO	Killbear Provi	baz=313,SNR=5.1	49.84 66 P	05 47 41.1 +0.1
BMRO	Merriville Lake	baz=314,SNR=5.9	49.85 67 P	05 47 41.4 +0.2
V40A	Witts Springs	baz=317,SNR=8.0	49.85 84 P	05 47 40.6 -0.8
V40A	Witts Springs	7.1nm,0.7s	49.85 84 eP	05 47 40.5 -0.8
T42A	Van Buren	baz=316	49.91 81 P	05 47 40.7 -1.1
JCT	Junction City	baz=320	49.94 94 P	05 47 42.4 +0.4
BASO	Ashfield	50.02 68 P	P	05 47 42.3 -0.2
S43A	Fulton Ridge,	baz=316	50.08 80 P	05 47 42.7 -0.4
W40A	Ferguson Farm,	baz=315	50.16 84 P	05 47 43.5 -0.1
P46A	Rosedale	baz=315	50.18 76 P	05 47 43.5 -0.2
Q45A	Warren Harvey,	baz=315	50.18 77 P	05 47 43.6 -0.1
BUKO	Buck Lake	baz=314,SNR=10	50.19 65 P	05 47 43.6 -0.2
V41A	Mountainview	baz=317,SNR=7.0	50.23 83 P	05 47 43.5 -0.7
O47A	Sheidan	baz=315	50.30 75 P	05 47 44.0 -0.6
T43A	Greenville	baz=316,SNR=9.2	50.32 81 P	05 47 44.2 -0.6
SCIO	Screebystund	4.9nm,0.7s	50.34 16 eP	05 47 45.0 +0.5
MIAR	Mount Ida	baz=317	50.36 85 P	05 47 45.5 +0.3
CLWO	Collingwood	baz=315	50.42 67 P	05 47 45.6 +0.1
WHAR	Woolly Hollow	2.0nm,0.7s	50.52 84 eP	05 47 46.8 +0.4
R45A	Skyler, Fairir	baz=315	50.55 78 P	05 47 46.3 -0.1
W41B	Gary Mavity, V	3.5nm,1.1s	50.63 84 eP	05 47 46.8 -0.4
P47A	Martinsville	baz=315	50.78 75 P	05 47 47.9 -0.4
SADO	Sadow	5.8nm,0.7s	50.79 66 eP	05 47 47.9 -0.4
Q47A	Bedord North L	baz=316	51.09 76 P	05 47 50.1 -0.4
PEMO	Pembroke	baz=314	51.11 64 P	05 47 49.8 -0.8
ACTO	Acton	baz=314	51.13 67 P	05 47 50.6 -0.2
BANO	Bancroft	baz=315,SNR=6.2	51.23 65 P	05 47 51.5 0.0
WLAR	White Oak Lake	5.1nm,0.6s	51.25 86 eP	05 47 51.9 +0.2
Y41A	Egglethe Beard	baz=315	51.38 85 P	05 47 52.3 +0.5
PKRO	Pickering	baz=314	51.39 66 P	05 47 53.8 +0.1
R47A	Wooly Knot Far	baz=316	51.50 77 P	05 47 53.1 -0.4
TYNO	Tyrone	baz=315	51.60 68 P	05 47 53.9 -0.3
PLVO	Plevna	baz=314	51.64 64 P	05 47 54.3 -0.2
PLVO	Plevna	7.3nm,1.1s	51.64 64 eP	05 47 54.6 +0.1
DELO	Deloro Mine	baz=315,SNR=6.2	51.74 65 P	05 47 55.3 0.0
WLVO	Wesleyville	baz=315,SNR=5.1	51.76 66 P	05 47 55.8 +0.4
U46A	Springville	baz=317	52.01 80 P	05 47 57.4 +0.1
ACSO	Alum Creek Sta	baz=316	52.01 72 P	05 47 56.6 -0.9
ACSO	Alum Creek Sta	4.3nm,0.6s	52.01 72 eP	05 47 56.5 -0.9
TRQ	Mont Tremblant	52.06 62 eP	P	05 47 57.0 -0.6
ALFO	Alfred	52.32 62 P	P	05 47 58.7 -0.8
WVT	Waverly	52.37 80 P	P	05 48 00.2 +0.2
V46A	Holladay	baz=317	52.45 80 P	05 48 00.4 -0.2
241A	Mo Tay, Galdon	baz=319	52.60 87 P	05 48 02.1 +0.3
Y44A	Strider, Charl	baz=318	52.66 83 P	05 48 02.4 +0.3
OXF	Oxford	baz=318	52.69 82 P	05 48 02.5 +0.1
OXF	Oxford	52.69 82 eP	P	05 48 02.5 +0.1
U48A	Cassie Pea, Po	17nm,0.5s	52.79 78 P	05 48 03.2 +0.1
M54A	Oil Creek Stat	baz=316	52.84 69 P	05 48 03.3 -0.1
M54A	Oil Creek Stat	4.6nm,0.6s	52.84 69 eP	05 48 03.3 -0.3
MNNY	Mt. Morris Dam	12nm,0.4s	52.87 67 eP	05 48 03.4 -0.2
N54A	Moraine State	baz=315	53.06 70 P	05 48 04.7 -0.3
N54A	Moraine State	11nm,1.4s	53.06 70 eP	05 48 04.7 -0.3
PLAL	Pickwick Lake	5.2nm,1.2s	53.08 81 eP	05 48 04.8 -0.4
X46A	Booneville	baz=318	53.11 81 P	05 48 05.3 -0.2
W47A	Westpoint	baz=318	53.14 80 P	05 48 05.3 -0.4
LONY	Lake Ozonia	6.6nm	53.19 63 eP	05 48 05.0 -1.0
342A	Flagon Creek P	baz=319	53.42 87 P	05 48 07.6 -0.1
Y46A	Houston	baz=318	53.46 82 P	05 48 07.8 -0.2
FRNY	Flat Rock	53.52 62 eP	P	05 48 07.4 -1.0

W48A	Pulaski	6.8nm,1.0s	53.59 80 P	P
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12d 6h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s ISC. Includes stations like ASAO, BHD, HKZM, IRAZ, QAM, QABG, IKHL, IRS, GHVR, IZEF, IRAM, CHTH, NASN, IKAZ, RTB, BTRR, MLR, SORM, VOIR, ARF, AKASG, BURAR, KURBB, MKAR, FINES, HFS, ARCES, TORD, YKA.

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

ISCJB 12 05:54:15.8±0.3, 6.19S:0.04±128.51E:0.05, h322km, mb3.8/10, Error ellipse: s-maj=7.0km s-min=4.9km az=175.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s ISC. Includes stations like AAI, MSAL, NLAI, SAUI, SANI, FAKI, SOEI, LBMI, SJJI, BATI, BATI, FITZ, FITZ, WRA, ASAR, ASAR, PMG, CTA, STKA, CMAR, KSRS, MJAR, RPZ, JRN, GUN, PKN, GKI, KOLN, PYUN, MKAR, KURBB, SEY, BVAR.

NNC 12 05:58:42.8±5.1, 42.27N:82.99E, h0km, mb3.5, mpv3.1, Error ellipse: s-maj=44.6km s-min=20.6km az=159.0

2012 MAY

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s ISC. Includes stations like SHLS, PDGK, PDGK, DJR, DJR, UZR, UZR, UZB, KPKS, KPKS, SATY, SATY, KURS, KURS, MNBS, MNBS, KAPS, KAPS, ARXS, ARXS, ARXS, ARXS, MK31, MK31, MK31, MK31, MAZK, MAZK, MAZK, MAZK, MDOK, MDOK, TNSJ, TNSJ, CHHK, CHHK, CHHK, CHHK, IZV, IZV, DGS, DGS.

NIED 12 06:03:00.38±40N:141.90E, h53km, Mw3.8 Best double couple: M66-4700x1014, NP12:16.00000°, 871.00000°, 1.18.00000°, NP2:280.00000°, 873.00000°, 1.160.00000°

ISCJB 12 06:03:27.0±0.8, 38.14N:141.93E:0.09, h63km, 6km, mb3.8/11, Error ellipse: s-maj=12.0km s-min=5.7km az=20.8

JMA 12 06:03:29.0±38.24N:141.85E, h58km, 1km, M3.8 JMA Fell II J1.

ISC 12 06:03:28.4±1.3, 38.14N:141.97E:0.09, h55km, 11km, n35, ±106±36, mb3.8/11, 1C-2D, Near east coast of Sumatra Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s ISC. Includes stations like JIO, JIO, OFLU, OFLU, JMK, JMK, JOU, JOU, JMM, JMM, JOM, JOM, JOK, JOK, JYK, JYK, JYK, JYK, JYK, JYK, MJAR, MJAR, MAT, MAT, USRK, USRK, KSRS, KLR, H1N2, H1N1, H1N1, H1N1, H1N1, H1N1, H1S2, H1S2, MK31, MK31, MK31, ILAR, ILAR, WRA, WRA, ASAR, ASAR, YKA, YKA, HFS, HFS.

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

IDC 12 06:11:12.2±2.1, 31.78N:50.00E, h0km, mb3.6/7, mb1.3/7.8, mb1mx3.4/62, mbtmp3.6/8, ML3.3/1, Error ellipse: s-maj=44.0km s-min=28.8km az=159.0

TEH 12 06:11:12.7±1.8, 31.82N:50.15E, h10km, ML3.4, ISCJB 12 06:11:15.4±0.5, 31.83N:50.04±0.5, 15E:0.04, h15km, mb3.5/7, Error ellipse: s-maj=6.0km s-min=4.6km az=9.8

CSEM 12 06:11:16.4±0.1, 31.74N:50.18E, h34km, ML3.4, ISC 12 06:11:13.8±0.7, 31.75N:50.04±50.23E:0.04, h15km, n32, ±1940/34, mb3.4/7, Northern and central Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s ISC. Includes stations like ZNGN, ZNGN, ROKH, ROKH, IPIR, IPIR, SHGR, SHGR, IGAR, IGAR, IRAM, IRAM, IKHL, IKHL, KHMZ, KHMZ, IZEF, IZEF, QAM, QAM, IKAZ, IKAZ, NASN, NASN, ASAO, ASAO, GHVR, GHVR, IPAR, IPAR, HAGD, HAGD, IKOM, IKOM, IKOM, IKOM, IVRN, IVRN, IRAZ, IRAZ, HKZM, HKZM, IVIS, IVIS, IGHG, IGHG, BRTR, BRTR, AKASG, AKASG, MKAR, MKAR, FINES, FINES, HFS, HFS, ARCES, ARCES, TORD, TORD, YKA, YKA.

MAN 12 06:32:04.7, 11.51N:125.35E, h20km, mb4.4, ML3.2, MS3.0, 1D, Samar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s ISC. Includes stations like BESP, BESP, PLP, PLP, CNP, CNP, MSLP, MSLP.

ISK 12 06:35:09.7, 37.90N:36.01E, h12km, ML2.4/2, DDA 12 06:35:10.6, 37.79N:35.94E, h7km, M2.6, ISCJB 12 06:35:11.3±0.5, 37.85N:0.03±35.99E:0.04, h17km, 6km, Error ellipse: s-maj=5.2km s-min=4.7km az=164.9

CSEM 12 06:35:11.0±0.2, 37.86N:36.01E, h20km, M2.6, Error ellipse: s-maj=4.9km s-min=4.5km az=162.0, ISC 12 06:35:10.8±0.9, 37.85N:0.03±36.00E:0.03, h24km, 6km, n23, ±062/41, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s ISC. Includes stations like SAIM, SAIM, SAIM, SAIM, ANDN, ANDN, ANDN, ANDN, ANDN, ANDN, KZOT, KZOT, KZOT, KZOT, KMRS, KMRS, KMRS, KMRS, BNN, BNN, BNN, BNN, BNN, BNN, GULE, GULE, GULE, GULE, GAZ, GAZ, GAZ, GAZ, KUZU, KUZU, KUZU, KUZU, KERY, KERY.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KERK Konya-Eregli, MALT Malatya, SURC SANLIURFA\_SURC.

BUI 12 06:45:18.1, 15:25N; 122:80E, h15km, mb4.6/11, mB4.6/6, Ms4.2/5, Ms7.4/0.4
ISCJB 12 06:45:22.0, 15:21N; 0:02:122:42E:0:03, h33km, mb4.6/75, MS3.7/27, Error ellipse: s-maj=4.1km s-min=2.9km az=170.6
MAN 12 06:45:22.2, 15:23N; 122:34E, h12km, mb5.5, ML4.4, MS4.7
NEIC 12 06:45:24.9, 0.7, 15:07N; 122:39E, h46km, mb4.7/48, Error ellipse: s-maj=5.4km s-min=3.9km az=80.0

Main station list table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BALP Baler, GUP Guinayangan, LOP Lukban, TGY Tagaytay City, etc.

Main station list table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like AS31 Alice Springs, AS01 Alice Springs, CTA Charters Tower, etc.

Main station list table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ARR Arges, STHS Stebnicka Huta, SRE Strehaia, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like IDC 12 07:23:42.2, 0.5, 5:13S; 133:59E, h0km, mb3.6/1, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like IDC 12 07:30:01.0, 9.0, 6:52S; 0:06:130:07E:0:08, h146km, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MEX 12 07:34:40.0, 4.0, 5:31N; 93:51W, h85km, gkm, MD3.8, etc.











Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like DGRG David-gareji, ONI, AKHTY Akhty, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like SFK Sufi-Kurgan, MNAS Manas, KK31 Karatay Array, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like GUMO Guam, JHJ Hachijo jima 2, H11S3 WAKE ISLAND Hy 22.76, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like DST Dursunbey, SIMA Simav-Kutahya, TVSB Tavsanli, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like GOLH Golhisar, FETV Fethiye, TURN Turunc, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like BPI2 IPOC Station P, MNMC Minye Minye, PSCG Pisagua, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like KURK Kurchatov, KURBB Kurchatov Arra, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like ONAJ Iwakimizuishiy, JFK Kawachi, JFT Otama, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like SPN Nlys Shipunski, NLC Nalytchevo, DALK Dalny, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like MK31 Makanchi Array, DJR Jarakt, MAZK Makanchi, etc.











Table with columns: ID, Name, Az, El, Range, Az, El, Range, Az, El, Range, Az, El, Range. Includes entries like P37A Lathrop, M39A Webster, I42A Oregan Farm, etc.

Table with columns: ID, Name, Az, El, Range, Az, El, Range, Az, El, Range, Az, El, Range. Includes entries like Q47A Bedord North L, Z42A Norrel Spur, R47A Woy Knot Far, etc.

Table with columns: ID, Name, Az, El, Range, Az, El, Range, Az, El, Range, Az, El, Range. Includes entries like GMLD Gumuldur, GMLD G?zelcam!, GCAM G?zelcam!, etc.

IDC 12 13:57:07.9.0.6.27:68S:177:02W, h0km, mb4.1/13, mb1 4.3/13, mb1mx4.1/44, mbtmp4.1/41, MS3.6/5, Ms1 3.6/5, ms1mx3.1/49, Error ellipse: s-maj=22.4km s-min=16.0km az=109.0

ISCJB 12 13:57:14.3.0.6.27:76S:0:09:177:1W:0.1, h55km, mb4.1/13, MS3.5/4, Error ellipse: s-maj=19.0km s-min=11.7km az=17.2

ISC 12 13:57:15.5.0.6.27:86S:0:08:177:1W:0.2, h55km, n39, e151:29, mb4.0/13, MS3.6/4, Kermadec Islands region

Table with columns: Code, Station Name, Az, El, Range, Az, El, Range, Az, El, Range, Az, El, Range. Includes entries like RAO Raoul Island, RAO Urewhera, URZ Urewhera, etc.

IDC 12 13:40:07.8.2.2.6.57S:129.93E, h0km, mb3.4/1, mb1 3.3/4, mb1mx3.3/4, mbtmp3.4/4, ML3.3/3, Error ellipse: s-maj=97.4km s-min=27.8km az=77.0, Banda Sea

Table with columns: Code, Station Name, Az, El, Range, Az, El, Range, Az, El, Range, Az, El, Range. Includes entries like FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

IDC 12 13:57:32.5.4.9.13:67N:90:50W, h89km, 26km, mb3.0/3, mb1 3.3/4, mb1mx3.1/40, mbtmp3.3/4, MS3.5/1, Ms1 3.5/1, ms1mx2.5/17, Error ellipse: s-maj=54.2km s-min=46.2km az=131.0

ISCJB 12 13:57:33.7.1.7.14:10N:0:1:90:89W:0:09, h73km, mb3.3/3, Error ellipse: s-maj=21.8km s-min=11.2km az=16.6

MEX 12 13:57:35.7.0.7.14:10N:0:39W, h0km, 24km, MD4.0, ISC 12 13:57:33.6.1.7.13:39N:0:1:90:96W:0:08, h73km, n10, e140:1/14, mb3.3/3, Near coast of Guatemala

Table with columns: Code, Station Name, Az, El, Range, Az, El, Range, Az, El, Range, Az, El, Range. Includes entries like APG El Apazote, APG El Apazote, APG El Apazote, etc.

ISK 12 13:43:06.8.37:84N:26:93E, h9km, ML2.4/6, ISCJB 12 13:43:07.1.0.6.37:84N:0:04:26:93E:0.05, h13km, 5km, Error ellipse: s-maj=8.8km s-min=4.1km az=39.3

CSEM 12 13:43:07.2.0.1.37:84N:26:91E, h10km, ML2.4, Error ellipse: s-maj=4.2km s-min=2.3km az=45.0

DDA 12 13:43:07.4.37:85N:26:92E, h7km, ML2.8, ISC 12 13:43:07.2.1.0.37:84N:0:03:26:92E:0.03, h17km, 8km, n24, e051:36, Dodecanese Islands

Table with columns: Code, Station Name, Az, El, Range, Az, El, Range, Az, El, Range, Az, El, Range. Includes entries like DGB zmir, GMLD Gumuldur, GMLD Gumuldur, etc.

comp=Z,82nm,19.7s,baz=283,slow=38
NVAR Mina Array Bea 34.40 320 P
0.1nm,0.4s,baz=125,slow=8.9,SNR=2.7
Yellowknife Ar 51.37 346 P
0.1nm,0.3s,baz=134,slow=9.5,SNR=3.3

YKA 14 06 29.5 -1.1
WARR 14 06 49.3 +0.3
WRA 14 16 46.8 -1.1
0.2nm,0.6s,baz=140,slow=7.8,SNR=3.8
Warrungarra Ar 136.34 256 PKP
0.2nm,0.6s,baz=87,slow=2.5,SNR=4.6

IDC 12 14:16:47.6;1.7;7.16S;148.43E,h0km,mb3.6/3,
mb1 3.6/5,mb1mx3.4/52,mbtmp3.6/5,ML3.3/1,Error
ellipse: s-maj=75.3km s-min=21.7km az=122.0

ISCJB 12 14:16:52.9;1.6;7.0S;0.1;148.1E;0.3;h47km,mb3.2/3,
Error ellipse: s-maj=49.8km s-min=13.8km az=19.6
ISC 12 14:16:54.3;1.7;7.1S;0.2;148.2E;0.4;h47km,n6,c089/7,
mb3.2/3,Eastern New Guinea region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include PMG Port Moresby, WRA Warrungarra Ar, ASAR Alice Springs, FITZ Fitzroy Crossi, ILAR Eielson Array, TORD Torodi Ar, Bea.

IDC 12 14:25:31.3;1.5;1.77N;125.94E,h0km,mb3.6/4,
mb1 3.8/5,mb1mx3.4/66,mbtmp3.6/5,ML3.3/1,Error
ellipse: s-maj=114.3km s-min=15.8km az=69.0

ISCJB 12 14:25:36.3;1.1;1.80N;0.1;126.04E;0.08,h4km,
mb3.6/4,Error ellipse: s-maj=13.7km s-min=11.8km
az=176.2

DJA 12 14:25:42.4;1.4;1.1N;4.12E;6E,s;h18km;11km,M3.5/6,
MLV3.5/6
ISC 12 14:25:39.0;1.3;1.70N;0.1;125.98E;0.09,h54km,n8,
c289/12,mb3.7/4,Northern Molouca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include KMSI Cibinong, LBMI Labuha, SANI Sanana, FITZ Fitzroy Crossi, WRA Warrungarra Ar, ASAR Alice Springs, MKAR Makanchi Ar, KURBB Kurchatov Arra.

IDC 12 14:33:17.1;1.9;36.93N;141.49E,h0km,mb3.2/3,
mb1 3.2/6,mb1mx3.2/6,mbtmp3.3/6,ML2.9/2,MS2.5/1,
MS1.2/1,ms1mx2.2/26,Error ellipse: s-maj=34.5km
s-min=24.1km az=132.0

JMA 12 14:33:18.9;0.1;36.93N;141.40E,h32km;1km,M3.3
ISCJB 12 14:33:20.0;0.9;36.93N;0.05;141.37E;0.08,h33km,
mb3.3/3,Error ellipse: s-maj=9.7km s-min=6.4km az=13.5

ISC 12 14:33:21.7;1.2;36.96N;0.05;141.30E;0.07,h33km,n2,
c1937/19,mb3.3/3,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include ONAJ Iwakimizuishiy, JFK Kawachi, JFO Hitachi, JHO Otama, JSB Shioha, JFY Yanaizu, JJO Ouri, MJAR Matsushiro Arr, MAT Matsushiro, MAT Hachijo jima 2, JHU Hachijo jima 2, KRSR Korea Array, H1N2 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, H1S3 WAKE ISLAND Hy, H1S2 WAKE ISLAND Hy, MKAR Makanchi Array, KURBB Kurchatov Arra, ILAR Eielson Array.

BJI 12 14:34:40.8;23.36S;175.47W,h5km,mb5.1/35,mb5.5/23,
Ms5.1/21,Ms7.4/21

IDC 12 14:34:42.0;4.2;23.32S;175.71W,h0km,mb4.7/31,
mb1 4.8/31,mb1mx4.7/46,mbtmp4.7/31,ML6.2/1,MS4.6/4,
MS1.4/6.4,ms1mx4.6/46,Error ellipse: s-maj=14.0km
s-min=11.8km az=138.0

ISCJB 12 14:34:43.7;1.2;23.89S;0.03;175.57W;0.04,h32km,8km,
mb4.9/86,MS4.8/60,Error ellipse: s-maj=6.6km
s-min=3.8km az=18.9

MOS 12 14:34:45.8;1.4;23.40S;175.78W,h33km,mb5.2/24,
MS4.9/14,Error ellipse: s-maj=10.5km s-min=9.3km
az=78.9

NEIC 12 14:34:48.2;1.6;23.47S;175.75W,h46km;14km,mb4.9/35,
Error ellipse: s-maj=10.9km s-min=8.7km az=149.0

GCMT 12 14:34:49.2;0.2;23.45S;175.71W,h29km,ML5.4/135,
Moment Tensor Solution: s11c;204; s13c;250;
Duration: 192 Moment tensor: Scale 10^17Nm;
Mn:0.09;0.02; Mn:1.20;0.02; Mn:1.29;0.02; Mn:0.00;0.03;
Mw:0.84;0.02; Mw:0.77;0.03; Best double couple;
Mo:1.66500x10^17 Np1:1.451.00000; s83.00000;
lambda:23.00000; NP2:124.00000; s68.00000;
lambda:172.00000; Principal axes: T 1.4970,Plg10.00000,
Azim200.00000; N 0.3330,Plg66.00000, Azim314.00000; P
-1.8340,Plg21.00000; Azim105.00000; nstla refers to
body waves, cutoff=40s. nstaz12 refers to surface waves,
cutoff=40s

ISC 12 14:34:45.0;2.5;23.94S;0.04;175.59W;0.06,h28km;3km,
h29km;pp-P,n351,c181/345,mb5.0/86,MS4.8/61,
30C-17d,Tonga Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include RIZ Raoul Island, RIZ Raoul Island.

RAO Raoul Island 5.68 201 Pn
560nm,0.3s,baz=68,slow=11,SNR=22
RAO Raoul Island 5.68 201 ePn
254nm,0.3s,baz=252,slow=19,SNR=4.9

RAO Raoul Island 5.68 201 ePn
RAO Raoul Island 5.68 201 ePn
GLKZ Green Lake 5.69 201 P
GLKZ Green Lake 5.69 201 S
MSVF Nonsavu 8.57 315 ePn
MSVF Nonsavu 8.57 315 dPn
AFI Afiamalu 10.61 21 Pn
69nm,0.3s,baz=153,slow=2.5,SNR=55

AFI Afiamalu 10.61 21 ePn
AFI Afiamalu 10.61 21 ePn
GRZ Great Barrier 14.50 210 P
GRZ Matakaoa Point 14.50 210 P
WMGZ Waioamatinati S 14.75 199 S

WMGZ Waioamatinati S 14.75 199 S
KUZ Kuaotunu 14.79 208 P
RAR Rarotonga 14.86 83 P
47nm,0.3s,baz=261,slow=9.1,SNR=205

RAR Rarotonga 14.86 83 P
RAR Rarotonga 14.86 83 P
RAR Rarotonga 14.86 83 P
RAR Rarotonga 14.86 83 P

HAZ Haze 14.89 201 P
HAZ Haze 14.89 201 P
PKGZ Pakihiroa 14.92 200 P
PUZ Puketiti 15.03 199 P
PUZ Puketiti 15.03 199 P

RUGZ Raukumara Rang 15.12 201 P
RUGZ Raukumara Rang 15.12 201 P
RUGZ Raukumara Rang 15.12 201 P
RUGZ Raukumara Rang 15.12 201 P

CNGZ Carnagh Station 15.43 199 P
MWZ Matawai 15.50 201 P
URZ Urewera 15.57 202 P
1.5nm,0.3s,baz=272,slow=3.8,SNR=26

URZ Urewera 15.57 202 P
URZ Urewera 15.57 202 P
URZ Urewera 15.57 202 P
URZ Urewera 15.57 202 P

URZ Urewera 15.57 202 P
URZ Urewera 15.57 202 P
URZ Urewera 15.57 202 P
URZ Urewera 15.57 202 P

URZ Urewera 15.57 202 P
URZ Urewera 15.57 202 P
URZ Urewera 15.57 202 P
URZ Urewera 15.57 202 P

RAOZ Rawiri 15.68 201 P
TOZ Taharoa Road 15.71 207 P
MUGZ Murupara 15.88 202 P
RTZ Rustahuna 15.94 202 P
SNGZ Shannon Station 15.97 200 P

MHGZ Mahia Peninsula 16.14 198 P
RAHZ Arahui 16.17 201 P
MTHZ Maungataniwha 16.20 202 P
TLZ Tolley Road 16.21 206 P
MRHZ Mataea Rd 16.32 203 P

NMHZ Naumai 16.43 201 P
RATZ Rangitukia 16.59 204 P
BATZ Black Stump Fm 16.59 202 ePn
2.7nm,0.4s

DZM Mont Dzumac 16.64 273 LR
comp=Z,1.1m,21.4s,baz=100,slow=28
HIZ Huaiti 16.65 207 P
MCHZ McNeill Hill 16.78 201 P

KWHz Kaweti Forest 16.87 201 P
WVZ West Tongariro 16.88 204 P
COVZ Chateau Observ 16.97 204 P
FWVZ Far West T-bar 17.01 204 P

BHHZ Black Hill Sta 17.03 203 P
KAHZ Kahurangi 17.04 200 P
KRHZ Kereri 17.07 202 P
MOVZ Moawhanga 17.07 203 P

VRZ Vera Road 17.21 206 P
PXZ Pawanui 17.26 200 P
PNHZ Pukenui 17.37 202 P
PRHZ Pirangahau 17.58 202 P
TSZ Takapu Road 17.58 202 P

WAZ Wanganui 17.66 205 P
DVHZ Dannevirke 17.72 201 P
ANWZ Angora Road 17.77 200 P
POWZ Post Office Ro 17.94 202 P
PRWZ Port Road 18.02 201 P
BFZ Birch Farm 18.04 200 ePn

HOWZ Houldsworth Sta 18.48 202 P
MTW Mount Morrison 18.72 201 P
THZ Tophouse 20.19 206 eP
29nm,1.0s

KHZ Kahutara 20.51 203 eP
37nm,0.9s
RPZ Rata Peaks 22.57 206 P
1.3nm,0.6s,baz=216,slow=2.5,SNR=4.9

RPZ Rata Peaks 22.57 206 P
RPZ Rata Peaks 22.57 206 P
RPZ Rata Peaks 22.57 206 P
RPZ Rata Peaks 22.57 206 P

FOZ Fox Glacier 22.93 208 eP
60nm,1.2s
TBI Tubaui 23.94 94 eS
666nm,24.5s

TBI Tubaui 23.94 94 eS
TBI Tubaui 23.94 94 eS
TBI Tubaui 23.94 94 eS
TBI Tubaui 23.94 94 eS

PAE Paes 25.08 81 eT
4nm,0.3s
PPT2 Papeete 25.11 80 eS
1.1m,31.6s

PPT2 Papeete 25.11 80 eS
PPT2 Papeete 25.11 80 eS
PPT2 Papeete 25.11 80 eS
PPT2 Papeete 25.11 80 eS

PPT2 Papeete 25.11 80 eS
PPT2 Papeete 25.11 80 eS
PPT2 Papeete 25.11 80 eS
PPT2 Papeete 25.11 80 eS

TIAR Tiarei 25.33 80 eP
25nm,1.0s
TIAR Tiarei 25.33 80 eT
4.8nm,0.3s

TVO Tavara 25.34 81 eT
24nm,1.0s
TVO Tavara 25.34 81 eT
25.34 81 eT

HNR Honiara 27.45 298 P
1.9nm,0.2s,baz=213,slow=17,SNR=3.0
HNR Honiara 27.45 298 P

PMOR Pomariorio Re 27.54 76 eT
2.5nm,0.2s
ARMA Armadale 29.79 250 P
30nm,SNR=5.7

EIDS Eidsvold 30.28 260 P
63nm,SNR=4.2
EIDS Eidsvold 30.28 260 eP
6.3nm,0.6s

MCGCD Mangrove Creek 30.56 245 P
3.21m,SNR=5.2
ROMA Roma 32.29 258 P
baz=32,SNR=8.9

CAN Canberra 32.64 241 P
baz=33
CMSA Cobar Meteorol 34.95 249 P
baz=35

CTA Charters Tower 35.51 269 P
11nm,0.3s,baz=96,slow=10,SNR=71
CTA Charters Tower 35.51 269 eP
27nm,0.9s

CTAO Charters Tower 35.51 269 eP
CTAO Charters Tower 35.51 269 pmax

QLP Quilpie 36.33 257 P
baz=36,SNR=3.0
TAOE Nuku Hiva Isla 37.03 72 eLR
comp=Z,3.0m,0.9s

TAOE Nuku Hiva Isla 37.03 72 eLR
RKT Rikitea 37.16 97 eS
comp=Z,286nm,26.5s

RKT Rikitea 37.16 97 eS
MTSU Mount Surprise 37.77 271 P
baz=36,SNR=20

PMG Moresby 38.35 286 P
comp=Z,18nm,0.8s,baz=86,slow=13,SNR=5.4
PMG Moresby 38.35 286 P

STKA Stephens Creek 38.45 248 P
comp=Z,1.1m,19.8s,baz=150,slow=34
STKA Stephens Creek 38.45 248 P

STKA Stephens Creek 38.45 248 P
STKA Stephens Creek 38.45 248 P
STKA Stephens Creek 38.45 248 P
STKA Stephens Creek 38.45 248 P

STKA Stephens Creek 38.45 248 P
STKA Stephens Creek 38.45 248 P
STKA Stephens Creek 38.45 248 P
STKA Stephens Creek 38.45 248 P

HTT Hallett 40.74 246 P
baz=41,SNR=7.0
BBOO Buckleboe 43.14 247 P
baz=43,SNR=23

ASO1 Alice Springs 45.96 260 eP
ASAR Alice Springs 46.00 260 P
comp=Z,9.1nm,0.8s,baz=92,slow=8.5,SNR=68

ASAR Alice Springs 46.00 260 P
ASAR Alice Springs 46.00 260 P
ASAR Alice Springs 46.00 260 P
ASAR Alice Springs 46.00 260 P

WRB Warrungarra Arr 46.41 265 eP
comp=Z,2.1m,20.8s,baz=106,slow=34
WRB Warrungarra Arr 46.41 265 eP

WRAB Tennant Creek 46.42 265 deP
comp=Z,1.5nm,0.9s
WRAB Tennant Creek 46.42 265 deP

WRA Warrungarra Arr 46.42 265 P
comp=Z,4.1nm,0.3s,baz=103,slow=8.4,SNR=84
WRA Warrungarra Arr 46.42 265 P

WRA Warrungarra Arr 46.42 265 P
WRA Warrungarra Arr 46.42 265 P
WRA Warrungarra Arr 46.42 265 P
WRA Warrungarra Arr 46.42 265 P

KIP Kipapa 48.23 220 ceP
KIP Kipapa 48.23 220 ceP
KIP Kipapa 48.23 220 ceP
KIP Kipapa 48.23 220 ceP

FORF Forrest 50.07 249 P
baz=50,SNR=10
WARA Warakurna 50.76 256 P
baz=51,SNR=71

MTN Mantion Dam 51.48 272 P
baz=51,SNR=11
MTN Mantion Dam 51.48 272 eP

KNRA Knarua 52.72 268 P
baz=52,SNR=13
GUMO Guam 53.71 310 LR
comp=Z,325nm,21.2s,baz=132,slow=33

SBA Scott Base 54.61 185 eP
comp=Z,44nm,0.9s
SBA Scott Base 54.61 185 eP

SBA Scott Base 54.61 185 eP
SBA Scott Base 54.61 185 eP
SBA Scott Base 54.61 185 eP
SBA Scott Base 54.61 185 eP

VNDA Vanda 54.71 186 P
comp=Z,1.5nm,0.8s,baz=8.4,slow=7.7,SNR=51
VNDA Vanda 54.71 186 P

FITZ Fitzroy Crossi 54.84 264 P
baz=54,SNR=14
FITZ Fitzroy Crossi 54.84 264 P

FITZ Fitzroy Crossi 54.84 264 P
FITZ Fitzroy Crossi 54.84 264 P
FITZ Fitzroy Crossi 54.84 264 P
FITZ Fitzroy Crossi 54.84 264 P

SITJ Sitoung 56.04 286 LR
comp=Z,661nm,20.9s,baz=132,slow=34
SITJ Sitoung 56.04 286 LR

KLBR Kellerberrin 56.68 247 P
baz=59,SNR=11
NWAO NWAO (SRO) 58.88 245 P
comp=Z,5.4nm,0.7s,baz=323,slow=5.1,SNR=4.1

NWAO NWAO (SRO) 58.88 245 P
NWAO NWAO (SRO) 58.88 245 P
NWAO NWAO (SRO) 58.88 245 P
NWAO NWAO (SRO) 58.88 245 P

MEEK Mesekeera 58.95 252 P
baz=59,SNR=4.3
RPN Rapa Nui 59.25 108 LR
comp=Z,226nm,18.1s,baz=265,slow=32

BATI Baumata 59.26 272 LR
comp=Z,2.1m,21.6s,baz=142,slow=35
MBWA Marble Bar 59.33 259 eP
comp=Z,1.1nm,0.8s

BLDU Ballidu 59.75 247 P
baz=60,SNR=14
MUN Mundering 59.90 246 P
baz=60,SNR=4.7

MORW Morawa 60.64 249 P
baz=61,SNR=4.2
DAV Davao City (W) 65.12 291 LR
comp=Z,186nm,21.1s,baz=114,slow=33

QSPA South Pole Qui 66.14 180 P
comp=Z,20nm,0.9s,baz=36,slow=4.3,SNR=20
QSPA South Pole Qui 66.14 180 P

QSPA South Pole Qui 66.14 180 P
QSPA South Pole Qui 66.14 180 P
QSPA South Pole Qui 66.14 180 P
QSPA South Pole Qui 66.14 180 P

JHU Hachijo jima 2 70.91 321 LR
comp=Z,174nm,18.2s,baz=128,slow=37
TGJ Tagaytay City 72.61 295 LR
comp=Z,298nm,20.9s,baz=285,slow=34

JOW Kungami 74.07 310 LR
comp=Z,497nm,19.4s,baz=148,slow=34
MJAR Matsushiro Arr 74.79 323 P
comp=Z,1.0nm,0.5s,baz=158,slow=5.5,SNR=6.0

MJAR Matsushiro Arr 74.79 323 P
LEMB Lembang 75.21 269 LR
comp=Z,541nm,21.9s,baz=130,slow=35

JNU Nakatsue 76.30 316 P
comp=Z,10nm,1.1s,baz=180,slow=7.1,SNR=2.6
JNU Nakatsue 76.30 316 P

ASAJ Asahikawa 77.81 331 P
comp=Z,15nm,0.8s,baz=254,slow=6.4,SNR=10.0
SKR Severo-Kuril's 78.39 342 eP
baz=33,SNR=1.0

SKR Severo-Kuril's 78.39 342 eP
SKR Severo-Kuril's 78.39 342 eP
SKR Severo-Kuril's 78.39 342 eP



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KHC Kasperke Hory, GERES GERESS Array B, BZS Buzias, MOA Molin, SOKA Soboth, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BALP Baler, BALP Guinayangan, GOP Guinayangan, PCPH Palayan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SKNT Sakolnarka, H08S1 Diego Garcia H, SAIH SAHA, etc.

DDA 12 14:37:35.8, 37.14N, 38.64E, h5km, ML3.2
ISCJB 12 14:37:38.1, 1.37, 31N, 0.07, 38.56E, 0.04, h4km, 7km,
Error ellipse: s-maj=11.7km s-min=5.1km az=163.9

MEX 12 14:57:40.2, 0.3, 16.06N, 98.69W, h15km, 7km, MD3.7
Code Station Name Az AzZ Phase ID Time Res ISC
PNIG Pinotepa 0.64 58 eP Op P 14 57 50.8 -2.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WHN Wuhan, WHN Wuhan, WHT Wuhan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like URFA Urfa, URFA Urfa, URFA Urfa, MALT Malatya, etc.

JMA 12 14:56:7.0, 1.3575N, 140.93E, h12km, 1km, M3.6,
3C-10N, Near east coast of eastern Honshu
Code Station Name Az AzZ Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CHJO Chosi, CHJO Chosi, CHJO Nagara, etc.

IDC 12 14:49:07.1, 1.3, 5.84S, 128.79E, h298km, 20km, mb3.0/1,
s-maj=3.3/6, mb1mx2.9/62, mbtmp3.9/6, Error ellipse:
s-maj=30.7km s-min=13.7km az=100.0, Banda Sea

ISCJB 12 15:01:24.3, 0.3, 2.44N, 0.04, 89.83E, 0.04, h10km,
mb4.2/26, MS4.2/4, Error ellipse: s-maj=7.3km
s-min=4.2km az=34.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, ZALV Zalesovo Farm, etc.

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

IDC 12 15:01:24.5, 0.5, 2.41N, 89.75E, h0km, mb4.1/24,
IDC 12 15:01:24.5, 0.5, 2.41N, 89.75E, h0km, mb4.1/24,
Ms1 3.8/3, mb1mx3.5/63, Error ellipse: s-maj=18.2km
s-min=11.6km az=53.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BVAR Borovoye Array, AKTO Aktuybisk, etc.

MEX 12 14:54:54.6, 0.3, 23.94N, 110.01W, h6km, MD3.4
IDC 12 14:54:54.7, 0.3, 23.95N, 110.01W, h0km, mb3.8/1,
mb1 3.8/4, mb1mx3.5/56, mbtmp3.3/4, ML3.5/3, MS4.0/1,
Ms1 4.0/1, ms1mx2.7/52, 1C, Error ellipse:
s-maj=58.6km s-min=10.9km az=13.0, Baja California

NEIC 12 15:01:26.0, 0.3, 2.45N, 89.79E, h10km, mb4.2/4, Error
ellipse: s-maj=8.1km s-min=5.9km az=222.0
BUJ 12 15:01:43.0, 3.30N, 89.50E, h30km, mb4.6/12, mb4.7/7,
Ms4.2/5, Ms7 4.1/5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MLR Murteile Rosu, FINES FINESS Array, etc.

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

ISC 12 15:01:26.0, 0.5, 2.47N, 0.07, 89.84E, 0.05, h10km, m86,
i1877/77, mb4.3/27, MS4.2/4, 1C, North Indian Ocean
Code Station Name Az AzZ Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BSI Banda Aceh, MSLI Meulaboh, etc.

IDC 12 14:55:58.9, 1.3, 15.19N, 122.66E, h0km, mb3.6/4,
mb1 3.6/4, mb1mx3.2/71, mbtmp3.6/4, Error ellipse:
s-maj=31.6km s-min=21.6km az=67.0
ISCJB 12 14:56:00.7, 2.1, 15.26N, 0.05, 122.44E, 0.05, h8km, 14km,
mb3.4/4, Error ellipse: s-maj=10.9km s-min=5.6km
az=137.9

ISC 12 15:01:26.0, 0.5, 2.47N, 0.07, 89.84E, 0.05, h10km, m86,
i1877/77, mb4.3/27, MS4.2/4, 1C, North Indian Ocean
Code Station Name Az AzZ Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MNSI Mandailing Nat, SISI Saibi, etc.

MAN 12 14:56:01.2, 15.13N, 122.36E, h1km, mb4.5, ML3.3, MS3.1

ISC 12 15:01:26.0, 0.5, 2.47N, 0.07, 89.84E, 0.05, h10km, m86,
i1877/77, mb4.3/27, MS4.2/4, 1C, North Indian Ocean
Code Station Name Az AzZ Phase ID Time Res ISC

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

MAN 12 14:56:01.2, 15.13N, 122.36E, h1km, mb4.5, ML3.3, MS3.1

ISC 12 15:01:26.0, 0.5, 2.47N, 0.07, 89.84E, 0.05, h10km, m86,
i1877/77, mb4.3/27, MS4.2/4, 1C, North Indian Ocean
Code Station Name Az AzZ Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GUC Diego Garcia, etc.

MAN 12 14:56:01.2, 15.13N, 122.36E, h1km, mb4.5, ML3.3, MS3.1

ISC 12 15:01:26.0, 0.5, 2.47N, 0.07, 89.84E, 0.05, h10km, m86,
i1877/77, mb4.3/27, MS4.2/4, 1C, North Indian Ocean
Code Station Name Az AzZ Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PB08 IPOC Station P, etc.

MAN 12 14:56:01.2, 15.13N, 122.36E, h1km, mb4.5, ML3.3, MS3.1

ISC 12 15:01:26.0, 0.5, 2.47N, 0.07, 89.84E, 0.05, h10km, m86,
i1877/77, mb4.3/27, MS4.2/4, 1C, North Indian Ocean
Code Station Name Az AzZ Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PB02 IPOC Station P, etc.

MAN 12 14:56:01.2, 15.13N, 122.36E, h1km, mb4.5, ML3.3, MS3.1

ISC 12 15:01:26.0, 0.5, 2.47N, 0.07, 89.84E, 0.05, h10km, m86,
i1877/77, mb4.3/27, MS4.2/4, 1C, North Indian Ocean
Code Station Name Az AzZ Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PB07 IPOC Station P, etc.

MAN 12 14:56:01.2, 15.13N, 122.36E, h1km, mb4.5, ML3.3, MS3.1

ISC 12 15:01:26.0, 0.5, 2.47N, 0.07, 89.84E, 0.05, h10km, m86,
i1877/77, mb4.3/27, MS4.2/4, 1C, North Indian Ocean
Code Station Name Az AzZ Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PB12 IPOC Station P, etc.











URKR		iSg	Sn	18 00 42.0 -0.7	VLKR	eSn	Sg	18 01 17.9 -0.1
URKR	Urkarakh	0.98 46	Pb	18 00 28.0 +0.1	VLKR	ePn	Pb	18 00 48.0 +0.1
URKR		iS	Pb	18 00 42.0 -0.7	VLKR	eSn	Pb	18 01 17.9 -0.1
URKR		pmax	Pmax		LACR	iPn	Sg	18 00 48.0 -1.1
DGRG	David-gareji	0.99 269	P	18 00 27.5 -0.4	LACR	ePn	Sg	18 01 18.6 -1.6
DGRG		P	Sb	18 00 33.0 -7.5	LACR	eSn	Pb	18 01 18.6 -1.6
DGRG	David-gareji	0.99 269	P	18 00 27.5 -0.4	BGD	P	Pn	18 00 48.9 +1.5
DGRG		P	Sb	18 00 41.5 +0.4	BGD	P	Sb	18 01 19.3 -0.7
DGRG	David-gareji	0.99 269	iP/Pg	18 00 27.5 -0.4	BGD	P	Sb	18 01 48.9 +1.5
QBL	Gabala	1.02 121	iP/Pg	18 00 28.1 -0.4	BGD	P	Sb	18 01 19.3 -0.7
GDB	GEDABAY	1.04 223	P	18 00 28.1 -0.4	BGD	P	Sb	18 01 19.3 -0.7
GDB		SNR=393	Pg	18 00 28.1 -0.4	BGD	P	Sb	18 01 19.3 -0.7
GDB		iS	Sb	18 00 43.0 +0.4	BGD	P	Sb	18 01 19.3 -0.7
GDB	Khunzakh	1.06 1	iP/Pg	18 00 29.0 +0.2	BGD	P	Sb	18 01 19.3 -0.7
XNZR		eSg	Sb	18 00 43.6 +0.4	BGD	P	Sb	18 01 19.3 -0.7
XNZR	Khunzakh	1.06 11	iP/Pg	18 00 29.0 +0.2	BGD	P	Sb	18 01 19.3 -0.7
XNZR		eS	Sb	18 00 43.6 +0.4	BGD	P	Sb	18 01 19.3 -0.7
XNZR		iP	Pb	18 00 28.9 -0.5	BGD	P	Sb	18 01 19.3 -0.7
QZX	Qazax, Azerbai	1.08 247	iP	18 00 44.6 -0.4	BGD	P	Sb	18 01 19.3 -0.7
QZX		SNR=267	Sn	18 00 30.0 -0.1	BGD	P	Sb	18 01 19.3 -0.7
KSMR	Kasumkent	1.09 83	iP/Pg	18 00 46.0 +0.7	BGD	P	Sb	18 01 19.3 -0.7
KSMR		comp=Z,352nm,0.2s	Pn	18 00 46.0 +0.7	BGD	P	Sb	18 01 19.3 -0.7
KSMR		iSg	Pn	18 00 46.0 +0.7	BGD	P	Sb	18 01 19.3 -0.7
KSMR		iP/Pg	Pn	18 00 46.0 +0.7	BGD	P	Sb	18 01 19.3 -0.7
KSMR		iS	Pn	18 00 46.0 +0.7	BGD	P	Sb	18 01 19.3 -0.7
KSMR		pmax	Pmax		BGD	P	Sb	18 01 19.3 -0.7
XNQ	Khinaliq	1.14 105	Pg	18 00 30.4 -0.2	BGD	P	Sb	18 01 19.3 -0.7
XNQ		SNR=193	Pb	18 00 47.6 +0.9	BGD	P	Sb	18 01 19.3 -0.7
XNQ		iP/Pg	Pn	18 00 31.0 +0.2	BGD	P	Sb	18 01 19.3 -0.7
ARKR	Arakani	1.14 11	eP/Pg	18 00 47.6 +0.9	BGD	P	Sb	18 01 19.3 -0.7
ARKR		comp=Z,99nm,0.2s	Sn	18 00 31.0 +0.2	BGD	P	Sb	18 01 19.3 -0.7
ARKR		eSg	Sn	18 00 47.5 +0.9	BGD	P	Sb	18 01 19.3 -0.7
ARKR		eP/Pg	Sn	18 00 31.0 +0.2	BGD	P	Sb	18 01 19.3 -0.7
ARKR		eS	Sn	18 00 47.5 +0.9	BGD	P	Sb	18 01 19.3 -0.7
ARKR		pmax	Pmax		BGD	P	Sb	18 01 19.3 -0.7
QSAR	Qasar	1.18 88	iP/Pg	18 00 31.7 +0.3	BGD	P	Sb	18 01 19.3 -0.7
QSAR		SNR=36	Pn	18 00 32.5 +0.7	BGD	P	Sb	18 01 19.3 -0.7
SGKR	Sergokala	1.21 36	eP/Pg	18 00 32.5 +0.7	BGD	P	Sb	18 01 19.3 -0.7
SGKR		eSg	Pn	18 00 50.0 +1.7	BGD	P	Sb	18 01 19.3 -0.7
SGKR	Sergokala	1.21 36	eP/Pg	18 00 32.5 +0.7	BGD	P	Sb	18 01 19.3 -0.7
SGKR		eSg	Pn	18 00 50.0 +1.7	BGD	P	Sb	18 01 19.3 -0.7
BTLR	Botlikh	1.23 344	iP/Pg	18 00 32.0 0.0	BGD	P	Sb	18 01 19.3 -0.7
BTLR		iSg	Pn	18 00 48.8 0.0	BGD	P	Sb	18 01 19.3 -0.7
BTLR	Botlikh	1.23 344	iP/Pg	18 00 32.0 0.0	BGD	P	Sb	18 01 19.3 -0.7
BTLR		iS	Pn	18 00 48.8 0.0	BGD	P	Sb	18 01 19.3 -0.7
UNCR	Uncukul	1.23 4	iP/Pg	18 00 32.0 0.0	BGD	P	Sb	18 01 19.3 -0.7
UNCR		comp=Z,330nm,0.8s	Sn	18 00 49.5 +0.7	BGD	P	Sb	18 01 19.3 -0.7
UNCR		eSg	Pn	18 00 32.0 0.0	BGD	P	Sb	18 01 19.3 -0.7
UNCR		iP/Pg	Pn	18 00 49.5 +0.7	BGD	P	Sb	18 01 19.3 -0.7
UNCR		eS	Pn	18 00 32.0 0.0	BGD	P	Sb	18 01 19.3 -0.7
UNCR		pmax	Pmax		BGD	P	Sb	18 01 19.3 -0.7
BRDA	Brd	1.27 163	iP/Pg	18 00 33.6 +0.5	BGD	P	Sb	18 01 19.3 -0.7
BRDA		SNR=55	Pn	18 00 51.8 +2.1	BGD	P	Sb	18 01 19.3 -0.7
IML	Ismayilli	1.32 121	iP/Pg	18 00 33.6 -0.4	BGD	P	Sb	18 01 19.3 -0.7
IML		SNR=22	Sn	18 00 53.7 +2.7	BGD	P	Sb	18 01 19.3 -0.7
IML	Derbent	1.34 66	eP/Pg	18 00 34.4 0.0	BGD	P	Sb	18 01 19.3 -0.7
IML		eSg	Pn	18 00 53.0 +1.6	BGD	P	Sb	18 01 19.3 -0.7
IML	Derbent	1.34 66	eP/Pg	18 00 34.4 0.0	BGD	P	Sb	18 01 19.3 -0.7
IML		eSg	Pn	18 00 53.0 +1.6	BGD	P	Sb	18 01 19.3 -0.7
IML	Karanay	1.35 7	iP/Pg	18 00 34.0 -0.6	BGD	P	Sb	18 01 19.3 -0.7
IML		SNR=147nm,0.5s	Pg	18 00 54.0 +2.1	BGD	P	Sb	18 01 19.3 -0.7
IML		eSg	Pn	18 00 34.0 -0.6	BGD	P	Sb	18 01 19.3 -0.7
IML		iP/Pg	Pn	18 00 54.0 +2.1	BGD	P	Sb	18 01 19.3 -0.7
IML		eS	Pn	18 00 34.0 -0.6	BGD	P	Sb	18 01 19.3 -0.7
IML		pmax	Pmax		BGD	P	Sb	18 01 19.3 -0.7
IML	Quba, Azerbaij	1.36 95	iP/Pn	18 00 35.2 +0.4	BGD	P	Sb	18 01 19.3 -0.7
IML		SNR=25	Pn	18 00 55.1 +3.1	BGD	P	Sb	18 01 19.3 -0.7
IML	Buynask	1.38 13	eP/Pg	18 00 35.0 0.0	BGD	P	Sb	18 01 19.3 -0.7
IML		eSg	Pn	18 00 54.5 +2.2	BGD	P	Sb	18 01 19.3 -0.7
IML	Buynask	1.38 13	eP/Pg	18 00 35.0 0.0	BGD	P	Sb	18 01 19.3 -0.7
IML		eSg	Pn	18 00 54.5 +2.2	BGD	P	Sb	18 01 19.3 -0.7
IML	Zardab	1.42 148	iP/Pn	18 00 36.0 +1.3	BGD	P	Sb	18 01 19.3 -0.7
IML		SNR=28	Pn	18 00 55.6 +1.3	BGD	P	Sb	18 01 19.3 -0.7
IML	Botanikuri	1.43 279	iP/Pn	18 00 35.3 -0.2	BGD	P	Sb	18 01 19.3 -0.7
IML		SNR=36	Pb	18 00 55.0 +0.3	BGD	P	Sb	18 01 19.3 -0.7
IML	Botanikuri	1.43 279	iP/Pn	18 00 35.3 -0.2	BGD	P	Sb	18 01 19.3 -0.7
IML		SNR=36	Pb	18 00 55.0 +0.3	BGD	P	Sb	18 01 19.3 -0.7
IML	BTNK	1.43 279	iP/Pn	18 00 35.3 -0.2	BGD	P	Sb	18 01 19.3 -0.7
IML		SNR=36	Pb	18 00 55.0 +0.3	BGD	P	Sb	18 01 19.3 -0.7
IML	SEAG	1.44 282	iP/Pn	18 00 35.3 -0.3	BGD	P	Sb	18 01 19.3 -0.7
IML		SNR=36	Pb	18 00 56.4 +1.5	BGD	P	Sb	18 01 19.3 -0.7
IML	SEAG	1.44 282	iP/Pn	18 00 35.3 -0.3	BGD	P	Sb	18 01 19.3 -0.7
IML		SNR=36	Pb	18 00 56.4 +1.5	BGD	P	Sb	18 01 19.3 -0.7
IML	Delisi	1.48 280	iP/Pn	18 00 35.9 -0.5	BGD	P	Sb	18 01 19.3 -0.7
IML		SNR=36	Pb	18 00 57.6 +1.3	BGD	P	Sb	18 01 19.3 -0.7
IML	Delisi	1.48 280	iP/Pn	18 00 35.9 -0.5	BGD	P	Sb	18 01 19.3 -0.7
IML		SNR=36	Pb	18 00 57.6 +1.3	BGD	P	Sb	18 01 19.3 -0.7
IML	Delisi	1.48 280	iP/Pn	18 00 35.9 -0.5	BGD	P	Sb	18 01 19.3 -0.7
IML		SNR=36	Pb	18 00 57.6 +1.3	BGD	P	Sb	18 01 19.3 -0.7
IML	Vedeno	1.53 344	iP/Pg	18 00 37.6 -0.4	BGD	P	Sb	18 01 19.3 -0.7
IML		SNR=57.6	Pg	18 00 58.9 +1.1	BGD	P	Sb	18 01 19.3 -0.7
IML	Vedeno	1.53 344	iP/Pg	18 00 37.6 -0.4	BGD	P	Sb	18 01 19.3 -0.7
IML		SNR=57.6	Pg	18 00 58.9 +1.1	BGD	P	Sb	18 01 19.3 -0.7
IML	Dubki	1.54 4	iP/Pg	18 00 37.5 -0.7	BGD	P	Sb	18 01 19.3 -0.7
IML		SNR=90nm,0.5s	Sg	18 00 58.6 +0.5	BGD	P	Sb	18 01 19.3 -0.7
IML	Dubki	1.54 4	iP/Pg	18 00 37.5 -0.7	BGD	P	Sb	18 01 19.3 -0.7
IML		SNR=90nm,0.5s	Sg	18 00 58.6 +0.5	BGD	P	Sb	18 01 19.3 -0.7
IML		pmax	Pmax		BGD	P	Sb	18 01 19.3 -0.7
IML	Kudremir	1.58 134	iP/Pn	18 00 38.3 -0.7	BGD	P	Sb	18 01 19.3 -0.7
IML		SNR=2.8	Pg	18 01 00.3 +0.8	BGD	P	Sb	18 01 19.3 -0.7
IML	DLMR	1.59 358	eP/Pn	18 00 38.5 -0.5	BGD	P	Sb	18 01 19.3 -0.7
IML		comp=Z,73nm,0.3s	Sg	18 01 01.0 +1.4	BGD	P	Sb	18 01 19.3 -0.7
IML	DLMR	1.59 358	eP/Pn	18 00 38.5 -0.5	BGD	P	Sb	18 01 19.3 -0.7
IML		comp=Z,73nm,0.3s	Sg	18 01 01.0 +1.4	BGD	P	Sb	18 01 19.3 -0.7
IML	DLMR	1.59 358	eP/Pn	18 00 38.5 -0.5	BGD	P	Sb	18 01 19.3 -0.7
IML		comp=Z,73nm,0.3s	Sg	18 01 01.0 +1.4	BGD	P	Sb	18 01 19.3 -0.7
IML	DLMR	1.59 358	eP/Pn	18 00 38.5 -0.5	BGD	P	Sb	18 01 19.3 -0.7
IML		comp=Z,73nm,0.3s	Sg	18 01 01.0 +1.4	BGD	P	Sb	18 01 19.3 -0.7
IML	DLMR	1.59 358	eP/Pn	18 00 38.5 -0.5	BGD	P	Sb	18 01 19.3 -0.7
IML		comp=Z,73nm,0.3s	Sg	18 01 01.0 +1.4	BGD	P	Sb	18 01 19.3 -0.7
IML	DLMR	1.59 358	eP/Pn	18 00 38.5 -0.5	BGD	P	Sb	18 01 19.3 -0.7
IML		comp=Z,73nm,0.3s	Sg	18 01 01.0 +1.4	BGD	P	Sb	18 01 19.3 -0.7
IML	DLMR	1.59 358	eP/Pn	18 00 38.5 -0.5	BGD	P	Sb	18 01 19.3 -0.7
IML		comp=Z,73nm,0.3s	Sg	18 01 01.0 +1.4	BGD	P	Sb	18 01 19.3 -0.7
IML	DLMR	1.59 358	eP/Pn	18 00 38.5 -0.5	BGD	P	Sb	18 01 19.3 -0.7
IML		comp=Z,73nm,0.3s	Sg	18 01 01.0 +1.4	BGD	P	Sb	18 01 19.3 -0.7
IML	DLMR	1.59 358	eP/Pn	18 00 38.5 -0.5	BGD	P	Sb	18 01 19.3 -0.7
IML		comp=Z,73nm,0.3s	Sg	18 01 01.0 +1.4	BGD	P	Sb	18 01 19.3 -0.7
IML	DLMR	1.59 358	eP/Pn	18 00 38.5 -0.5	BGD	P	Sb	18 01 19.3 -0.7
IML		comp=Z,73nm,0.3s	Sg	18 01 01.0 +1.4	BGD	P	Sb	18 01 19.3 -0.7
IML	DLMR	1.59 358	eP/Pn	18 00 38.5 -0.5	BGD	P	Sb	18 01 19.3 -0.7
IML		comp=Z,73nm,0.3s	Sg	18 01 01.0 +1.4	BGD	P	Sb	18 01 19.3 -0.7
IML	DLMR	1.59 358	eP/Pn	18 00 38.5 -0.5	BGD	P	Sb	18 01 19.3 -0.7
IML		comp=Z,73nm,0.3s	Sg	18 01 01.0 +1.4	BGD	P	Sb	18 01 19.3 -0.7
IML	DLMR	1.59 358	eP/Pn	18 00 38.5 -0.5	BGD	P	Sb	18 01 19.3 -0.7
IML		comp=Z,73nm,0.3s	Sg	18 01 01.0 +1.4	BGD	P	Sb	18 01 19.3 -0.7
IML	DLMR	1.59 358	eP/Pn	18 00 38.5 -0.5	BGD	P	Sb	18 01 19.3 -0.7
IML		comp=Z,73nm,0.3s	Sg	18 01 01.0 +1.4	BGD	P	Sb	18 01 19.3 -0.7
IML	DLMR	1.59 358	eP/Pn	18 00 38.5 -0.5	BGD	P	Sb	18 01 19.3 -0.7
IML		comp=Z,73nm,0.3s	Sg	18 01 01.0 +1.4	BGD	P	Sb	18 01 19.3 -0.7
IML	DLMR	1.59 358	eP/Pn	18 00 38.5 -0.5	BGD	P	Sb	18 01 19.3 -0.7
IML		comp=Z,73nm,0.3s	Sg	18 01 01.0 +1.4	BGD	P	Sb	18 01 19.3 -0.7
IML	DLMR	1.59 358	eP/Pn	18 00 38.5 -0.5	BGD	P	Sb	18 01 19.3 -0.7
IML		comp=Z,73nm,0.3s	Sg	18 01 01.0 +1.4	BGD	P	Sb	18 01 19.3 -0.7
IML	DLMR	1.59 358	eP/Pn	18 00 38.5 -0.5	BGD	P	Sb	18 01 19.3 -0.7
IML		comp=Z,73nm,0.3s	Sg	18 01 01.0 +1.4				

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

CSEM 12 18:42:12.2, 47.83N, 3.00E, h8km, MLO.7 STR 12 18:42:12.2, 0.6, 48N, 1.4, h0km, MLV0.76, Switzerland

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

DDA 12 18:58:55.0, 34.27N, 32.58E, h29km, M13.4 CSEM 12 18:58:57.0, 3.34, 41N, 32.76E, h5km, ML3.6, Error ellipse: s-maj=5.7km s-min=5.5km az=74.0

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

ISC 12 18:58:57.0, 3.34, 43N, 32.78E, h14km, ML3.6/11 NIC 12 18:58:58.0, 1.1, 34.49N, 32.88E, h5km, ML3.6 GII 12 18:58:59.0, 1.2, 34.50N, 32.92E, h10km ISC 12 18:58:59.0, 1.2, 34.47N, 0.03, 32.84E, h0km, g9km, n78, e094/105, Cyprus region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Souni, Paphos, Mathiatis, Lefka, Alefka, etc.

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

MEX 12 19:11:11.2, 0.3, 14.29N, 93.24W, h81km, 21km, MD3.8, Near coast of Chiapas

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

BYKL 12 19:16:35.7, 0.5, 56.09N, 112.16E, h22km, 7km, 2C-1D, Lake Baykal region

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

IDC 12 19:17:33.3, 0.8, 56.12N, 112.23E, h0km, mb3.6/13, mb1 3.8/15, mb1mx3.5/79, mb1mp3.6/15, ML3.1/2, MS2.8/9, Ms1 2.8/9, ms1mx2.6/72, Error ellipse: s-maj=16.3km s-min=15.7km az=136.0

MOS 12 19:17:34.1, 2.1, 56.22N, 112.15E, h13km, mb4.1/7, Error ellipse: s-maj=11.1km s-min=7.0km az=74.3

BYKL 12 19:17:35.6, 0.2, 56.07N, 112.15E, ISC 12 19:17:34.0, 1.1, 56.20N, 0.02, 112.19E, 0.02, h3km, 8km, n78, e273/115, mb3.7/11, MS2.9/6, 3C-3D, Lake Baykal region

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

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





Table with columns: STKA, Stephens Creek, 28.94 170 P, P, 20 45 32.0 +3.3, etc. Includes various station names and coordinates.

Table with columns: KURK Kurchatov, 72.63 326 eP, P, 20 50 56.1 -0.4, etc. Includes station names and coordinates.

Table with columns: SOIA Sokhos, 0.84 325 P, P, 20 46 25.5 -1.0, etc. Includes station names and coordinates.



Table with columns: KZN, comp=N, AML, AML, 20 47 08.5, etc. Lists astronomical observations for various stars like KZAN, KZAN, KZAN, etc.

Table with columns: KRND, KRANIDI, 2.83 194 P, Pn, 20 46 55.8 -0.7, etc. Lists astronomical observations for various stars like KRND, KRANIDI, GONE, etc.

Table with columns: comp=N, 4.4nm, 18.5s, baz=150, slow=42, etc. Lists astronomical observations for various stars like ABTA, ABTA, ABTA, etc.







12d 22h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KVAR, MMAI, LSZ, BRTR, BOSA, MAW, TIRR, etc.

TAP 12:22:21:38.9, 23:190N:122:68E, h78km, 1km, ML2.6, D
ISCJB 12:22:21:39.8-0.7, 23:288N-0.03:122:54E-0.2, h5km, 5km,
Error ellipse: s-maj=4.8km s-min=2.4km az=165.4

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

2012 MAY

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

MAN 12:22:23:36.0, 9:95N:123:19E, h43km, mb4.1, ML2.9, MS2.6, ID, Negros

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

SOME 12:22:38:20.5, 42:87N:80:55E, h15km
KRNET 12:22:38:21.4-0.1, 42:77N:80:37E, h21km, mb2.5
ISC 12:22:38:21.6-2.4, 42:309N-0.06:80:39E-0.08, h1km, 12km, n27, r19:50:52, 4C-20, Kyrgyzstan-Xinjiaing border region

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

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

ISCJB 12:22:42:37.0-0.4, 2:97S:0:06:139:46E-0:04, h100km, mb3.8/9, Error ellipse: s-maj=8.9km s-min=5.7km az=160.7

DJA 12:22:42:37.1-0.7, 3'S:6'14'0E, h93km, 10km, M4.6/6, mb4.6/6, mb4.9/3, MLV4.7/6, Mw(mB)4.0/4, ID 12:22:42:39.9-2.5, 3:18S:139:26E, h104km, 23km, mb3.6/9, mb1.3/9/13, mb1mx3.6/49, mbtmp4.1/13, MS3.0/8, Ms1.3/0.8, ms1mx2.7/52, Error ellipse: s-maj=24.1km s-min=11.4km az=86.0

ISC 12:22:42:37.8-0.7, 3:01S:0:08:139:46E-0:06, h100km, n27, r25:10:26, mb3.8/9, Irian Jaya

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

IDC 12:22:48:10.7-0.8, 40:53N:22:84E, h0km, mb3.5/9, mb1.3/7.18, mb1mx3.5/72, mbtmp3.5/18, ML3.5/8, MS2.9/5, Ms1.2/9.5, ms1mx2.6/49, Error ellipse: s-maj=11.4km s-min=10.2km az=1.0

ATH 12:22:48:11.9, 40:57N:22:85E, h25km, ML4.1/14, Error ellipse: s-maj=1.0km s-min=0.6km az=5.0

NEIC 12:22:48:11.9-0.0, 40:57N:22:85E, h25km, mb4.1/4, ML4.0(O)7E, ML4.1(ATI), After ATI

CSEM 12:22:48:12.5-0.1, 40:55N:22:87E, h5km, ML4.1, Error ellipse: s-maj=1.6km s-min=1.4km az=46.0

SOF 12:22:48:12.9, 40:67N:22:91E, h2km, MD3.7 THE 12:22:48:12.8, 40:56N:22:84E, h7km, ML3.9/20, Error ellipse: s-maj=0.7km s-min=0.3km az=37.0

PDG 12:22:48:12.5-0.5, 40:56N:22:86E, h14km, ML3.7/11, Error ellipse: s-maj=0.3km s-min=0.4km az=0.0

TIR 12:22:48:12.2, 40:59N:22:88E, h21km, Md3.8/5 ISCJB 12:22:48:12.1-0.3, 40:58N-0.01:22:87E-0.01, h11km, 2km, mb4.0/10, MS3.0/1, Error ellipse: s-maj=1.8km s-min=1.6km az=41.3

DDA 12:22:48:28.9, 40:39N:23:82E, h68km, M3.5 ISC 12:22:48:13.0-0.7, 40:57N-0.01:22:85E-0.01, h13km, 4km, n484, r126/619, mb3.8/10, 30C-23D, Greece

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





Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like DURS Dursunbey, BUCI Bucharest, STON Ston, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like AKASG Malin Array Be, PRU Puhonice, NKC Noy Kostel, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like KURBB 119nm,0.6s, KURKB 374nm,0.8s, KURK Kurchatov, etc.

Table with columns: Station Name, Code, Station Name, Δ, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GUYANG, WUHAN, CHIANG MAI ARR, YAKUTSK, etc.

NNC 12 23:28:26.9, 3.37, 46N, 69.45E, h0km, mb6.8, mpv6.7, Error ellipse: s-min=1.8, s-max=1.8, km a=17.0
ISCJTB 12 23:28:41.5, 0.5, 38.57N, 01:01:70.35E, 0.01, h8km, 3km, mb5.8/35.3, MS5.7/21.8, Error ellipse: s-maj=2.4km s-min=1.6km az=14.7
IDC 12 23:28:41.7, 0.3, 38.58N, 70:44E, h0km, mb5.5/6.5, mb1.5/6.6, mb1mx5.5/7.8, mbtmp5.5/6.5, ML4.6/8, MS5.5/6.6, Ms1.5/5.6, ms1mx5.5/7.4, Error ellipse: s-maj=0.7km s-min=0.6, 1km az=167.0
NEIC 12 23:28:43.6, 0.1, 38.61N, 70:35E, h10km, mb6.0/194, MS5.7/110, MW5.6, MW5.6, MW5.9, MW5.7, Error ellipse: s-maj=3.3km s-min=2.2km az=184.0, Moment Tensor Solution. s5 Moment tensor: Scale 10^17Nm; Mr1:37; Ms0:0.56; Mw0:0.81; Mw0:0.01; Mw0:1.67; Mw0:2.41; Best double couple: Ms3.20000\*10^17 NP1.376.000000; s33.00000; s152.00000; NP2.319.000000; s75.00000; s160.00000. Principal axes: T 3.1700, P1651.0000, Azm66.0000; N 0.0000, Plg29.0000; Azm198.0000; P -3.1700, Plg24.0000; Azm303.0000; Moment Tensor Solution. s93 Moment tensor: Scale 10^17Nm; Mr0:77; Ms0:1.06; Mw0:3.03; Mw0:0.14; Mw0:1.85; Mw0:2.81; Best double couple: Ms3.50000\*10^17 NP1.376.000000; s82.00000; s155.00000; NP2.319.000000; s36.00000; s167.00000. Principal axes: T 3.6800, Plg42.0000, Azm70.0000; N -0.3400, Plg35.0000; Azm199.0000; P -3.3200, Plg28.0000; Azm311.0000
NEIC At least one person killed, many buildings destroyed and some livestock killed in the epicentral area. Felt [III] at Dushanbe. Also felt [III] at Tashkent, Uzbekistan.
SOME 12 23:28:43.3, 39:03N, 70:42E, h5km, MS5.6
GCMT 12 23:28:43.6, 0.1, 38.69N, 70:21E, h22km, MW5.7/134, Moment Tensor Solution. s121, c230; s134, c360; Duration: 1s7 Moment tensor: Scale 10^17Nm; Mr0:2.68; Ms0:0.41; Mw0:0.26; Mw0:2.26; Mw0:2.06; Mw0:2.28; Mw0:2.96; Mw0:2.96; Best double couple: Ms4.49700\*10^17 NP1.376.000000; s69.000000; s63.000000; NP2.319.000000; s34.000000; s139.000000. Principal axes: T 4.3970, Plg58.0000; Azm60.0000; N 0.2070, Plg25.0000; Azm198.0000; P -4.5970, Plg19.0000; Azm298.0000; n1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
NEIC 12 23:28:43.0, 0.3, 38.68N, 70:29E, h19km, Moment Tensor Solution. s26 Moment tensor: Scale 10^17Nm; Mr0:3.09; Ms0:1.15; Mw0:1.94; Mw0:0.07; Mw0:1.48; Mw0:3.08; Best double couple: Ms4.40000\*10^17 NP1.376.000000,

Table with columns: Code, Station Name, Δ, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SUFI-KURGAN, TASHKENT, CHIMKENT, KARATAY ARR, etc.

Table with columns: Code, Station Name, Δ, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ALIBECK, OTLUK, DEHRA DUN, NEW DELHI, MAKZ, etc.





Table with columns for station name, frequency, power, and other technical details. Includes stations like SRS Serrai, VTS Vitosa, UZH Uzhgorod, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like OJC Ojcow, ANKY Antikythira Is, GUR Gura, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ARCES ARCESS Array B, ARCES ARCESS Array B, ARO ARO, etc.

SNY	comp=Z,28µm,13.1s	LR	LR		
SNY	comp=Z,36µm,12.7s	LR	LR		
KIF	Klipisjarvi	40.25 335	eP	P	23 36 20.0 +0.1
ARSA	Arzberg	40.32 301	eP	P	23 36 21.3 +0.5
ARSA			eP	PP	23 37 55.3 +1.8
MCO	Taipa Grande	40.34 101	eP	P	23 36 22.0 +0.8
GOLS	Golise	40.44 299	iP	P	23 36 22.6 +0.7
GOPC	GO Pecny, Ondr	40.48 305	eP	P	23 36 23.0 +0.9
GOPC			eP	sP	23 36 28.0 +0.2
GOPC			eS	S	23 36 30.1
GOPC	comp=Z,7µm,12.7s	AMS	AMS		23 42 29.8 -0.6
GOPC			eP	P	23 36 23.0 +0.9
GOPC			eS	S	23 36 30.1
GOPC			eS	MLR	23 42 29.8 -0.6
TRIT	Trang	40.48 132	P	P	23 36 21.4 -1.0
UDBI	Udbina	40.62 296	eP	P	23 36 23.3 0.0
PRU	Pruhonic	40.63 305	eP	P	23 36 23.0 +0.3
PRU			eS	S	23 42 30.7 -1.8
PRU			eS	MLR	
PERS	Pernice	40.69 300	iP	P	23 36 24.5 +0.6
PERS			eS	S	23 38 29.1
PERS			eS	S	23 42 33.9 +0.2
PRA	Prague	40.69 305	eP	P	23 36 25.1 +1.3
PRA			e	S	23 36 29.6
PRA			e	S	23 37 59.2
PRA			eS	MLR	23 42 33.3 -0.1
HKC	Hong Kong Obse	40.71 101	iP	P	23 36 25.0 +0.7
SOKA	Soboth	40.74 300	eP	P	23 36 25.0 +0.7
SOKA			eP	P	23 36 25.0 +0.7
SOKA			iP	Pn	23 38 05.8 +3.6
MATE	Matera	40.83 290	iP	P	23 36 24.6 -0.5
AAE	Adis Abeba	40.92 232	iP	P	23 36 26.9 +0.5
AAE			iS	S	23 42 44.6 +6.5
AAE	Adis Abeba	40.92 232	iP	P	23 36 28.4 +2.0
AAE			iS	S	23 42 40.4 +2.3
AAE	Adis Abeba	40.92 232	iP	P	23 36 26.9 +0.5
AAE			iS	S	23 42 44.6 +6.5
BRG	Berggiesshubel	40.92 306	iP	P	23 36 26.5 +0.8
BRG	comp=Z,129nm,1.3s		i		23 36 41.2
BRG	comp=Z,286nm,1.2s		i		23 36 50.5
BRG	comp=Z,143nm,1.0s		i		23 36 50.5
BRG	comp=Z,40nm,1.4s		e	PP	23 37 55.0 -4.9
BRG			e	PP	23 42 18.9
BRG			SS	SS	23 42 29.0 -7.9
BRG			SS	SS	23 45 24.0 -1.4
BRG	Berggiesshubel	40.92 306	iP	P	23 36 26.5 +0.8
BRG			i	S	23 42 29.0 -7.9
BRG			s	pm	
BRG	comp=Z,129nm,1.3s		s	pm	
BRG	comp=Z,286nm,1.2s		pm	pm	
BRG	comp=Z,143nm,1.0s		pm	pm	
BRG	comp=Z,40nm,1.4s		MLR	MLR	
BRG	comp=N,8µm,15.3s		MLR	MLR	
BRG	comp=E,11µm,20.3s		MLR	MLR	
ZEA	Zeya	41.01 490	eP	P	23 36 27.2 +0.8
ZEA			e	P	23 38 03.0
ZEA			e	P	23 42 36.0
ZEA			e	pm	
ZEA	comp=N,200nm,1.4s		pm	pm	
ZEA	comp=E,300nm,1.4s		pm	pm	
ZEA	comp=Z,530nm,1.4s		pm	pm	
ZEA	comp=E,700nm,9.0s		pm	pm	
ZEA	comp=Z,2µm,9.0s		pm	pm	
ZEA	comp=E,800nm,9.0s		pm	pm	
ZEA	comp=Z,1µm,9.0s		MLR	MLR	
ZEA	comp=Z,14µm,13.0s		MLR	MLR	
ZEA	comp=E,10µm,14.0s		MLR	MLR	
ZEA	comp=N,6µm,11.0s		MLR	MLR	
MOA	Molin	41.07 302	eP	P	23 36 27.4 +0.4
MOA			eP	PP	23 38 02.1 +0.4
MOA	Furi	41.08 232	eP	P	23 36 32.5 +4.8
HFS	Hagfors	41.08 320	P	P	23 36 26.9 +0.1
HFS	comp=N,56nm,0.6s,baz=91,slow=9.2,SNR=173		LR	LR	23 56 42.0
RGN	Rugen	41.09 312	eP	P	23 36 28.4 +1.4
LHMI	Lhok Sumawe	41.09 137	eP	P	23 36 27.2 -0.2
CN2	Changchun	41.09 65	eP	P	23 36 26.9 -0.3
CN2			PP	Pn	23 38 04.8 -1.5
CN2			eS	S	23 42 35.2 -4.4
CN2			SS	SS	23 45 36.9 -5.0
CN2	comp=N,30nm,1.0s		pm	pm	
CN2	comp=N,1µm,3.0s		LR	LR	
CN2	comp=N,10µm,19.0s		LR	LR	
CN2	comp=N,12µm,19.0s		LR	LR	
OBKA	Obir	41.09 300	eP	P	23 36 28.2 +0.9
OBKA	SNR=25		iP	PP	23 38 05.6 +3.6
TRO	Tromso	41.10 335	eP	PP	23 36 26.9 0.0
TIP	Timpagrande	41.20 288	iP	P	23 36 27.8 -0.5
TIP	Timpagrande	41.20 288	iP	P	23 36 28.3 +0.1
TIP	comp=N,222nm,1.5s		eP	P	23 36 27.2 -1.1
NVLJ	Novjalja	41.23 297	P	P	23 36 26.6 -1.7
GEC2	GERRS Array S	41.30 303	eP	P	23 36 29.9 +0.9
GEC2	comp=N,411nm,1.8s		eP	P	23 36 29.9 +0.9
GEC2	comp=Z,411nm,1.8s		eP	pm	
GERES	GERRS Array B	41.30 303	P	P	23 36 29.5 +0.4
GERES	comp=Z,6.7nm,0.5s,baz=90,slow=7.2,SNR=61		LR	LR	23 55 24.6
GEAO	GERRS Array S	41.31 303	eP	P	23 36 28.9 -0.1
KHC	Kasperske Hory	41.35 304	eP	P	23 36 29.4 +0.1
KHC			eP	sP	23 36 29.4 +0.1
KHC			eP	sP	23 36 44.0
KHC			eP	PP	23 38 05.9 +1.3
KHC			eS	S	23 42 43.8 +0.4
KHC			eS	AMS	23 57 00.0
KHC	comp=Z,14µm,14.3s		eP	P	23 36 29.4 +0.5
KHC	Kasperske Hory	41.35 304	eP	P	23 36 29.4 +0.1
KHC			e	P	23 36 34.9
KHC			e	P	23 36 44.0
KHC			eS	S	23 42 43.8 +0.4
KHC			eS	MLR	
CLL	Collim	41.47 307	iP	P	23 36 30.4 +0.2
CLL	comp=Z,106nm,1.2s		i	P	23 36 34.9
CLL	comp=Z,224nm,1.2s		i		23 36 45.0

CLL	comp=Z,12µm,19.7s	41.47 307	eP	P	23 36 30.5 +0.2
CLL	comp=Z,171nm,1.1s	41.47 307	iP	P	23 36 30.4 +0.2
CLL			eS	S	23 36 45.0
CLL			eS	pm	23 42 40.0 -5.1
CLL	comp=Z,224nm,1.2s		smax	smax	
JAVS	Javornik	41.53 299	eP	P	23 36 31.2 +0.3
JAVS			i	P	23 36 35.9
SKLT	Songkhla	41.56 131	P	P	23 36 31.0 -0.3
COP	Copenhagen	41.58 314	iP	P	23 36 33.3 +2.3
COP	comp=Z,946nm,1.2s		i	P	23 38 06.6
COP	Meulaboh, Aceh	41.62 139	P	P	23 36 29.9 -1.9
CUC	Castrocuco	41.67 290	eP	P	23 36 32.2 +0.2
CUC	comp=Z,148nm,0.9s		eP	P	23 36 32.6 +0.5
MYKA	Moyka	41.69 300	eP	P	23 36 32.6 +0.5
MYKA			P	PP	23 38 11.5 +3.1
MORR	Moi Rana	41.70 330	eP	P	23 36 31.4 -0.6
LLD	Lilje Lind	41.71 313	iP	P	23 36 32.3 +0.2
LLD	comp=Z,920nm,1.4s		i	P	23 38 10.8
KBA	Koelnbreinsper	41.81 301	eP	P	23 36 33.7 +0.4
KBA	SNR=25		P	PP	23 38 12.8 +3.0
SSE	Sheshan	41.92 84	P	PP	23 36 34.8 +0.7
SSE			sP	sP	23 36 39.4 -0.4
SSE			PP	Pn	23 38 15.8 -0.3
SSE			S	S	23 42 52.0 -0.1
SSE	comp=Z,110nm,0.9s		pm	pm	
SSE	comp=Z,940nm,3.5s		pm	pm	
SSE			LR	LR	
SSE	comp=Z,6µm,14.9s	41.94 305	eP	P	23 36 35.3 +1.2
NKC	Novy Kostel	41.94 305	eP	P	23 36 39.7 -0.1
NKC			eP	PP	23 38 12.2 +1.2
NKC			AMS	AMS	23 57 10.0
NKC	comp=Z,14µm,15.5s	41.94 305	eP	P	23 36 35.3 +1.2
NKC			e	P	23 36 39.7
NKC			e	P	23 38 12.2
NKC			e	MLR	
CEL	Celeste	42.12 287	eP	P	23 36 36.6 +0.8
CEL	comp=Z,14µm,15.5s		eP	P	23 36 34.5 -1.1
NC405	NORSAR Array S	42.13 322	eP	P	23 36 35.5 -0.5
NC602	NORSAR Array S	42.19 321	eP	P	23 36 35.5 -0.5
NC602	NORSAR Array S	42.19 321	eP	P	23 36 35.5 -0.5
KONS	Konsvik	42.29 330	eP	P	23 36 37.2 +0.5
NC303	NORSAR Array S	42.31 322	eP	P	23 36 37.4 +0.4
NB201	NORSAR Array S	42.33 322	eP	P	23 36 36.0 -1.2
NB2	NORSAR Subarra	42.37 322	P	P	23 36 37.0 -0.5
NB2	comp=Z,224nm,1.1s,baz=94,slow=8.6		P	P	23 36 37.0 -0.5
NOA	NORSAR Array B	42.37 322	P	P	23 36 37.0 -0.5
NOA	comp=Z,130nm,1.0s,baz=94,slow=8.0,SNR=109		LR	LR	23 55 03.6
NOA	comp=Z,13µm,18.8s,baz=90,slow=37		P	P	23 36 37.5 -0.2
NSS	Namsos	42.41 327	eP	P	23 36 37.5 -0.2
ABTA	Abfattersbach	42.43 300	P	P	23 36 37.5 -0.7
ABTA			eP	PP	23 38 23.3 +6.8
LOF	Lofoten	42.50 332	eP	PP	23 36 38.5 +1.1
NA011	NORSAR Array S	42.52 321	eP	P	23 36 38.5 -0.1
YAK	Yakutsk	42.52 37	eP	P	23 36 38.1 -0.6
YAK	comp=Z,1µm,0.7s		LR	LR	
YAK	comp=Z,1µm,20.0s		LR	LR	
YAK	Yakutsk	42.52 37	eP	P	23 36 38.4 -0.2
YAK			eP	sP	23 36 45.8 +1.5
YAK			e	S	23 38 15.0
YAK			eS	S	23 38 29.0
YAK			eS	S	23 42 57.3 -3.0
YAK			eS	SS	23 43 15.2 +8.2
YAK			eS	SS	23 46 03.6 -5.9
YAK			e	pm	23 46 35.5
YAK	comp=Z,688nm,0.9s		pm	pm	
YAK	comp=N,41nm,0.9s		pm	pm	
YAK	comp=E,380nm,1.1s		pm	pm	
YAK	comp=Z,125nm,0.8s		pm	pm	
YAK	comp=N,29nm,0.8s		pm	pm	
YAK	comp=E,13nm,0.8s		sm	sm	
YAK	comp=N,1µm,2.2s		sm	sm	
YAK	comp=E,408nm,2.0s		MLR	MLR	
YAK	comp=Z,9µm,14.0s		MLR	MLR	
YAK	comp=N,7µm,16.0s		MLR	MLR	
YAK	comp=E,5µm,14.0s		MLR	MLR	
NB002	NORSAR Array S	42.55 322	eP	P	23 36 38.5 -0.5
OSL	Oslo	42.55 320	eP	P	23 36 39.2 +0.3
NB000	NORSAR Array S	42.56 322	eP	P	23 36 39.0 -0.3
NC200	NORSAR Array S	42.61 322	eP	P	23 36 39.3 -0.1
OZH	Quanzhou	42.74 94	iP	PP	23 36 41.2 +0.3
OZH			PP	PP	23 38 24.4 +4.4
OZH			S	S	23 43 11.5 +7.2
OZH	comp=E,74nm,1.1s		pm	pm	
OZH	comp=E,1µm,10.5s		pm	pm	
OZH	comp=E,13µm,16.6s		LR	LR	
OZH	comp=E,15µm,15.2s		LR	LR	
OZH	comp=E,24µm,15.2s		LR	LR	
AQU	L'Aquila	42.79 294	eP	P	23 36 42.0 +0.9
AQU	comp=E,152nm,1.0s		eP	P	23 36 42.1 +0.9
AQU	L'Aquila	42.79 294	eP	P	23 36 42.1 +0.9
AQU	Kulim	42.80 305	eP	P	23 36 42.1 +1.1
GRFO	Grafenberg	42.80 305	eP	P	23 36 42.2 +1.1
GRFO	comp=Z,447nm,1.4s		pm	pm	
TPTI	Wattenberg	42.88 139	P	P	23 36 40.7 -1.3
WTTA	Wattenberg	42.93 301	P	P	23 36 42.2 -0.2
WTTA	SNR=20		iP	PP	23 38 24.2 +2.3
WATA	Walderalm	42.95 301	iP	PP	23 36 42.0 -0.5
WATA	SNR=21		eP	PP	23 38 25.3 +3.3
KCSI	Kotacane, Aceh	42.96 138	P	P	23 36 40.1 -2.7
TBLU	Trondeheim	43.01 325	eP	P	23 36 41.3 -1.3
BJO	Bjornoya	43.02 342	eP	P	23 36 42.9 +0.4
KULM	Kulim	43.09 133	eP	P	23 36 43.1 -0.7
KONO	Kongsberg	43.11 320	eP	P	23 36 43.4 0.0
KONO	comp=Z,206nm,1.5s		P	P	23 36 43.4 0.0
KONO	comp=Z,147nm,1.0s		eP	P	23 36 43.3 -0.2
KONO	Kongsberg	43.11 320	eP	P	23 36 43.3 -0.2



12d 23h

Table with columns: Station, Frequency, Power, Direction, and other details. Includes stations like KBS, KINGSBAY, VSL, BNI, etc.

2012 MAY

Table with columns: Station, Frequency, Power, Direction, and other details. Includes stations like KESW, SWN1, MDO, etc.

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Table with columns: Station, Frequency, Power, Direction, and other details. Includes stations like SCO, ODJA, VAL, etc.



12d 23h

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Table with columns: CTAO, Description, Frequency, Power, and other parameters. Includes entries like Charters Tower, Isle Royale Na, Bancroft, etc.

Table with columns: E03A, Description, Frequency, Power, and other parameters. Includes entries like Lebam, Tyneside, Mountain, etc.

Table with columns: I35A, Description, Frequency, Power, and other parameters. Includes entries like Creekvew Farm, McKenzie Canyon, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like PDAR, HDIL, K22A, M37A, YBH, N40A, M04C, N41A, MOD, O39A, M02C, P46A, O42A, P45A, N37A, O41A, BLA, N02D, O47A, P44A, O39A, P43A, O40A, HWUT, P42A, P41A, O38A, O37A, OGNB, OGNB, Q44A, R47A, P40A, Q43A, O03D, P39B, P38A, N23A, CNNC, Q42A, R46A, P37A, Q41A, BMN, BMN, BMN, S40A, R44A, Q39A, R43A, Q38A, JOHN, DUG, DUG, DUG, R42A, O20A, Q07A, R41A, S45A, T48A, KSU1, CCM, CCM, ISCO, ISCO, ISCO.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ISCO, R39A, T47A, S42A, T46A, R38A, U48A, S41A, CBKS, CBKS, T44A, KSCO, S40A, T43A, S39A, Q24A, S38A, T42A, NVAR, NVAR, NVAR, WVT, T40A, R11A, T39A, T38A, NHSC, W47A, U40A, U39A, SDCO, SDCO, SDCO, S22A, S20A, V40A, MVCO, MIAR, MIAR, MAW, MAW, WUAZ, WUAZ, WMOK, WMOK, BRAL, BRAL, POHA, POHA, PFO, PFO, DZM, ANWB, ANWB, NATX, NATX, TUC, TUC, SYO, MNTX, MNTX, GRTK, GRTK, SJG, SJG, BBGH, BBGH, JCT, JCT, TXAR, TXAR, SDDR, SDDR, GRGR, GRGR, KVTX, KVTX, MSVF, MSVF, MTDJ, MTDJ, NVL, NVL, SNA4, SNA4, SNA4, VNA2, VNA1, VNA1, VNA3, VNA3, APG, APG, SNZO, SNZO.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like RUSC, PTBC, BCIP, BCIP, ROSC, ROSC, JTS, JTS, RREF, PRAC, VOTO, VOTO, VANDA, VANDA, GSPA, GSPA, OSPA, OSPA, SBA, SBA, SBA, SBA, SAML, SAML, PCON, FLOC, SITA, SITA, HOPE, HOPE, OTAV, OTAV, OTAV, RAR, RAR, CPUP, CPUP, LPAZ, LPAZ, PPT2, PPT2, PPT2, PPT2, TAOE, TAOE, NNA, NNA, EFI, EFI, TBI, TBI, TBI, TRQA, TRQA, LCO, LCO, PLCA, PLCA, RKT, RKT.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like TARG, TARG, NRN, NRN, KDJ, KDJ, ULHL, ULHL, KZA, KZA.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like MNAI, MNAI, MASI, MASI, LWLI, LWLI, MDSI, MDSI, MDSI, KRJI, KRJI, KASI, KASI, PDSI, PDSI, SISI, SISI, CGJI, CGJI, WRA, WRA, ASAR, ASAR, ASAJ, ASAJ.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like THE, THE, THE, HORT, HORT, HORT, SOH, SOH, SOH, SOH, PLG, PLG, PLG, KNT, KNT.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Valguarnera, Kest, FNA, ISR, DIVS, MLR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like USP, Osenovka, TKM2, TKM2, TKM2, etc.

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

IDC 13 00:12:56.2, 1.38, 36N, 70.30E, h0km, mb3.9/13, mb1 3.9/21, mb1mx3.7/78, mbtmp3.8/21, ML3.3/8, Error ellipse: s-maj=23.2km s-min=10.8km az=149.0

ISCJB 13 00:13:00.3, 0.5, 38.77N, 0.05, 69.77E, 0.04, h10km, mb4.1/14, Error ellipse: s-maj=7.3km s-min=3.8km az=161.9

NEIC 13 00:13:01.6, 0.7, 38.88N, 70.01E, h10km, mb4.3/5, Error ellipse: s-maj=11.7km s-min=8.9km az=154.0

NNC 13 00:13:02.9, 1.3, 38.82N, 69.91E, h3km, mb4.5, mpv4.1, Error ellipse: s-maj=9.8km s-min=6.7km az=28.0

ISC 13 00:13:00.8, 0.8, 38.58N, 0.07, 69.95E, 0.05, h10km, n52, a197/63, mb4.0/16, 10C-7D, Tajikistan

IDC 13 00:47:51.0, 1.1, 38.33N, 70.41E, h0km, mb3.6/7, mb1 3.7/15, mb1mx3.5/78, mbtmp3.6/15, ML3.2/8, Error ellipse: s-maj=18.5km s-min=11.4km az=147.0

ISCJB 13 00:47:52.0, 0.4, 38.33N, 0.04, 70.19E, 0.05, h23km, mb3.6/7, Error ellipse: s-maj=5.9km s-min=5.1km az=145.6

NNC 13 00:47:58.9, 1.5, 38.78N, 70.39E, h0km, mb4.1, mpv3.7, Error ellipse: s-maj=11.6km s-min=7.7km az=21.0

ISC 13 00:47:54.6, 0.7, 38.45N, 0.06, 70.14E, 0.05, h23km, n40, a25/18/49, mb3.6/7, 13C-5D, Afghanistan-Tajikistan border region

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

ISCJB 13 00:53:09.5, 0.4, 6.7, 15N, 0.02, 20.51E, 0.06, h0km, Error ellipse: s-maj=3.4km s-min=2.9km az=157.5

UPP 13 00:53:10.8, 0.1, 6.7, 14N, 20.64E, h0km, ML1.7, NAO 13 00:53:11.7, 0.8, 6.7, 15N, 20.71E, ML3.0

CSEM 13 00:53:11.2, 0.1, 6.7, 18N, 20.64E, h2km, ML2.8, Error ellipse: s-maj=3.9km s-min=3.0km az=75.0, Mining explosion.

HEL 13 00:53:12.0, 0.1, 6.7, 18N, 20.62E, h0km, ML2.8, ML1.7(UPP), Suspected explosion

IDC 13 00:53:12.2, 0.9, 6.7, 19N, 20.93E, h0km, mb1 3.2/4, Error ellipse: s-maj=14.5km s-min=7.5km az=115.0

BER 13 00:53:13.7, 3.2, 6.7, 16N, 20.59E, h0km, ML2.6, ML3.0(NAO), Suspected explosion

ISC 13 00:53:10.9, 0.7, 6.7, 16N, 0.02, 20.67E, 0.02, h0km, n62, a150/26, Sweden









Table with columns: SIM, Name, Time, Status, and other details. Includes entries like VORD Divnogorie, VSR Storozhevoje, ARG Arkhangelos, etc.

Table with columns: MLR, Name, Time, Status, and other details. Includes entries like MLR Muntele Rosu, GUR Goura, AKASG Malin Array Be, etc.

Table with columns: MATE, Name, Time, Status, and other details. Includes entries like MATE Matera, MORH M'ar'gy, Hung, BEL Belsk, etc.

13d 1h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like KHC Kasperke Hory, BRG Berggiesshubel, ABTA Abfallersbach, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like BILL Bilibino, TORD Torodi Ar. Bea, SSB Saint Sauveur, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like LAO, AGMN Agassiz Station, RLMT Red Lodge, etc.

Table with columns: CBN, Corbin Frederi, 143.27 342, PFAKE LR, 01 39 00.0 +15, AMTX Amarillo, 147.01 17 P, ePKPb, 01 38 53.8 +0.2, etc.

Table with columns: AMTX Amarillo, 147.01 17 P, ePKPb, 01 38 53.8 +0.2, U44A U44A, 147.02 359 P, PKPb, 01 38 51.0 -0.4, etc.

Table with columns: LPAZ La Paz, 150.40 228 P, ePKIKP, 01 39 01.8 -1.7, 151A comp=Z,6.0nm,0.9s, 150.57 351 P, PKPb, 01 39 01.7 -0.9, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, NNC 13 01:24:39.8±2.3, 38°54'N-70°05'E, h0km, mb3.8, mpv3.1, etc.



13d 2h

Table with columns: Code, Station, Name, Az, El, Pn, Sn, Lg, Time, Res. Includes stations like MNAS Manas, KK31 Karatay Array, AML Almayashu, etc.

BUI 13 02:00:09.9, 3.37N, 92.60E, h23km, mb4.8/48, mb5.2/23, Ms4.7/15, Ms7.4/15
ISCBJ 13 02:00:10.7, 0.2, 3.73N, 0.03, 92.71E, 0.1, 0.03, h10km, mb4.7/106, MS4.2/20, Error ellipse: s-maj=5.0km s-min=3.2km az=26.2
IDC 13 02:00:10.7, 0.5, 3.77N, 92.73E, h0km, mb4.5/36, mb1.4/539, mb1mx4.4/76, mbmp4.5/39, ML4.4/3, MS3.9/14, Ms1.4/0.14, ms1mx3.6/65, Error ellipse: s-maj=19.1km s-min=1.1km az=41.0
NEIC 13 02:00:12.4, 0.2, 3.77N, 92.71E, h10km, mb4.9/34, Error ellipse: s-maj=5.5km s-min=3.8km az=27.0
DJA 13 02:00:13.1, 0.3, 4.1N, 3.9E, h25km, Ms5.0/14, mb4.9/14, ms5.6/4, ML5.0/7, MML5.0/24, MML7.1/1
MOS 13 02:00:14.3, 1.0, 3.81N, 92.77E, h33km, mb5.0/42, Error ellipse: s-maj=10.4km s-min=5.2km az=112.5
ISC 13 02:00:13.4, 0.9, 3.75N, 92.74E, 0.05, h16km, 5km, n326, c1909/315, mb4.8/110, MS4.2/20, 24C-17D, Off west coast of northern Sumatra

Main station list table with columns: Code, Station, Name, Az, El, Pn, Sn, Lg, Time, Res. Lists stations from BSI Banda Aceh to NGP Nagpur.

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Main station list table with columns: Code, Station, Name, Az, El, Pn, Sn, Lg, Time, Res. Lists stations from KOHI KOHIMA to H01W2 Cape Leeuwin H.

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Main station list table with columns: Code, Station, Name, Az, El, Pn, Sn, Lg, Time, Res. Lists stations from MK01 Makanchi Array to YAK Yakutsk.







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

KRNET 13 03:49:46.7, 0.1, 40.162N, 77.40E, h19km, mb3.5
SCME 13 03:49:47.1, 40.47N, 77.32E, h20km
NMC 13 03:49:53.8, 1.7, 40.72N, 77.11E, h0km, mb3.9, mpv3.5, Error ellipse: s-maj=15.0km s-min=8.7km az=153.0

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

Table with columns: Code, Station Name, Az, El, Az, El, Time, Res, ISC, h, m, s, ISC. Includes stations like KST, TKM2, TKM2, etc.

ISK 13 03:54:17.9, 39.61N, 39.06E, h10km, ML3.3/29
ISCJB 13 03:54:18.5, 0.4, 39.61N, 0.02-39.05E, 0.02, h1km, 4km, Error ellipse: s-maj=3.2km s-min=2.4km az=164.4
CSEM 13 03:54:18.6, 0.1, 39.60N, 39.11E, h5km, ML3.3, Error ellipse: s-maj=3.8km s-min=3.1km az=143.0

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

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

ISCJB 13 03:55:11.6, 0.8, 6.25S, 0.1, 154.26E, 0.09, h35km, mb3.5/6, MS3.5/2, Error ellipse: s-maj=22.1km s-min=10.1km az=153.4
IDC 13 03:55:16.4, 9.4, 6.27S, 154.18E, h71km, 44km, mb3.3/6, mb1 3.7/8, ms1mx3.4/48, mbtbp3.7/8, ML2.8/2, MS3.3/4, Ms1 3.3/4, ms1mx2.9/27, Error ellipse: s-maj=34.1km s-min=25.4km az=172.0

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









Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MTHZ, HAZ, RUGZ, MWZ, BFZ, MXZ, TWGZ, KURB8, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SOC, KMB0, SVWZ, VORD, VSR, LPSR, OHAK, ASF, KLMR, KLMR, KLMR, KDAK, KDAK, IM3, MOS, SYO, SYO, CAST, MMLAI, OBN, OBN, OBN, BRK, BPAW, MLY, FRF, COLD, PMR, PMR, PMR, TOLK, TOLK, TOLK, RND, BR131, BRW, COLA, COLA, CCB, QSPA, DSH, QHY, SCM, SCM, ILAR, ILAR, ILAR, ILB, EIU, DOT, TGL, AKASG, AKASG, AKASG, AKAB, AKAB, KIEV, KIEV, KIEV, AK11, EGAK, ARCES, ARCES, SORM, FINES, FINES, DAWY, SPA0, SPA0, MANT, LSZ, LSZ, MLR, INK, INK, BURAR, BURAR, BUR0, SKAG, BOSHA, DRGR, STHS, STHS, LANS, LANS, LANS, VYHS, VYHS, HFS, HFS, NOA, SNA, DAG, BRG, RES, RES, CLL, CLL, GERES, GERES, YKA, YKA, YKA.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like YKA, J04D, M02C, YBH, N02D, J05D, M04C, O03D, EDM, EDM, WVOR, WVOR, MSO, PKM, NVAR, NVAR, NVAR, MFID, CWC, HLID, HLID, DAC, DAC, EDWZ, MPMC, LRMC, LRMC, FURC, FURC, BFSC, EGMT, EGMT, BOZ, TPNV, R11A, FFC, FFC, GSC, SHOC, SHOC, FCC, FCC, TUQ, PFO, PFO, PFO, H17A, BELC, MONP, GMRC, DUG, DUG, DUG, IKP, RLMT, HWUT, SWSC, BC3, IRM, GLA, Y12C, BW06, PDAR, PDAR, PDAR, LAO, LAO, LAO, DGMT, DGMT, EDSC, WUAZ, WUAZ, WUAZ, K22A, O20A, RSSD, RSSD, RSSD, MVCO, MVCO, MVCO, ULM, ULM, TUC, TUC, TUC, TORC, TORC, TORC, TORC, B31A, A32A, ISCO, ISCO, ISCO, CS1A, S22A, B32A, A33A, Q24A.

AGMN Agassiz Nation baz=313	121.46	29	P	PKPdf	05 04 48.1 -0.8	F40A Park Falls baz=318	125.91	28	P	PKPdf	05 04 57.7 +0.3	S38A Stockton baz=309	129.53	38	P	PKPdf	05 05 04.0 -0.6
AGMN Agassiz Nation E31A Nome baz=310	121.46 121.57	29 32	P	ePKPdf PKPdf	05 04 47.6 -1.2 05 04 49.2 +0.1	K36A Gilmore City baz=311	125.98	34	P	PKPdf	05 04 57.9 +0.2	R39A Chumby, Stover baz=310	129.62	37	P	PKPdf	05 05 04.2 -0.6
B33A Robert and Kas baz=313	121.61	29	P	PKPdf	05 04 49.0 -0.2	J37A Redenius Farm, baz=313	126.02	33	P	PKPdf	05 04 57.7 -0.1	N42A Fratley City baz=315	129.63	32	P	PKPdf	05 05 05.0 +0.3
SDCO Great Sand Dun baz=298	121.80	44	P	PKPdf	05 05 49.9 +0.7	E41A Kenton baz=319	126.03	27	P	PKPdf	05 04 57.8 +0.1	T38A Diamond baz=308	129.66	39	P	PKPdf	05 05 04.9 0.0
SDCO Great Sand Dun F31A Hecla baz=309	121.80 121.82	44 33	P	ePKPdf PKPdf	05 04 51.0 +0.8 05 04 49.5 -0.1	I38A Scanlan Farm, baz=317	126.17	31	P	PKPdf	05 04 57.8 -0.2	O41A Passleys Farm, baz=310	129.66	34	P	PKPdf	05 05 04.6 -0.2
C33A Trail baz=313	121.86	30	P	PKPdf	05 04 49.2 -0.5	L36A Harm Buss Farm baz=311	126.21	34	P	PKPdf	05 04 58.4 +0.2	Q40A Laux Farm, Aux baz=312	129.75	36	P	PKPdf	05 05 05.5 +0.5
B34A Aery, Baudette baz=314	121.91	29	P	PKPdf	05 04 49.2 -0.5	COWI Conover H39A Augusta baz=316	126.23 126.25	27 30	ePKPdf PKPdf	05 04 58.1 0.0 05 04 58.1 -0.1	L44A Lake County Fo baz=310	129.75	30	P	PKPdf	05 05 05.6 +0.7	
D33A AnnSam, Waubunt baz=312	122.25	30	P	PKPdf	05 04 49.9 -0.5	K37A Belmont baz=312	126.34	33	P	PKPdf	05 04 58.1 -0.3	M43A Waltham Townsh baz=317	129.76	31	P	PKPdf	05 05 04.7 -0.2
SUSD Miller baz=308	122.31	35	P	PKPdf	05 04 49.9 -0.8	G40A Rib Lake baz=317	126.35	29	P	PKPdf	05 04 58.4 +0.1	S39A Bolivar baz=310	129.85	38	P	PKPdf	05 05 04.9 -0.3
C34A RKJ Ranch, Bem baz=313	122.37	29	P	PKPdf	05 04 49.5 -1.1	F41A Three Lakes baz=319	126.52	28	P	PKPdf	05 04 58.4 -0.2	P41A Yrby, Barry baz=313	129.87	34	P	PKPdf	05 05 05.1 -0.1
121A Cookes Peak, D baz=299	122.38	51	P	PKPdf	05 04 51.9 +0.6	E42A Champion baz=320	126.53	26	P	PKPdf	05 04 58.5 -0.2	R40A Maddies Statio baz=311	130.09	36	P	PKPdf	05 05 05.3 -0.4
ANMO Albuquerque baz=296	122.38	48	P	PKPdf	05 04 52.5 +1.3	M36A Felix, Anita baz=310	126.56	35	P	PKPdf	05 04 59.3 +0.5	HDIL Hopedale baz=316	130.22	32	P	PKPdf	05 05 06.2 +0.4
ANMO Albuquerque ANMO	122.38 480	48 pmax	P	ePKPdf PKPdf	05 04 52.2 +0.9 05 04 52.6 +1.3	J38A Wedel Dairy, R baz=310	126.59	32	P	PKPdf	05 04 58.2 -0.7	HDIL Hopedale T39A Clever	130.22 130.24	32 38	ePKPdf PKPdf	05 05 06.3 +0.5 05 05 06.3 +0.3	
Y22D IRIS PASSCAL I baz=295	122.41	49	P	PKPdf	05 04 52.9 +1.6	L37A Redox Point, baz=312	126.71	34	P	PKPdf	05 04 59.0 -0.1	Q41A baz=309	130.26	35	P	PKPdf	05 05 07.1 +1.1
Y22E IRIS PASSCAL I baz=295	122.41	49	P	PKPdf	05 04 53.3 +2.0	I39A Houston baz=315	126.71	31	P	PKPdf	05 04 58.7 -0.4	M44A Midewin, Midew baz=318	130.27	31	P	PKPdf	05 05 07.0 +1.2
B35A Bob, Littlefor baz=315	122.44	28	P	PKPdf	05 04 49.8 -0.9	H40A Chillicothe baz=317	126.73	29	P	PKPdf	05 04 59.0 -0.1	P42A Winchester baz=314	130.33	34	P	PKPdf	05 05 06.0 -0.1
H31A Wolsey baz=308	122.56	34	P	PKPdf	05 04 50.8 -0.3	G41A Antigo baz=318	126.87	28	P	PKPdf	05 04 59.1 -0.2	WHTX Lake Whitney, baz=302	130.39	46	P	PKPdf	05 05 06.6 +0.2
E33A Westby DABS, E baz=312	122.59	31	P	PKPdf	05 04 50.7 -0.4	N36A Muff Farm, Cla baz=318	126.88	36	P	PKPdf	05 04 59.6 +0.1	O43A Sugar Creek Fa baz=317	130.40	32	P	PKPdf	05 05 07.2 +1.0
D34A Park Rapids baz=313	122.61	30	P	PKPdf	05 04 50.7 -0.4	K38A Parkersburg baz=313	126.89	33	P	PKPdf	05 04 59.2 -0.3	S40A Lebanon baz=310	130.41	37	P	PKPdf	05 05 06.3 0.0
G32A Webster baz=310	122.61	33	P	PKPdf	05 04 51.2 0.0	TXAR Lajitas Array baz=320	126.91	53	PKP	05 05 00.6 +0.6	KLBO Killbear Provi baz=310	130.53	21	P	PKPdf	05 05 06.3 0.0	
C35A Jirik Farms, M baz=314	122.79	29	P	PKPdf	05 04 50.5 -1.0	F42A Maple Grove Fa baz=320	126.94	27	P	PKPdf	05 04 59.4 -0.1	U39A Green Forest baz=309	130.57	39	P	PKPdf	05 05 07.5 -1.0
T25A Trinidad baz=299	122.85	44	P	PKPdf	05 04 53.1 +0.9	KSU1 Kansas State U baz=317	126.95	38	P	PKPdf	05 05 00.1 +0.4	R41A Rosebud baz=310	130.62	36	P	PKPdf	05 05 06.5 -0.1
F33A 5 Mile Ranch, baz=311	122.88	32	P	PKPdf	05 04 51.7 +0.1	KSU1 Kansas State U E43A Lone Tree Farm baz=321	126.95 126.97	38 26	ePKPdf PKPdf	05 05 00.2 +0.6 05 04 59.3 -0.2	T40A Stanfield baz=310	130.68	38	P	PKPdf	05 05 06.7 -0.2	
E34A Wadena baz=313	123.01	31	P	PKPdf	05 04 52.1 +0.2	J39A Decorah baz=315	126.98	31	P	PKPdf	05 04 58.9 -0.7	Q42A Golden Eagle baz=313	130.69	35	P	PKPdf	05 05 07.7 +0.9
H32A Carlson Farm, baz=309	123.12	34	P	PKPdf	05 04 52.0 -0.2	M37A Trindle Farm, baz=311	127.02	35	P	PKPdf	05 04 59.6 -0.1	833A Chaparral WMA, baz=297	130.72	52	P	PKPdf	05 05 08.5 +1.3
K35C Kaye Sheddock baz=302	123.13	42	P	PKPdf	05 04 53.0 +0.5	H41A Junction City baz=318	127.09	29	P	PKPdf	05 04 59.4 -0.4	BUKO Buck Lake baz=330	130.74	21	P	PKPdf	05 05 06.7 0.0
D35A Remer baz=314	123.18	29	P	PKPdf	05 04 51.2 -1.0	L38A Oak Wood Farm, baz=313	127.14	33	P	PKPdf	05 04 59.5 -0.4	P43A Skaggs, Pawnee baz=308	130.75	33	P	PKPdf	05 05 06.9 +0.1
G33A Ortonville baz=311	123.22	32	P	PKPdf	05 04 51.9 -0.4	I40A Norwalk baz=316	127.14	30	P	PKPdf	05 04 59.6 -0.3	V39A Pettigrew baz=308	130.80	40	P	PKPdf	05 05 06.8 -0.4
C36A Pine Crest Far baz=316	123.29	28	P	PKPdf	05 04 52.2 -0.2	SCIA State Center baz=312	127.15	34	P	PKPdf	05 05 00.3 +0.3	CCM Cathedral Cave baz=310	130.85	36	ePKPdf	05 05 07.1 0.0	
E35A Pequot Lakes baz=313	123.37	30	P	PKPdf	05 04 52.2 -0.4	G42A Mountain baz=319	127.20	28	P	PKPdf	05 04 59.6 -0.4	CCM Cathedral Cave S41A Jilco Farms, baz=310	130.85 130.87	36 37	ePKPdf eSKPbc	05 05 06.9 -0.2 05 05 06.9 -0.2 05 05 07.3 +0.1	
H33A Prehn Over Nor baz=310	123.39	33	P	PKPdf	05 04 52.2 -0.5	E44A Grand Marais A baz=314	127.24	25	P	PKPdf	05 05 00.1 +0.1	435B Jarrell baz=301	130.92	48	P	PKPdf	05 05 07.6 +0.2
F34A Alexandria baz=312	123.45	31	P	PKPdf	05 04 52.8 0.0	K39A Oelwein baz=314	127.32	32	P	PKPdf	05 04 59.9 -0.4	N45A Kentland baz=318	130.94	31	P	PKPdf	05 05 07.7 +0.5
D36A Goodland baz=315	123.55	29	P	PKPdf	05 04 52.2 -0.7	N37A Lee Faris, Mou baz=311	127.35	35	P	PKPdf	05 05 00.1 -0.3	O44A Stanfield baz=316	130.95	32	P	PKPdf	05 05 07.6 +0.4
J32A Parkston baz=308	123.60	35	P	PKPdf	05 04 52.0 -1.1	J40A Soldiers Grove baz=316	127.44	31	P	PKPdf	05 04 59.3 -1.2	R42A Luebering baz=313	130.97	35	P	PKPdf	05 05 07.5 +0.2
C37A Embarrass baz=316	123.62	28	P	PKPdf	05 04 52.0 -1.0	M38A Pleasantville baz=312	127.49	34	P	PKPdf	05 05 00.6 0.0	U40A Yellville baz=309	130.98	39	P	PKPdf	05 05 07.1 -0.4
G34A Benson baz=312	123.62	32	P	PKPdf	05 04 52.7 -0.4	I40A Wallace baz=320	127.53	27	P	PKPdf	05 05 00.7 +0.1	M46A Old House Fiel baz=310	131.10	29	P	PKPdf	05 05 07.5 +0.1
F35A Swanville baz=313	123.76	31	P	PKPdf	05 04 52.6 -0.7	F44A Big Bay de Noc baz=320	127.54	26	P	PKPdf	05 05 00.2 -0.3	W39A Magazine baz=310	131.10	41	P	PKPdf	05 05 07.6 0.0
I33A Coleman baz=310	123.77	34	P	PKPdf	05 04 52.8 -0.6	DBIC Dimbokro comp=2,1.0,0nm,1.0s,baz=100,slow=2,4,SNR=6.8	127.56 127.67	278 33	PKP PKPdf	05 05 01.2 -0.3 05 04 59.7 -1.2	Q43A New Douglas baz=314	131.14	34	P	PKPdf	05 05 07.5 -0.1	
EYMN Ely baz=317	123.78	27	P	PKPdf	05 04 52.9 -0.4	L39A Vinton baz=317	127.67	33	P	PKPdf	05 04 59.7 -1.2	T41A Mountain View baz=311	131.21	37	P	PKPdf	05 05 07.5 -0.3
EYMN Ely D37A Cotton baz=316	123.78 123.91	27 28	P	ePKPdf PKPdf	05 04 53.0 -0.4 05 04 52.8 -0.9	H42A Shiocton baz=319	127.71	28	P	PKPdf	05 05 00.4 -0.5	BWLO Walkerton baz=327	131.22	23	P	PKPdf	05 05 07.5 -0.2
H34A Spellman Lake, baz=313	123.92	33	P	PKPdf	05 04 53.5 -0.2	K40A Colesburg baz=319	127.73	32	P	PKPdf	05 04 60.0 -1.0	CLWO Collingwood baz=328	131.22	22	P	PKPdf	05 05 06.9 -0.8
E36A McGregor baz=315	123.97	29	P	PKPdf	05 04 52.9 -0.9	E45A Wooded Hills, baz=323	127.76	24	P	PKPdf	05 05 00.9 0.0	PEMO Woodroke baz=333	131.27	19	P	PKPdf	05 05 05.4 -2.2
C38A Sawbill Land. baz=317	124.05	27	P	PKPdf	05 04 53.2 -0.7	O37A Wolven Farm, M baz=310	127.77	36	P	PKPdf	05 05 01.0 -0.2	O45A Potomac baz=317	131.27	31	P	PKPdf	05 05 08.6 +0.8
ECSD EROS Data Cent baz=310	124.07	34	P	PKPdf	05 04 53.5 -0.5	J41A Loganville baz=316	127.83	30	P	PKPdf	05 05 00.3 -0.9	N46A Montello baz=319	131.29	30	P	PKPdf	05 05 08.5 +0.7
J33D EROS Data Cent ECSA Davis baz=309	124.07 124.13	34 34	P	ePKPdf PKPdf	05 04 53.5 -0.5 05 04 53.2 -1.0	I42A Draeger Farm, baz=318	127.98	29	P	PKPdf	05 05 00.5 -1.0	X39A Fountain Ranch baz=307	131.30	42	P	PKPdf	05 05 08.3 +0.2
G35A Watkins baz=313	124.24	31	P	PKPdf	05 04 54.4 +0.1	WMOK Wichita Mounta baz=302	128.00	44	P	PKPdf	05 05 01.8 0.0	S42A Caledonia baz=311	131.31	36	P	PKPdf	05 05 07.2 -0.8
I34A Hadley baz=311	124.29	33	P	PKPdf	05 04 54.5 +0.1	WMOK Wichita Mounta M39A Webster baz=313	128.00 128.02	44 33	ePKPdf PKPdf	05 05 01.8 0.0 05 05 01.9 +0.3	V40A Witts Springs baz=309	131.35	39	P	PKPdf	05 05 08.1 -0.1	
F36A Milaca baz=314	124.29	30	P	PKPdf	05 04 53.9 -0.4	P37A Lathrop baz=310	128.02	37	P	PKPdf	05 05 01.2 -0.5	P44A Sand Creek, Wi baz=313	131.36	33	P	PKPdf	05 05 07.6 -0.4
E37A Wrenshall baz=316	124.35	29	P	PKPdf	05 04 54.8 +0.3	JFWS Jewell Farm baz=310	128.03	31	P	PKPdf	05 05 00.9 -0.7	R43A Red Bud baz=314	131.47	35	P	PKPdf	05 05 08.3 0.0
H35A Sunnyside Ranc baz=312	124.41	32	P	PKPdf	05 04 54.8 +0.1	JFWS Jewell Farm JFWS Jewell Farm H43A Windswept, Lux baz=320	128.03 128.03 128.09	31 31 28	ePKPdf ePKPdf PKPdf	05 05 00.6 -1.0 05 05 00.6 -1.0 05 05 01.3 -0.4	SFIN Lafayette baz=316	131.50	31	P	PKPdf	05 05 08.6 +0.4	
C39A Grand Marais baz=319	124.49	27	P	PKPdf	05 04 54.6 -0.1	L40A Anamosa baz=312	128.13	32	P	PKPdf	05 05 01.4 -0.4	Q44A Meyer Farm, Va baz=310	131.54	34	P	PKPdf	05 05 08.9 +0.5
MNTX Cornudas Mount baz=295	124.58	51	P	PKPdf	05 04 56.4 +1.1	F45A CMU Biological baz=323	128.15	25	P	PKPdf	05 05 01.5 -0.2	U41A Viola baz=310	131.57	38	P	PKPdf	05 05 08.6 +0.1
G36A St. Michael baz=31																	

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for various stations.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BOSA, GSPA, TIR, SKO, CSEM, BEO, PDG, ATH, ISC, and various other locations.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MNAS, AML, KK31, UCH, AAK, KZA, TKM2, and various other locations.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ELZG, YEDI, HEKM, SVKRC, SVRC, ESPY, MALT, AKCD, SVSK, YER, YUR, TUR, ASAR, WRA, YKA, and various other locations.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NNC, SFK, MNAS, and various other locations.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PTK, SUSE, BAYB, BAYT, ELZG, and various other locations.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H08S3, H08S2, H08S1, H01W3, H01W2, H01W1, MKAR, KURB, WRA, BRTR, and various other locations.





Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like KSAR, WJBU, LPIG, PSI, MWC, PETK, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like BSI, MLI, TPTI, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like PALK, MDSI, CMAR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like MXZ, WMGZ, HAZ, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like OTUK, BVAO, BVAO, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like PRZ, PRZ, PRZ, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like ZHN, ZHN, KDJ, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like DJR, DJR, NRN, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like JIO, JIO, OFUJ, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like SCPH, SCPH, MSLP, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like COPN, COPN, XAVN, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like APG, APG, THIG, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like CMIG, CMIG, JTS, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like GLKZ, GLKZ, MXZ, etc.

RAHZ Arah 6.96 207 P Pn 08 18 21.6 +0.4
MTHZ Maungataniwha 7.00 209 P Pn 08 18 22.3 +0.4
MCHZ McEntaggart 7.57 207 P Pn 08 18 30.1 +0.5

IDC 13 08:24:29.7±1.9, 13.635S×166.85E, h0km, mb3.8/4, mb1 4.1/5, mb1mx3.7/4.9, mbmtmp3.9/5, ML3.1/1, Error ellipse: s-maj=52.6km s-min=31.5km az=124.0, Vanuatu Islands

Code Station Name Az AZZ Phase ID Time Res
DZM Mont Dzumac 8.39 183 Pn 08 26 33.2 +0.5
DZM 2.2nm, 0.3s, baz=3.5, slow=19, SNR=4.3

SOME 13 08:30:31.1, 43.32N, 84.57E, h5km
BUI 13 08:30:31.7, 42.75N, 84.49E, h7km, ML3.5/9
IDC 13 08:30:31.4±4.6, 42.66N, 84.19E, h16km, mb3.3/4, mb1 3.4/9, mb1mx3.2/7.1, mbmtmp3.9/5, ML2.9/5, Error ellipse: s-maj=24.5km s-min=21.8km az=72.0

IDC 13 08:30:31.6±0.7, 43.27N, 0.05, 84.46E, 0.03, h10km, n36, -254/47, mb3.4/4, 11C-9D, Northern Xinjiang

Code Station Name Az AZZ Phase ID Time Res
WMQ Urumqi 2.41 76 Op Pn 08 31 17.8 -0.1
WMQ comp=N, 610nm, 1.1s smax smax
WMQ comp=E, 550nm, 0.7s smax smax

BVAR 0.1nm, 0.3s, baz=134, slow=12, SNR=2.6 Lg Lg 08 37 51.6
YORK Yellowknife Arr 73.47 9 Op P 08 42 05.5 +1.7
YOKA Torodi Ar. Bea 75.88 275 P P 08 42 17.6 -0.9

IDC 13 08:32:45.8±1.5, 5.49S, 146.61E, h0km, mb3.6/3, mb1 3.9/6, mb1mx3.5/4.8, mbmtmp3.7/6, ML3.7/2, Error ellipse: s-maj=50.8km s-min=25.6km az=114.0, Eastern New Guinea region

Code Station Name Az AZZ Phase ID Time Res
PMG Port Moresby 3.93 172 Op Pn 08 33 47.8 +0.3
PMG 7.9nm, 0.3s, baz=44, slow=6.5, SNR=1.9 Sn Sn 08 34 24.8 -10
CTA Charters Tower 14.52 181 Pn Pn 08 36 14.6 +1.9

KRSC 13 08:36:45.1±1.3, 49.82N, 157.10E, h20km, 28km, ML3.6, East of Kuril Islands

Code Station Name Az AZZ Phase ID Time Res
SKR Severo-Kuril's 1.07 324 Op Pn 08 37 04.3 -0.6
SKR Kakan 0.37 18.3 -0.2 S Sb 08 37 14.9 -0.9
PAU Pauzhetka 1.66 354 eP S Sb 08 37 36.4 +1.0

MAN 13 08:52:01.9, 17.64N, 120.73E, h29km, mb4.2, ML3.0, MS2.6, 1C, Luzon

Code Station Name Az AZZ Phase ID Time Res
ABRA Dolores 0.01 293 eP S Sb 08 52 07.4 +0.6
ABRA 0.8nm, 0.3s, baz=156, slow=29, SNR=4.9 Pn Pn 08 52 11.7 +1.6
APYV Conner 0.54 66 eP S Sb 08 52 12.4 -0.5

ISCJB 13 09:02:30.3±1.5, 36.73N, 0.05, 141.40E, 0.07, h6km, 7km, mb3.4/2, Error ellipse: s-maj=10.6km s-min=6.9km az=26.1

IDC 13 09:02:31.4±1.5, 36.70N, 141.33E, h0km, mb3.3/2, mb1 3.6/3, mb1mx3.3/6.3, mbmtmp3.2/3, ML2.9/1, MS2.1/1, Ms1 2.1/1, ms1mx2.1/8.28, Error ellipse: s-maj=32.9km s-min=23.2km az=137.7

JMA 13 09:02:32.0±2.1, 36.77N, 141.26E, h31km, 1km, M3.2, JMA Feil J1

ISC 13 09:02:32.7±2.4, 36.77N, 0.06, 141.24E, 0.09, h10km, 15km, n9, 0975/16, Near east coast of eastern Honshu

Code Station Name Az AZZ Phase ID Time Res
ONAJ Iwakimizuishiy 0.49 313 Op Pn 08 02 43.3 0.0
ONAJ 0.4nm, 0.3s, baz=90, slow=8, SNR=2.3 S Sb 08 02 43.3 0.0
JHO Hitachi 0.56 254 P S Sb 08 02 44.5 0.0

IDC 13 09:10:11.6±0.4, 1.18S, 100.20E, h0km, mb4.5/29, mb1 4.5/30, mb1mx4.3/6.1, mbmtmp4.5/30, ML4.3/1, MS3.0/1, Ms1 3.0/1, ms1mx2.3/5.8, Error ellipse: s-maj=16.5km s-min=11.1km az=60.0

ISCJB 13 09:10:20.9±0.3, 1.18S, 0.03, 100.23E, 0.03, h4km, 2km, mb4.6/64, Error ellipse: s-maj=5.6km s-min=4.1km az=145.7

NEIC 13 09:10:22.0±0.7, 1.19S, 100.27E, h2km, 5km, mb4.6/33, Error ellipse: s-maj=9.4km s-min=4.6km az=54.0

NEIC Feil J111 at Padang, DJA 13 09:10:22.7±0.2, 1.19S, 100.27E, h48km, 5km, M4.7/16, mb4.6/1, mb4.8/5, ML4.6/16, Mw(Mb)3.8/1

ISC 13 09:10:21.5±0.7, 1.19S, 0.04, 100.18E, 0.04, h75km, 6km, n259, 0121/228, mb4.6/64, 1C, Southern Sumatra

Code Station Name Az AZZ Phase ID Time Res
PDSI Padang 0.39 45 Op Pn 08 10 34.0 +0.1
PDSI 0.2nm, 0.3s, baz=90, slow=8, SNR=2.3 S Sb 08 10 34.0 +0.1
SISI Saibi 0.10 263 P S Sn 08 10 41.4 -0.1

TPTI 5.35 326 P Pn 09 11 49.1 +1.0
LWLI Liwa 5.42 135 P Pn 09 11 47.4 +7.5
IPM Iloh 5.70 8 ePn Pn 09 11 46.4 +2.7

CM01 Chiang Mai Arr 19.53 357 eP P 09 14 42.6 -0.5
CMAR Chiang Mai Arr 19.57 356 P P 09 14 42.7 -0.8

Code Station Name Az AZZ Phase ID Time Res
BNSI Bone 20.15 99 Pn Pn 09 14 54.0 +1.6
H0S2 Diego Garcia H 28.33 256 T T 09 14 16.2
H0S3 Diego Garcia H 28.33 256 T T 09 44 15.7

FAKI Fak Fak 32.09 94 eP P 09 16 41.3 -0.5
DMN Daman 32.10 334 eP P 09 16 43.0 +1.0

Code Station Name Az AZZ Phase ID Time Res
KKN Kakan 32.18 335 eP P 09 16 42.9 +0.2
GKN Gorkha 32.65 334 eP P 09 16 46.8 +0.2
KOLN Koldanda 32.91 332 eP P 09 16 49.6 +0.5

H0W3 Cape Leeuwin H 35.96 160 T T 09 55 23.4
H0W2 Cape Leeuwin H 35.97 160 T T 09 55 24.3

LZH Lanzhou 37.25 5 eP P 09 17 31.3 +5.2
LZH pP pP 09 17 46.8 +2.7

LZH sP sP 09 17 55.3 +2.5
LZH pmax pmax 09 23 13.4 +5.3

LZH comp=Z, 20nm, 0.4s pmax pmax
LZH comp=Z, 130nm, 5.2s pmax pmax

LZH comp=N, 1µm, 14.4s LR LR
LZH comp=E, 1µm, 14.1s LR LR

LZH comp=Z, 1µm, 14.9s LR LR
NJ2 Nanjing 37.50 27 eP Pmax 09 17 28.6 +0.5

WRA Warramunga Arr 38.25 121 P P 09 17 33.4 -1.3
WRA 2.7nm, 0.5s, baz=312, slow=9.3, SNR=102 PpP PpP 09 19 47.7 0.0

WRAB Tennant Creek 38.25 121 eP P 09 17 33.0 -1.7
WB2 Warramunga Arr 38.26 121 eP P 09 17 33.1 -1.6

FORT Forrest 39.54 141 eP P 09 17 45.3 0.0
ASAR Alice Springs 39.58 127 P P 09 17 44.9 -0.9

ASAR 2.7nm, 0.5s, baz=301, slow=7.7, SNR=76 PpP PpP 09 19 52.5 +0.5
ASAR 1.9nm, 0.6s, baz=308, slow=2.9, SNR=12 S S 09 19 52.8 -4.8

AS31 Alice Springs 39.58 127 eP P 09 17 44.9 -0.9
AS01 Alice Springs 39.62 127 eP PpP PpP 09 17 44.8 -1.3

NIL Nilore 42.94 326 eP P 09 18 13.1 0.0
HHC Hu-ho-hao-te 43.11 13 eP Pmax pmax 09 18 15.3 +0.8

JNU Nakatsue 44.75 37 eP P 09 18 26.7 -1.0
JNU Nakatsue 44.75 37 eP P 09 18 27.8 +0.1

BBOO Buckleboo 46.10 137 eP P 09 18 38.4 +0.1
WMQ Urumqi 46.19 347 P PpP PpP 09 18 40.0 +1.1

WMQ 7.5nm, 0.7s, baz=216, slow=3.0, SNR=6.6 P 09 18 57.1 -1.0
WMQ comp=Z, 36nm, 0.9s pmax pmax 09 19 11.4 +5.4

WMQ comp=Z, 95nm, 3.7s pmax pmax
KS15 Wonju Array Si 46.21 31 eP P 09 18 39.5 +0.4

KSAR Wonju Array Be 46.21 31 PpP PpP 09 18 39.0 +0.3
KSRS Korea Array 46.24 31 PpP PpP 09 18 39.0 -0.2

KSRS 3.4nm, 0.6s, baz=226, slow=8.5, SNR=22 PpP PpP 09 20 14.0 +0.2
GUMO Guam 46.26 70 P P 09 18 42.4 -0.5

TARG Taragay, Kyrgy 47.69 37 eP P 09 18 49.4 +1.4
NRN Naryn 47.77 335 eP P 09 18 51.6 0.0

KDJ Kajiasy 47.88 337 eP P 09 18 53.2 +1.0
CTA Charters Tower 48.78 116 P P 09 18 57.1 -2.2

SONM Songino Array 49.13 39 P P 09 19 01.7 -1.3
ULN Ulaanbaatar 49.23 6 eP P 09 19 02.3 -0.1

AAK Ala-Archa 49.39 335 eP P 09 19 05.0 +1.2
STKA Stephens Creek 49.55 132 P P 09 19 05.4 +0.4

STKA Stephens Creek 49.58 132 eP P 09 19 05.2 +0.1
CN2 Changchun 50.12 24 eP Pmax pmax 09 19 10.3 +3.4

CM01 Makanchi Array 50.28 344 eP P 09 19 10.5 +0.1
MK31 Makanchi Array 50.31 344 eP P 09 19 10.8 +0.3

MAR Makanchi Array 50.31 344 P P 09 19 10.5 0.0
MKAR Makanchi Array 50.31 344 P P 09 19 10.8 +0.3

MAK2 Makanchi 50.41 344 eP P 09 19 11.1 -0.2
KK31 Karatay Array 51.53 332 eP P 09 19 19.8 0.0

KKAR Karatay Array 51.53 332 eP P 09 19 19.7 0.0
MJAR Matsuichiro Arr 51.54 39 P P 09 19 18.9 -1.0

USRK Usuriysk Arr 53.36 28 P P 09 19 33.5 +0.2
EIDS Eidsvold 54.60 121 eP P 09 19 41.9 -0.7

KURB Kurchatov Arr 54.83 343 P P 09 19 43.8 0.0
KURK Kurchatov 54.89 343 eP P 09 19 44.3 0.0

ZALV Zulesov Beam 56.42 349 P P 09 19 54.7 0.4



Table with columns: Call sign, Frequency, Mode, Power, and other technical details for various radio stations.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and Residual for station MAN 13 09:33:32.9.

MAN 13 09:33:32.9, 7.979N, 123.27E, h32km, mb3.8, ML2.5, MS2.0, 1C, Negroes

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and Residual for station TIR 13 09:40:00.5.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and Residual for station PPH Peshkopia.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and Residual for station ULC Ulcinj.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and Residual for station SKO Skopje.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and Residual for station FNA Florina.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and Residual for station NEST Nestor.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and Residual for station NEST Nestor.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and Residual for station KOME Kolasin.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and Residual for station KZV Kozani.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BARS Barje, VAY Valandovo, KEK Kerkira, etc.

SOME 13 09:51:13.9, 41:05N:70:90E, h5km
NMC 13 09:51:14.8, 3.9, 41:03N:70:88E, h0km, mb3.4, mpv3.0,
Error ellipse: s-maj=30.0km s-min=17.8km az=20.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CODE Station Name, IUG luzhny, MNAS Manas, etc.

MEX 13 10:18:59.6, 0.5, 14:46N:93:24W, h66km, 27km, MD3.8,
Near coast of Chiapas

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

ATA 13 10:24:38.9, 1.1, 38:76N:43:62E, h15km, 13km, ML2.8,
MW2.9
ISK 13 10:24:39.9, 38:73N:43:51E, h13km, ML2.7/4
ISCJB 13 10:24:40.8, 0.6, 38:72N:0:03, 43:56E:0.06, h15km, 4km,

Error ellipse: s-maj=8.3km s-min=4.0km az=27.1
CSEM 13 10:24:40.4, 0.3, 38:73N:43:52E, h10km, ML2.7, Error
ellipse: s-maj=8.0km s-min=5.0km az=112.0
DDA 13 10:24:40.9, 38:73N:43:50E, h7km, MD2.6
ISC 13 10:24:38.9, 1.4, 38:67N:0:04, 43:68E:0.05, h21km, 2km,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like VANB Van, VAY Valandovo, KEK Kerkira, etc.

IDC 13 10:35:12.5, 0.8, 2:36N: 128:48E, h0km, mb3.7/1.0,
mb1.3/8/11, mb1mx3.7/5.3, mbmp3.7/11, ML3.5/1, MS2.9/6,
Ms1.2/9/6, ms1mx2.6/57, Error ellipse: s-maj=42.2km
s-min=14.5km az=75.0
ISCJB 13 10:35:15.4, 0.6, 2:38N:0:10, 128:6E:0:2, h33km,
mb3.8/11, MS2.7/3, Error ellipse: s-maj=31.2km
s-min=10.1km az=161.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SIJI Sorong, SIJI Inuvik, BATI Baumata, etc.

IDC 13 11:00:14.4, 0.9, 51:26N:176:12W, h0km, mb4.0/2.0,
mb1.4/1/22, mb1mx3.9/83, mbmp4.0/22, ML3.9/1, MS3.0/6,
Ms1.3/0/6, ms1mx2.6/72, Error ellipse: s-maj=27.6km
s-min=12.7km az=178.0
ISCJB 13 11:00:16.8, 0.3, 51:11N:0:06:176:15W:0:04, h28km,
mb4.2/4/1, MS3.1/5, Error ellipse: s-maj=8.2km
s-min=3.2km az=16

NEIC 13 11:00:18.2, 0.0, 51:08N:176:12W, h25km, mb4.2/5/2,
ML3.8(AE/C), After AE/C.
ISC 13 11:00:18.5, 0.6, 51:10N:0:09:176:15W:0:04, h28km,
n137, r1936/127, mb4.3/41, MS3.0/5, Andreanof Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ADAG Mount Adagad, KING Kanagatov Arra, TAPA Tanaga Point A, etc.

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SDPT Sand Point, GAMB Gambell, SVW2 Sparrevohn, etc.





Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like FORT Forrest, STKA Stephens Creek, ASAR Alice Springs, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like KSRS Korea Array, KS01 Kunjju Array, KDAK Kodiak Island, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like MMIG Aquila, GUC 13 11:35:23.5, MAN 13 11:36:43.0, etc.







ARCO	comp=N,2,3um,0.7s	IAML	12 44 10.9
ASAL Salagasta	2.55 87 eP	Pb	12 43 34.5 -0.3
ASAL Agrelo	2.57 99 eS	Sg	12 44 08.4 -2.1
AAGR G004	2.71 20 eP	Pb	12 43 34.5 -0.6
GO04 Tololo Observa	2.72 20 iS	Sb	12 44 13.0 -2.7
TLL Tololo Astrono		Sb	12 44 12.4 +1.1
TLL		IAML	12 44 19.3
comp=N,7um,0.7s			
AVIZ Vizcachas	2.90 106 eP	Pb	12 43 39.1 -1.5
RTCV Cerro Valdivia	2.94 74 eP	Pb	12 43 39.1 -2.2
RTLL Cerro Villavic	3.19 65 eP	Pb	12 43 41.4 +2.1
AROD Rodeo	3.27 39 eP	Pn	12 43 42.7 +2.1
AMOG MOGNA	3.38 59 eP	Pn	12 43 44.7 +2.9
ACDV Cuesta del Vie	3.47 17 eP	Pn	12 43 40.0 +1.9
RFA San Rafael	3.47 127 eP	Pb	12 43 47.6 +2.9
RFA		Sb	12 44 32.6 -0.3
LCO Las Campanas	3.85 15 ePn	Pn	12 43 48.1 -0.4
ACAN Cantantial	3.97 85 eP	Pn	12 43 54.0 +4.1
ACAN		Sb	12 44 43.1 -4.0
AGUA GUANDACOL	4.34 43 eS	Pn	12 43 57.4 +2.3
CANA Cavihue	5.18 173 eP	Pn	12 44 10.2 +3.6
CYA Choya	6.75 52 eP	Pn	12 44 30.8 +2.7
PLCA Paso Flores	8.05 173 Pn	Pn	12 44 47.2 +1.3
comp=N,14nm,0.3s,baz=358,slow=11,SNR=510		Lg	12 46 58.6
PLCA comp=N,0.4nm,0.3s,baz=114,slow=20,SNR=1.9		LR	12 48 24.7
PLCA comp=N,318nm,19.6s,baz=16,slow=42		LR	12 44 46.8 +0.8
PLCA Paso Flores	8.05 173 ePn	Pn	12 46 58.6
PLCA		Lg	12 45 03.3 +0.7
PB10 IPOC Station P	9.26 7 ePn	Pn	12 45 10.7 +2.8
TRQA Tornquist	9.65 126 ePn	Pn	12 46 06.3 +2.7
MNMC Minye Minye	13.70 9 ePn	Pn	12 46 09.3 -0.2
CPUP Villa Florida	14.16 67 Pn	Pn	12 46 48.7 +1.7
comp=N,0.2nm,0.3s,baz=246,slow=11,SNR=3.4		Sn	12 49 59.1
CPUP comp=N,0.5nm,0.3s,baz=108,slow=20,SNR=2.0		Lg	12 51 42.3
CPUP comp=N,0.4nm,0.3s,baz=158,slow=16,SNR=1.9		LR	12 46 11.2 +1.6
CPUP comp=N,242nm,18.4s,baz=242,slow=38		LR	12 48 48.7 +1.7
CPUP Villa Florida	14.16 67 ePn	Pn	12 49 59.1
CPUP		Sn	12 46 12.5 -1.7
CHRN Cochrane	14.50 182 ePn	Pn	12 46 43.6 -0.4
LPAZ La Paz	16.72 13 Pn	Pn	12 46 44.2 +0.2
comp=N,0.2nm,0.3s,baz=177,slow=8.2,SNR=19		Pn	12 47 13.6 -1.0
LPAZ La Paz	16.72 13 ePn	Pn	12 47 37.7 +0.6
comp=N,18nm,1.0s		LR	12 48 13.2 +0.1
SIV San Ignacio	19.33 33 P	P	12 59 31.6
comp=N,0.3nm,0.3s,baz=218,slow=10,SNR=12		LR	12 49 30.2 -0.7
SIV		LR	12 49 55.2 +1.7
comp=N,252nm,18.1s,baz=183,slow=40		LR	12 50 07.3 +4.2
Nana	21.18 346 Lg	P	12 50 13.1 +1.4
comp=N,7.6nm,0.8s,baz=191,slow=4.9,SNR=3.6		P	12 50 16.0 +0.9
EFI East Falkland	21.44 156 eP	P	12 50 35.4 -0.6
SAML Samuel	25.00 21 eP	P	12 52 33.9 -0.2
comp=N,9.9nm,0.8s		P	12 52 39.2 +0.2
RPN Rapa Nui	32.84 270 LR	LR	12 52 33.9 -0.2
comp=N,100nm,21.0s,baz=94,slow=30		LR	12 51 00.7 -0.7
PTGA Pitinga	33.75 22 P	P	12 51 47.3 +0.7
comp=N,3.8nm,0.7s,baz=136,slow=22,SNR=5.3		P	12 51 47.8 -0.8
PTGA Pitinga	33.75 22 eP	P	12 51 49.8 +0.5
comp=N,12nm,1.0s		P	12 51 49.0 +0.9
PRAC Prado	36.37 355 eP	P	12 51 49.0 -1.1
comp=N,33nm,1.5s		P	12 51 49.2 -0.8
ROSC El Rosal	37.45 356 P	P	12 51 59.4 +0.2
comp=N,4.1nm,0.4s,baz=164,slow=20,SNR=3.8		P	12 51 52.2 +0.7
RUSC La Rusia	38.44 358 eP	P	12 52 03.9 +0.5
comp=N,31nm,1.4s		P	12 52 03.7 +0.4
HELIC Santa Helena	38.87 354 eP	P	12 52 12.6 -0.5
comp=N,2.9nm,0.8s		P	12 52 12.6 -0.5
SDV Santo Domingo	41.41 2 P	P	12 52 15.7 +0.6
comp=N,7.0nm,0.8s,baz=209,slow=3.8,SNR=4.5		P	12 52 33.9 -0.2
SDV		PcP	12 50 36.2 +0.2
SDV comp=N,4.1nm,0.7s,baz=13,slow=6.9,SNR=3.7		P	12 52 33.9 -0.2
SDV Santo Domingo	41.41 2 eP	P	12 51 00.7 -0.7
comp=N,9.3nm,0.9s		P	12 51 47.3 +0.7
SDV		PcP	12 51 47.8 -0.8
JTS JuntasAbangare	44.58 341 P	P	12 51 49.8 +0.5
comp=N,4.3nm,0.6s,baz=203,slow=7.7,SNR=6.0		P	12 51 49.0 +0.9
VNA3 Neumayer Olym	50.47 158 P	P	12 51 49.0 -1.1
CRPR Cabo Rojo, PR	50.66 6 eP	P	12 51 49.2 -0.8
comp=N,52nm,1.1s		P	12 51 50.9 +0.4
APG El Apazote	50.70 337 P	P	12 51 52.2 +0.7
comp=N,3.9nm,0.7s,baz=253,slow=19,SNR=4.0		P	12 52 03.9 +0.5
VNA1 Neumayer-Stat	50.77 157 P	P	12 52 03.7 +0.4
SJG San Juan	50.86 7 P	P	12 52 12.6 -0.5
comp=N,9.1nm,0.8s,baz=300,slow=8.1,SNR=3.2		P	12 52 03.9 +0.5
SJG San Juan	50.86 7 eP	P	12 52 12.6 -0.5
comp=N,1.7nm,1.0s		P	12 52 15.7 +0.6
MTP Monte Pirata	50.91 8 eP	P	12 52 15.7 +0.6
comp=N,44nm,1.4s		P	12 52 15.7 +0.6
VNA2 Neumayer-Watz	51.11 158 P	P	12 52 15.7 +0.6
baz=287,slow=8.8		P	12 52 15.7 +0.6
SNAASanae	52.69 158 P	P	12 52 15.7 +0.6
SNAASanae	52.69 158 P	P	12 52 15.7 +0.6
comp=N,5.7nm,0.6s,baz=273,slow=8.3,SNR=5.1		P	12 52 15.7 +0.6
SNAASanae	52.69 158 eP	P	12 52 15.7 +0.6
comp=N,5.0nm,0.6s,baz=271,slow=5.8,SNR=7.1		P	12 52 15.7 +0.6
SNAASanae	52.69 158 eP	P	12 52 15.7 +0.6
comp=N,8.4nm,0.8s		P	12 52 15.7 +0.6
SNAASanae	52.69 158 eP	P	12 52 15.7 +0.6
CMIG Matias Romero	54.23 333 P	P	12 52 15.7 +0.6
comp=N,1.5nm,0.6s,baz=203,slow=7.7,SNR=2.2		P	12 52 39.1 +0.9
QSPA South Pole Qui	57.49 180 P	P	12 53 32.2 +1.1
comp=N,25nm,0.9s,baz=149,slow=2.3,SNR=4.7		P	12 53 32.2 -0.2
VNDA Vanda	65.36 191 P	P	12 53 32.8 -1.9
comp=N,12.2nm,0.7s,baz=127,slow=5.5,SNR=5.0		P	12 53 36.2 +1.1
251A Midway	65.74 347 P	P	12 53 36.2 +1.1
baz=170		P	12 53 37.0 +0.5
154A Montrose	65.86 350 P	P	12 53 37.5 -0.4
baz=170		P	12 53 38.6 -0.2
346A Big Creek Wild	65.92 344 P	P	12 53 40.7 +0.9
baz=166		P	12 53 41.0 +1.2
833A Chaparral WMA	66.12 334 P	P	12 53 39.6 -0.5
baz=157		P	12 53 39.8 -0.4
150A Eclectic	66.36 347 P	P	12 53 41.9 +0.8
baz=170		P	12 53 42.8 +1.4
149A Jones	66.50 346 P	P	12 53 43.0 -0.2
245A Little AP, Sta	66.64 343 P	P	12 53 38.8 -1.7
baz=169		P	12 53 39.8 -1.7
342A Flagon Creek P	66.64 341 P	P	12 53 40.7 +0.9
baz=164		P	12 53 41.0 +1.2
GOGA Godfrey	66.70 349 P	P	12 53 39.6 -0.5
baz=172		P	12 53 39.8 -0.4
GOGA Godfrey	66.70 349 eP	P	12 53 39.8 -0.4
341A Kurthwood	66.84 340 P	P	12 53 41.9 +0.8
baz=163		P	12 53 41.9 +0.8
244A Avery-Jackson	66.84 343 P	P	12 53 42.8 +1.4
baz=165		P	12 53 43.0 -0.2
SLBS Sierra La Lagu	66.86 322 eP	P	12 53 38.8 -1.7
Z50A Ashland	66.97 347 P	P	12 53 39.8 -1.7
baz=170,SNR=5.5		P	12 53 43.0 +1.5
SYO Syowa Base	66.98 159i eP	P	12 53 43.2 +1.0
SYO Syowa Base	66.98 159i eP	P	12 53 43.2 +1.0
146A Union	67.02 344 P	P	12 53 41.9 -0.2
baz=167		P	12 53 44.0 -0.2
Z49A Columbiana	67.03 347 P	P	12 53 44.5 -0.1
baz=169		P	12 53 45.6 +1.0
Z47A Carrollton	67.34 345 P	P	12 53 46.2 +0.8
baz=168		P	12 53 45.0 -0.5
Z48A Northport	67.41 346 P	P	12 53 46.8 +0.6
baz=168		P	12 53 47.6 +1.4
241A Mo Tay, Goldon	67.42 341 P	P	12 53 47.3 +0.9
baz=164		P	12 53 47.3 +0.9
Z46A Louisville	67.53 345 P	P	12 53 47.3 +0.9
baz=167		P	12 53 47.3 +0.9
Y50A Piedmont	67.55 348 P	P	12 53 47.3 +0.9
baz=170		P	12 53 47.3 +0.9
Y49A Blount Mountai	67.65 347 P	P	12 53 47.3 +0.9
baz=163		P	12 53 47.3 +0.9
143A Socs Landing,	67.66 342 P	P	12 53 47.3 +0.9
baz=165		P	12 53 47.3 +0.9
NATX Nacogdoches	67.68 339 P	P	12 53 47.3 +0.9
baz=162		P	12 53 47.3 +0.9
TBI Tubuai	67.77 256 eLR	LR	13 14 22.3
comp=N,190nm,26.8s		LR	12 53 47.3 +0.9
TBI Tubuai	67.77 256 eT	T	12 53 47.3 +0.9
comp=N,8.9nm,0.2s		P	12 53 47.1 -0.3
Y48A Jasper	67.85 346 P	P	
baz=169		P	

CNNC Cliffs of the	67.86 355 P	P	12 53 47.5 +0.1
baz=177		P	
Z45A Winona	67.87 344 P	P	12 53 48.5 +1.0
baz=166		P	
141A Pap Simpson,	67.96 341 P	P	12 53 48.2 +0.1
baz=164		P	
Y47A UCPAR, Winfie	67.98 346 P	P	12 53 48.0 -0.2
baz=168,SNR=7.5		P	
KMSC Kings Mountain	68.11 352 P	P	12 53 49.2 +0.2
baz=171		P	
KMSC Kings Mountain	68.11 352 eP	P	12 53 48.9 -0.1
comp=N,8.5nm,0.8s		P	
BG3 Lake Jocassee	68.17 350 eP	P	12 53 49.6 +0.1
comp=N,11nm,0.8s		P	
Y46A Houston	68.17 345 P	P	12 53 49.5 +0.1
baz=167		P	
JCT Junction City	68.22 334 P	P	12 53 50.4 +0.5
comp=N,11nm,1.0s		P	
JCT Junction City	68.22 334 eP	P	12 53 50.6 +0.7
comp=N,11nm,1.0s		P	
X49A Woodville	68.27 347 P	P	12 53 49.7 -0.3
baz=170		P	
Y45A Yeager Farm, C	68.31 344 P	P	12 53 50.4 +0.2
baz=167		P	
Z42A Norrel Spur, H	68.34 342 P	P	12 53 50.2 -0.3
baz=164		P	
Z45A Hartselle	68.35 347 P	P	12 53 50.7 +0.2
baz=169,SNR=7.0		P	
X41A Richland Creek	68.55 341 P	P	12 53 52.8 +1.0
baz=164		P	
X47A Russellville	68.57 346 P	P	12 53 51.6 -0.3
baz=163,SNR=5.4		P	
TXAR Lajitas Arry	68.72 330 P	P	12 53 53.6 +0.5
comp=N,2.8nm,0.7s,baz=151,slow=8.1,SNR=3.0		PcP	
TXAR		PcP	12 54 17.3 -0.5
comp=N,1.0nm,0.7s,baz=176,slow=6.5,SNR=4.3		P	
Z40A Long Farm, Mag	68.72 341 P	P	12 53 53.6 +0.8
baz=163		P	
X31 Lajitas Ar. Si	68.72 330 eP	P	12 53 53.8 +0.7
X46A Booneville	68.76 345 P	P	12 53 53.0 -0.1
baz=163		P	
WHTX Lake Whitney,	68.78 337 P	P	12 53 53.4 +0.2
baz=160		P	
X45A UM Field Stati	68.81 345 P	P	12 53 53.1 -0.4
baz=167		P	
CPCT Cooper Creek	68.87 349 eP	P	12 53 53.6 -0.1
comp=N,13nm,0.8s		P	
SWET Sewanee	68.88 348 eP	P	12 53 53.9 0.0
comp=N,21nm,0.7s		P	
OXF Oxford	68.90 345 P	P	12 53 53.5 -0.5
baz=167		P	
OXF Oxford	68.90 345 eP	P	12 53 53.7 -0.2
comp=N,32nm,1.0s		P	
TKL Tuckaleechee C	68.95 350 P	P	12 53 53.8 -0.5
comp=N,12nm,0.8s		P	
TKL Tuckaleechee C	68.95 350 eP	P	12 53 53.9 -0.4
comp=N,12nm,0.8s		P	
W48A Putlick	68.99 347 P	P	12 53 54.5 -0.4
comp=N,11nm,0.8s		P	
Y41A Eaglette Beard			



13d 12h

Table with columns: ID, Name, Value, Unit, Status, Date, Time, and other details. Includes entries like P44A Piper City, P38A Dawn, ANMO Albuquerque, etc.

2012 MAY

Table with columns: ID, Name, Value, Unit, Status, Date, Time, and other details. Includes entries like I42A Draeger Farm, J39A Decorah, IRM Iron Mountain, etc.

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Table with columns: ID, Name, Value, Unit, Status, Date, Time, and other details. Includes entries like E41A Kenton, P17A Butcher Ranch, F38A Pierce - Schro, etc.



MAN 13 13:05:08.3, 5.57N; 126.30E, h10km, mb4.7, ML3.6, MS3.6
ISC 13 13:05:08.6, 5.57N, 126.30E, 0.1, h116km, n24,
c2s16/30, mb3.9/12, 3.0-10D, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like General Santos, Mati, Davao City (W), Davao City-Mi, Kidapawan, Musuan, Cagayan de Oro, Pagadian, Butuan, Sorong, Fitzroy Crossi, Warramunga Arr, WRA, ASAR, ASAR, NWAO, STKA, PETK, MKAR, KURBB, BVAR, VDA, SPITS, FINES, TXAR, TORO.

ISC 13 13:13:45.0, 39.38N, 44.08E, h5km, ML2.4/2,
Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Caldiran, IGDIR, TASS, AGRB.

IDC 13 13:13:56.4, 1.3, 51.41N, 176.24W, h0km, mb3.7/13,
mb1 3.9/13, mb1mx3.6/80, mbtmp3.7/13, MS2.3/73,
Ms1 3.2/3, ms1mx2.5/75, Error ellipse: s-maj=40.0km
s-min=15.3km az=179.0

ISCJB 13 13:13:58.2, 0.6, 51.05N, 176.08W, 0.05, h28km,
mb3.7/11, MS3.5/1, Error ellipse: s-maj=11.9km
s-min=4.2km az=168.2

NEIC 13 13:13:59.6, 0.0, 51.12N, 176.13W, h26km, ML3.8(AEIC),
After AEIC

ISC 13 13:14:00.0, 8.512N, 101.176E, 19W, 0.04, h28km, n41,
c1517/39, mb3.8/11, Andronof Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Mount Adagdak, Kanaga Island, TAPA, ATKA, KOKL, KOWE, KOFF, GALAA, NIKH, UNJV, SPIA, ISDLK, KADK, PETK, ILAR, SEY, INK, KLR, H1N2, H1N3, H1N1, YKA, H1S1, H1S2, H1S3, KRSR, MIRA, NVAR, SONM, TXAR, KURBB, MKAR, BVAR, GUN, JIRN, PKI, GKN, DANN, PYUN, GEYT.

0.4nm, 0.3s, baz=336, slow=6.5, SNR=5.9
BOSA Boshof 152.29 Pbc PKPbc 13 33 52.7 -0.3
1.0nm, 0.6s, baz=243, slow=2.3, SNR=3.4

CSEM 13 13:14:04.3, 0.6, 39.39N, 44.08E, h5km, ML2.4, Error
ellipse: s-maj=16.2km s-min=7.8km az=113.0
ISK 13 13:14:03.1, 39.39N, 44.05E, h5km, ML2.4/2,
Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Caldiran, Caldiran, Van-Muradiye, Van-Muradiye, TASSBURUN-IGDIR, Hanur-Agry, Hanur-Agry.

SJA 13 13:14:59.6, 0.6, 33.35S, 72.69W, h20km, 65km, ML3.4,
MV3.5
GUC 13 13:15:19.5, 0.5, 32.60S, 71.67W, h20km, 9km, ML3.3
ISC 13 13:15:10.1, 2.9, 32.65S, 008.72W, 0.1, h13km, 11km,
n15, c1985/22, Off coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like El Roble, Peldehue, Cerro Calan, Antumapu, Farellones, Las Melosas, Uspallata, Leoncito, CERRO ARCO, Salagasta, Agrelo, Cerro Valdivia, Rodeo, Cerro Villucun, MOGNA.

DJA 13 13:18:01.6, 1.6, 2.9S, 139.9E, h25km, 7km, M3.6/3,
ML3.6/3, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Genyem, Jayapura, Wamena, WAMI.

NIED 13 13:34:30.37, 10.140N, 116.11W, Mw3.2 Best double
couple: M8.0B0000, 1013 NP1, 171.00000, 857.00000,
1.30.00000. NP2, 478.00000, 865.00000,
1.43.00000

JMA 13 13:34:10.7, 37.09N, 140.65E, h15km, 21km, M3.6, PC-1D
Broadband fault plane solution: P waves. NP2:
phi=84.00000, delta=70.00000, lambda=147.00000. NP2:
phi=189.00000, delta=60.00000, lambda=226.00000. Principal axes:
T P1g39.00000, Azm44.00000; N P1g51.00000;
Az=234.00000; P P1g5.00000; Azm138.00000; Eastern

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Iwakimizuishi, Kawauchi, Ofata, Marumori, Yanaizu, Hiroka, Matsushiro.

ISCJB 13 13:35:55.8, 0.4, 20.75S, 0.08E, 178.74W, 0.08, h587km,
mb3.7/18 Error ellipse: s-maj=11.8km s-min=8.7km
az=139.4

IDC 13 13:35:56.1, 1.9, 20.74S, 178.73W, h578km, 22km,
mb3.3/18, mb1 3.4/21, mb1mx3.4/64, mbtmp4.2/21, Error
ellipse: s-maj=13.1km s-min=12.4km az=79.0

ISC 13 13:35:56.6, 0.5, 20.70S, 0.10E, 178.68W, 0.09, h587km,
n35, c0979/36, mb3.8/18, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Afiamalu, DZM, RAR, URZ, CTA, PMG, ASAR, ASAR, WRA, FITZ, URZ, MJAR, ASAJ, PETK, KRSR.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Yreka Blue Hor, MAW, NVAR, SNA, SNA, VNA3, VNA2, VNA1, ILAR, CMAR, YKA, MKAR, BVAR, ARCES, FINES, AKASG, BRTR, MMAI, GERES, TORO.

DJA 13 13:38:19.1, 1.1, 3.3N, 5.93E, h10km, M4.0, 6, mb4.1/2,
ML4.0/6, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Banda Aceh, Meulaboh, Kutacane, Gunungsitoli, Mandailing Nat.

DJA 13 13:42:27.8, 0.8, 10.5S, 111.4E, h10km, M3.9/9,
ML3.9/9, South of Jawa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Jajag, Gumukmas, Denpasar, Banyuwugur, Singaraja, Taliwang, Plampang.

ISN 13 13:48:09.7, 0.9, 32.72N, 47.68E, h15km, 3km, ML3.7
IDC 13 13:48:09.4, 0.9, 32.91N, 47.68E, h0km, mb3.8/19,
mb1 4.0/24, mb1mx3.9/26, mbtmp3.9/24, ML3.8/5, MS2.6/5,
Ms1 2.6/5, ms1mx2.4/60, Error ellipse: s-maj=22.2km
s-min=13.0km az=176.0

ISCJB 13 13:48:10.6, 0.2, 32.76N, 0.02, 47.57E, 0.02, h15km,
mb4.1/39, MS2.9/1, Error ellipse: s-maj=3.6km
s-min=2.9km az=11.6

NEIC 13 13:48:11.0, 0.4, 32.77N, 47.67E, h10km, mb4.4/15,
ML3.6(THR), MN3.7(TEH), Error ellipse: s-maj=8.1km
s-min=5.5km az=202.0

TEH 13 13:48:10.1, 32.82N, 47.68E, h7km, ML3.7
CSEM 13 13:48:11.2, 0.2, 32.74N, 47.61E, h10km, mb4.2/31, Error
ellipse: s-maj=6.0km s-min=4.0km az=15.0

MOS 13 13:48:12.5, 1.2, 32.75N, 47.63E, h37km, mb4.2/27, Error
ellipse: s-maj=8.6km s-min=5.7km az=114.9

THR 13 13:48:13.6, 0.4, 32.89N, 47.76E, h14km, 5km, ML3.6
SGS 13 13:48:14.1, 33.06N, 47.62E, h40km

ISC 13 13:48:11.6, 0.4, 32.74N, 0.04, 47.60E, 0.03, h15km, n195,
c150/203, mb4.1/40, 9C-8D, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Katar-mosلمان, Shoorstar-Gavs, Cheshme Sefid, Veis, Khatam, Khomeyn, Liem, Sanandaj, Nasrriya, Khatam, Khomeyn, Liem, Sanandaj, Nasrriya, Khatam, Khomeyn, Liem, Sanandaj, Nasrriya.

Table with columns: ICRJ, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

Table with columns: ICRJ, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.



Table with columns: FIAO, baz=325,slow=28, FINES Array S, SNR=8.0, 7.49 127 Pn Pn 16 09 43.1 +0.2

ATA 13 16:19:02.8±0.5, 37.65N±43.58E, h175km±24km, ML4.7, MW4.8

ISK 13 16:19:20.9, 38.61N±43.36E, h5km, ML3.6/11
DDA 13 16:19:21.3, 38.58N±43.43E, h3km, ML3.7

CSEM 13 16:19:22.0±0.2, 38.62N±43.38E, h2km, ML3.6, Error ellipse: s-maj=5.0km s-min=3.5km az=151.0

ISC 13 16:19:22.3±0.8, 38.61N±0.02±43.42E±0.02, h5km±5km, n110, f159/126, 9C-15D, Turkey

Main station list table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC

Table with columns: TBLG, Delisi, 3.28 18 P Pg 16 20 22.2 -2.9

ICD 13 16:49:18.4±12.0, 15.49S±177.00W, h396km±126km, mb3.0/4, mb1.3/4, mb1mx3.0/4, mbtmp3.8/4, Error ellipse: s-maj=116.5km s-min=38.1km az=152.0, Fiji

ISC 13 16:49:18.4±12.0, 15.49S±177.00W, h396km±126km, mb3.0/4, mb1.3/4, mb1mx3.0/4, mbtmp3.8/4, Error ellipse: s-maj=116.5km s-min=38.1km az=152.0, Fiji

ISC 13 16:49:18.4±12.0, 15.49S±177.00W, h396km±126km, mb3.0/4, mb1.3/4, mb1mx3.0/4, mbtmp3.8/4, Error ellipse: s-maj=116.5km s-min=38.1km az=152.0, Fiji

Main station list table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC

Table with columns: BRDA, Brd, 1.32 161 P Pn 17 05 20.6 -0.7

ISC 13 16:49:18.4±12.0, 15.49S±177.00W, h396km±126km, mb3.0/4, mb1.3/4, mb1mx3.0/4, mbtmp3.8/4, Error ellipse: s-maj=116.5km s-min=38.1km az=152.0, Fiji

ISC 13 16:49:18.4±12.0, 15.49S±177.00W, h396km±126km, mb3.0/4, mb1.3/4, mb1mx3.0/4, mbtmp3.8/4, Error ellipse: s-maj=116.5km s-min=38.1km az=152.0, Fiji

ISC 13 16:49:18.4±12.0, 15.49S±177.00W, h396km±126km, mb3.0/4, mb1.3/4, mb1mx3.0/4, mbtmp3.8/4, Error ellipse: s-maj=116.5km s-min=38.1km az=152.0, Fiji

Main station list table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC







Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like TWSI Taliwang, WDFI Ende, Flores, MMRI Maumere, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like JHRM Jahrom, JHRM Ghir, JHRM Ghir-Karzin, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like MDH Kohestak, KHKH Kohestak, KHKH Kohestak, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like ICHK Chekchek, ICHK Chekchek, ICHK Bisya, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like WHFO Wadi Hawf, SHAO Shalim, SHAO Shalim, etc.











Table with columns: Call sign, Station name, Frequency, Band, Mode, and other parameters. Includes stations like MK01, MK31, MKAR, etc.

THR 13 18:31:17.4,0.4,26.70N:53.86E,h18km,7km,ML3.7
IDC 13 18:31:17.6,1.0,26.80N:53.95E,h0km,mb3.7/15,
mb1.4/0.17,mb1mx3.7/65,mbtmp3.8/17,ML3.4/2,Error
ellipse: s-maj=23.8km s-min=17.6km az=10.0

Table with columns: Code, Station Name, Frequency, Band, Mode, and other parameters. Includes stations like GHIR, GHIR, GHIR, etc.

Table with columns: Call sign, Station name, Frequency, Band, Mode, and other parameters. Includes stations like MDH, NIAN, NIAN, etc.

ISCJB 13 18:34:46.0,1.4,27.0N:01.54:2E:0.2,h19km,mb3.4/7,
Error ellipse: s-maj=29.7km s-min=9.7km az=144.1
IDC 13 18:34:46.0,2.6,27.14N:54.11E,h0km,mb3.5/7,
mb1.3/6.8,mb1mx3.4/65,mbtmp3.6/8,ML3.2/1,Error
ellipse: s-maj=44.5km s-min=29.9km az=36.0

Table with columns: Code, Station Name, Frequency, Band, Mode, and other parameters. Includes stations like WSAR, WSAR, WSAR, etc.

BUI 13 18:44:35.2,51.10N:179.90W,h32km,mb4.9/51,
mB5.0/29,M5.4/713,M5.7/4512
NEIC 13 18:44:35.9,0.0,50.93N:179.86W,h24km,mb4.7/91,
ML4.6(AEIC),After AEIC

Table with columns: Code, Station Name, Frequency, Band, Mode, and other parameters. Includes stations like ATKA, SMY, SMY, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, and other parameters. Includes stations like ATKA, SMY, SMY, etc.

Table with columns: Call sign, Station name, Frequency, Band, Mode, and other parameters. Includes stations like OHAK, KDAD, KDAD, etc.

Table with columns: Call sign, Station name, Frequency, Band, Mode, and other parameters. Includes stations like ASAJ, INK, INK, etc.

13d 18h

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Table with columns: Station ID, Name, Location, Frequency, Power, and other technical details. Includes stations like H11S2 WAKE ISLAND, H11S3 WAKE ISLAND, YKWF3 Yellowknife Ar, etc.

Table with columns: Station ID, Name, Location, Frequency, Power, and other technical details. Includes stations like DUG Dugway, Tooele, DUG Dugway, Tooele, DUG Dugway, Tooele, etc.

Table with columns: Station ID, Name, Location, Frequency, Power, and other technical details. Includes stations like F39A Loretta, E40A Wakefield, G39A Holcombe, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like Mansfield, Cathedral Cave, Jilico Farms, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like Houston, X47A, W48A, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like PKIN, GKN, DMN, etc.

13d 19h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ABRA Dolores, ABRA APYV, SCZP Santa Cruz, CAUP Cauayan, CVP Caliao Caves, BALP Ballea.

CSEM 13 18:53:22.1, 38.82N, 29.14W, h5km, ML2.2, PDA 13 18:53:22.1, 38.82N, 29.14W, h5km, MD3.7, ML2.2, Error ellipse: s-maj=7.1km s-min=4.1km az=37.0, Azores Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CEDRO Cedros, PCED Cedros, CALA Caldeira, PICO Pico, PMAN Manadas.

ROM 13 18:55:14.8, 0.3, 42.837N, 0.007, 13.12E, 0.01, h9km, n1km, Md1.3/2, Central Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NRCA Norcia, FDMO Fiordimonte, CESI Serrava.

ISCJB 13 18:55:32.1, 0.7, 36.55N, 0.05, 71.11E, 0.09, h150km, mb3.4/2, Error ellipse: s-maj=11.2km s-min=5.3km az=156.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SFK Sufi-Kurgan, AML Almayashu, MNAS Manas, UCH Uchter, EKSZ Erkin-Say, KK31 Karatay Array, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, KBK Karagaybulak, CHMS Chumysh, TKM2 Tokmak 2, TKM2 Tokmak 2, PYUN Pyunhan, MKAR Makanchi Array, DANN Danging, KOLN Koldanda, GKN Gorkha, KKN Kakani, KURBB Kurchatov Array, AB31 Akbulak array, JIRN Jiri, BVAO Borovoye Array, AKTO Aktyubinsk, ZALV Zalesovo Beam, ARCES ARCES Array B, ASAR Alice Springs.

ISC 13 18:55:32.6, 1.1, 36.58N, 0.08, 71.1E, 0.1, h150km, n28, r146/34, 2C-8D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SFK Sufi-Kurgan, AML Almayashu, MNAS Manas, UCH Uchter, EKSZ Erkin-Say, KK31 Karatay Array, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, KBK Karagaybulak, CHMS Chumysh, TKM2 Tokmak 2, TKM2 Tokmak 2, PYUN Pyunhan, MKAR Makanchi Array, DANN Danging, KOLN Koldanda, GKN Gorkha, KKN Kakani, KURBB Kurchatov Array, AB31 Akbulak array, JIRN Jiri, BVAO Borovoye Array, AKTO Aktyubinsk, ZALV Zalesovo Beam, ARCES ARCES Array B, ASAR Alice Springs.

ISCN 13 18:57:02.6, 1.0, 32.98N, 47.76E, h15km, 6km, ML2.7, TEH 13 18:57:04.9, 32.98N, 47.76E, h10km, ML2.7, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TEH 13 18:57:04.9, 32.98N, 47.76E, h10km, ML2.7, Iran-Iraq border region.

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Table with columns: IKFM Katar-mosalman, KCHF Cheshme Sefid, IVIS Veis, IRIP Pirpir, QAM Ghamsar, IKLH Kolahrood, IZEF Zefreh, IZEF Zefreh. Includes times and residuals.

IDC 13 19:05:51.7, 0.8, 29.52S, 177.13W, h0km, mb4.3/5, m1 4.5/7, mb1mx4.0/47, mbtmp4.3/7, ML4.0/2, MS3.5/3, Ms1 3.5/3, ms1mx2.9/40, Error ellipse: s-maj=24.4km s-min=16.3km az=6.0

ISCJJB 13 19:05:56.7, 0.9, 29.66S, 0.07, 177.3W, 0.1, h31km, mb4.3/5, MS3.4/2, Error ellipse: s-maj=14.0km s-min=8.5km az=159.0

ISC 13 19:05:56.9, 0.8, 29.57S, 0.09, 177.21W, 0.09, h31km, n32, r133/24, mb4.3/5, Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RAO Raoul Island, RAO Urewera, URZ Urzu, DZM Mont Dzumac, RPZ Rata Peaks, TBI Tubuai, PAE Peapee, PPT Peapee, CTA Charters Tower, STKA Stephens Creek, STKA Alice Springs, WRA Warramunga Arr, SNAAS Sanae, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, NVAR Nina Array Bea, KURBB Kurchatov Arra, BVAR Borovoye Array, ARCES ARCES Array B, H10S3 ASCENSION HYDR88, H10S2 ASCENSION HYDR88, H10S1 ASCENSION HYDR88, H10N3 ASCENSION HYDR89, H10N1 ASCENSION HYDR89, H10N2 ASCENSION HYDR89, FINES FINES Array B, NB2 NORSAR Subarray148.03, NOA NORSAR Array B, HFS Hagfors, AKSAG Malin Array Bea, MMAL Mount Neru, BRTR Keskin Array B, TORD Torodi Arr. Bea.

MEX 13 19:10:36.2, 0.6, 18.937N, 103.06W, h16km, 7km, MD3.8, Near coast of Michoacan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EZ5V EZAB, MMIM Aquila, CJM Chamela, CJM Chamela, ZIIG Zihuatanejo, ARIG Puente Sto Nin, ARIG Puente Sto Nin.

IDC 13 19:12:16.1, 0.9, 26.99N, 53.91E, h0km, mb3.7/16, mb1 3.8/17, mb1mx3.6/70, mbtmp3.7/17, ML3.4/1, MS3.1/1, Ms1 3.1/1, ms1mx2.3/69, Error ellipse: s-maj=20.8km s-min=16.3km az=19.0

TEH 13 19:12:17.3, 26.94N, 53.90E, h24km, ML3.6, OMAN 13 19:12:20.6, 1.2, 27.23N, 54.02E, h24km, Error ellipse: s-maj=13.1km s-min=9.2km az=5.0

DSN 13 19:12:20.2, 0.7, 27.20N, 54.11E, h15km, ML3.6/7, Error ellipse: s-maj=11.6km s-min=5.8km az=38.0

CSEM 13 19:12:21.1, 0.2, 27.06N, 53.94E, h20km, ML3.4, Error ellipse: s-maj=8.8km s-min=3.6km az=55.0

ISC 13 19:12:15.8, 1.6, 26.84N, 0.03, 53.80E, 0.03, h2km, n11km, n82, r142/93, mb3.7/16, Southern Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GHIR Ghir-Karzin, JHRM Jahrom, JHRM Jahrom, BNSD Bandar-Abbas, GENO Geno, GENO Geno, SHME Shamsh, SHME Shamsh, BANOM Banah, BANOM Banah, BANOM Banah.

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Table with columns: BANOM Banah, BANOM Banah, NAZ Nazwa, NAZ Nazwa, NAZ Nazwa, NAZ Nazwa, IBND Bandar-abas, IBND Bandar-abas, MSFE Esma-Masafi, MSFE Esma-Masafi, MSFE Sarvestan, ISRV Sarvestan, MDH Madha, MDH Madha, MDH Madha, MDH Madha, NIAN Nian, NIAN Nian, UOSS Minazif, UOSS Minazif, UOSS Minazif, UOSS Minazif, HATD Hatta, Dubai, HATD Hatta, Dubai, HATD Hatta, Dubai, HATD Hatta, Dubai, KHKS Kohestak, KHKS Kohestak, AHBH AHRAH, IPAR Pars, IPAR Pars, ALNE Al Ain, ALNE Al Ain, IKAZ Kazeron, IKAZ Kazeron, SOHO SOHO, SOHO SOHO, SOHO SOHO, BTHS Kerman, BTHS Kerman, BOOSS BOOSS, KHGB Koh Gabri, KHGB Koh Gabri, CHMN Cheshme madani, CHMN Cheshme madani, IMEH Mehriz, IMEH Mehriz, ISAD Sadrabad, ISAD Sadrabad, IRAM Rameshah, IRAM Rameshah, BSY Bisya, BSY Bisya, SMDO Samad, SMDO Samad, WSAR Wadi Sarin, WSAR Wadi Sarin, IZEF Zefreh, IZEF Zefreh, IZEF Zefreh, IZEF Zefreh, IKHL Kolahrood, IKHL Kolahrood, SHRT Shahrahkht, SHRT Shahrahkht, GERT Alibab, GERT Alibab, BRTR Keskin Array B, BRTR Keskin Array B, AAK Ala-Archa, AAK Ala-Archa, AKTO Aktyubinsk, AKTO Aktyubinsk, IDI Anovoye, IDI Anovoye, BVAR Borovoye Array, BVAR Borovoye Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, AKASG Malin Array Bea, AKASG Malin Array Bea, KURBB Kurchatov Arra, KURBB Kurchatov Arra, ZALV Zalesovo Beam, ZALV Zalesovo Beam, FINES FINES Array B, FINES FINES Array B, ARCES ARCES Array B, ARCES ARCES Array B, ESDC Sonseca Array, ESDC Sonseca Array, TORD Torodi Arr. Bea, TORD Torodi Arr. Bea, YKA Yellowknife Arr, YKA Yellowknife Arr, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs.

IDC 13 19:16:23.6, 4.0, 2.62N, 89.35E, h0km, mb4.0/4, mb1 3.9/6, mb1mx3.9/74, mbtmp3.9/6, ML3.7/2, Error ellipse: s-maj=79.0km s-min=44.9km az=175.0

ISC 13 19:16:24.8, 3.4, 2.6N, 0.5, 89.4E, 0.2, h10km, n13, r0996/7, mb4.0/4, North Indian Ocean

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PALK Pallekele, PALK Pallekele, CMAR Ching Mai Arr, CMAR Ching Mai Arr, H08S3 Diego Garcia H, H08S2 Diego Garcia H.













13d 23h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Ulanbaatar, Soginoy Array, Songino Array, etc.

BUL 13 23:10:27.5; 7.58S; 129.50E; h165km, mb4.5/25, mB4.8/10
ISCJB 13 23:10:28.8; 0.2; 7.20S; 0.03; 129.24E; 0.04, h150km,
mb4.3/35, Error ellipse: s-maj=5.2km s-min=3.7km
az=166.7

NEIC 13 23:10:31.6; 0.7; 7.20S; 129.25E; h163km, 7km, mb4.7/10,
Error ellipse: s-maj=9.3km s-min=6.8km az=69.0
IDC 13 23:10:31.6; 1.8; 7.17S; 129.16E; h158km, 16km, mb3.8/18,
mb1.3/9/21, mb1mx3.8/54, mbtmp4.3/21, Error ellipse:
s-maj=14.6km s-min=10.2km az=82.0
DJA 13 23:10:32.4; 0.3; 7.3; 129.12E; h194km, 8km, M4.5/12,
mb4.5/10, mB5.0/7, MLV4.7/12, Mw(MB)4.3/7

ISC 13 23:10:30.4; 0.4; 7.22S; 0.04; 129.05E; 0.05, h150km, n92,
-29.0/93, mb4.3/35, 10-1D, Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SAUI, SAUI, SAUI, BNDI, AAI, MASOI, etc.

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Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like MAJO, Matushiro, MJ9B, Matsu-Tunnel, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like BSO3, Boso 3, BSO1, Boso 1, etc.

ISCJB 13 23:17:56.8; 1.6; 26.0N; 0.4; 45.3W; 0.2, h10km, mb3.4/6,
MS3.5/7, Error ellipse: s-maj=65.8km s-min=21.7km
az=17.2
IDC 13 23:17:57.1; 2.1; 26.04N; 0.5; 45.25W; h0km, mb3.5/6,
mb1.3/8/6, mb1mx3.4/62, mbtmp3.5/6, MS3.5/7, Ms1.3/5/7,
mb1mx3.0/40, Error ellipse: s-maj=82.1km s-min=28.0km
az=18.0

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like UCR 13 23:05.40, ML3.3, Off coast of central America, etc.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes LCR2 La Lucha 2, LCR2 Buena Vista.

ISCJB 14 00:07:19.5:0.4,39.01N:0.02:25.96E:0.04,h7km,4km, Error ellipse: s-maj=5.5km s-min=3.2km az=176.5

ATH 14 00:07:19.4,39.04N:25.94E,h21km,1km,ML2.5/5, Error ellipse: s-maj=2.0km s-min=1.1km az=98.0

CSEM 14 00:07:19.8:0.1,39.02N:25.95E,h10km,ML2.2, Error ellipse: s-maj=2.4km s-min=1.3km az=81.0

ISK 14 00:07:19.0,39.02N:25.95E,h10km,ML2.5/16 THE 14 00:07:20.0,39.03N:25.94E,h0km,1km,ML2.1/5, Error ellipse: s-maj=1.1km s-min=0.4km az=258.0

ISC 14 00:07:19.8:0.9,39.02N:0.02:25.94E:0.03,h11km,7km, n71,0543/96, Aegean Sea

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes SIGR SIGRI, SIGR SIGRI, SIGR SIGRI, SIGR SIGRI.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes SIGR SIGRI, SIGR SIGRI, SIGR SIGRI, SIGR SIGRI.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes SIGR SIGRI, SIGR SIGRI, SIGR SIGRI, SIGR SIGRI.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes SIGR SIGRI, SIGR SIGRI, SIGR SIGRI, SIGR SIGRI.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes SIGR SIGRI, SIGR SIGRI, SIGR SIGRI, SIGR SIGRI.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes SIGR SIGRI, SIGR SIGRI, SIGR SIGRI, SIGR SIGRI.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes AML Almayashu, MNAS Manas, MNAS Manas.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa.

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Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa.

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Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes STHS Stebnicka Huta, STHS Stebnicka Huta, STHS Stebnicka Huta.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes STHS Stebnicka Huta, STHS Stebnicka Huta, STHS Stebnicka Huta.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes STHS Stebnicka Huta, STHS Stebnicka Huta, STHS Stebnicka Huta.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes STHS Stebnicka Huta, STHS Stebnicka Huta, STHS Stebnicka Huta.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes STHS Stebnicka Huta, STHS Stebnicka Huta, STHS Stebnicka Huta.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes STHS Stebnicka Huta, STHS Stebnicka Huta, STHS Stebnicka Huta.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes STHS Stebnicka Huta, STHS Stebnicka Huta, STHS Stebnicka Huta.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes STHS Stebnicka Huta, STHS Stebnicka Huta, STHS Stebnicka Huta.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes STHS Stebnicka Huta, STHS Stebnicka Huta, STHS Stebnicka Huta.

ISCJB 14 00:12:54.0:0.4,50.25N:0.03:18.75E:0.03,h0km, Error ellipse: s-maj=5.0km s-min=2.2km az=8.0

CSEM 14 00:12:55.0:0.4,50.24N:18.79E,h2km,ML2.8/8, Error ellipse: s-maj=9.0km s-min=3.8km az=16.0

PRU 14 00:12:55.9,50.24N:18.81E,h0km WAW 14 00:12:56.0,50.24N:18.92E,h1km,Mw2.4

ISC 14 00:12:55.2:0.8,50.21N:0.03:18.83E:0.02,h0km,n39, 0578/69, Poland

OMAN 14 00:15:24.1:58.0,27.84N:53.50E,h10km, Error ellipse: s-maj=17.4km s-min=9.4km az=339.0

TEH 14 00:15:30.8,26.87N:53.84E,h10km,ML3.7 THR 14 00:15:31.8:0.4,26.91N:53.13E,h18km,7km,ML3.6

ISC 14 00:15:35.8:0.6,27.05N:53.96E,h15km,ML3.7, Error ellipse: s-maj=12.6km s-min=4.4km az=59.0

ISC 14 00:15:35.8:0.6,27.05N:53.96E,h15km,ML3.7, Error ellipse: s-maj=12.6km s-min=4.4km az=59.0

ISC 14 00:15:35.8:0.6,27.05N:53.96E,h15km,ML3.7, Error ellipse: s-maj=12.6km s-min=4.4km az=59.0

ISC 14 00:15:35.8:0.6,27.05N:53.96E,h15km,ML3.7, Error ellipse: s-maj=12.6km s-min=4.4km az=59.0

ISC 14 00:15:35.8:0.6,27.05N:53.96E,h15km,ML3.7, Error ellipse: s-maj=12.6km s-min=4.4km az=59.0

ISC 14 00:15:35.8:0.6,27.05N:53.96E,h15km,ML3.7, Error ellipse: s-maj=12.6km s-min=4.4km az=59.0

ISC 14 00:15:35.8:0.6,27.05N:53.96E,h15km,ML3.7, Error ellipse: s-maj=12.6km s-min=4.4km az=59.0

ISC 14 00:15:35.8:0.6,27.05N:53.96E,h15km,ML3.7, Error ellipse: s-maj=12.6km s-min=4.4km az=59.0

ISC 14 00:15:35.8:0.6,27.05N:53.96E,h15km,ML3.7, Error ellipse: s-maj=12.6km s-min=4.4km az=59.0

ISC 14 00:15:35.8:0.6,27.05N:53.96E,h15km,ML3.7, Error ellipse: s-maj=12.6km s-min=4.4km az=59.0







Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like WVOR, RES, BEKR, MSO, PAHR, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like DUG, LAO, TCUT, PSUT, BW06, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like SONM, B33A, E32A, ZAK, etc.



14d 2h

2012 MAY

Table with columns: TYNO, HKT, HKT, HKT, 242A, PLVO, PLVO, KURK, KURK, KURK, WLVO, KURBB, X44A, T47A, ACSO, 241A, W45A, S48A, WVT, WVT, WVT, TRQ, V46A, U47A, T48A, ERPA, ERPA, OXF, OXF, OXF, MEDO, ALFO, X45A, WMQ, WMQ, WMQ, WMQ, WMQ, WMQ, 143A, CD2, CD2, W46A, V47A, ALLY, U48A, Y45A, PLAL, X46A, W47A, M54A, M54A, MMNY, MK31, MK31, MKAR, MKAR, MKAR, MKAR, MK01, V48A, N54A, N54A, MAK2, MAK2, MAK2, Y46A, X47A, LONY, LONY, 244A, W48A, BVAR, BVAR, BRVK, BRVK, Z46A, Y47A, 344A, X48A, SWET, GYA, GYA, GYA, GYA, GYA, GYA

Table with columns: GYA, GYA, GYA, GYA, 146A, NCB, Z47A, Y48A, MCWV, MCWV, X49A, Z48A, TZTN, TZTN, 147A, BINY, BINY, O56A, O56A, SSPA, SSPA, CPCT, 247A, Y49A, ACCN, 148A, TKL, TKL, TKL, LRAL, LRAL, LBNH, ARU, ARU, ARU, ARU, ARU, KSPA, Y50A, Z49A, 248A, 347A, 149A, Z50A, N59A, N59A, PAGS, PKME, 249A, BLA, BLA, BLA, HNR, 150A, BG3, LUPA, ODNJ, SDMD, 151A, BRNJ, IP04, PSUB, PAL, PAL, PAL, IP03, AFI, HRV, IP07, SPRD, CVRD, 350A, IP06, IP01, 251A, CBN, CBN, WES, WES, WES, KMSC, KMSC, IP05, GOGA

Table with columns: GOGA, GOGA, NCAT, BRYW, URVA, 252A, 351A, 153A, 352A, 253A, JSC, JSC, KMI, KMI, KMI, KMI, FINES, FINES, FINES, 154A, 155A, NB2, NOA, NOA, HFS, AAK, AAK, PMG, AKTO, AKTO, VSU, VSU, ABKAR, KK31, KK31, KKAR, KKAR, PMOR, KSH, KSH, KSH, KSH, KSH, KSH, OBN, OBN, PPT, PPT2, PPT2, PPT2, PAE, EKA, EKA, CMAR, CMAR, CM01, CMAR, VSR, GUN, JIRN, KKN, KKN, GKN, DANN, APG, DZM, DZM, KOLN, PYUN, AKASG, AKASG, AKASG, AKBB, AKBB, KIEV, KIEV, KIEV, NIL, NIL, NIL, CLL, CLL, CLL, CLL

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like Colln, BRG, TBI, DPC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like URZ, RPZ, CTA, PMG, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like CEME, PENT, etc.

Code Station Name Az Phase ID Time Res ISC h m s ISC



Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EVR, MATE, AGG, KUBS, TEKS, etc.

NIED 14 03:36:00, 31.70N, 131.90E, h23km, Mw4.8 Best double couple: Mb1.650000, 1.016, NP1: 296.000000, 325.000000, 1.166, 0.000000, NP2: 41.000000, 835.000000, 1.68, 0.000000

JMA 14 03:36:45.7, 0.4, 31.71N, 131.87E, h27km, 1km, M4.8 Broadband fault plane solution: P waves. NP1: 246.000000, 879.000000, 1.89, 0.000000, NP2: 231.000000, 811.000000, 1.95, 0.000000

JMA Felt III J1. ISCJUB 14 03:36:46.9, 0.4, 31.78N, 131.55E, 0.03, h42km, 3km, mb4.8/203, MS4.5/62 Error ellipse: s-maj=4.1km s-min=3.1km az=136.0

MOS 14 03:36:46.5, 1.0, 31.83N, 131.54E, h41km, mb5.0/82, MS4.3/20, Error ellipse: s-maj=6.8km s-min=4.3km az=96.3

IDC 14 03:36:47.0, 0.6, 31.81N, 131.57E, h33km, 3km, mb4.4/45, mb1.4/5/50, mb1mx4.4/71, mbtmp4.6/50, ML4.2/5, MS4.2/44, MS1.4/244, ms1mx4.0/68, Error ellipse: s-maj=10.4km s-min=8.1km az=75.0

GCMT 14 03:36:48.3, 0.4, 31.86N, 131.95E, h34km, MW4.8/53, Moment Tensor Solution. s31, c40, s53, c64; Duration: 0 Moment tensor: Scale 10^19Nm; Mrr1.52, 14; Mss-0.87, 10; Mss-0.65, 10; Mss-0.21, 11; Mss-1.59, 08; Mss-0.63, 10; Best double couple: M1: 0.760000, 1016; NP1: 30.000000, 856.000000, 1.67, 0.000000; NP2: 247.000000, 840.000000, 1.120, 0.000000

NEIC 14 03:36:48.3, 0.5, 31.77N, 131.52E, h40km, 4km, mb4.9/117 Error ellipse: s-maj=4.1km s-min=3.2km az=142.0 NEIC Felt at Miyazaki. Recorded [3 JMA] in Miyazaki. ISC 14 03:36:46.8, 0.4, 31.76N, 131.74E, 0.03, h32km, 2km, h33km, 2km, n=49, s=162/472, mb4.9/207, MS4.5/62, 18C-12D, Kyushu

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JNAR, JNSN, JTSN, etc.

Main station list table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NJ2, SNY, SNY, etc.

Main station list table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NKL, NKL, GYA, etc.







14d 4h

2012 MAY

Table with columns for station call letters, location, frequency, power, and other technical details. Includes stations like QSPA, PETK, LEM, LEM, DBJI, SKJI, KSRS, KSAR, SAO, PKM, CGJI, PMPB, RDG13, PAGB, HOPS, GDXM, KCPM, KMRM, DECC, ARVC, MWC, VES, MURC, BFSC, EDW2, MONP, ISA, ISA, CMB, IKP, KASI, WDC, AFDM, ORV, N02D, PFO, PFO, BBRC, LRMC, SWSC, O03D, M02C, SLBS, MDPB, CWC, MDSI, YBH, MLAC, BELC, MPMC, TIN, WAKR, GSC, GSC, HEC, BC3, BEKR, PNTR, GLA, GLA, VCNR, M04C, YERR, GRAC, GMRC, FURC, IRM, NJ2, RYN, NVAR, PAHR, SHOC, TUQ, Y12C, K04D, LD4C, J04D, KVN, 214A, I04A, TPNV, TPNV, NEE2, MOD, PDMCI, J05D, SHPR, H04A, MASI, PINE, I05D, R11A, BMN, WVOR, G05D, TUC, TUC, WHN, WUJZ, WUJZ, WUJZ, A04D, B05A, PDSI, HAWA, BMO, UBPT, MFID, DUG, DUG, 121A, HLID, HLID, MAW, SKLT, SKWT, MNXX, MNXX, MVCO, NEW, NEW, PSI, ENH, TXAR, ANMO, ANMO, DLBC, COLA, ILAR, AHID, TRIT, GSI, GYA, GYA, GYA, GYA, GYA, GYA, MSO, S22A, O20A, NAYO, BILL, BW06, PDAR, BOZ, BOZ, BOZ, DAWY, H17A, TPTI, XAN, XAN, WALA, SDCO, SDCO, PBKT, PHET, MSTX, T25A, MLSI, HHC, HHC, HHC, HHC, RLMT, RLMT, Q24A, Q24A, PHIT, N23A, 833A, TOLK, K22A, KMI, JCT, JCT, AMTX, EGMT, EDM, ABTX, CMAR, SYO, CD2, CD2, CMMT, CHTO, LAO, LAO, 435B, RSSD, RSSD, PLCA, WMOK, WMOK, SNAW, SNAW, WHTX, VNA3, INK, VNA2, LZH, LZH, LZH, LZH, APG, VNA1, DGMT, DGMT, YKA, YKA, SONM, KSU1, KSU1, X39A, J32A, MIAR, W39A, Y40A, MDND, T38A, F31A, J33A, V39A, H32A, U39A, ECSD, ECSD, Q37A, S38A, GTA, GTA, GTA, E31A, R38A, H33A, N36A, T39A, P37A, J34A, V40A, U40A, S39A, W41B, C31A, G33A, O37A, K35A, Q38A, L36A, F33A, R39A, P38A, T40A, M37A, S40A, O38A, G34A, I35A, K36A, U41A

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like Seneca 1, Swea, Salisbury, Maddies Star, Joes South, Mountain View, Phoenix Point, Ashes, Strandq, Jilco Farms, Pleasantville, Belmont, Kirkville, Paris, Redenius Farm, Van Buren, Derby Farms, Swanville, Oak Wood Farm, Rosebud, Cathedral Cave, La Belle, Lemond, Waseca, Truxton, Webster, M39A, Merton, Sal, Remer, Wedel Dairy, Vinton, Barry, Barry, Aery, Baudette, Post Highland, Passleys Farm, Scanlan Farm, Marine on St., McGregor, Harden Midland, Anamosa, Goodland, Milan, Ridgeland, Cotton, Pierce, Schro, Augusta, Soldiers Grove, Shullsburg, Jewell, Oliver, Loganville, Loretta, Chili, Prairie Point, Park Falls, Columbus, Wakefield, Three Lakes, Mountain, Zalesovo Beam, Makanchi, Kurchatov, Kurbs, Kashi, Borovoye Array, ARCES Array B, FINES, HFS, Matin Array Be, AKASG, EKA, KWP, STHS, KSP, NIE, BRTR, BRTR, CLL, CLL, DPC, DPC, KRLC, LANS, ASF, MLR, VYHS, MMAI, MODS, KHC, KHC, GERES, CONA, WLF.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like MOA, ARSA, SOKA, KBA, WTTA, WTTA, MYKA, DAVA, ABTA, FETA, IDI, PBRO, POLO, MVO, PTOM, PCBR, PMFR, PMTG, ESCD, TORO, TORO.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like BSO1, BSO2, BSO3, BSO4, JHJ, MJAR, MJAR, MKAR, KURBB, ILAR, WRA, NVAR, PDAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like BSO1, BSO2, BSO3, BSO4, CHOU, JHJ, MJAR, MAT, H1N2, H1N1, H1N3, H1S3, H1S1, H1S2, MKAR, KURBB, ILAR, WRA, NVAR, LPAZ.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like TIR, BEO, ISC, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like PHP, PUK, PUK, SKO, PDG, SJES, SELS, SELS, PHP, PUK, PUK, SKO, PDG, SJES, SELS, SELS.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like PMG, CTA, WRA, WRA, ASAR, ASAR, STKA, BATI, DAV, CMAR, CMAR, MKAR, ILAR, QSPA, YBB, KURB, BVAR, PDAR, TORO, TORO.

ATH 14 05:28:01.6, 35:10N-23:36E, h42km, 1km, ML3.2/7, Error ellipse: s-maj=2.3km s-min=0.9km az=46.0

CSEM 14 05:28:02.0, 0.2, 35:10N-23:36E, h30km, ML3.2, Error ellipse: s-maj=4.9km s-min=1.9km az=31.0

THE 14 05:28:02.7, 35:10N-23:33E, h14km, 2km, ML3.2/4, Error ellipse: s-maj=2.2km s-min=0.6km az=67.0

ISC 14 05:28:03.2, 2.7, 35:17N-23:17E, h68km, 30km, mb3.3/7, m1 3.4/9, mb1mx3.2/62, mbtm3.3/7, ML2.5/1, MS2.6/2, Ms1 2.6/2, ms1mx2.2/35, Error ellipse: s-maj=3.2km s-min=24.6km az=143.0

ISC 14 05:28:00.1, 1.5, 35:00N-0:06, 23:25E, 0.04, h31km, 10km, n92, 1:60/106, mb3.5/7, Crete

ISC 14 05:04:09.8, 0.7, 34:26N-141:85E, h28km, M2.7, IDC 14 05:04:10.0, 1.1, 34:38N-141:74E, h0km, mb3.5/5, m1 3.7/7, mb1mx3.4/74, mbtm3.3/7, ML2.0/2, Error ellipse: s-maj=27.9km s-min=24.2km az=134.0

ISC 14 05:04:11.8, 0.9, 34:30N-0:06, 141:74E, 0:09, h27km, mb3.5/5, Error ellipse: s-maj=10.6km s-min=8.0km

ISC 14 05:04:13.7, 0.9, 34:35N-0:06, 141:68E, 0:09, h27km, n19, 1:37/16, mb3.5/5, Off east coast of Honshu

ISC 14 05:16:02.8, 1.4, 49:20N-20:26E, h7km, M2.8/3, BEO 14 05:16:03.1, 1.3, 41:45N-20:32E, h0km, 6km

ISC 14 05:16:01.5, 3.1, 41:44N-0:1, 20:29E, 0.05, h3km, 15km, n6, 0:57/12, Albania

ISC 14 05:25:14.9, 1.0, 5:75S, 0:1, 154:1E, 0:2, h10km, mb4.1/9, MS3.3/5, Error ellipse: s-maj=29.8km s-min=14.8km az=30.3

ISC 14 05:25:15.1, 1.0, 5:62S, 154:11E, h0km, mb4.0/8, m1 4.3/9, mb1mx3.9/51, mbtm3.4/19, ML2.9/1, MS3.2/6, Ms1 3.2/6, ms1mx2.8/41, Error ellipse: s-maj=34.3km s-min=21.7km az=120.0

ISC 14 05:25:16.7, 1.0, 5:85S, 0:2, 154:0E, 0:2, h10km, n17, 1:17/16, mb4.0/9, MS3.1/5, Bougainville-Solomon Islands region

ISC 14 05:25:16.7, 1.0, 5:85S, 0:2, 154:0E, 0:2, h10km, n17, 1:17/16, mb4.0/9, MS3.1/5, Bougainville-Solomon Islands region

ISC 14 05:25:16.7, 1.0, 5:85S, 0:2, 154:0E, 0:2, h10km, n17, 1:17/16, mb4.0/9, MS3.1/5, Bougainville-Solomon Islands region

ISC 14 05:25:16.7, 1.0, 5:85S, 0:2, 154:0E, 0:2, h10km, n17, 1:17/16, mb4.0/9, MS3.1/5, Bougainville-Solomon Islands region

ISC 14 05:25:16.7, 1.0, 5:85S, 0:2, 154:0E, 0:2, h10km, n17, 1:17/16, mb4.0/9, MS3.1/5, Bougainville-Solomon Islands region

ISC 14 05:25:16.7, 1.0, 5:85S, 0:2, 154:0E, 0:2, h10km, n17, 1:17/16, mb4.0/9, MS3.1/5, Bougainville-Solomon Islands region

ISC 14 05:25:16.7, 1.0, 5:85S, 0:2, 154:0E, 0:2, h10km, n17, 1:17/16, mb4.0/9, MS3.1/5, Bougainville-Solomon Islands region

ISC 14 05:25:16.7, 1.0, 5:85S, 0:2, 154:0E, 0:2, h10km, n17, 1:17/16, mb4.0/9, MS3.1/5, Bougainville-Solomon Islands region

ISC 14 05:25:16.7, 1.0, 5:85S, 0:2, 154:0E, 0:2, h10km, n17, 1:17/16, mb4.0/9, MS3.1/5, Bougainville-Solomon Islands region

ISC 14 05:25:16.7, 1.0, 5:85S, 0:2, 154:0E, 0:2, h10km, n17, 1:17/16, mb4.0/9, MS3.1/5, Bougainville-Solomon Islands region

ISC 14 05:25:16.7, 1.0, 5:85S, 0:2, 154:0E, 0:2, h10km, n17, 1:17/16, mb4.0/9, MS3.1/5, Bougainville-Solomon Islands region



Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like VLY Voula, Athens, GUR Gaura, KARY Karystos, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like KULA Kula-Manisa, ZKR Zakros, SHUT Suhut-Afyon, etc.

ISCJB 14 06:16:41.1±0.3, 7.02S:0.03:130.01E:0.04, h104km, mb4.2/18, Error ellipse: s-maj=5.5km s-min=4.7km

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like SAUI Saumlaki, BANDANAIRA, MANTON DAM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like PMG Port Moresby, RPZ Rata Peaks, STKA Satek, etc.

ISCJB 14 06:27:31.9±1.0, 21.30N:0.04:144.55E:0.04, h86km, 8km, mb4.4/13, Error ellipse: s-maj=6.5km s-min=6.0km

MEX 14 05:47:08.0±0.6, 16.29N:98.24W, h11km, 2km, MD3.7, Near coast of Guerrero

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

ISLANDS REGION

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like WBSI Waikabau, FITZ Fitzroy Crossi, PLAI Plampang, etc.

ISLANDS REGION

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like JHH Haha-jima-NKT, CBJ Chichi jima, CBJ Chichi jima, etc.

DDA 14 06:07:42.0±36.19N:28.86E, h9km, ML3.2

ISCJB 14 06:07:42.0±0.7, 36.18N:0.04:28.84E:0.03, h8km, 4km, Error ellipse: s-maj=6.9km s-min=4.3km az=3.3

ISK 14 06:07:42.6±36.24N:28.89E, h18km, ML3.2/1

CSEM 14 06:07:43.2±0.3, 36.22N:28.90E, h12km, ML3.2, Error ellipse: s-maj=6.9km s-min=4.2km az=5.0

ATH 14 06:07:43.2±36.12N:28.96E, h44km, 2km, ML2.6/3, Error ellipse: s-maj=3.9km s-min=1.0km az=168.0

ISC 14 06:07:43.1±1.2, 36.22N:0.04:28.90E:0.02, h13km, 9km, n59, c08679, Dodecanese Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like FETY Fethiye, AKAS Kas, KSL Kastellorizon, etc.

ASAR Alice Springs

ASAR Alice Springs 16.97 168 P 0.7m, 0.3s, bsz=347, slow=9.3, SNR=22

ASAR Alice Springs 16.97 168 P 0.5m, 0.3s, bsz=344, slow=9.2, SNR=22

ASOI Port Moresby 17.11 99 P 1.0m, 0.3s, bsz=282, slow=4.6, SNR=3.9

PMG Port Moresby 17.11 99 P 0.3m, 0.3s, bsz=150, slow=20, SNR=2.8

MDSI Maura Dua 25.66 274 pP 0.6m, 0.3s, bsz=150, slow=20, SNR=2.8

STKA Stephens Creek 26.98 158 P 2.5m, 0.5s, bsz=344, slow=9.3, SNR=8.8

STKA Stephens Creek 26.98 158 P 2.5m, 0.5s, bsz=344, slow=9.3, SNR=8.8

COCO West Island 33.13 258 eP 114nm, 0.4s

CMAR Chiang Mai Arr 37.77 310 P 1.6m, 0.4s, bsz=137, slow=11.5, SNR=5.7

USRK Ussuriysk Arr 51.01 2 P 1.3m, 0.5s, bsz=207, slow=6.1, SNR=2.8

MK31 Makanchi Array 68.26 327 eP 74nm, 0.5s

MK32 Makanchi Array 68.26 327 eP 74nm, 0.5s

MK33 Makanchi Array 68.26 327 eP 74nm, 0.5s

MKAR Makanchi Array 68.26 327 eP 74nm, 0.5s

MKJ Makajani 68.44 327 eP 3.6m, 0.6s

KAD Kajasiy 68.61 320 eP 2.1m, 1.0s

AAK Ala-Archa 70.58 320 eP 2.9m, 0.8s

ZALV Zalesovo Beam 71.61 334 P 0.8m, 0.3s, bsz=86, slow=4.8, SNR=4.3

ZAA1 Zalesovo Array 71.62 334 eP 0.8m, 0.3s, bsz=86, slow=4.8, SNR=4.3

SEY Seymchan 71.81 31 P 1.5m, 0.5s, bsz=219, slow=2.9, SNR=7.1

VNDA Vanda 72.43 173 P 0.4nm, 0.6s, bsz=296, slow=6.4, SNR=3.0

VNDA Vanda 72.43 173 eP 0.4nm, 0.6s, bsz=296, slow=6.4, SNR=3.0

KURK Kurchatov Arr 72.55 329 eP 3.4nm, 0.9s

MAW Mawson 74.95 201 P 1.6m, 0.5s, bsz=97, slow=7.8, SNR=8.3

MAW Mawson 74.95 201 P 0.4nm, 0.6s

BVAR Borovoye Arr 78.10 328 P 1.6m, 0.5s, bsz=138, slow=7.1, SNR=8.2

AKTO Aktyubinsk 84.322 P 0.6m, 0.3s, bsz=90, slow=4.3, SNR=2.6

ILAR Eielson Array 93.34 25 P 1.0m, 0.5s, bsz=283, slow=4.4, SNR=3.8

SNA4 Sanae 95.66 193 P 1.8m, 1.0s, bsz=200, slow=1.3, SNR=6.6

YKA Yellowknife Arr 107.75 26 PKiKP 0.2m, 0.8s, bsz=285, slow=2.5, SNR=4.3

TORD Torodi Arr, Bea 128.85 281 PKP 5.3m, 0.7s, bsz=148, slow=11.4, SNR=5.4

CPUP Chertov Tover 148.09 281 PKPbc 3.4m, 0.8s, bsz=184, slow=1.3, SNR=9.7

LPAZ La Paz 150.68 142 PKPbc 1.1m, 0.3s, bsz=270, slow=1.0, SNR=13

ISC 14 06:27:18.3±0.9, 17.80S:167.39E, h0km, mb4.3/11, mb1.4/4/10, ms1mx3.0/42, Error ellipse: s-maj=27.7km s-min=20.2km az=113.0

ISCJB 14 06:27:20.6±0.9, 17.93S:167.3E:0.2, h23km, mb4.2/10, MS3.4/8, Error ellipse: s-maj=21.7km s-min=11.7km az=4.0

ISC 14 06:27:21.9±0.9, 17.90S:0.09:167.3E:0.2, h23km, n23, c156/15, mb4.4/9, MS3.2/8, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, HNR Honiara, RAO Raoul Island, etc.

MOS 14 06:27:31.2±0.8, 21.32N:144.56E, h81km, mb4.5/36, Error ellipse: s-maj=12.2km s-min=7.6km az=102.7

JMA 14 06:27:33.0±1.1, 21.90N:145.13E, h13km, M5.2

NEIC 14 06:27:33.5±0.9, 21.30N:144.56E, h86km, 8km, mb4.5/76, Error ellipse: s-maj=4.9km s-min=3.9km az=120.0

IDC 14 06:27:33.7±0.6, 21.28N:144.60E, h91km, 4km, mb4.0/29, mb1.4/1/33, mb1mx4.0/70, mbtmp4.4/33, MS2.9/8, Ms1.3/0/8, ms1mx2.7/60, Error ellipse: s-maj=14.0km s-min=9.2km az=77.0

ISC 14 06:27:33.7±0.5, 21.32N:0.05:144.61E:0.07, h91km, 4km, h91km, n207, c0190226, mb4.5/113, 9C-6D, Mariana Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like JHH Haha-jima-NKT, CBJ Chichi jima, CBJ Chichi jima, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like WRA, CHTO, CMAR, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like RES, YBH, BOBA, etc.

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

ISCJB 14 06:35:52.0.6.39:74N:03:43:57E:0.05,h6km,4km, Error ellipse: s-maj=6.9km s-min=3.8km az=34.8

CSEM 14 06:35:52.0.3.38:77N:43:61E:1.0km,ML3.1, Error ellipse: s-maj=7.2km s-min=4.1km az=122.0

DDA 14 06:35:52.5.38:78N:43:63E,h7km,ML3.4 ATA 14 06:35:52.2.0.8.38:79N:43:51E,h4km,9km,ML3.7, MW3.8

ISK 14 06:35:52.2.38:76N:43:54E,h7km,ML3.1/6 ISC 14 06:35:53.1.1.0.38:76N:03:43:61E:0.03,h13km,6km, n66,+134/91,1D, Turkey

VMUR Van-Muradiye 0.23 352 i P Pg 06 35 57.5 -0.8 VMUR Van-Muradiye 0.23 352 P S Pg 06 36 03.4 +1.6

YVAN Van 0.24 257 PG Pg 06 35 58.4 +0.1 YVAN Van 0.24 227 i P Pg 06 35 58.4 +0.1

YVAN Van 0.28 215 i P Pg 06 35 59.0 -0.1 YVAN Van 0.28 215 PG Pg 06 35 59.0 -0.1

YVAN Van 0.28 215 PG Pg 06 35 59.0 -0.1 YVAN Van 0.28 215 PG Pg 06 35 59.0 -0.1

YVAN Van 0.28 215 PG Pg 06 35 59.0 -0.1 YVAN Van 0.28 215 PG Pg 06 35 59.0 -0.1

YVAN Van 0.28 215 PG Pg 06 35 59.0 -0.1 YVAN Van 0.28 215 PG Pg 06 35 59.0 -0.1

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YVAN Van 0.28 215 PG Pg 06 35 59.0 -0.1 YVAN Van 0.28 215 PG Pg 06 35 59.0 -0.1

YVAN Van 0.28 215 PG Pg 06 35 59.0 -0.1 YVAN Van 0.28 215 PG Pg 06 35 59.0 -0.1

Table with columns: Station Name, Frequency, Band, and other parameters. Includes stations like LERIK, CLILABAD, GERMI, BOSTANABAD, QOBUSTAN, etc.

Table with columns: Station Name, Frequency, Band, and other parameters. Includes stations like IVRN, VARAMIN, FIRIF, FIRIF, FIRIF, etc.

Table with columns: Code, Station Name, Frequency, Band, and other parameters. Includes stations like WMQ, EKA, CD2, KMI, etc.



CCM	Cathedral Cave	37.31	13	P	P	08 05 01.3 +0.1
CCM	Cathedral Cave	37.31	13	eP	P	08 05 01.5 +0.3
CCM	Cathedral Cave	37.41	23	eP	PcP	08 05 01.4 +0.1
R40A	Maddies Statio	37.33	11	P	P	08 20 39.2
TKL	Tuckaleechee C	37.41	23	LR	LR	08 05 02.5 +0.4
TKL	Tuckaleechee C	37.41	23	eP	P	08 05 02.5 +0.4
T47A	Sharon Grove	37.42	18	P	P	08 05 02.5 +0.4
PV09	Paradox Valley	37.43	349	eP	P	08 05 01.4 -1.2
S44A	Carbondale	37.45	15	P	P	08 05 02.4 +0.1
SIUC	Southern Illin	37.48	15	eP	P	08 05 03.4 +0.8
KSU1	Kansas State U	37.49	6	P	P	08 05 03.4 +0.7
KSU1	Kansas State U	37.49	6	eP	P	08 05 03.3 +0.7
CCUT	Cedar City	37.51	344	eP	P	08 05 01.3 -1.8
MPMC	Manual Prospec	37.51	338	P	P	08 05 04.3 +1.1
R41A	Rosedale	37.52	12	P	P	08 05 02.9 0.0
ISA	Isabella, Lake	37.55	336	P	P	08 05 04.6 +1.3
ISA	Isabella, Lake	37.55	336	eP	P	08 05 02.8 -0.5
ISA	Isabella, Lake	37.55	336	eP	PcP	08 07 22.5 +1.1
S45A	Carrier Mills	37.62	16	P	P	08 05 04.6 +0.8
MTPU	Mount Pierson	37.66	345	eP	P	08 05 05.9 +1.3
Q38A	Cooks Store, C	37.74	9	P	P	08 05 05.2 +0.5
SMCO	Snowmass	37.75	352	eP	P	08 05 06.7 +1.3
SMCO	Red Bud	37.83	14	P	PcP	08 07 22.9 +0.5
TPNV	Topopah Spring	37.86	340	P	P	08 05 07.4 +1.3
SMMC	Simmler	37.88	334	P	P	08 05 07.8 +1.7
VES	Vestal, Richgr	37.95	336	P	P	08 05 08.6 +2.0
KMSC	Kings Mountain	38.00	27	P	P	08 05 07.3 +0.2
R44A	Waltonville	38.02	15	P	P	08 05 07.4 +0.2
Q40A	Laux Farm, Aux	38.05	11	P	P	08 05 07.6 +0.2
CWC	Cottonwood Cre	38.07	337	P	P	08 05 09.2 +1.4
MSU	Marysvalle	38.10	346	eP	P	08 05 10.1 +1.9
Q41A	Truxton	38.18	12	P	P	08 05 08.7 +0.2
ISCO	Idaho Springs	38.21	354	P	P	08 05 09.9 +0.8
ISCO	Idaho Springs	38.21	354	eP	P	08 05 10.4 +1.2
ISCO	Idaho Springs	38.21	354	eP	PcP	08 07 24.1 +0.5
P37A	Lathrop	38.24	8	P	P	08 05 09.1 +0.1
Q16A	Castle Valley	38.25	347	eP	P	08 05 11.0 +1.7
TCRU	Three Creeks R	38.26	345	eP	P	08 05 08.8 -0.7
Q42A	Golden Eagle	38.29	13	P	P	08 05 10.1 +0.6
SRU	San Rafael Swe	38.30	348	eP	P	08 05 11.1 +1.4
P39B	Salisbury	38.40	10	P	P	08 05 10.7 +0.3
P38A	Dawn	38.40	9	P	P	08 05 10.5 +0.1
Q43A	New Douglas	38.52	14	P	P	08 05 11.4 +0.1
PSUT	Pine Spring	38.56	344	eP	P	08 05 13.8 +1.8
T40A	Paris	38.57	11	P	P	08 05 12.0 +0.2
PMUT	Trail Mountain	38.62	347	eP	P	08 05 14.5 +1.9
P17A	Butcher Ranch,	38.69	348	eP	P	08 05 14.3 +1.3
PB10	IPOC Station P	38.74	132	eP	P	08 05 11.7 -1.7
R47A	Wooly Knot Far	38.80	18	P	P	08 05 14.1 +0.3
WCI	Wyandotte Cave	38.81	19	eP	P	08 05 13.1 -0.8
Q20A	White River Ci	38.87	351	eP	P	08 05 15.7 +1.1
Q20A	White River Ci	38.87	351	eP	P	08 05 16.1 +1.5
Q38A	Galt	38.89	9	P	P	08 05 14.7 +0.2
P41A	Barry, Barry	38.91	12	P	P	08 05 14.9 +0.3
R11A	Troy Canyon, C	38.91	342	P	P	08 05 15.9 +1.0
R11A	Troy Canyon, C	38.91	342	eP	P	08 05 17.0 +2.1
P42A	Winchester	38.98	13	P	P	08 05 15.4 +0.2
OGNE	Ogallala	39.13	359	eP	P	08 05 17.9 +1.3
O40A	La Belle	39.17	11	P	P	08 05 16.9 +0.1
O39A	Kirksville	39.18	10	P	P	08 05 16.9 0.0
P44A	Sand Creek, Wi	39.29	15	P	P	08 05 18.1 +0.3
N23A	Red Feather L	39.33	354	P	P	08 05 19.4 +0.9
N23A	Red Feather L	39.33	354	eP	P	08 05 19.8 +1.4
O41A	Pasleys Farm,	39.37	12	P	P	08 05 18.5 0.0
MPU	Maple Canyon	39.40	347	eP	P	08 05 20.8 +1.8
MLAC	Mammoth, Mammo	39.40	337	P	P	08 05 20.6 +1.5
N37A	Lee Faris, Mou	39.41	8	P	P	08 05 18.7 -0.1
NLU	North Lily Min	39.45	347	eP	P	08 05 19.7 +0.4
OMMB	Old Mammoth Mi	39.45	337	eP	P	08 05 21.1 +1.5
N38A	Joess South For	39.59	9	P	P	08 05 20.7 +0.4
O42A	Bath	39.62	13	P	P	08 05 21.2 +0.7
N39A	Derby Farms, D	39.79	10	P	P	08 05 22.3 +0.3
DUG	Dugway, Tooele	39.85	346	P	P	08 05 24.4 +1.7
DUG	Dugway, Tooele	39.85	346	eP	P	08 05 24.5 +1.8
NV01	Mina Array Sit	39.91	339	eP	P	08 05 25.1 +1.9
NV01	Mina Array Sit	39.91	339	eP	PcP	08 07 29.5 +0.6
NVAR	Mina Array Bea	39.91	339	eP	P	08 05 24.9 +1.6
NVAR	Mina Array Bea	39.91	339	eP	PcP	08 07 29.5 +0.6
NVAR	Mina Array Bea	39.91	339	eP	LR	08 07 50.4
JLU	Jordanelle	39.92	348	eP	P	08 05 24.6 +1.2
M37A	Trindle Farm,	40.06	8	P	P	08 05 24.7 +0.5
CTU	Camp Tracy	40.08	347	eP	P	08 05 26.3 +1.7
HDIL	Hopedale	40.15	14	P	P	08 05 25.3 +0.4
HDIL	Hopedale	40.15	14	eP	P	08 05 25.3 +0.4
M38A	Pleasantville	40.20	9	P	P	08 05 25.3 -0.1
N42A	Yates City	40.24	13	P	P	08 05 26.0 +0.3
O45A	Potomac	40.26	16	P	P	08 05 26.0 +0.1

KVN	Kaiserville	40.38	339	eP	P	08 05 28.8 +1.6
WAKR	Walker	40.40	337	eP	P	08 05 29.4 +2.1
M39A	Webster	40.44	10	P	PcP	08 07 31.9 +1.5
N43A	Stutzman Famil	40.54	14	P	P	08 05 28.5 +0.3
SFIN	Slatyette	40.55	16	eP	P	08 05 28.7 +0.4
BGU	Big Grassy Mou	40.59	346	eP	P	08 05 30.6 +1.8
M41A	Milan	40.65	12	P	P	08 05 29.6 +0.5
N44A	Piper City	40.66	15	P	P	08 05 29.5 +0.3
L36A	Herm Buss Farm	40.67	7	P	P	08 05 29.7 +0.4
YERR	Yerington	40.74	338	eP	P	08 05 31.7 +1.5
L37A	Phoenix Point,	40.81	8	P	P	08 05 30.9 +0.5
SPUT	South Promonto	40.82	347	eP	P	08 05 31.1 +0.4
HWUT	Hardware Ranch	40.91	348	eP	P	08 05 32.7 +1.2
HWUT	Hardware Ranch	40.91	348	eP	PcP	08 07 31.8 -0.2
L38A	Oak Wood Farm,	40.95	9	P	P	08 05 31.5 -0.1
PNTR	Pine Nut	40.97	338	eP	P	08 05 34.2 +2.1
PTGA	Pitinga	41.06	93	P	P	08 05 32.8 -0.1
M43A	Walton Townsh	41.06	14	P	P	08 05 32.7 +0.2
L39A	Vinton	41.09	10	P	P	08 05 32.9 +0.2
K22A	Casper	41.12	354	P	P	08 05 33.6 +0.4
N46A	Monticello	41.13	16	P	P	08 05 33.2 +0.1
VCNR	Virginia City	41.17	338	eP	P	08 05 35.7 +2.0
L40A	Anamosa	41.17	11	P	P	08 05 33.0 -0.4
K35A	Storm Lake	41.21	6	P	P	08 05 33.8 +0.1
K36A	Giltire City	41.22	7	P	P	08 05 34.1 +0.3
M44A	Midewin, Midew	41.24	15	P	P	08 05 33.7 -0.3
BMN	Battle Mountai	41.33	341	eP	P	08 05 36.4 +1.5
L41A	Preston	41.33	12	P	P	08 05 34.7 0.0
HVU	Hansel Valley	41.34	347	eP	P	08 05 36.1 +1.1
AFDM	Forest Hills D	41.38	336	eP	P	08 05 36.7 +1.5
PAHR	Pah Rah Range	41.43	338	eP	P	08 05 37.5 +1.8
L42A	Olivet, Polo	41.44	13	P	P	08 05 35.5 -0.1
K37A	Belmond	41.46	8	P	P	08 05 35.1 -0.6
K38A	Parkersburg	41.47	9	P	P	08 05 35.8 -0.1
J32A	Parkston	41.63	3	P	P	08 05 38.2 +1.0
BW06	Boulder Array	41.66	350	P	P	08 05 38.4 +0.8
BW06	Boulder Array	41.66	350	eP	P	08 05 38.3 +0.7
PD31	Pinedale Array	41.66	350	eP	P	08 05 38.4 +0.7
PDAR	Pinedale Array	41.66	350	eP	P	08 05 37.9 +0.3
PDAR	Pinedale Array	41.66	350	eP	PcP	08 07 33.6 -0.8
PDAR	Pinedale Array	41.66	350	eP	LR	08 21 30.2
PDAR	Pinedale Array	41.66	350	eP	P	08 05 38.4 +0.7
URVA	University of	41.74	28	eP	P	08 05 38.8 +0.6
K40A	Colesburg	41.81	11	P	P	08 05 38.4 -0.1
L43A	Gann Prairie	41.82	14	P	P	08 05 38.2 -0.5
K41A	Shullsburg	41.88	12	P	P	08 05 39.1 -0.1
J36A	Seneca 1, Swea	41.92	7	P	P	08 05 39.5 0.0
J37A	Redenius Farm,	42.00	8	P	P	08 05 40.2 0.0
L44A	Lake County Fo	42.02	15	P	P	08 05 39.8 -0.5
ECSD	EROS Data Cent	42.08	5	P	P	08 05 40.6 -0.2
ECSD	EROS Data Cent	42.08	5	eP	P	08 05 40.6 -0.2
ORV	Oroville	42.11	336	eP	P	08 05 42.6 +1.4
J38A	Wedel Dairy, R	42.17	9	P	P	08 05 41.6 0.0
JFWS	Jewell Farm	42.19	12	P	P	08 05 41.6 -0.1
JFWS	Jewell Farm	42.19	12	eP	P	08 05 41.7 -0.1
K42A	Prairie Point	42.25	13	P	P	08 05 42.0 -0.2
I35A	Creekview Farm	42.36	6	P	P	08 05 43.8 +0.6
RSSD	Black Hills	42.38	357	P	P	08 05 44.5 +1.0
RSSD	Black Hills	42.38	357	eP	P	08 05 44.5 +1.0
K43A	Burlington	42.41	14	P	P	08 05 43.9 +0.3
REDW	Red Top Meadow	42.46	349	eP	P	08 05 44.9 +0.7
SNOW	Snow King Moun	42.54	349	eP	P	08 05 45.8 +0.9
J40A	Soldiers Grove	42.55	11	P	P	08 05 44.7 0.0
TPAW	Teton Pass	42.60	349	eP	P	08 05 44.7 -0.7
TPAW	Teton Pass	42.64	7	P	PcP	08 07 37.6 -0.1
I36A	Fitzsimmons Fa	42.64	7	P	P	08 05 45.2 -0.1
LOHW	Long Hollow	42.66	350	eP	P	08 05 45.1 -0.7
J41A	Loganville	42.67	12	P	P	08 05 45.4 -0.3
I37A	Lemond, Waseca	42.72	8	P	P	08 05 46.0 0.0
FXWY	Fox Creek	42.76	349	eP	P	08 05 47.0 +0.3
FXWY	Fox Creek	42.76	349	eP	PcP	08 07 38.2 0.0
H32A	Carlson Farm,	42.79	4	P	P	08 05 47.0 +0.4
MOOW	Moore Ponds	42.81	350	eP	P	08 05 47











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Table with columns: Station Name, Time, Azimuth, Phase, and other parameters. Includes stations like KK31, KKAR, KRAYN, etc.

ISCJUB 14 10:00:38.70.1, 17.63S; 02-69.67W; 0.2, h107km, mb6.2/149, Error ellipse: s-maj=2.9km s-min=2.0km az=150.7

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and other parameters. Includes stations like ARCH, PB12, MNMC, etc.

Table with columns: Station Name, Time, Azimuth, Phase, and other parameters. Includes stations like AUSP, ACAN, ASAL, etc.

14d 10h

14d 10h

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

2012 MAY

Table with columns for station name, frequency, power, and other technical details. Includes stations like 553A, 455A, 552A, etc.

780

Table with columns for station name, frequency, power, and other technical details. Includes stations like Y50A, Z47A, Z48A, etc.





Table with columns for station call letters, name, frequency, and other details. Includes stations like TUC Tucson, PEMO Pembroke, BUKO Buck Lake, etc.

Table with columns for station call letters, name, frequency, and other details. Includes stations like SNA4, F40A Park Falls, WUAZ Wupatki, etc.

Table with columns for station call letters, name, frequency, and other details. Includes stations like MTPU Mount Pierson, TIC Tuumodi, PMAN Manadas, etc.

Table with columns: Station ID, Name, Frequency, Band, Mode, and Signal Quality. Includes stations like PD31 Pinedale Array, PDAR Pinedale Array, BW06 Boulder Array, etc.

Table with columns: Station ID, Name, Frequency, Band, Mode, and Signal Quality. Includes stations like TBI Tubuai, AFDM Forest Hills D, LRM Limekiln Ridge, etc.

Table with columns: Station ID, Name, Frequency, Band, Mode, and Signal Quality. Includes stations like FCC Fort Churchill, FCC Fort Churchill, SAA Saint Andrews, etc.







Table with columns: Station Name, Frequency, Bandwidth, Modulation, and other technical details. Includes stations like DANN, KOLM, JAGI, etc.

Table with columns: Station Name, Frequency, Bandwidth, Modulation, and other technical details. Includes stations like LZH, MSLSI, BSI, etc.

Table with columns: QIZ, Station Name, Frequency, Bandwidth, Modulation, and other technical details. Includes stations like QIONGZHONG, OMAN, DSN, etc.



14d 10h

BSY	Bisya	5.16 185	P	Pn	10 13 54.3 +3.8
BSY	Bisya	5.16 185	Pn	Pn	10 13 54.3 +3.8
IDAH	Dahanechah	5.16 20	ePn	AMB	10 13 52.4 +1.7
IDAH	Dahanechah	5.16 20	ePn	AMB	10 15 48.9
IDAH	Dahanechah	5.16 20	ePn	Pn	10 13 52.4 +1.7
IDAH	Bisya	5.17 185	P	Pn	10 13 54.3 +3.7
ICHK	Chekchek	5.20 327	ePn	AMB	10 13 53.4 +2.2
ICHK	Chekchek	5.20 327	ePn	AMB	10 15 36.9
ICHK	Chekchek	5.20 327	ePn	Pn	10 13 53.4 +2.2
IKAZ	Kazeroun	5.50 291	ePn	AMB	10 15 49.1 +1.6
IKAZ	Kazeroun	5.50 291	ePn	AMB	10 15 14.9
IKAZ	Kazeroun	5.50 291	Pn	Pn	10 13 57.0 +1.6
IKAZ	Kazeroun	5.50 291	Pn	Pn	10 13 57.0 +1.6
JMDO	Jabal Madar	5.52 176	pPn	Pn	10 14 02.5 +7.1
IMON	Monand	5.53 17	ePn	AMB	10 13 56.6 +0.9
IMON	Monand	5.53 17	ePn	AMB	10 13 56.6 +0.9
IMON	Monand	5.53 17	ePn	Pn	10 13 56.6 +0.9
AHBM	AHRAM	5.75 281	ePn	Pn	10 13 59.6 +1.1
JLN	Jalan Bani Buh	5.93 165	P	Pn	10 14 02.2 +1.2
MZR	Muzera	6.21 219	iP	Pn	10 14 06.5 +1.6
SLWS	Slwos	7.07 246	P	Pn	10 14 17.9 +1.2
SLWS	Slwos	7.07 246	P	Pn	10 15 33.5 -3.3
BTHS	Bthos	7.29 240	P	Pn	10 14 20.0 +0.3
BTHS	Bthos	7.29 240	P	Pn	10 15 38.3 -3.9
SHGR	Shooshtar-Gavs	8.80 301	ePn	Pn	10 14 12.2 +0.8
ASAO	Ashtian	9.35 317	ePn	Pn	10 14 48.7 +0.6
CHYT	Charan	9.75 327	eP	Pn	10 14 55.5 +1.8
GEYT	Alibeck	10.01 2	Pn	Pn	10 14 59.2 +2.2
GEYT	Alibeck	10.01 2	Pn	Pn	10 14 57.4 +0.5
GEYT	Alibeck	10.01 2	Pn	Pn	10 14 57.4 +0.5
GYAOB	ALIBECK ARRAY	10.01 2	ePn	Pn	10 14 57.4 +0.5
GYAOB	ALIBECK ARRAY	10.01 2	ePn	Pn	10 14 57.4 +0.5
SHAO	Shalim	10.02 192	iP	Pn	10 14 58.4 +1.2
SHAO	Shalim	10.02 192	iP	Pn	10 14 58.4 +1.2
WHFO	Wadi Hawf	10.58 201	P	Pn	10 15 06.5 +1.6
WHFO	Wadi Hawf	10.58 201	P	Pn	10 15 06.5 +1.6
WHFO	Wadi Hawf	10.58 201	Pn	Pn	10 15 06.5 +1.6
WHFO	Wadi Hawf	10.58 201	Pn	Pn	10 15 06.5 +1.6
RBK	Rabkut	10.85 198	Pn	Pn	10 15 08.2 -0.4
ABTO	Aybut	11.27 202	Pn	Pn	10 15 14.8 +0.5
ABTO	Aybut	11.27 202	Pn	Pn	10 15 14.8 +0.5
SNGE	Sanandaj	11.39 312	ePn	Pn	10 15 16.3 +0.1
KBL	Kabul	11.72 53	ePn	Pn	10 15 19.7 -0.9
KBL	Kabul	11.72 53	ePn	Pn	10 15 19.7 -0.9
KBL	Kabul	11.72 53	ePn	Pn	10 15 19.7 -0.9
RAYN	Ar Rayn	11.85 251	ePn	Pn	10 15 19.1 -3.2
RAYN	Ar Rayn	11.85 251	ePn	Pn	10 15 19.1 -3.2
THW	Thamme Wali	13.04 65	P	Pn	10 15 40.2 +3.5
CEP	Cherak	13.53 61	P	Pn	10 15 49.8 -4.8
NIL	Nilore	14.52 63	ePn	Pn	10 15 59.1 +0.5
NIL	Nilore	14.52 63	ePn	Pn	10 15 59.2 +0.5
NIL	Nilore	14.52 63	ePn	Pn	10 15 59.2 +0.5
CHCP	Chirah Chowk	14.53 63	P	Pn	10 16 02.2 -3.2
AKT	Akhty	15.93 331	iP	Pn	10 16 17.4 +1.3
AKT	Akhty	15.93 331	iP	Pn	10 16 17.4 +1.3
VANB	Van	16.03 315	eP	Pn	10 16 19.0 +0.3
VANB	Van	16.03 315	eP	Pn	10 16 22.2 +0.5
GNI	Garni	16.26 322	ePn	Pn	10 16 21.3 -0.4
GNI	Garni	16.26 322	ePn	Pn	10 16 21.3 -0.4
GNI	Garni	16.26 322	P	Pn	10 16 24.1 -0.7
GNI	Garni	16.26 322	P	Pn	10 16 22.9 +1.2
GNI	Garni	16.26 322	Pn	Pn	10 16 21.3 -0.4
GNI	Garni	16.26 322	iP	P	10 16 24.1 -0.7
GNI	Garni	16.26 322	iP	P	10 16 24.1 -0.7
GNI	Garni	16.26 322	iP	P	10 16 24.1 -0.7
AGRB	Hanur-Agry	16.88 317	eP	Pn	10 16 30.0 +0.4
NDI	New Delhi	17.18 83	eP	Pn	10 16 35.0 +0.1
IUG	Iuzhnay	17.39 32	iP	Pn	10 16 39.5 +2.3
IUG	Iuzhnay	17.39 32	iP	Pn	10 16 39.5 +2.3
TBLG	Delisi	17.41 326	ePn	S	10 19 52.6 -5.1
TBLG	Delisi	17.41 326	ePn	Pn	10 16 36.1 0.0
TBLG	Delisi	17.41 326	ePn	Pn	10 16 36.1 0.0
TBLG	Delisi	17.41 326	ePn	Pn	10 16 36.1 0.0
SFK	Sufi-Kurgan	17.77 43	iP	Pn	10 16 40.2 -0.6
SFK	Sufi-Kurgan	17.77 43	iP	Pn	10 16 40.2 -0.6
AKH	Akhalkalaki	17.82 323	iP	P	10 16 44.7 +2.7
AKH	Akhalkalaki	17.82 323	ePn	P	10 16 42.2 +0.2
AKH	Akhalkalaki	17.82 323	ePn	P	10 16 42.2 +0.2
AKH	Akhalkalaki	17.82 323	ePn	P	10 16 42.2 +0.2
AKH	Akhalkalaki	17.82 323	ePn	P	10 16 42.2 +0.2
GROC	Groznyy	18.06 331	eP	Pn	10 16 45.6 +1.2
GROC	Groznyy	18.06 331	eP	Pn	10 16 45.6 +1.2
DAMY	Dhamar	18.16 226	ePn	Pn	10 16 44.5 -1.3
DAMY	Dhamar	18.16 226	ePn	Pn	10 16 44.5 -1.3
KK31	Karatay Array	18.36 31	eP	P	10 16 47.7 0.0
KK31	Karatay Array	18.36 31	eP	P	10 16 47.7 0.0
KK31	Karatay Array	18.36 31	iP	P	10 16 47.7 +0.1
KK31	Karatay Array	18.36 31	iP	P	10 16 47.7 +0.1
KKAR	Karatay Array	18.36 31	eP	P	10 16 47.9 +0.1
KKAR	Karatay Array	18.36 31	eP	P	10 16 47.9 +0.1
URFA	Urfa	18.52 306	eP	P	10 16 49.4 -0.2
ASF	Jabal al Asfar	18.53 288	P	Pn	10 16 49.0 -0.8
ASF	Jabal al Asfar	18.53 288	P	Pn	10 16 49.0 -0.8
SVRC	Stivrice-ELAZID	18.60 309	eP	Pn	10 16 50.0 0.0
ZEI	Tsey	18.61 327	eP	P	10 16 48.8 -1.9
ZEI	Tsey	18.61 327	eP	P	10 16 48.8 -1.9
PTK	Pertek	18.79 310	eP	Pn	10 16 54.4 +1.1
MNAS	Manas	18.86 36	iP	Pn	10 16 53.3 -0.8
MNAS	Manas	18.86 36	iP	Pn	10 16 53.3 -0.8
KSH	Kashi	19.05 48	P	P	10 16 51.5 -4.0
KSH	Kashi	19.05 48	P	P	10 16 59.0 -0.7
KSH	Kashi	19.05 48	P	P	10 17 02.4 +0.7
KSH	Kashi	19.05 48	P	P	10 17 06.6 -2.3
KSH	Kashi	19.05 48	P	P	10 20 13.0 -1.7
KSH	Kashi	19.05 48	P	P	10 20 17.8 +5.8
KSH	Kashi	19.05 48	P	P	10 24 57.3 +0.1
KSH	Kashi	19.05 48	P	P	10 16 51.5 -4.0
KSH	Kashi	19.05 48	P	P	10 16 59.0 -0.7
KSH	Kashi	19.05 48	P	P	10 17 02.4 +0.7
KSH	Kashi	19.05 48	P	P	10 17 06.6 -2.3
KSH	Kashi	19.05 48	P	P	10 20 13.0 -1.7
KSH	Kashi	19.05 48	P	P	10 20 17.8 +5.8
KSH	Kashi	19.05 48	P	P	10 24 57.3 +0.1
KSH	Kashi	19.05 48	P	P	10 16 51.5 -4.0
KSH	Kashi	19.05 48	P	P	10 16 59.0 -0.7
KSH	Kashi	19.05 48	P	P	10 17 02.4 +0.7
KSH	Kashi	19.05 48	P	P	10 17 06.6 -2.3
KSH	Kashi	19.05 48	P	P	10 20 13.0 -1.7
KSH	Kashi	19.05 48	P	P	10 20 17.8 +5.8
KSH	Kashi	19.05 48	P	P	10 24 57.3 +0.1
KSH	Kashi	19.05 48	P	P	10 16 51.5 -4.0
KSH	Kashi	19.05 48	P	P	10 16 59.0 -0.7
KSH	Kashi	19.05 48	P	P	10 17 02.4 +0.7
KSH	Kashi	19.05 48	P	P	10 17 06.6 -2.3
KSH	Kashi	19.05 48	P	P	10 20 13.0 -1.7
KSH	Kashi	19.05 48	P	P	10 20 17.8 +5.8
KSH	Kashi	19.05 48	P	P	10 24 57.3 +0.1
KSH	Kashi	19.05 48	P	P	10 16 51.5 -4.0
KSH	Kashi	19.05 48	P	P	10 16 59.0 -0.7
KSH	Kashi	19.05 48	P	P	10 17 02.4 +0.7
KSH	Kashi	19.05 48	P	P	10 17 06.6 -2.3
KSH	Kashi	19.05 48	P	P	10 20 13.0 -1.7
KSH	Kashi	19.05 48	P	P	10 20 17.8 +5.8
KSH	Kashi	19.05 48	P	P	10 24 57.3 +0.1
KSH	Kashi	19.05 48	P	P	10 16 51.5 -4.0
KSH	Kashi	19.05 48	P	P	10 16 59.0 -0.7
KSH	Kashi	19.05 48	P	P	10 17 02.4 +0.7
KSH	Kashi	19.05 48	P	P	10 17 06.6 -2.3
KSH	Kashi	19.05 48	P	P	10 20 13.0 -1.7
KSH	Kashi	19.05 48	P	P	10 20 17.8 +5.8
KSH	Kashi	19.05 48	P	P	10 24 57.3 +0.1
KSH	Kashi	19.05 48	P	P	10 16 51.5 -4.0
KSH	Kashi	19.05 48	P	P	10 16 59.0 -0.7
KSH	Kashi	19.05 48	P	P	10 17 02.4 +0.7
KSH	Kashi	19.05 48	P	P	10 17 06.6 -2.3
KSH	Kashi	19.05 48	P	P	10 20 13.0 -1.7
KSH	Kashi	19.05 48	P	P	10 20 17.8 +5.8
KSH	Kashi	19.05 48	P	P	10 24 57.3 +0.1
KSH	Kashi	19.05 48	P	P	10 16 51.5 -4.0
KSH	Kashi	19.05 48	P	P	10 16 59.0 -0.7
KSH	Kashi	19.05 48	P	P	10 17 02.4 +0.7
KSH	Kashi	19.05 48	P	P	10 17 06.6 -2.3
KSH	Kashi	19.05 48	P	P	10 20 13.0 -1.7
KSH	Kashi	19.05 48	P	P	10 20 17.8 +5.8
KSH	Kashi	19.05 48	P	P	10 24 57.3 +0.1
KSH	Kashi	19.05 48	P	P	10 16 51.5 -4.0
KSH	Kashi	19.05 48	P	P	10 16 59.0 -0.7
KSH	Kashi	19.05 48	P	P	10 17 02.4 +0.7
KSH	Kashi	19.05 48	P	P	10 17 06.6 -2.3
KSH	Kashi	19.05 48	P	P	10 20 13.0 -1.7
KSH	Kashi	19.05 48	P	P	10 20 17.8 +5.8
KSH	Kashi	19.05 48	P	P	10 24 57.3 +0.1
KSH	Kashi	19.05 48	P	P	10 16 51.5 -4.0
KSH	Kashi	19.05 48	P	P	10 16 59.0 -0.7
KSH	Kashi	19.05 48	P	P	10 17 02.4 +0.7
KSH	Kashi	19.05 48	P	P	10 17 06.6 -2.3
KSH	Kashi	19.05 48	P	P	10 20 13.0 -1.7
KSH	Kashi	19.05 48	P	P	10 20 17.8 +5.8
KSH	Kashi	19.05 48	P	P	10 24 57.3 +0.1
KSH	Kashi	19.05 48	P	P	10 16 51.5 -4.0
KSH	Kashi	19.05 48	P	P	10 16 59.0 -0.7
KSH	Kashi	19.05 48	P	P	10 17 02.4 +0.7
KSH	Kashi	19.05 48	P	P	10 17 06.6 -2.3
KSH	Kashi	19.05 48	P	P	10 20 13.0 -1.7
KSH	Kashi	19.05 48	P	P	10 20 17.8 +5.8
KSH	Kashi	19.05 48	P	P	10 24 57.3 +0.1
KSH	Kashi	19.05 48	P		



ISCJB 14 11:25:06.6.0.4, 24.222S, 0.04:179.93E, 0.08, h517km, mb3.9/21, Error ellipse: s-maj=10.0km s-min=4.9km az=179.2

WEL 14 11:25:09.9.1.4, 25.5.13.17.8W, 5.9, h606km, 18km ISC 14 11:25:07.4.0.5, 24.345S, 0.06:179.86E, 0.08, h517km, n70, c=185/81, mb4.0/21, South of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various stations like RIZ, RAO, GLKZ, DZM, KUZ, AFI, etc.

ISC 14 11:26:23.5, 37.55N, 36.25E, h7km, ML2.4/8 CSEM 14 11:26:24.8, 0.3, 37.46N, 36.22E, h5km, ML2.8, Error ellipse: s-maj=6.2km s-min=3.2km az=17.0

DDA 14 11:26:24.6, 37.42N, 36.21E, h7km, ML2.8 ISC 14 11:26:24.5, 0.9, 37.43N, 0.03:36.25E, 0.02, h13km, 7km, n32, c=68/48, Turkey

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

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

DDC 14 11:51:09.2.2, 39.45N, 143.53E, h0km, mb3.6/4, mb1.3.6/6, mb1mx3.3/71, mbtrmp3.6/6, ML2.2/2, Error ellipse: s-maj=57.4km s-min=25.4km az=81.0

JMA 14 11:51:11.3.0.2, 39.46N, 143.55E, h28km, 4km, M3.5 ISC 14 11:51:13.3.0.4, 39.50N, 0.05:143.45E, 0.09, h23km, 23km, n21, c=117/31, mb3.7/4, Off east coast of Honshu

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

ISCJB 14 12:03:40.1, 0.8, 39.91N, 0.04:33.09E, 0.06, h0km, Error ellipse: s-maj=7.8km s-min=5.3km az=142.8

CSEM 14 12:03:40.7, 0.2, 39.89N, 33.06E, h10km, ML2.4, Error ellipse: s-maj=5.0km s-min=3.1km az=55.0

ISK 14 12:03:40.2, 39.89N, 33.05E, h10km, ML2.4/5, Suspected Mining explosion

DDA 14 12:03:41.9, 39.83N, 32.84E, h19km, M12.6 ISC 14 12:03:41.3, 39.89N, 0.03:33.07E, 0.03, h0km, n22, c=87/27, Turkey

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

GUC 14 12:06:45.9, 0.8, 20.64S, 68.94W, h11km, 4km, ML3.7, 7C-2D, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like PB08, PB09, etc.

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

IGQ 14 12:19:49.5, 0.7, 0.0N, 5.8W, h12km, MLV4.1/9 ISC 14 12:19:48.9, 2.7, 0.14N, 0.06:80.1W, 0.1, h5km, 17km, n32, c=97/40, Near coast of Ecuador

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

NNC 14 12:22:13.2, 7.3, 37.62N, 69.91E, h0km, mb3.6, mpv3.2, 6C-1D, Error ellipse: s-maj=55.4km s-min=41.9km az=1.0, Afghanistan-Tajikistan border region

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

ISCJB 14 12:22:23.6, 0.3, 4.70S, 0.05:154.48E, 0.06, h450km, mb3.8/28, Error ellipse: s-maj=8.4km s-min=6.2km az=178.4

NEIC 14 12:22:25.5, 0.6, 4.78S, 154.65E, h464km, 7km, mb4.2/11, Error ellipse: s-maj=13.4km s-min=8.5km az=115.0

DDC 14 12:22:25.6, 1.6, 4.78S, 154.52E, h460km, 20km, mb3.5/21, mb1.3.6/24, mb1mx3.5/57, mbtmp4.4/24, Error ellipse: s-maj=14.2km s-min=8.8km az=87.0

ISC 14 12:22:24.8, 0.4, 4.75S, 0.06:154.0E, 0.07, h450km, n50, c=126/55, mb3.8/28, Bougainville-Solomon Islands region

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

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like KMI Kunming, HHC Hu-ho-hao-te, CD2 Chengdu, etc.

ISCJB 14 12:31:29.5:0.3,36.59N:103.70E:0.05,118km, mb3.9/16, Error ellipse: s-maj=5.3km s-min=3.8km az=166.5

IDC 14 12:31:29.3:2.5,36.35N:70.86E,1188km,23km,mb3.6/17, m1 3.7/22, mb1mx3.4/72, mbtmp4.2/22, Error ellipse: s-maj=16.5km s-min=11.2km az=21.0

NCC 14 12:31:35.2:2.8,36.95N:70.83E,1197km,30km,mb3.5, m24.6/16, Error ellipse: s-maj=27.0km s-min=22.1km az=38.0

ISC 14 12:31:30.3:0.5,36.60N:105.70E:0.06,1188km,n57, a128/66,mb3.9/16,8C-7D,Hindu Kush region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Res, ISC. Includes stations like CEP Cherat, CHCP Chirah Chowk, THW Thamme Wali, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Res, ISC. Includes stations like HFS Hagfors, NB2 NORSTAR Subarra, NOA NORSTAR Array, etc.

ASRS 14 12:43:38.6:1.4,51.20N:96.21E,h8km,Ms3.0/2 MOS 14 12:43:48.2:6.51,88N:95.95E,h12km,mb4.0/1, Error ellipse: s-maj=15.3km s-min=10.9km az=140.6

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Res, ISC. Includes stations like TDJR Todzha, ORL Orlik, CERR Cheresushki, etc.

KRSC 14 13:22:45.4:1.2,49.41N:156.70E,h50km,21km,ML3.8, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, KDR Khodutka, MIPR Malaya Ipe'l'ka, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Res, ISC. Includes stations like SALB comp=N,48um,1.3s, SALB comp=E,65um,1.3s, CELI comp=N,48um,1.3s, etc.

IDC 14 13:28:59.2:9.3,23N:84.74W,h0km,mb3.6/5,mb1 4.1/7, mb1mx3.7/42, mbtmp3.8/7, ML2.0/1, MS3.0/3, ms1m2.6/7/33, Error ellipse: s-maj=54.6km s-min=50.6km az=148.0

ISCJB 14 13:29:03.1:0.9,3.3N:0.1:1.842W:0.1,h42km,mb3.6/5, Error ellipse: s-maj=23.9km s-min=5.4km az=144.3

IGO 14 13:29:14.7:1.4,3.3N:22.84W:1.4,h12km,ms5.0/6, ms5.0/2, MLV4.8/3, Mw(MB)4.3/6

ISC 14 13:29:04.5:1.2,3.2N:0.1:1.842W:0.1,h42km,n24, a221/24,mb3.5/5,Off coast of central America

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Res, ISC. Includes stations like MAG1 Magdalenia, OTAV Otavalo, CUIC Cuicocha-Domo, etc.

ATH 14 13:34:31.9:3,34.08N:26.30E,h15km,6km,ML2.5/2, Error ellipse: s-maj=8.3km s-min=2.7km az=25.0

CSEM 14 13:34:32.3:1.0,34.18N:26.53E,h15km,ML2.7, Error ellipse: s-maj=21.2km s-min=17.6km az=82.0

THE 14 13:34:34.6,34.17N:26.45E,h18km,29km,ML2.75, Error ellipse: s-maj=36.8km s-min=2.5km az=136.0

ISC 14 13:34:28.9:2.5,34.0N:0.1:1.264E:0.07,h18km,7km,n33, a134/34,Crete

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Res, ISC. Includes stations like ZKR Zakros, ZKR Zakros, ZKR Zakros, etc.













Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MLR, TESR, PDGK, VOIR, DOPR, VTS, BRVK, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like TORLO, PNCD, BOD, SPITS, etc.

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

ISK 14 17:51:07.3,38°54N-39°52E, h20km, ML3.4/26
ISCJB 14 17:51:08.5,38°54N-39°51E, h7km, ML3.5,
Error ellipse: s-maj=3.3km s-min=2.8km az=175.9
CSEM 14 17:51:08.7,38°56N-39°53E, h2km, ML3.4, Error
ellipse: s-maj=3.7km s-min=3.2km az=172.0

Table with 4 columns: CORM Corum, 4.11 295 PN, Pn, 17 52 13.2 +0.8

BUI 14 17:57:09.8, 22:66N:100:37E, h11km, ML3.4/6, Ms3.6/2, Ms7.3/4/2
ISCJB 14 17:57:10.9-0.8, 22:78N:0:08:100:4E:0:1, h10km, mb3.5/6, MS3.3/5, Error ellipse: s-maj=16.0km

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC, Pn, S, ISC

ISCJB 14 18:05:24.0-0.4, 30:54N:0:04:51:68E:0:05, h10km, mb3.4/7, Error ellipse: s-maj=7.3km s-min=3.9km az=148.4
IDC 14 18:05:24.8:1.4, 30:49N:51:65E, h0km, mb3.5/6, mb1.3/7/11, mb1mx3.5/65, mbtmp3.6/11, ML3.5/1, Ms1.2/7/1, ms1mx2.1/58, Error ellipse: s-maj=29.4km s-min=20.2km az=168.0

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC, Pn, S, ISC

ISC 14 18:05:26.8:0.6, 30:61N:0:04:51:79E:0:05, h10km, n67, az=164/71, mb3.5/7, Northern and central Iran
ISC 14 18:05:24.2:9.9, 31:06N:52:18E, h16km, 999km, Error ellipse: s-maj=3605.0km s-min=87.7km az=326.0

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC, Pn, S, ISC

Table with 4 columns: MSFE Esma-Masafi, 6.50 143 Pn, Pn, 18 07 02.6 0.0

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC, Pn, S, ISC

IDC 14 18:12:53.8:2.0, 17:84S:167:40E, h0km, mb4.0/5, mb1.4/1/6, mb1mx3.7/47, mbtmp4.0/6, ML3.5/1, Error ellipse: s-maj=54.3km s-min=32.1km az=126.0

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC, Pn, S, ISC

IDC 14 18:19:35.5:2.2, 21:47S:66:61W, h217km, 27km, mb3.1/1, mb1.3/0/4, mb1mx2.9/37, mbtmp3.5/4, Error ellipse: s-maj=46.8km s-min=23.2km az=112.0, Southern Bolivia

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC, Pn, S, ISC

MAN 14 19:10:26.1, 10:51N:122:28E, h4km, mb4.0, ML2.8, MS2.4, 3C, Panay

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC, Pn, S, ISC

NIED 14 19:19:00.36:80N:141:30E, h8km, Mw3.8 Best double couple: M6.04000x1014 NP1x+152.00000, 842.00000, lambda=116.00000, NP2x+4.00000, 853.00000, lambda=69.00000
ISCJB 14 19:19:23.6:1.0, 36:71N:0:03:141:39E:0:06, h19km, 6km, mb4.0/27, MS4.2/1, Error ellipse: s-maj=7.9km s-min=5.1km az=21.6

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC, Pn, S, ISC

Table with 4 columns: JUNO, 0.2nm, 0.3s, baz=202, slow=11, SNR=2.7

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC, Pn, S, ISC

ISC 14 19:28:37.4, 0:70N:126:44E, h25km, mb4.8/34, mb5.0/22, Ms4.5/5, Ms7.4/4

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC, Pn, S, ISC

IDC 14 19:28:42.8:4.6, 31:168N:78:03E, h0km, mb3.3/3, mb1.3/4/6, mb1mx3.4/70, mbtmp3.3/6, ML3.0/3, MS3.6/1, Ms1.3/6/11, ms1mx2.5/46, Error ellipse: s-maj=115.3km s-min=64.7km az=76.0

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC, Pn, S, ISC

ISC 14 19:28:59.2:1.5, 32:83N:0:08:79.6E:0:2, h10km, n8, az=273/8, mb3.3/3, Kashmir-Xizang border region

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC, Pn, S, ISC

BUI 14 19:28:37.4, 0:70N:126:44E, h25km, mb4.8/34, mb5.0/22, Ms4.5/5, Ms7.4/4

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC, Pn, S, ISC

mb5.3/17,mb5.4/15,MLv5.0/16,Mv(mB)4.8/15
GCMT 14 19:28:47.0,0.3,1.36N,126.34E,h35km,1km,MW4.8/7.1,
Moment Tensor Solution, s26,c29; s71,c96; Duration:
0 Moment tensor: Scale 10^19Nm; Mir:9.62; 20;
Mw0.68; 12; Mw-1.64; 14; Mw-0.32; 13; Mw-1.99; 09;
Mw0.02; 17; Best double couple: Mw2.34900; 1016
NP1:253.00000; 860.00000; 166.00000; NP2:
0.346.00000; 876.00000; 111.00000; Principal axes: T
1.9090, Plg17.00000; Azm29.00000; N 0.8810,
Plg73.0000; Azm37.00000; P -2.7900, Plg2.00000;
Azm300.0000; nst1a refers to body waves, cutoff=40s.
nst2a refers to surface waves, cutoff=50s.

NEIC 14 19:28:47.0,0.7,1.29N,126.34E,h50km,6km,mb5.0/68
Error ellipse: s-maj=5.7km s-min=4.0km az=55.0
ISC 14 19:28:47.2,0.7,1.31N,126.34E,0.04,h50km,6km,
m353,0151/370,mb4.9/162,20C-16D,Northern Molucca
Sea

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

Table with columns: STA, Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations and their coordinates and phases.

Table with columns: STA, Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations and their coordinates and phases.



Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, h m s, Res, h m s, Res. Includes stations like KURK Kurchatov, NVS Novosibirsk, SEY Seymchan, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, h m s, Res, h m s, Res. Includes stations like KLMR Klimovskoe, ESPY Espiye-Giresun, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, h m s, Res, h m s, Res. Includes stations like UOSS Minazif, UOSS Minazif, IPAR Pars, etc.

DSN 14 19:32:49.0 ± 1.2, 27:57N:53:46E, h26km, ML3.9/7, Error ellipse: s-maj=19.6km s-min=7.4km az=11.0
ISCJJB 14 19:32:56.5 ± 0.4, 26:99N:03:53:96E, h10km, Error ellipse: s-maj=5.4km s-min=3.8km az=135.8

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, h m s, Res, h m s, Res. Includes stations like Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, h m s, Res.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KURS, SHLS, KPKS, EKS2, PDGK, KTBS, CHKK, KUU, MRKS, ARXS, MNAS, DJR, KAPS, KK31.

NNC 14 19:47:17.6:4.0,38.88N:71.24E,h0km,mb3.6,mpv3.2, Error ellipse: s-maj=31.7km s-min=25.3km az=8.0

KRNET 14 19:47:18.9:0.1,39.21N:71.44E,h13km,mb2.9, Error ellipse: s-maj=105.3km s-min=14.1km az=302.0

ISC 14 19:47:20.6:2.3,39.3N:0.1:71.53E:0.05,h9km,11km,n22, s-maj=2567/36,22C-8D,Tajikistan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DRK, BTX, SFK, ARSB, ARK, MNAS, AML, UCH, EKS2, KK31, KZA, AAK, KBK.

IDC 14 19:56:02.6:2.0,17.62S:167.49E,h0km,mb3.7/3, mb1 3.9/4,mb1mx3.5/45,mbtmp3.7/4,ML3.6/1,MS2.9/1, Mb1 2.9/1,ms1mx2.4/41, Error ellipse: s-maj=67.3km s-min=32.1km az=123.0,Vanuatu Islands

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GUMO, ILAR, IDC, THJR, OMAN, CSEM, DSN, ISC.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JHRM, GHIR, BND, SHME, IBND, BANOM, NAZ, MSFE, NIAN, MDH, KHKS, KHSK, IPAR, HATD, IKAZ, ALNE, NGRK, NGRK, SOHO, KRBR, KRBR, KRBR, KHGB, KHGB, IMEH, IMEH, IMEH, IRAM, IRAM, IRAM, WSAR, WSAR, NASN, IZEF, IZEF, WHFO, WHFO, WHFO, GNI, GNI, EIL, ATD, KVAR, BRTR, AAK, AAK.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AKTO, BVAR, BVAR, MLR, MKAR, KURBE, ZALV, ZALV, FINES, COMAR, SONGIO, ESDD, TORD, YKA, ASAR.

MAN 14 21:02:15.2,6.85N:126.42E,h22km,mb4.5,ML3.4,MS3.2, 3C,Minnao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MATI, DMPH, BIPH, KCP.

IDC 14 21:04:21.4:1.7,9.63S:117.49E,h0km,mb3.7/5, mb1 3.7/7,mb1mx3.4/57,mbtmp3.6/7,ML3.3/2,MS3.3/1, Ms1 3.3/1,ms1mx2.4/50, Error ellipse: s-maj=67.5km s-min=21.8km az=47.0

ISCJB 14 21:04:28.2:0.7,9.69S:0.07:117.86E:0.05,h35km, mb3.8/4,MS3.3/1, Error ellipse: s-maj=11.5km s-min=5.4km az=27.5

DJA 14 21:04:30.5:1.1,10.5S:111.8E:1.1,h21km,8km,M4.1/10, ML4.1/10

ISC 14 21:04:28.4:0.9,9.56S:0.09:117.84E:0.05,h35km,n17, s-maj=237/19,mb3.8/4,Sumbawa region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PLA, TW, WBS, WSI, DNP, IGBI, SRBI, JAGI, BATI, WRA, ASAR, JCJ, USRK, SONM, MKAR, KURBAT, YKA.

IDC 14 21:06:12.5:5.5,7.11S:129.83E,h142km,72km,mb3.2/1, mb1 2.9/4,mb1mx2.7/54,mbtmp3.3/4, Error ellipse: s-maj=140.9km s-min=24.2km az=80.0,Banda Sea

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

NIED 14 21:07:00.37:00N:141.40E,h5km,Mw3.4, Best double couple: M1.39000:1014 NP1:339.00000, 850.00000, lambda=129.00000, NP2:210.00000, 654.00000, lambda=53.00000

ISCJB 14 21:07:45.0:1.1,37.02N:0.03:141.52E:0.05,h8km,6km, mb3.5/7, Error ellipse: s-maj=6.4km s-min=5.1km az=18.4

IDC 14 21:07:45.8:1.1,37.05N:141.40E,h0km,mb3.6/7, mb1 3.6/10,mb1mx3.5/73,mbtmp3.6/10,ML3.3/3,MS2.5/2, Ms1 2.5/2,ms1mx2.2/57, Error ellipse: s-maj=28.1km s-min=19.5km az=88.0

JMA 14 21:07:47.5:0.1,37.04N:141.40E,h28km,1km,M3.7, ISC 14 21:07:47.4:1.1,37.07N:0.04:141.06E:0.07,h12km,11km, n27, s-maj=309/309,slow=2.0,SNR=4.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ONAJ, JFK, JHO, JMM, JFT, JSB, JFY, JIO, JOU, MJAR, MJAR, MJAR, MAT, JHJ, JHJ.



CSEM 14 21:49:20.7,0.1,41.53N-20.28E,h2km,ML2.9,Error ellipse: s-maj=4.5km s-min=2.5km az=50.0  
 THE 14 21:49:20.5,41.57N-20.34E,h0km,2km,ML2.5/5,Error ellipse: s-maj=2.5km s-min=0.8km az=257.0  
 PDG 14 21:49:20.6,0.3,41.47N-20.18E,h3km,1km,ML2.9/4,Error ellipse: s-maj=1.1km s-min=1.2km az=0.0  
 SKO 14 21:49:21.1,41.48N-20.39E,h8km,M1.9,ML2.5  
 ISC 14 21:49:20.3,1.1,41.50N-02.02-20.27E,0.02,h1km,10km,n82,c0990/129,13C-4D,Albania

KUBS Kucevo 3.09 19 ePn Pn 21 50 10.5 +0.3  
 KUBS Kucevo 3.09 19 ePn Pn 21 50 10.5 +0.3  
 TEKS Tekeris 1.30 350 ePn Pn 21 50 11.2 +0.9  
 TEKS Tekeris 1.30 350 ePn Pn 21 50 11.2 +0.9  
 BZS Buzlas 4.23 13 ePn Pn 21 50 24.9 -1.0  
 BZS Stephens Creek 4.23 13 ePn Pn 21 50 24.9 -1.0  
 NVLI Novalja 5.00 310 ePn Pn 21 50 35.2 -1.2  
 NVLI Novalja 5.00 310 ePn Pn 21 51 32.6 -2.3

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC  
 IDC 14 21:53:21.6,17.0,4.42S-153.35E,h157km,160km,mb3.6/4,mb1.3/8,mb1mx3.2/46,mbtmp4.0/4,MS2.9/4,MS1 2.9/4,ms1mx2.7/34,Error ellipse: s-maj=76.0km s-min=49.9km az=128.0,New Ireland region

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC  
 PMG Port Moresby 7.89 231 S Op Pn 21 56 37.1 -4.6  
 1.5nm,0.3s,baz=127,slow=19,SNR=3.1  
 PMG comp=Z,75nm,18.8s,baz=19,slow=40 LR LR 21 58 39.5  
 HNR Honiara 8.22 128 LR LR 21 58 40.8  
 1.5nm,0.3s,baz=127,slow=19,SNR=3.1  
 GUMO Guam 19.77 335 LR LR 21 58 35.8  
 1.5nm,0.3s,baz=127,slow=19,SNR=3.1  
 WRA Warrangama Arr 24.10 229 P P 21 58 23.0 0.0  
 6.0nm,0.6s,baz=52,slow=72,SNR=7.2  
 ASAR Alice Springs 26.80 223 P P 21 58 47.4 +0.1  
 0.4nm,0.5s,baz=56,slow=8,SNR=6.2  
 STKA Stephens Creek 29.45 201 P P 21 59 10.6 -0.2  
 2.8nm,0.7s,baz=37,slow=10,SNR=13  
 MJAR Matsushiro Arr 43.14 342 LR LR 21 58 57.3  
 comp=Z,19nm,18.8s,baz=85,slow=36  
 ILAR Eielson Array 81.61 22 P P 22 05 21.6 0.0  
 0.4nm,0.6s,baz=250,slow=5.8,SNR=3.6  
 TORD Torodi Ar. Bea 150.71 289 PKPbc PKPbc 22 12 56.1 -0.2  
 0.7nm,0.8s,baz=59,slow=2.4,SNR=3.6

IDC 14 22:09:34.9,3.1,67.45N-18.65W,h0km,mb3.5/4,mb1 3.7/6,mb1mx3.3/62,mbtmp3.6/6,ML2.9,MS3.5/3,MS1 3.4/3,ms1mx2.8/42,Error ellipse: s-maj=68.1km s-min=23.7km az=127.0  
 ISC 14 22:09:36.1,2.6,67.5N-03.17W,0.3,h10km,n10,c1818/h,mb3.5/4,MS3.5/3,Iceland region

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC  
 BORG Borgarnes 2.95 203 Op Pn 22 10 21.7 -1.1  
 0.6nm,0.3s,baz=20,slow=7.0,SNR=2.1  
 BORG Bz=34.3 Sn Sn 22 10 59.1 +0.9  
 3.2nm,0.3s,baz=45,slow=20,SNR=5.4  
 HFS Hagfors 15.90 102 Pn Pn 22 13 22.1 -1.1  
 1.1nm,0.3s,baz=304,slow=5,SNR=5.5  
 FINES FINES Array B 19.82 86 P P 22 14 05.2 -1.2  
 0.1nm,0.3s,baz=308,slow=12,SNR=4.2  
 GERES GERES Array B 24.81 123 P P 22 14 57.6 -0.4  
 0.6nm,0.6s,baz=332,slow=5,SNR=11  
 KEST Keskin Array B 35.59 139 LR LR 22 31 22.8  
 comp=Z,84nm,18.4s,baz=198,slow=37  
 BRTR Keskin Array B 39.73 107 LR LR 22 17 09.8 +1.3  
 0.5nm,0.8s,baz=350,slow=7.9,SNR=2.3  
 KBZ Khabaz 39.77 95 LR LR 22 32 58.4  
 comp=Z,82nm,21.1s,baz=346,slow=39  
 ZALV Zalesovo Beam 46.27 53 LR LR 22 42 23.9  
 comp=Z,26nm,18.2s,baz=229,slow=42  
 KURB Kurchatov Arra 47.18 50 P P 22 18 08.0 +0.3  
 0.3nm,0.6s,baz=334,slow=7.5,SNR=2.8  
 TORD Torodi Ar. Bea 55.12 156 P P 22 19 14.4 +0.5  
 0.4nm,0.8s,baz=351,slow=8.8,SNR=3.2

ISCJB 14 22:11:18.9,1.0,67.61N-0.09-19.3W,0.3,h10km,mb3.4/4,MS3.1/5,Error ellipse: s-maj=17.6km s-min=9.7km  
 IDC 14 22:11:19.3,1.3,67.58N-19.14W,h0km,mb3.4/4,mb1 3.7/6,mb1mx3.3/61,mbtmp3.6/6,ML3.3/2,MS3.2/7,MS1 3.3/7,ms1mx2.9/40,Error ellipse: s-maj=26.7km s-min=23.5km az=14.0  
 ISC 14 22:11:20.5,1.1,67.6N-0.1-19.0W,0.1,h10km,n11,c1817/h,mb3.5/4,MS2.9/4,Iceland region

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC  
 BORG Borgarnes 2.98 199 Op Pn 22 12 07.0 -0.7  
 3.9nm,0.3s,baz=81,slow=7.3,SNR=3.0  
 BORG Sn Sn 22 12 43.7 +0.2  
 2.6nm,0.3s,baz=162,slow=20,SNR=2.8  
 NOA NORS Array B 14.53 102 LR LR 22 19 18.2  
 comp=Z,116nm,20.0s,baz=320,slow=33  
 HFS Hagfors 16.05 120 Pn Pn 22 15 09.0 -0.4  
 0.2nm,0.3s,baz=320,slow=6.4,SNR=5.7  
 HFS Sn Sn 22 20 04.4  
 FINES FINES Array B 19.95 86 P P 22 15 52.8 -1.2  
 2.1nm,0.6s,baz=294,slow=10,SNR=9.6  
 FINES Sn Sn 22 22 56.7  
 GERES GERES Array B 24.97 123 LR LR 22 21 48.1 +2.2  
 2.2nm,0.9s,baz=326,slow=8.3,SNR=6.6  
 GERES LR LR 22 25 44.7  
 comp=Z,19nm,20.1s,baz=329,slow=35  
 AKASA Malin Array Be 28.94 101 P P 22 17 19.4 0.0  
 0.3nm,0.4s,baz=330,slow=9.5,SNR=2.8  
 MLR Muntele Rosu 32.08 111 LR LR 22 30 07.7  
 comp=Z,24nm,20.8s,baz=350,slow=35  
 YKA Yellowknife Ar 36.82 310 P P 22 18 28.2 +0.2  
 0.2nm,0.8s,baz=43,slow=8.5,SNR=2.6  
 BRTR Keskin Array B 39.89 107 LR LR 22 38 41.0  
 comp=Z,21nm,18.7s,baz=288,slow=41  
 KURB Kurchatov Arra 47.18 50 P P 22 19 52.6 0.0  
 0.3nm,0.6s,baz=335,slow=6.9,SNR=3.6  
 APG El Apazote 69.17 259 LR LR 22 53 58.1  
 comp=Z,37nm,18.0s,baz=96,slow=37

ISCJB 14 22:17:50.0,0.8,28.01N-0.09-51.7E,0.1,h16km,mb3.6/5,MS3.6/5,Error ellipse: s-maj=16.5km s-min=7.8km  
 TEH 14 22:17:49.3,27.96N-51.11E,h10km,ML3.2  
 IDC 14 22:17:49.9,1.6,28.20N-51.74E,h0km,mb3.7/5,mb1 3.7/7,mb1mx3.4/57,mbtmp3.6/7,ML3.1/2,MS3.6/3,MS1 3.6/3,ms1mx2.7/54,Error ellipse: s-maj=37.9km s-min=28.3km az=23.0  
 ISC 14 22:17:52.0,0.9,28.03N-0.07-51.67E,0.08,h16km,n15,c0877/14,mb3.6/5,MS3.4/3,Southern Iran

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC  
 IKAZ Kazeroun 1.75 5 ePn Pn 22 18 21.5 -0.5  
 IKAZ eSg Pn 22 18 49.3 +0.8  
 IKAZ eAMB AMB 22 18 51.2  
 JHRM Jahrom 1.75 74 ePn Pn 22 18 26.0 +0.3  
 IPAR Pars 2.17 34 ePn Pn 22 18 31.7 +0.5  
 IPAR eAMB AMB 22 19 06.0  
 IRAM Ramesheh 3.82 9 ePn Pn 22 18 49.8 -0.6  
 IRAM eAMB AMB 22 19 06.0  
 IZEF Zefreh 4.88 7 eAMB AMB 22 19 06.2  
 IZEF ePn Pn 22 19 04.9 -0.2  
 WSAR Wadi Sarin 7.89 126 Pn Pn 22 19 46.7 +0.5  
 WSAR Sn Sn 22 21 14.7 -0.4  
 comp=Z,0.4nm,0.3s,baz=283,slow=14,SNR=6.0  
 BRTR Keskin Array B 18.94 313 P P 22 22 13.7 +1.2  
 0.5nm,0.3s,baz=115,slow=11,SNR=2.9  
 MKAR Makanchi Array 30.42 44 P P 22 24 02.6 -1.0  
 comp=Z,0.2nm,0.6s,baz=238,slow=8.0,SNR=3.2  
 KMBO Kilima Mbogo 32.13 208 LR LR 22 28 30.0  
 comp=Z,4.5nm,18.0s,baz=92,slow=38  
 FINES FINES Array B 37.53 340 P P 22 25 03.8 -1.2  
 comp=Z,1.6nm,0.7s,baz=114,slow=9.2,SNR=4.8  
 HFS Hagfors 41.11 332 P P 22 25 33.6 -1.3  
 comp=Z,4.0nm,1.0s,baz=122,slow=9.0,SNR=3.3  
 SONM Songo Array 46.42 LR LR 22 46 32.7  
 comp=Z,39nm,18.3s,baz=286,slow=37  
 TORD Torodi Ar. Bea 48.74 263 P P 22 26 37.0 +0.7  
 comp=Z,0.3nm,0.5s,baz=157,slow=7.7,SNR=3.9  
 BATI Batumi 79.24 106 LR LR 22 08 58.3  
 comp=Z,100nm,18.3s,baz=183,slow=39  
 YKA Yellowknife Ar 89.12 354 P P 22 30 46.5 +0.2  
 comp=Z,0.2nm,0.6s,baz=13,slow=5.5,SNR=5.5

ISC 14 22:23:10.5,38.38N-39.01E,h5km,ML3.1/22  
 ISCJB 14 22:23:11.3,0.4,38.37N-0.02-39.01E,0.02,h4km,3km,Error ellipse: s-maj=3.2km s-min=2.7km az=167.2  
 CSEM 14 22:23:11.7,0.1,38.38N-39.02E,h5km,ML3.3,Error ellipse: s-maj=3.9km s-min=3.1km az=174.0  
 ATA 14 22:23:11.5,1.2,38.45N-39.01E,h16km,10km,ML3.8,MMV3.8  
 DDA 14 22:23:11.4,38.39N-39.01E,h11km,ML3.3  
 ISC 14 22:23:11.8,0.9,38.39N-02.39-01E,0.02,h8km,7km,n113,c0929/139,1C-1D,Turkey

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC  
 ELZG Elazig 1.11 349 Op Pn 22 23 14.7 +0.2  
 ELZG iS Pn 22 23 16.8 +0.3  
 ELZG Elazig 0.11 349 P P 22 23 14.7 +0.2  
 SVRC Sivrice-ELAZID 0.23 92 PG Sg 22 23 15.8 -0.7  
 SVRC Sivrice-ELAZID 0.23 92 PG Sg 22 23 19.4 -0.3  
 SVRC Sivrice-ELAZID 0.23 92 ePn Pn 22 23 15.8 -0.7  
 SVRC Sivrice-ELAZID 0.23 92 ePn Pn 22 23 19.4 -0.3  
 MALT Malatya 0.47 261 PG Sg 22 23 20.5 -0.4  
 MALT PG Sg 22 23 27.4 +0.4  
 PTK Perek 0.59 30 PG Pn 22 23 22.4 -0.8  
 PTK Perek 0.59 30 PG Pn 22 23 22.4 -0.8  
 TNCL Tunceli-Merkez 0.84 29 ePn Pn 22 23 26.3 -1.0  
 TNCL eS Pn 22 23 29.2 +0.3  
 comp=Z,392nm,0.9s IAML  
 TNCL Tunceli-Merkez 0.84 29 iS Pn 22 23 26.8 -1.2  
 TNCL iS Pn 22 23 29.7 -0.5  
 TNCL Tunceli-Merkez 0.84 29 P Pn 22 23 26.8 -1.2  
 TNCL P Pn 22 23 29.7 -0.5  
 AKCD Akcadag 0.86 264 iS Pn 22 23 27.7 -0.7  
 AKCD Akcadag 0.86 264 P Pn 22 23 27.7 -0.7  
 AKCD Akcadag 0.86 264 P Pn 22 23 27.7 -0.7  
 AKCD Akcadag 0.86 264 P Pn 22 23 27.7 -0.7  
 URFA Urfa 0.96 189 PG Pn 22 23 28.9 -1.3  
 URFA iS Pn 22 23 31.4 +0.4  
 HEKM Malatya\_Hekimh 0.96 301 iS Pn 22 23 28.7 -0.7  
 HEKM HEKM Pn 22 23 44.0 +0.2  
 HEKM Malatya\_Hekimh 0.96 301 P Pn 22 23 29.6 -0.7  
 HEKM HEKM Pn 22 23 44.0 +0.2  
 KEMA Kemaliye 0.97 335f ePn Pn 22 23 29.4 -1.1  
 KEMA Kemaliye 0.97 335f ePn Pn 22 23 37.0 -0.4  
 KEMA Kemaliye 0.97 335f ePn Pn 22 23 29.6 -0.9  
 KEMA Kemaliye 0.97 335f ePn Pn 22 23 43.5 -0.4  
 KEMA Kemaliye 0.97 335f ePn Pn 22 23 29.6 -0.9  
 KEMA Diyarbakir 0.99 118 iS Pn 22 23 43.5 +0.4  
 DIYA Diyarbakir 0.99 118 P Pn 22 23 30.7 -0.1  
 DIYA Diyarbakir 0.99 118 P Pn 22 23 44.8 +0.4  
 REFA Refahiye\_ERZ 1.03 349 eS Pn 22 23 09.6 +6.9  
 REFA eS Pn 22 24 02.1 +1.4  
 comp=Z,40nm,0.5s IAML  
 REFA Refahiye\_ERZ 1.03 349 iP Pn 22 23 38.9 +7.0  
 HANI Diyarbakir\_Han 1.09 88 iP Pn 22 23 31.7 -1.1  
 HANI Diyarbakir\_Han 1.09 88 iP Pn 22 23 31.7 -1.1  
 ILIC ilic-Erzincan 1.12 342 SN Sg 22 23 32.3 -0.0  
 ILIC ilic-Erzincan 1.12 342 SN Sg 22 23 32.3 -0.0  
 ILIC ilic-Erzincan 1.12 342 eS Pn 22 23 32.3 -1.0  
 ILIC ilic-Erzincan 1.12 342 eS Pn 22 23 32.3 -1.0  
 SANL SANLIURFA\_Merk 1.21 181 iS Pn 22 23 34.7 -0.4  
 SANL SANLIURFA\_Merk 1.21 181 iS Pn 22 23 51.3 +0.4  
 SANL SANLIURFA\_Merk 1.21 181 P Pn 22 23 34.7 -0.4  
 SANL SANLIURFA\_Merk 1.21 181 P Pn 22 23 51.3 +0.4  
 DARE Darende-Malatya 1.21 279 PN Pn 22 23 33.7 -1.4  
 DARE Darende-Malatya 1.21 279 eS Pn 22 23 33.7 -1.4  
 DARE Darende-Malatya 1.21 279 eS Pn 22 23 33.7 -1.4  
 DARE Darende-Malatya 1.21 279 eS Pn 22 23 33.7 -1.4  
 BING BINGOL 1.26 67 ePn Pn 22 23 35.1 +0.3  
 ERZ Erzincan 1.32 25 ePn Pn 22 23 35.3 -1.4  
 EZC Erzincan 1.39 11 ePn Pn 22 23 35.3 -2.4  
 CUGUR Gurin\_SVAS 1.41 284 iP Pn 22 23 40.0 +1.2  
 CUGUR Gurin\_SVAS 1.41 284 P Pn 22 23 40.0 +1.2  
 EUZM Uzumlu 1.42 22 ePn Pn 22 23 37.6 -0.5  
 EUZM Uzumlu 1.42 22 ePn Pn 22 23 38.7 +0.7  
 comp=Z,29nm,0.6s IAML  
 EUZM Uzumlu 1.42 22 iP Pn 22 23 38.8 +0.1  
 EUZM Uzumlu 1.42 22 iP Pn 22 23 38.8 +0.1  
 BGOL Bingol 1.43 65 iP Pn 22 23 38.6 -0.2  
 BGOL Bingol 1.43 65 Pn Pn 22 23 38.6 -0.2  
 BNGB BNGB 1.44 65 PN Pn 22 23 38.3 0.0  
 ELBS KAHRAMANMARAS 1.48 268 iP Pn 22 23 39.5 -0.2  
 ELBS KAHRAMANMARAS 1.48 268 Pn Pn 22 23 39.5 -0.2  
 EKAN kangal\_SIVAS 1.52 304 iP Pn 22 23 39.9 +0.4  
 CUKAN kangal\_SIVAS 1.52 308 Pn Pn 22 23 39.9 +0.4  
 SURC SANLIURFA\_SURC 1.54 192 iP Pn 22 23 39.4 -0.2  
 SURC SANLIURFA\_SURC 1.54 192 Pn Pn 22 23 39.4 -0.2  
 YEDI Yedisu-Bingol 1.59 48 ePn Pn 22 23 40.8 +0.3  
 YEDI Yedisu-Bingol 1.59 48 ePn Pn 22 23 40.8 +0.3  
 SVAN Silvan-Diyarba 1.74 97 PN Pn 22 23 41.9 -0.4  
 SVAN Silvan-Diyarba 1.74 97 iP Pn 22 23 42.1 -0.2  
 SVAN Silvan-Diyarba 1.74 97 Pn Pn 22 23 42.1 -0.2  
 MARD Mardin 1.76 127 iP Pn 22 23 42.1 -0.6  
 BING BINGOL 1.77 71 ePn Pn 22 23 44.7 +0.2  
 BING BINGOL 1.77 71 iP Pn 22 23 46.2 +0.5  
 BING BINGOL 1.77 71 ePn Pn 22 23 46.2 +0.5  
 KELT Kelkit 1.77 6 ePn Pn 22 23 44.5 -0.2  
 KELT Kelkit 1.77 6 eS Pn 22 24 08.9 +0.2  
 comp=Z,51nm,0.5s IAML  
 KELT Kelkit 1.77 6 iP Pn 22 23 44.5 -0.2  
 KELT Kelkit 1.77 6 Pn Pn 22 23 44.5 -0.2  
 CUZAR ZARA\_SIVAS 1.78 328 iP Pn 22 23 45.3 +0.4  
 CUZAR ZARA\_SIVAS 1.78 328 Pn Pn 22 23 45.3 +0.4  
 GAZ Gaziantep 1.87 230 PN Pn 22 23 43.8 -0.4  
 GAZ Gaziantep 1.87 230 ePn Pn 22 23 43.8 -0.4  
 KMRS Kahramanmaras 1.89 243 PN Pn 22 23 44.1 -0.3  
 KMRS Kahramanmaras 1.89 243 ePn Pn 22 23 44.1 -0.3  
 SUSE Susehri 1.93 341 iP Pn 22 23 46.8 -0.5  
 SUSE Susehri 1.93 341 Pn Pn 22 23 46.8 -0.5  
 ECAT Cat-ERZURUM 1.96 51 ePn Pn 22 23 46.2 +0.7  
 KOPT Koy Dagli 2.00 97 PN Pn 22 23 47.3 +0.2  
 VRTB Varto-Mus 2.06 67 ePn Pn 22 23 47.1 +0.2  
 VRTB Varto-Mus 2.06 67 Pn Pn 22 23 47.1 +0.2  
 BAYB BAYBURT 2.10 27 ePn Pn 22 23 43.8 -3.8  
 BAYT Ayd-ntepe-Bay 2.19 23 PN Pn 22 23 48.9 +0.2  
 BAYT Ayd-ntepe-Bay 2.19 23 ePn Pn 22 23 48.9 +0.2  
 SVK Karayir 2.19 315 PN Pn 22 23 50.5 -1.2  
 GURO Guromyak-BITLI 2.38 85 PN Pn 22 23 51.2 0.0  
 GURO Guromyak-BITLI 2.38 85 ePn Pn 22 23 51.2 0.0  
 ERZM Erzurum 2.38 50 ePn Pn 22 23 51.7 +0.3  
 RSDY Resadiye-TOKAT 2.40 328 PN Pn 22 23 51.3 -0.1  
 BNN Bunan 2.52 282 PN Pn 22 23 53.6 +0.3  
 BNN Bunan 2.52 282 ePn Pn 22 23 53.6 +0.3  
 EKAR Karacaban 2.54 69 ePn Pn 22 23 55.2 +1.7  
 EKAR eS Pn 22 24 35.2 +1.8  
 comp=Z,13nm,0.7s IAML  
 ESPY Espiye-Giresun 2.54 355 PN Pn 22 23 54.1 +0.8  
 ESPY Espiye-Giresun 2.54 355 ePn Pn 22 23 54.1 +0.8  
 KTUT Trabzon 2.66 12 PN Pn 22 23 55.8 +0.8  
 KTUT Trabzon 2.66 12 ePn Pn 22 23 55.8 +0.8  
 KOZI Kozan 2.68 21 PN Pn 22 23 55.4 +0.2  
 TOKT Tokat 2.72 362 PN Pn 22 23 57.3 +0.2  
 TOKT Tokat 2.72 362 ePn Pn 22 23 56.1 +0.2  
 HOMI Horasan 2.79 53 ePn Pn 22 24 01.1 -1.1  
 SIRT Sirt 2.85 107 PN Pn 22 23 57.2 -0.5  
 SIRT Sirt 2.85 107 ePn Pn 22 23 57.2 -0.5  
 EATA Eleskirt 3.08 60 PN Pn 22 23 57.9 -3.2  
 EATA Eleskirt 3.13 70 ePn Pn 22 23 58.7 -3.1  
 YOZ Yozgat 3.14 295 PN Pn 22 24 02.1 +0.4  
 YOZ Yozgat 3.14 295 ePn Pn 22 24 02.1 +0.4  
 GEVA Gevas 3.18 90 ePn Pn 22 24 05.4 +3.1  
 YAYL Yayladag 3.30 226 PN Pn 22 24 04.3 +0.4  
 YAYL Yayladag 3.30 226 ePn Pn 22 24 04.3 +0.4  
 AGRB Hanur-Agry 3.32 68 PN Pn 22 24 04.9 +0.6  
 AGRB Hanur-Agry 3.32 68 ePn Pn 22 24 04.9 +0.6  
 KARA Karaisalı 3.33 251 PN Pn 22 24 04.9 +0.7  
 KARA Karaisalı 3.33 251 ePn Pn 22 24 04.9 +0.7  
 SENK Senkaya-Erzuru 3.38 49 PN Pn 22 24 05.8 +0.8  
 SENK Senkaya-Erzuru 3.38 49 ePn Pn 22 24 05.8 +0.8  
 VANB Van 3.44 85 PN Pn 22 24 06.9 +1.0  
 VANB Van 3.44 85 ePn Pn 22 24 06.9 +1.0

Table with 4 columns: Station Name, Azimuth, Elevation, and other parameters. Includes stations like BKA Borcka, GULA Gulagac, CORM Corum, DIGO Kars.

TIF 14 22:39:14.7, 41.58N:46.88E, h28km, 2km
MOS 14 22:39:17.2, 0.9, 41.52N:46.73E, h15km, mb4.0/1, Error ellipse: s-maj=9.3km s-min=6.1km az=85.0

CSEM 14 22:39:17.2, 0.2, 41.54N:46.70E, h2km, ML2.8, Error ellipse: s-maj=4.8km s-min=3.1km az=151.0

DDA 14 22:39:33.0, 41.39N:45.29E, h7km, ML2.3
ISC 14 22:39:17.3, 1.1, 41.54N:0.03E, h70E:0.02, h11km, gkm, n55, o097/99, 6C-4D, Eastern Caucasus

Main table for the left column containing station data for various regions including Eastern Caucasus, Taiwan, and others. Columns include Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Res.

Table with 4 columns: Station Name, Azimuth, Elevation, and other parameters. Includes stations like KIV comp=Z,5.0nm,1.7s, AAK comp=N,2.0nm,0.6s.

ISCJB 14 22:39:30.9, 1.0, 67.77N:0.07E, 19.4W:0.3, h10km, mb3.3/2, MS3.2/9, Error ellipse: s-maj=16.8km s-min=9.5km az=16.5

IDC 14 22:39:30.0, 1.1, 0.67, 82N: 19.42W, h0km, mb3.4/3, mb1 3.6/4, mb1mx3.2/60, mbmp3.5/4, ML3.3/1, MS3.3/1, Ms1 3.3/1, ms1mx3.0/44, Error ellipse: s-maj=202.2km s-min=29.7km az=132.0

ISC 14 22:39:31.1, 0.9, 67.84N:0.06E, 19.7W:0.1, h10km, n13, o2542/9, MS3.3/9, Iceland region

Table with 4 columns: Station Name, Azimuth, Elevation, and other parameters. Includes stations like SCO Scoresbysund, BORG Borgarnes, ARCES ARCES Array B, HFS, FINES FINES Array B, SCHO, GERES GERES Array B, AKASG Main Array Be, AKASG, MLR Muntele Ros, ULM Lac du Bonnet, GNI, TKL Tuckaleechee C, TXAR Lajitas Array.

DJA 14 22:55:38.5, 1.7, 1.2S:20\*13.8E, h10km, M4.6/3, MLV4.6/3

IDC 14 22:55:39.4, 1.2, 1.21S: 138.49E, h0km, mb3.9/7, mb1 4.2/8, mb1mx3.8/45, mbmp3.4/8, ML4.0/1, MS3.1/1, Ms1 3.1/1, ms1mx2.4/43, Error ellipse: s-maj=62.4km s-min=18.8km az=84.0

ISCJB 14 22:55:43.2, 0.1, 3.0S:0.09E, 138.11E:0.06, h33km, mb3.9/7, MS3.0/1, Error ellipse: s-maj=12.6km s-min=8.7km az=3.0

ISC 14 22:55:45.1, 0.8, 1.3S:0.1\*138.08E:0.07, h35km, n12, o122/12, mb4.0/7, Near north coast of Irian Jaya

Table with 4 columns: Station Name, Azimuth, Elevation, and other parameters. Includes stations like SRPI Serui, Papua, GENI Genyem, JAY Jayapura, WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, JNU Nakatsue, SONM Songo Array, MKAR Makanchi Array, KURBB Kurchatov Arr, BVAR Borovoye Array, ILAR Eielson Array.

NNC 14 23:12:47.1, 3.2, 38.66N:70.15E, h0km, mb3.6, mpv3.2, SC-4D, Error ellipse: s-maj=28.8km s-min=22.8km az=161.0, Afghanistan-Tajikistan border region

Table with 4 columns: Station Name, Azimuth, Elevation, and other parameters. Includes stations like SFK Sufi-Kurgan, MNAS Manas, KK31 Karatay Array, KK31, AAK Ala-Archa, TKM2 Tokmak 2, AB31 Akbulak array.

TAP 14 23:14:31.9, 24.42N:121.87E, h17km, ML2.2, 1D, D, Taiwan

Table with 4 columns: Station Name, Azimuth, Elevation, and other parameters. Includes stations like ENAH Nanao, ENAH, NANB Nanao, ENA Nanao, ENA, TWC Suao, TWC, NACB Ninganchiao, ENTT Nioudou, ENTT, TWE Neicheng, TWE, TWA Chiawan, TWA, TWD Chiawan, TWD, NNSB Datong, NNSB, YHNB Yeheng, YHNB.

Table with 4 columns: Station Name, Azimuth, Elevation, and other parameters. Includes stations like YHNB baz=299.

ISCJB 14 23:14:33.0, 3.0, 24.10N:0.01E, 122.31E:0.01, h18km, 3km, Error ellipse: s-maj=2.6km s-min=2.0km az=147.4

JMA 14 23:14:33.0, 0.2, 24.05N: 122.25E, h9km, 5km, M3.0
TAP 14 23:14:34.6, 24.16N:122.28E, h32km, ML3.3, C
ISC 14 23:14:33.5, 1.1, 24.09N:0.02E, 122.30E:0.02, h23km, 12km, n82, o076/162, 2D, Taiwan region

Main table for the right column containing station data for various regions including Taiwan, and others. Columns include Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Res.

Table with columns: Call Sign, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like DPDB Guoxing, YM05, YM04, YM08, SSLB Suanglung, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like DGB zmir, GMLD Gumuldur, GCAM G?zelcam!, etc.

Table with columns: Call Sign, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like KRNR Karany, XNZR Khunzakh, BUJR Buynaskm, etc.

ISCJB 14 23:36:15.8:0.6,37.81N:0.03:26.76E:0.05,h12km,6km, Error ellipse: s-maj=5.7km s-min=3.9km az=146.3 CSEM 14 23:36:15.8:0.2,37.80N:26.77E,h15km,ML2.3, Error ellipse: s-maj=5.7km s-min=3.3km az=57.0 ISK 14 23:36:15.4,37.79N:26.75E,h10km,ML2.3/7 DDA 14 23:36:16.0,37.82N:26.78E,h7km,Md2.5 ISK 14 23:36:15.1:0.1,37.80N:0.03:26.77E:0.03,h17km,8km, n29,r049/45,Docedance Islands

TIR 14 23:41:10.8,41.88N:20.33E,h7km,Md2.9/3 BEO 14 23:41:12.9:0.9,41.88N:20.35E,h9km,4km ISC 14 23:41:12.2:1.0,41.90N:0.04:20.32E:0.04,h10km,10km, n9,r068/18,Albania

ISC 14 23:55:56.5:4.3,81S:134.40E,h123km,34km,mb3.4/4, mb1 3.5/6,mb1mx3.3/5,mbtmp3.9/6, Error ellipse: s-maj=58.0km s-min=13.5km az=79.0,Irian Jaya region



15d 0h

ellipse: s-maj=4.7km s-min=3.5km az=150.0
MOS 15:00:04:21.7, 1.1, 41.42N, 46.77E, h11km, mb4.0/1, Error
ellipse: s-maj=7.7km s-min=4.5km az=93.3
ISCJB 15:00:04:22.8, 0.5, 41.42N, 0.02, 46.75E, 0.03, h15km, 5km,
Error ellipse: s-maj=4.0km s-min=3.0km az=149.2
ISC 15:00:04:21.8, 1.1, 41.45N, 0.02, 46.74E, 0.02, h8km, 9km,
n83, r1917/142, 11C, 14D, Eastern Caucasus

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists various stations like DDFL, KMKR, AKT, GNB, etc.

2012 MAY

Table with columns: TRKR, Terskaya, Time, Res, ISC. Lists stations like TRKR, DIGR, NCK, AGRB, etc.

BJI 15:00:08:59.0, 39.41N, 142.69E, h40km, mb4.5/31, mB4.9/16,
Ms4.6/6, Ms7.4/5/6
NIED 15:00:09:00, 39.60N, 142.10E, h53km, Mw4.1 Best double
couple: M1, 88000, 1019, NP1, 185, 00000, 822, 00000,
1.73, 00000, NP2, 23, 00000, 869, 00000, 1.97, 00000,
ISCJB 15:00:09:05.3, 0.4, 39.65N, 0.03, 142.13E, 0.04, h56km, 2km,
mb4.3/55, MS3.5/5, Error ellipse: s-maj=6.1km
s-min=3.5km, az=27.9
MOS 15:00:09:06.4, 1.0, 39.75N, 142.06E, h62km, mb4.6/19, Error
ellipse: s-maj=8.1km s-min=5.4km az=92.4
JMA 15:00:09:06.2, 39.63N, 142.11E, h49km, 1km, M4.0
JMA Feit II J1.
NEIC 15:00:09:08.6, 0.5, 39.65N, 142.08E, h72km, 4km, mb4.5/14,
Error ellipse: s-maj=6.4km s-min=4.0km az=122.0
NEIC Recorded [2 JMA] in Iwate.
IDC 15:00:09:09.0, 0.3, 39.60N, 142.00E, h74km, 6km, mb3.9/28,
mb1.4/0.33, mb1mx3.9/69, mbtmp4.2/33, MS3.0/8,
Ms1.3/0.8, ms1mx2.8/62, Error ellipse: s-maj=15.3km
s-min=11.6km, az=120.0

ISC 15:00:09:06.0, 0.5, 39.65N, 0.03, 142.12E, 0.05, h47km, 3km,
h75km, pp-P, n156, r1946/184, mb4.3/55, MS3.7/5, 9C-8D,
Near east coast of eastern Honshu

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists various stations like MIYJ, JTH, JOM, etc.

806

Table with columns: MDJ, Nudanjing, Time, Res, ISC. Lists stations like MDJ, JNU, KSRS, etc.



Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like Kasperse Hory, Collin, NOA, SENIN, SPITSBERGEN, VANDA, VNTA, TORODI, SNAVA, NVAR, TXAR.

TEH 15 00:25:42.1, 26.88N-53.90E, h10km, ML4.0
NEIC 15 00:25:42.0, 26.88N-53.90E, h10km, mb4.0/7,
ML3.9(THN), MR4.0(TEH), After TEH.
VIE 15 00:25:44.4, 26.88N-53.98E, h10km, mb3.8/8, ML3.7/1
THR 15 00:25:45.1, 26.92N-53.94E, h46km, ML3.8
DSN 15 00:25:46.5, 26.92N-53.94E, h15km, ML4.0/9, Error
ellipse: s-maj=49.7km, s-min=10.7km, az=141.0
IDC 15 00:25:49.6, 26.95N-53.92E, h51km, mb3.7/20,
mb1.3/26, mb1mx3.7/63, mbmp3.9/26, ML3.6/6, MS3.4/9,
Ms1.3/4.9, ms1mx3.0/61, Error ellipse: s-maj=15.6km
s-min=11.4km, az=26.0
CSEM 15 00:25:49.6, 26.97N-53.94E, h40km, mb4.1/11, Error
ellipse: s-maj=6.6km, s-min=4.3km, az=43.0
OMAN 15 00:25:53.1, 26.70N-54.13E, h10km, Error ellipse:
s-maj=2.9km, s-min=1.6km, az=280.0
ISC 15 00:25:48.1, 27.05N-03.54O1E, h0.03, h28km, 9km,
n168, r167/178, mb4.0/31, MS3.3/6, Southern Iran

Main table for 15d 0h section, listing station codes, names, and various parameters. Includes stations like Jahrom, Ghir, Bandar-Abbas, Umm Al-Quwin, etc.

Main table for 2012 MAY section, listing station codes, names, and various parameters. Includes stations like Kerman, Kerman, Kerman, Kerman, etc.

Table for 808 section, listing station codes, names, and various parameters. Includes stations like Moosalm, Moosalm, Moosalm, Moosalm, etc.

ISC/JB 15 00:31:29.9, 0.5, 31.32S, 0.04, 66.5W, 0.08, h114km, 4km,
mb4.0/3, Error ellipse: s-maj=10.6km, s-min=6.2km
az=175.7
SJA 15 00:31:30.1, 0.6, 31.32S, 68.73W, h105km, 2km, ML3.8,
MW3.8
IDC 15 00:31:30.1, 4.2, 31.48S, 68.26W, h97km, 42km, mb3.9/3,
mb1.3/7.5, mb1mx3.4/30, mbmp4.0/5, Error ellipse:
s-maj=54.7km, s-min=38.7km, az=92.0

Main table for 808 section, listing station codes, names, and various parameters. Includes stations like San Juan, Salgado, AROD, etc.

NSSP 15 00:36:03.5, 41.45N-46.67E, h5km, Ms3.3
TIF 15 00:36:05.4, 41.62N-46.77E, h15km, 1km
CSEM 15 00:36:06.4, 0.1, 41.54N-46.71E, h2km, ML3.1, Error
ellipse: s-maj=3.0km, s-min=2.6km, az=44.0
AZER 15 00:36:06.9, 0.1, 41.55N-46.66E, h8km, ml3.1
MOS 15 00:36:06.5, 0.8, 41.49N-46.76E, h15km, mb4.2/1, Error
ellipse: s-maj=6.9km, s-min=4.2km, az=96.3
TEH 15 00:36:17.3, 40.96N-47.24E, h10km, ML2.7
ISC 15 00:36:06.2, 1.1, 41.53N-01.46E, 9E, 0.1, h3km, 8km,
n192, r192/217, 33C-21D, Eastern Caucasus

Main table for 808 section, listing station codes, names, and various parameters. Includes stations like ZKTA, DDFL, MLR, ARU, etc.

Table with columns: Call Sign, Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Khunzakh, Gabala, Kasumkent, Arakani, Qazax, etc.

Table with columns: Call Sign, Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like BGD Bogdanovka, ALIB & Aumi, AKH Akhalkalaki, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like ARMT Armutlu, MRSI Marisa, MPSI Mapaga, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include BFZ Birch Farm, POWZ Post Office Ro, MLRZ Mavora Lakes, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include KMBO Kilima Mbogo, SBV San Ignacio, BIGH Gun Hill, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include AS01 Sibiu, SBUM Sibiu, STKA Stephens Creek, etc.

IDC 15 01:33:15.5:0.4, 9.90S:11.62W, h0km, mb4.2/18, mb1 4.3/19, mb1mx4.0/6.0, mbtmp4.2/19, ML2.8/1, MS4.0/24, MS1 4.0/24, ms1mx4.8/3.9, Error ellipse: s-maj=28.9km s-min=14.4km az=160.5

ISCJB 15 01:33:16.0:0.4, 4.84S:0.08E, h11.70W:0.10, h18km, mb4.4/24, MS4.0/23, Error ellipse: s-maj=15.6km s-min=8.8km az=35.7

SCB 15 01:44:56.1:0.2, 17.79S:67.14W, h14km, m1, MI4.0/2, SC-1D, Error ellipse: s-maj=8.5km s-min=3.7km az=45.0, Central Bolivia

NEIC 15 01:33:17.3:0.3, 4.88S:11.63W, h10km, mb4.6/10, Error ellipse: s-maj=13.0km s-min=7.2km az=129.0

ISCJB 15 01:34:07.6:1.3, 7.35S:131.69E, h100km, 12km, mb4.6/13, Error ellipse: s-maj=14.1km s-min=10.2km az=221.0

WEL 15 01:48:48.2, 43.55S:0.8:172.7E:0.5, h11km, ML3.5/6, South Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include H10N2 ASCENSION HYDR 4.06 223 T, H10N1 ASCENSION HYDR 4.07 223 T, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include SAUI Saumlaki, SAUI Saumlaki, SAUI Saumlaki, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include BBOJ La Paz, BBOJ La Paz, BBOJ La Paz, etc.

ISCJB 15 01:50:40.8:0.2, 8.50S:0.03:79.71W:0.04, h48km, mb4.8/31, MS4.5/34, Error ellipse: s-maj=5.9km s-min=3.9km az=155.2

IDC 15 01:50:41.3:3.0, 8.82S:79.88W, h39km, 26km, mb4.2/20, mb1 4.3/25, mb1mx4.2/4.6, mbtmp4.4/25, ML4.2/5, MS4.5/38, MS1 4.5/38, ms1mx4.4/4.8, Error ellipse: s-maj=18.7km s-min=11.2km az=65.0

GCMT 15 01:50:42.9:0.3, 8.96S:79.97W, h47km, 1km, MW5.0/79, Moment Tensor Solution, a1, c53; s79, c120; Duration: 0 Moment tensor: Scale 1019Nm; m2, r2.0E, 18; Mm0.02E, 12; Mm0.241E, 13; Mm0.077E, 09; Mm0.209E, 09; Mm0.37E, 16; Best double couple: Mm0.089x10^16 NP1: s=165.00000, s70.00000, lambda.105.00000. NP2:



15d 1h

2012 MAY

0.307,00000°, 825.00000°, 1.54.00000°. Principal axes: T 3.9920, Plg62.0000°, Azm99.0000°; N 0.9850, Plg14.0000°, Azm340.0000°; P -4.9680, Plg23.0000°, Azm244.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. NEIC 15.01:50:42.9-0.6, 8.67S; 79.76W, h50km, mb4.9/121, ML4.7(ARE) Error ellipse: s-maj=6.7km s-min=3.8km az=59.0 NEIC Feil [I] at Trujillo. BUJ 15.01:50:43.8, 8.60S; 79.70W, h35km, mb5.0/5, MS5.1/4, MS7.4/94. ISC 15.01:50:42.9-0.3, 8.59S; 0.04-79.66W, h48km, n445, i945/125, mb4.8/131, MS4.5/35, Near coast of northern Peru

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Lists various seismic stations and their parameters.

Table with columns: Y48A, X48A, Z41A, Y44A, WLAR, Y41A, W48A, W48A, LPIG, TKL, TXAR, TXAR, TX31, W47A, Y40A, Y48A, MIAR, MIAR, X39A, TZTN, W41B, W41B, WVT, WVT, ABTX, ABTX, WHAR, W48A, W40A, U47A, U46A, V42A, W39A, W39A, U44B, V41A, U43A, V40A, V40A, T47A, T48A, U42A, T46A, V39A, U41A, U41A, IP01, U40A, SPRD, CVRD, T43A, U39A, HHAR, T42A, S46A, W40A, W40A, T41A, TUL1, TUL1, S44A, S43A, MNXT, T40A, T39A, S42A, S41A, T38A, S40A, R43A, CCM, CCM, MSTX, MSTX, Q47A, R42A, S39A, R41A, Q44A, R40A, Q43A, P47A, R39A. Lists seismic events with station codes, magnitudes, and times.

Table with columns: Q42A, R38A, MVL, P45A, Q41A, P44A, O56A, O56A, ACSO, Q40A, P43A, 121A, P42A, O47A, Q39A, SSSA, SSSA, Q38A, LUPA, O45A, P41A, O44A, SFIN, SFIN, P40A, P39B, N59A, N59A, O43A, O42A, O41A, P38A, N46A, HDIL, HDIL, N45A, N44A, P37A, M54A, M54A, O39A, N43A, LAZ, N42A, N41A, ANMO, ANMO, TUC, M43A, N39A, BINY, M41A, M40A, T25A, L44A, L42A, L43A, M38A, TRY, M37A, L40A, K43A, L39A, L38A, W18A, ACCN, SDCO, JFWS, K39A, X16A, J43A, HNH, S22A, S22A, K37A, J40A, Y14A, J39A, I42A, MVCO, WUAZ, WUAZ, LONY, LONY. Lists seismic events with station codes, magnitudes, and times.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like J37A Redenius Farm, I39A Houston, J36A Seneca I, SWea, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like RLMT Red Lodge, LAO LASA Array, YHH Holmes Hill, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MAW Mawson, SPITS Spitsbergen Ar, H11N3 WAKE ISLAND, etc.

IDC 15 01:59:54.0;5.4, 30.895N-137.93E, h0km, mb1 3.2/3, mb1mx3.1/42, mbtmpt.2.9/3, ML2.4/3, Error ellipse: s-maj=102.9km s-min=17.9km az=36.0, South Australia

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, STKA WVKP, etc.

CSEM 15 02:07:07.6, 39.46N-25.95E, h8km, ML2.3 ISK 15 02:07:07.6, 39.46N-25.95E, h8km, ML2.3/7, Aegean Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like GPNR Gulpinar-Canak, GPNR Gulpinar-Canak, etc.

MAN 15 02:09:33.3, 11.79N-124.72E, h20km, mb4.3, ML3.1, MS2.9, ID, Leyte

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PPLP Palo, CNP Catarman, etc.

ISCJB 15 02:14:11.8;0.7, 13.96N;0.09;145.0E;0.2, h200km, mb3.6/14, Error ellipse: s-maj=26.9km s-min=12.1km az=175.5

IDC 15 02:14:11.6;0.6, 14.01N;145.10E, h183km;3km, mb3.5/13, s-maj=19.7km s-min=13.8km az=88.0

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





15d 4h

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like ASAR Alice Springs, MKAR Makanchi Array, GEYT Alibeck, etc.

AZER 15 04:12:59.6, 0.40, 42N, 45.50E, h13km, m3.2
NSPP 15 04:13:01.4, 40.43N, 45.33E, h10km, Ms3.0
DDA 15 04:13:01.1, 40.48N, 45.32E, h7km, M3.3
TIF 15 04:13:02.5, 40.54N, 45.29E, h11km, 3km
MOS 15 04:13:02.0, 1.3, 40.36N, 45.44E, h10km, mb4.1/1, Error ellipse: s-maj=9.4km s-min=5.2km az=91.6

ATA 15 04:13:02.4, 1.3, 40.55N, 45.16E, h8km, 31km, ML3.4, MW3.4

CSEM 15 04:13:03.1, 0.2, 40.40N, 45.43E, h10km, ML3.2, Error ellipse: s-maj=3.6km s-min=3.6km az=136.0

ISC 15 04:13:01.6, 1.1, 40.44N, 0102.45, 76E, 0.02, h2km, gkm, n1107, r137/174, 26C-24D, Eastern Caucasus

Main table for 15d 4h section, listing station codes, names, and various parameters. Includes stations like GDB GEDABAY, GDB Garni, GANJ Ganja, etc.

2012 MAY

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like AGRB Hanur-Agry, AKT Akhty, TUTA Tutak, etc.

EATA Eleiskirt 2.27 256 eP Pb 04 13 42.0 -1.5
EATA Eleiskirt 2.27 256 iP Sg 04 13 42.1 -1.4
EATA Eleiskirt 2.27 256 eP Pb 04 13 42.1 -1.4

GLBA Cillablad 2.63 116 eP Pb 04 13 42.2 -0.8

GLBA Cillablad 2.63 116 eP Pb 04 13 42.2 -0.8

GLBA Cillablad 2.63 116 eP Pb 04 13 42.2 -0.8

Main table for 2012 MAY section, listing station codes, names, and various parameters. Includes stations like ARU Arti, AAK Ala-Archa, KURK Kurchatov, etc.

1816

CSEM 15 04:54:38.4, 0.1, 41.54N, 46.75E, h15km, mb4.4/16, Error ellipse: s-maj=2.7km s-min=2.4km az=23.0

ISC 15 04:54:38.2, 0.7, 41.54N, 001.46, 72E, 0.01, h14km, 4km, n313, r1972/432, mb4.3/4, 68C-56D, Eastern Caucasus

Main table for 1816 section, listing station codes, names, and various parameters. Includes stations like ZKT Zaqatala, ZKTA Zakatala, ZKTA Zakatala, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like TBLG, DLMR, MAK, PQL, DUS, KDMR, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like GOF, GEYT, GYA0B, AKTO, AB31, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BVAO, BVAR, KLMR, PRGR, SFK, etc.





comp=Z,0.4nm,0.4s,baz=115,slow=9.4,SNR=3.9
MKAR Makanchi Array 25.93 66 P P 05 23 26.1 +0.3
TORO Torodi Ar. Bea 48.20 247 P P 05 26 32.4 -1.9
YKA Yellowknife Arr 75.23 351 P P 05 29 35.3 -0.5

IDC 15 05:19:10.3,3.4,54.44N,87.35E,h0km,mb1 3.0/2,
mb1mx2.9/71,mbtmp3.0/2,ML2.4/2, Error ellipse:
s-maj=29.9km s-min=21.1km az=33.0, Southwestern
Siberia

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

BUI 15 05:19:48.1,2.08N,89.42E,h5km,mb5.1/66,mb5.1/32,
Ms4.6/44,Ms7.4/342
IDC 15 05:19:53.9,0.4,2.74N,89.59E,h0km,mb4.5/43,
mb1 4.6/46,mb1mx4.5/73,mbtmp4.5/46,ML4.5/3,MS4.0/47,
Ms1 4.0/47,ms1mx3.9/68, Error ellipse: s-maj=12.2km
s-min=9.5km az=32.0

MOS 15 05:19:53.9,1.0,2.76N,89.62E,h10km,mb5.2/37,
Ms4.1/6, Error ellipse: s-maj=7.2km s-min=4.9km
az=102.8
ISCJB 15 05:19:54.8,0.2,2.71N,0.03,89.59E,0.02,h16km,
mb4.9/124,MS4.2/62, Error ellipse: s-maj=4.6km
s-min=2.8km az=23.4

NEIC 15 05:19:55.0,0.1,2.71N,89.56E,h10km,mb5.1/50, Error
ellipse: s-maj=4.2km s-min=2.9km az=203.0
GCMT 15 05:19:55.0,0.3,2.68N,89.57E,h28km,1km,MW5.0/96,
Moment Tensor Solution. s43,c52; s96,c139; Duration:
0 Moment tensor: Scale 10^19Nm; Mr0.33±.12;
Mw-2.23±.09; Mw1.90±.10; Mw1.42±.15; Mw-2.08±.09;
Mw-2.13±.20; Best double couple: M3,77200\*10^16
Nf1,110.00000; s76,0.00000; s1,148.00000; NP2:
p=208.00000; s59,0.00000; s16,0.00000; Principal axes: T
4.3490,Plg32.00000; Azm65.00000; N -1.1550,
Plg55.00000; Azm269.00000; P -3.1940,Plg11.00000;
Azm162.00000; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s.

ISC 15 05:19:57.1,0.5,2.69N,0.04,89.59E,0.04,h19km,2km,
h19km;pP-P.n590,c151/611,mb5.0/125,MS4.2/62,
32C-24D, North Indian Ocean

Main table listing station data for the left column, including station names like Banda Aceh, Meulaboh, Gunungsitoli, etc.

Main table listing station data for the middle column, including station names like Sriramsagar, Killari, Diego Garcia H, etc.

Main table listing station data for the right column, including station names like YULB Yu-li, Gaotai, KASHI Kashi, etc.



Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like VVND, SDSC, EAGC, DAG, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like ECSD, J36A, J41A, J39A, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like WHTX, 144A, 144B, etc.

15d 6h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Sufi-Kurgan, AML Almayashu, MNAS Manas, UCH Uchto, etc.

ISK 15 05:58:22.2, 38.91N:43.54E, h5km, ML2.8/7
ATA 15 05:58:22.8, 1.6, 38.92N:43.54E, h15km, 18km, ML3.2, MW3.2

ISC/JB 15 05:58:23.9, 0.5, 38.90N:0.03:43.57E:0.05, h8km, 5km, Error ellipse: s-maj=6.5km s-min=3.9km az=25.0
CSEM 15 05:58:23.9, 0.3, 38.92N:43.56E, h15km, ML2.8, Error ellipse: s-maj=6.4km s-min=4.5km az=120.0

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

15d 6h

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

ISC/JB 15 06:27:47.8, 1.2, 2.1N:0.2:89.6E:0.1, h10km, mb3.9/5, MS3.3/1, Error ellipse: s-maj=26.8km s-min=13.7km az=18.2
IDC 15 06:27:48.8, 1.5, 2.13N:89.56E, h0km, mb3.8/5, mb1 4.0/8, mb1mx3.6/73, mbmp3.8/8, ML4.0/3, MS3.0/3, Ms1 3.1/3, ms1mx2.7/67, Error ellipse: s-maj=40.4km s-min=23.2km az=34.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PSI Prapat, PALK Pallekele, CMAR Chiang Mai Arr, etc.

DDA 15 06:28:49.5, 36.80N:31.74E, h7km, ML2.6, Turkey
KEPZ Antalya-Kepez, GAZI Gazipasa, ERMK Ermenek

CSEM 15 06:29:37.5, 0.1, 39.07N:29.68E, h5km, ML2.1, Error ellipse: s-maj=3.6km s-min=2.3km az=157.0
ISK 15 06:29:37.3, 39.08N:29.67E, h8km, ML2.2/9
DDA 15 06:29:38.9, 39.09N:29.73E, h7km, Md2.3
ISC 15 06:29:37.8, 1.0, 39.07N:0.03:29.66E:0.02, h7km, 8km, n34, c1955/49, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GDZ Gediz, TVBS Tavasli, KUTH Kutahya, etc.

15d 6h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RES Resolute Bay, AKASG Malin Array, YKA Yellowknife Ar, etc.

IDC 15 06:31:29.7, 0.5, 59.75N:29.92W, h0km, mb4.2/31, mb1 4.3/34, mb1mx4.1/70, mbtmp4.2/34, ML3.8/3, MS4.1/9, Ms1 4.1/9, ms1mx3.6/65, Error ellipse: s-maj=14.6km s-min=10.3km az=14.0

ISC/JB 15 06:31:30.5, 0.2, 59.91N:0.02:29.74W:0.04, h10km, mb4.4/88, MS4.1/17, Error ellipse: s-maj=3.6km s-min=2.9km az=142.5

NEIC 15 06:31:31.9, 0.2, 59.79N:29.80W, h10km, mb4.5/47, Error ellipse: s-maj=5.1km s-min=2.9km az=194.0
CSEM 15 06:31:31.6, 0.1, 59.82N:29.73W, h10km, mb4.5/47, Error ellipse: s-maj=3.5km s-min=2.6km az=172.0

GCMT 15 06:31:31.9, 0.2, 59.79N:29.66W, h12km, MW4.8/95, Moment Tensor Solution, s13,c13; s95,c14; Duration: 0 Moment tensor: Scale 1019Nm; Mr-2.18; 07; Mw0.27; 08; Mw1.91; 06; Mw0.17; 32; Mw0.54; 06; Mw0.57; 30; Best double couple: Mo2.20500x10^16 NP1: 99.00000; 852.00000; -99.00000; NP2: 204.00000; 839.00000; -78.00000; Principal axes: T 2.1300, Plg7.0000, Azm106.0000; N 0.1510, Plg7.0000, Azm15.0000; P -2.2800, Plg80.0000; Azm237.0000; n51a1 relative to body waves, cutoff=40s. n52a2 refers to surface waves, cutoff=50s.

REY 15 06:31:34.5, 59.78N:28.60W, h10km
ISC 15 06:31:31.7, 0.4, 59.82N:0.06:29.77W:0.05, h10km, n191, c1600/198, mb4.5/88, MS4.2/18, 3C, Reykjanes Ridge

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

DDA 15 06:28:49.5, 36.80N:31.74E, h7km, ML2.6, Turkey
KEPZ Antalya-Kepez, GAZI Gazipasa, ERMK Ermenek

CSEM 15 06:29:37.5, 0.1, 39.07N:29.68E, h5km, ML2.1, Error ellipse: s-maj=3.6km s-min=2.3km az=157.0
ISK 15 06:29:37.3, 39.08N:29.67E, h8km, ML2.2/9
DDA 15 06:29:38.9, 39.09N:29.73E, h7km, Md2.3
ISC 15 06:29:37.8, 1.0, 39.07N:0.03:29.66E:0.02, h7km, 8km, n34, c1955/49, Turkey

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









15d 6h

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like GNI, KOWA, N23A, ABKAR, IMW, KLU, BW06, PDAR, etc.

2012 MAY

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like KVN, YBH, ZED, PAHR, 121A, M02C, BEKR, etc.

826

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like LZH, XAN, KS01, KSRS, KS15, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SVAN, SILVAN, SANL, etc.

IDC 15 06:56:38.2.0, 6.36S, 129.79E, h0km, mb3.5/2, mb1 3.4/4, mb1mx3.3/5, mbtmp3.3/4, ML3.1/2, Error ellipse: s-maj=153.2km s-min=29.9km az=70.0, Banda Sea

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

ISCJB 15 07:09:34.7.0.3, 10.32N, 125.27E, h0km, mb4.4/35, MS3.3/6, Error ellipse: s-maj=4.3km s-min=4.0km az=160.2

IDC 15 07:09:34.7.0.6, 10.35N, 125.26E, h0km, mb4.2/16, mb1 4.3/16, mb1mx4.1/63, mbtmp4.2/16, MS4.8/24, Ms1 3.4/8, ms1mx3.1/51, Error ellipse: s-maj=29.8km s-min=12.3km az=70.0

MAN 15 07:09:38.0, 10.33N, 124.99E, h5km, mb5.1, ML4.0, MS4.1, NEIC 15 07:09:42.1.2, 10.32N, 125.27E, h6km, mb4.6/24, Error ellipse: s-maj=8.6km s-min=4.9km az=73.0

NEIC Feil [P]VIS] at Saint Bernard and San Juan, [P]VIS] at Anahawan, [P]VIS] and [L]OBS] at Sagod. ISC 15 07:09:38.5.1.0, 10.34N, 125.06E, h0km, mb2.0/5km, n85, s140/90, mb4.5/35, MS3.2/6, SC-2D, Leyte

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MAJOR, MJAB, MJBR, etc.

ISCJB 15 07:16:14.4.0.1, 59.94N, 0.02, 29.93W, h0km, mb4.8/292, MS4.5/80, Error ellipse: s-maj=2.6km s-min=1.4km az=171.2

BJJ 15 07:16:14.7.60.21N, 30.16W, h5km, mb4.9/34, mb5.3/21, MS4.8/12, Ms7.4/5.12

MOS 15 07:16:14.9.0.8, 59.81N, 29.87W, h13km, mb5.0/67, MS4.6/11, Error ellipse: s-maj=6.6km s-min=5.9km az=80.5

IDC 15 07:16:14.3.0.4, 59.81N, 29.91W, h0km, mb4.4/39, mb1 4.5/43, mb1mx4.4/67, mbtmp4.4/43, ML3.8/4, MS4.5/56, Ms1 4.5/56, ms1mx4.4/64, Error ellipse: s-maj=12.2km s-min=8.7km az=1.0

GCMT 15 07:16:16.6.0.1, 59.84N, 29.65W, h12km, MW5.2/126, Moment Tensor Solution. e42, c52, s126, c228, Duration: 0 Moment tensor: Scale 1018Nm; Mr=5.90; 11; Mw=0.42; 12; Mw5.43; 09; Mw2.44; 42; Mw1.85; 08; Mr=0.28; 31; Best double couple: M6.428000e10; NP1=0.217, 0.00000, 0.51, 0.00000, -0.64, 0.00000; NP2=0.360, 0.00000, 0.46, 0.00000, -0.18, 0.00000. Principal axes: T 6.0670, Plg3.0000, Azm289.0000; P -6.7900, Plg70.0000, Azm192.0000; nst1 refers to surface waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s.

CSEM 15 07:16:16.2.0.1, 59.88N, 29.77W, h10km, mb4.8/99, Error ellipse: s-maj=3.7km s-min=2.1km az=174.0

NEIC 15 07:16:16.6.0.1, 59.81N, 29.81W, h10km, mb4.8/195, Error ellipse: s-maj=2.0km az=186.0

PDA 15 07:16:16.7.59.81N, 29.82W, h10km, mb4.8

REY 15 07:16:16.7.59.81N, 29.82W, h10km

ISC 15 07:16:16.5.0.3, 59.93N, 0.04, 29.68W, h0km, n909, s1867/902, mb4.8/297, MS4.5/79, 30C-9D, Reykjanes Ridge

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

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

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like PCAS Casimiro, MTE Manteigas, ECH Echery, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like FINES, FIAI FINESS Array, PRA Prague, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like AKBB Malin Array, BUR04 Bucovina Ar. S, etc.

829	comp=Z,2um,16.0s	38.20 312	P	P	07 23 35.2	-0.5	L39A	Vinton	41.29 273	P	P	07 24 01.8	+0.1	GOGA	Godfrey	43.75 257	P	P	07 24 20.5	-1.3
YKA	Yellowknife Ar	comp=Z,4.1nm,0.9s,baz=55,slow=8.7,SNR=22	P	P	07 25 48.4	-1.5	K38A	Parksburg	41.30 274	P	P	07 24 00.7	-1.1	GOGA	Godfrey	43.75 257	eP	P	07 24 21.1	-0.7
YKA	comp=Z,0.7nm,0.8s,baz=41,slow=3.3,SNR=8.3	P	P	07 38 36.1			TZTN	Tazewell	41.30 260	P	P	07 24 02.2	+0.4	WWT	Waverly	43.76 264	P	P	07 24 21.0	-0.8
D36A	comp=Z,1.85nm,18.3s,baz=56,slow=35	38.27 280	P	P	07 23 34.4	-2.2	TZTN	Tazewell	41.30 260	eP	P	07 24 01.2	-0.7	WWT	Waverly	43.76 264	eP	P	07 24 20.5	-1.3
H41A	Junction City	38.31 274	P	P	07 23 34.0	-2.8	O43A	Sugar Creek Fa	41.31 269	P	P	07 24 01.7	-0.2	WWT	Waverly	43.76 264	eP	P	07 24 20.5	-1.3
E37A	Wrenshall	38.31 278	P	P	07 23 35.3	-1.6	KMSC	Kings Mountain	41.31 257	P	P	07 24 00.6	-1.4	S43A	Fulton Ridge,	43.76 267	P	P	07 24 20.5	-1.4
C35A	Jirik Farms, M	38.32 281	P	P	07 23 35.6	-1.3	H34A	Spellman Lake,	41.33 279	P	P	07 24 01.9	-0.2	V47A	Nunnally	43.84 263	P	P	07 24 20.1	-2.4
VORD	Divnogorie	38.41 72	eP	P	07 23 38.1	+0.5	WCI	Wyandotte Cave	41.35 264	P	P	07 23 59.7	-2.6	R41A	Rosebud	43.86 269	P	P	07 24 20.6	-2.0
VORD	comp=Z,20nm,1.0s	38.45 99	eP	P	07 23 39.8	+1.7	WCI	Wyandotte Cave	41.35 264	eP	P	07 24 01.2	-1.1	155A	Kite	43.90 256	P	P	07 24 21.4	-1.6
AGG	Agios Georgios	comp=Z,209nm,0.4s	eP	P	07 23 39.8	+1.7	WCI	Wyandotte Cave	41.35 264	eP	P	07 24 01.2	-1.1	S42A	Caledonia	43.97 268	P	P	07 24 21.8	-1.7
AGG	Agios Georgios	38.45 99	eP	P	07 23 39.8	+1.7	R47A	Wooly Knot Far	41.42 265	P	P	07 24 02.3	-0.5	CCM	Cathedral Cave	43.98 269	P	P	07 24 21.3	-2.2
AGG	comp=Z,209nm,0.4s	38.45 273	P	P	07 23 36.7	-1.4	I35A	Creekview Farm	41.52 277	P	P	07 23 59.6	-4.0	CCM	Cathedral Cave	43.98 269	eP	P	07 24 22.3	-1.2
I42A	Draeger Farm,	38.45 273	P	P	07 23 36.7	-1.4	M40A	Post Highland	41.58 272	P	P	07 24 03.6	-0.5	CCM	Cathedral Cave	43.98 269	eP	P	07 24 22.3	-1.2
F38A	Pierce - Schro	38.48 277	P	P	07 23 36.0	-2.2	P44A	Sar Creek, Wi	41.58 268	P	P	07 24 01.5	-2.5	U45A	Rockin P Farm,	44.05 265	P	P	07 24 21.6	-2.5
G39A	Holcombe	38.59 276	P	P	07 23 37.9	-1.3	K37A	Belmond	41.64 275	P	P	07 24 04.1	-0.5	W48A	Pulaski	44.09 262	P	P	07 24 22.5	-2.0
H40A	Chili	38.67 275	P	P	07 23 38.3	-1.7	S48A	Wiedeman Farm,	41.68 264	P	P	07 24 03.8	-1.1	Q39A	Willow Grove F	44.09 271	P	P	07 24 22.8	-1.6
B33A	Robert and Kas	38.72 283	P	P	07 23 37.8	-2.5	ANN	Anapa	41.74 80	eP	P	07 24 03.7	-0.6	V46A	Holladay	44.16 264	P	P	07 24 22.8	-2.2
E36A	McGregor	38.77 279	P	P	07 23 38.6	-2.2	ANN	comp=Z,58nm,1.4s		MLR	MLR			154A	Montrose	44.22 256	P	P	07 24 23.4	-2.2
D35A	Remer	38.78 280	P	P	07 23 38.3	-2.5	L38A	Oak Wood Farm,	41.76 274	P	P	07 24 05.1	-0.5	T43A	Greenville	44.25 267	P	P	07 24 24.7	-1.0
I41A	Arkdale	38.81 274	P	P	07 23 39.2	-1.9	O42A	Bath	41.76 270	P	P	07 24 04.8	-0.8	X49A	Woodville	44.28 261	P	P	07 24 23.2	-2.8
AGMN	Agassiz Nation	38.84 283	P	P	07 23 38.8	-2.5	G32A	Webster	41.77 281	P	P	07 24 04.8	-0.8	PARMO	Parma	44.30 266	eP	P	07 24 24.9	-1.3
AGMN	Agassiz Nation	comp=Z,9.2nm,1.1s	eP	P	07 23 41.4	+0.1	N41A	Harden Midland	41.77 271	P	P	07 24 05.4	-0.2	R40A	Maddies Statio	44.31 270	P	P	07 24 24.9	-1.4
J42A	Columbus	38.97 272	P	P	07 23 39.0	-3.4	Q45A	Warren Harvey,	41.78 267	P	P	07 24 05.0	-0.8	GOF	Goffkeys	44.32 760	eP	P	07 24 27.5	+1.3
F37A	Hinrichs Farm,	39.01 278	P	P	07 23 41.2	-1.6	H33A	Prehn Over Nor	41.80 280	P	P	07 24 05.4	-0.5	W47A	Westpoint	44.33 263	P	P	07 24 23.0	-3.4
G38A	Ridgeland	39.02 276	P	P	07 23 39.7	-3.1	M39A	Webster	41.86 273	P	P	07 24 05.0	-1.4	U43B	Burton Farm, H	44.35 265	P	P	07 24 23.8	-2.8
K43A	Burlington	39.02 271	P	P	07 23 40.6	-2.3	P43A	Skaggs, Pawnee	41.90 269	P	P	07 24 05.0	-1.7	Q38A	Cooke Store, C	44.48 272	P	P	07 24 26.5	-1.1
H39A	Augusta	39.08 275	P	P	07 23 41.4	-1.9	R46A	Gibson Southern	41.98 266	P	P	07 24 06.9	-0.5	PBMO	Poplar Bluff	44.55 267	eP	P	07 24 26.7	-1.5
B32A	Ashes, Strandq	39.10 284	P	P	07 23 42.5	-1.0	N40A	Mertquake, Sal	42.00 272	P	P	07 24 05.3	-2.2	TAM	Tamanrasset	44.56 131	eP	P	07 24 29.6	+1.1
L44A	Lake County Fo	39.19 270	P	P	07 23 42.9	-1.4	TKL	Tuckaleches C	42.11 260	P	P	07 24 06.1	-2.4	TAM	Tamanrasset	44.56 131	eP	P	07 24 29.6	+1.1
BLA	Blacksburg	39.23 258	P	P	07 23 42.7	-2.0	TKL	comp=Z,2.0nm,0.8s,baz=45,slow=11,SNR=2.9		LR	LR	07 40 09.4		S41A	Jilco Farms,	44.59 269	P	P	07 24 26.3	-2.2
I40A	Norwalk	39.31 274	P	P	07 23 43.3	-2.0	L37A	Phoenix Point,	42.17 275	P	P	07 24 06.7	-2.3	TOLK	Toolik Lake Re	44.60 333	P	P	07 24 29.4	+1.1
F36A	Milaca	39.37 279	P	P	07 23 42.9	-2.8	Q44A	Meyer Farm, Va	42.21 268	P	P	07 24 07.2	-2.0	TOLK	Toolik Lake Re	44.60 333	eP	P	07 24 28.6	+0.3
J41A	Loganville	39.39 273	P	P	07 23 43.4	-2.6	BG3	Lake Jocassee	42.22 258	eP	P	07 24 08.3	-1.1	R39A	Chumby, Stover	44.68 270	P	P	07 24 27.5	-1.7
SPMN	Marine on St.	39.45 277	P	P	07 23 44.5	-1.9	O41A	Passleys Farm,	42.23 270	P	P	07 24 08.0	-1.4	X48A	Hartselle	44.69 262	P	P	07 24 28.3	-1.0
SPMN	Marine on St.	comp=Z,8.6nm,1.0s	eP	P	07 23 46.7	+0.3	T48A	Bowling Green	42.27 263	P	P	07 24 08.1	-1.7	T42A	Van Buren	44.69 268	P	P	07 24 27.6	-1.6
K42A	Prairie Point,	39.48 272	P	P	07 23 45.0	-1.7	H32A	Carlson Farm,	42.27 280	P	P	07 24 09.6	-0.2	PLAL	Pickwick Lake	44.78 263	eP	P	07 24 30.0	0.0
C32A	Crookston	39.49 283	P	P	07 23 45.4	-1.3	R45A	Skylar, Fairir	42.30 266	P	P	07 24 08.3	-1.7	356A	Blackshear	44.80 254	P	P	07 24 30.1	-0.1
N46A	Monticello	39.55 267	P	P	07 23 45.7	-1.7	P42A	Winchester	42.35 269	P	P	07 24 09.9	-0.5	W46A	Michie	44.82 264	P	P	07 24 28.4	-1.9
H35A	Maiden Rack	39.58 276	P	P	07 23 42.9	-4.6	NH3C	New Hope	42.40 254	P	P	07 24 10.4	-0.4	Y49A	Blount Mountai	44.85 261	P	P	07 24 29.2	-1.3
L33A	Garden Prairie	39.61 271	P	P	07 23 45.8	-2.0	M38A	Pleasantville	42.42 274	P	P	07 24 11.4	-0.5	254A	Abbeville	44.86 256	P	P	07 24 29.6	+1.0
B31A	Greenbush Farm	39.63 284	P	P	07 23 45.7	-2.2	ECSD	EROS Data Cent	42.42 279	P	P	07 24 11.1	+0.1	U43A	Rector	44.86 266	P	P	07 24 28.7	-1.9
E34A	Wadena	39.73 281	P	P	07 23 45.6	-3.1	N39A	Derby Farms, D	42.47 272	P	P	07 24 09.4	-2.0	KIV	Kislovodsk	44.95 77	eP	P	07 24 32.8	+1.4
J40A	Soldiers Grove	39.73 274	P	P	07 23 47.1	-1.7	S46A	Don Dixon Farm	42.49 265	P	P	07 24 10.7	-0.8	KIV	Kislovodsk	44.95 77	iP	P	07 24 31.8	+0.4
O47A	Sheridan	39.77 266	P	P	07 23 46.5	-2.6	HODG	Hodges	42.50 257	eP	P	07 24 11.5	-0.1	KIV	Kislovodsk	44.95 77	iP	P	07 24 31.8	+0.4
I39A	Houston	39.79 275	P	P	07 23 46.7	-2.6	Q43A	New Douglas	42.52 268	P	P	07 24 11.0	-0.8	KIV	comp=Z,13nm,1.0s		MLR	MLR		
JFWS	Jewell Farm	39.83 273	P	P	07 23 49.2	-0.5	IDI	Anoyia	42.63 100	LR	LR	07 43 36.1		KVAR	Kislovodsk Arr	44.95 77	LR	LR	07 43 44.2	
M44A	Midewin, Midew	39.84 269	P	P	07 23 49.3	-0.5	CPCT	Cooper Cave	42.64 260	eP	P	07 24 12.8	-0.1	S40A	Lebanon	44.96 269	P	P	07 24 30.4	-1.1
F35A	Swanville	39.89 279	P	P	07 23 49.3	-0.7	P41A	Barry, Barry	42.65 270	P	P	07 24 10.6	-2.2	Q37A	Longview Farm,	44.96 272	P	P	07 24 29.8	-1.7
G36A	St. Michael	39.92 278	P	P	07 23 49.0	-1.3	O40A	La Belle	42.72 271	P	P	07 24 11.1	-2.2	LAO	LASA Array	44.98 289	P	P	07 24 30.8	-0.8
N45A	Kentland	39.98 268	P	P	07 23 49.8	-1.1	T47A	Sharon Grove	42.72 264	P	P	07 24 12.1	-1.4	LAO	LASA Array	44.98 289	eP	P	07 24 31.9	+0.4
I38A	Scanlan Farm,	40.06 276	P	P	07 23 49.9	-1.7	R44A	Waltonville	42.74 267	P	P	07 24 10.4	-3.1	T41A	Mountain View	45.02 268	P	P	07 24 29.9	-2.0
K41A	Shullsburg	40.08 272	P	P	07 23 50.7	-1.1	DGMT	Dagmar	42.75 289	P	P	07 24 12.6	-1.0	X47A	Russelville	45.04 263	P	P	07 24 30.1	-2.0
SFIN	Lafayette	40.12 267	P	P	07 23 49.2	-2.8	DGMT	Dagmar	42.75 289	eP	P	07 24 13.9	+0.3	FYU	Fort Yukon	45.17 329	eP	P	07 24 33.8	+1.1
SFIN	Lafayette	comp=Z,18nm,1.2s	eP	P	07 23 52.4	+0.4	U48A	Cassie Pea, Po	42.81 263	P	P	07 24 12.2	-2.0	Y48A	Jasper	45.18 261	P	P	07 24 30.7	-2.5
E33A	Westby DABS, E	40.15 281	P	P	07 23 51.5	-0.7	M37A	Trindle Farm,	42.86 274	P	P	07 24 14.0	-0.5	W45A	Hickory Valley	45.20 264	P	P	07 24 30.5	-2.8
L42A	Oliver, Polo	40.21 271	P	P	07 23 52.0	-0.8	S45A	Carrier Mills	42.93 266	P	P	07 24 12.8	-2.2	R38A	Ferick Farm,	45.22 271	P	P	07 24 30.2	-3.2
J39A	Decorah	40.26 274	P	P																





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

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like BALIKESIR\_Sava, AKHS Akhisar, AKHS Dursunbey, etc.

CSEM 15 08:15:44.6, 0.3, 37.27N, 38.91E, h2km, ML2.2, Error ellipse: s-maj=9.8km s-min=4.8km az=102.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like SANL SANLIURFA\_Merk, SANL Urfu, SANL Urfu, etc.

IDC 15 08:16:00.6:1.9, 33.85N, 141.76E, h0km, mb3.4/3, mb1 3.6/4, mb1mx3.6/6, mbtmp3.4/4, ML3.1/1, Error ellipse: s-maj=36.3km s-min=22.0km az=55.0, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like JHH Hachijo jima 2, JHH 22m, 0.3s, baz=76, slow=23, SNR=17, etc.

IDC 15 08:25:55.0:0.6, 29.23N, 0.06:130.4E:0.1, h34km, mb3.9/15, MS3.4/5, Error ellipse: s-maj=15.3km s-min=8.0km az=14.1

IDC 15 08:25:59.0:2.0, 29.28N, 130.39E, h51km, 17km, mb3.7/15, mb1 3.8/19, mb1mx3.6/6, mbtmp3.9/19, ML3.1/5, MS3.4/6, MS1.3/4, ms1mx2.9/64, Error ellipse: s-maj=19.2km s-min=12.7km az=97.0

IDC 15 08:25:57.4:0.7, 29.24N, 0.07:130.4E:0.1, h34km, n23, r121/23, mb4.0/15, MS3.6/5, Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like JOW Kunigami, JNU Nakatsu, JNU 4.4km, 0.3s, baz=187, slow=13, SNR=92, etc.

NNC 15 08:32:27.6:1.8, 36.87N, 70.89E, h158km, 23km, mb2.7, mpv3.6, Error ellipse: s-maj=17.8km s-min=8.2km az=157.0

ISC 15 08:32:28.7:3.8, 36.8N, 70.105E:0.08, h88km, n11, r133/17, 5C-7D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like DZET Dzerhino, DZET 12m, 0.3s, SFK Sufi-Kurgan, etc.

ISC 15 08:47:51.8:0.3, 59.99N, 0.03:153.02W:0.06, h127km, 3km, mb3.6/2, Error ellipse: s-maj=5.0km s-min=4.4km az=6.9

IDC 15 08:47:52.2:2.4, 59.91N, 153.16W, h114km, 26km, mb3.6/2, mb1 3.6/7, mb1mx3.1/8, mbtmp3.9/7, Error ellipse: s-maj=48.6km s-min=18.5km az=93.0

NEIC 15 08:47:53.8:0.0, 59.97N, 153.03W, h119km, ML3.2(AEIC), Off AEIC

ISC 15 08:47:52.9:1.0, 59.98N, 0.04:153.02W:0.05, h123km, 7km, n90, r08/76, 99, Southern Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like ILS Iliamna Low So, RDWB Redoubt West, RDWB Redoubt Jeurge, etc.

DMR Palmer, KNK King Glacier, GHO Glory Hole Cre, OHAK Old Harbor, etc.

ISC 15 08:50:08.0:0.5, 29.19N, 0.04:138.9E:0.1, h450km, mb3.6/15, Error ellipse: s-maj=13.0km s-min=4.8km az=166.4

IDC 15 08:50:08.9:0.8, 29.18N, 138.97E, h448km, 8km, mb3.3/15, mb1 3.4/19, mb1mx3.2/7, mbtmp4.1/19, Error ellipse: s-maj=20.2km s-min=7.8km az=86.0

JMA 15 08:50:09.0:3.0, 29.25N, 139.03E, h443km, M3.9

ISC 15 08:50:09.3:0.0, 29.24N, 0.07:139.0E:0.2, h450km, n28, r138/38, mb3.7/15, Southeast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like CBJ Chichi jima, JCH Chichijima, JCY 77m, 0.3s, baz=307, slow=20, SNR=41, etc.

RES Resolute Bay 25.33 32 P P 08 53 10.0 +2.4

ULM Lac du Bonnet 33.09 81 P P 08 54 15.6 -0.9

IDC 15 08:48:51.8:5.9, 5.70S, 147.38E, h198km, 69km, mb3.5/1, mb1 3.7/3, mb1mx3.0/5, mbtmp4.1/3, Error ellipse: s-maj=137.6km s-min=44.5km az=122.0, Eastern New Guinea region

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

IDC 15 08:49:17.4:3.1, 54.10N, 87.40E, h0km, mb1 2.8/2, mb1mx2.7/7.4, mbtmp2.8/2, ML2.5/2, Error ellipse: s-maj=26.1km s-min=16.9km az=58.0, Southeastern Siberia

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

ISC 15 08:50:08.0:0.5, 29.19N, 0.04:138.9E:0.1, h450km, mb3.6/15, Error ellipse: s-maj=13.0km s-min=4.8km az=166.4

IDC 15 08:50:08.9:0.8, 29.18N, 138.97E, h448km, 8km, mb3.3/15, mb1 3.4/19, mb1mx3.2/7, mbtmp4.1/19, Error ellipse: s-maj=20.2km s-min=7.8km az=86.0

JMA 15 08:50:09.0:3.0, 29.25N, 139.03E, h443km, M3.9

ISC 15 08:50:09.3:0.0, 29.24N, 0.07:139.0E:0.2, h450km, n28, r138/38, mb3.7/15, Southeast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like BSO1 Boso 1, BSO2 Boso 2, BSO3 Boso 3, etc.

**15d 08:56:06.3z.2.8.53.54N:87.82E, h0km, mbl 3.3/2, mb1mx3.0/70, mbtmp3.2/82, ML2.8/2, Error ellipse: s-maj=26.8km s-min=16.7km az=57.0, Southwestern Siberia**  
 Code Station Name  $\Delta^\circ$  AZ $^\circ$  Phase ID Time Res h m s ISC  
**I46RU ZALESOVO INFRA 1.83 284 I** Op ISC 09 08 05.7  
**ZALV Zalesovo Beam 1.83 284 Pn** Pn 08 56 38.0 +0.9  
**ZALV 3.2nm, 0.3s, baz=103, slow=11, SNR=32**  
**KURBB Kurchatov Arra 6.43 247 Pn** Pn 08 57 42.8 +0.7  
**0.2nm, 0.3s, baz=62, slow=14, SNR=18**  
**KURBB baz=62, slow=34, SNR=3.0** Lg Pn 08 59 29.9  
**MKAR Makanchi Arry 7.63 210 Pn** Pn 08 57 59.9 +1.3  
**0.2nm, 0.3s, baz=29, slow=12, SNR=8.6**  
**MKAR PFO Pinyon Flats 0 0 0 Lg** Lg 08 50 07.3  
**0.1nm, 0.3s, baz=36, slow=31, SNR=6.1**

**15d 09:03:55.9.0.5.53.22S:23.41E, h0km, mb4.3/16, mb1 4.4/16, mb1mx3.4/42, mbtmp3.4/16, MS3.7/21, Ms1 3.7/21, ms1mx3.5/40, Error ellipse: s-maj=19.8km s-min=13.3km az=76.0**  
**ISCJJB 15 09:03:56.1.0.3.53.16S:0.06:23.4E:0.1, h0km, mb4.6/25, MS3.7/21, Error ellipse: s-maj=10.7km s-min=8.1km az=174.4**  
**NEIC 15 09:03:57.9.0.2.53.21S:23.37E, h10km, mb4.7/15, Error ellipse: s-maj=8.7km s-min=7.1km az=61.0**  
**ISC 15 09:03:57.4.0.5.53.22S:0.08:23.5E:0.1, h0km, 2km**  
**15d 09:03:57.4.0.5.53.22S:0.08:23.5E:0.1, h0km, 2km**  
**South of Africa**  
 Code Station Name  $\Delta^\circ$  AZ $^\circ$  Phase ID Time Res h m s ISC

Code	Station Name	$\Delta^\circ$	AZ $^\circ$	Phase ID	Time	Res	h	m	s	ISC
SYO	Syowa Base	17.55	1611	ePn	09 07 59.2	-2.6				
SYO	Syowa Base	17.55	1611	eP	09 08 02.8	-0.1				
SUR	Sutherland	20.92	354	eP	09 08 40.1	-0.2				
SUR	1.3nm, 0.8s, baz=165, slow=9.1, SNR=14			LR	09 15 00.5					
SUR	comp=2.22nm, 20.9s, baz=177, slow=32			LR	09 15 00.5					
SUR	Sutherland	20.92	354	eP	09 08 41.1	+0.9				
SUR	2.1nm, 0.8s			LR	09 15 00.5					
SNA	Sanae	21.79	202	P	09 08 50.1	+0.9				
SNA	Sanae	21.79	202	P	09 08 49.2	0.0				
SNA	14nm, 0.9s, baz=54, slow=9.0, SNR=31			LR	09 15 01.9					
SNA	comp=2.363nm, 21.8s, baz=48, slow=31			LR	09 15 01.9					
SNA	Sanae	21.79	202	eP	09 08 50.0	+0.7				
SNA	52nm, 1.2s			LR	09 15 01.9					
VNA	Neumayer-Watz	22.43	206	P	09 08 56.8	+0.7				
VNA	baz=40, slow=9.7			LR	09 08 56.8	+0.7				
VNA	Neumayer-Stat	22.51	207	P	09 08 59.4	+2.5				
VNA	Neumayer Olymp	23.22	207	P	09 09 05.1	+0.8				
MAW	Mawson	23.65	143	P	09 09 08.9	+0.4				
MAW	4.8nm, 0.8s, baz=290, slow=9.1, SNR=9.3			LR	09 17 03.1					
MAW	comp=2.95nm, 19.1s, baz=236, slow=33			LR	09 17 03.1					
MAW	Mawson	23.65	143	eP	09 09 10.4	+1.9				
MAW	2.2nm, 1.0s			LR	09 17 03.1					
BOS	Bosho	24.62	4	P	09 09 18.2	+0.2				
BOS	3.5nm, 0.8s, baz=180, slow=12, SNR=6.7			LR	09 16 57.2					
BOS	comp=2.219nm, 21.9s, baz=176, slow=32			LR	09 16 57.2					
LBTB	Labatse	28.21	4	P	09 09 50.2	-0.3				
LBTB	6.9nm, 0.8s, baz=186, slow=8.5, SNR=10			LR	09 19 06.6					
LBTB	comp=2.171nm, 21.3s, baz=182, slow=32			LR	09 19 06.6					
PAF	Port-aux-Franc	29.09	102	eP	09 09 58.1	+0.2				
PAF	314nm, 1.4s			LR	09 09 58.1	+0.2				
HOPE	Hope Point	34.52	244	eP	09 10 46.5	+1.0				
HOPE	37nm, 1.5s			LR	09 10 46.5	+1.0				
QSPA	South Pole Qui	37.00	180	P	09 11 06.9	-0.1				
QSPA	5.5nm, 0.6s, baz=238, slow=2.4, SNR=15			LR	09 25 00.1					
QSPA	comp=2.178nm, 21.6s, baz=240, slow=34			LR	09 25 00.1					
QSPA	South Pole Qui	37.00	180	eP	09 11 06.9	-0.1				
QSPA	11nm, 0.8s			LR	09 25 00.1					
RER	River de l'E	40.44	50	eP	09 11 30.2	-5.9				
RER	151nm, 1.4s			LR	09 11 30.2	-5.9				
VNDA	Vanda	47.00	169	P	09 12 27.7	-0.4				
VNDA	1.3nm, 0.6s, baz=222, slow=5.9, SNR=16			LR	09 13 59.2	-0.9				
VNDA	1.5nm, 0.8s, baz=246, slow=4.7, SNR=8			LR	09 13 59.2	-0.9				
VNDA	comp=2.177nm, 19.8s, baz=198, slow=35			LR	09 13 59.2	-0.9				
VNDA	Vanda	47.00	169	eP	09 12 28.1	0.0				
VNDA	4.2nm, 0.8s			LR	09 12 28.1	0.0				
H10S2	ASCENSION HYDR5.76 311 T			T	10 11 31.6					
H10S2	baz=152, slow=75, SNR=16			LR	10 11 31.6					
H10S3	ASCENSION HYDR5.77 311 T			T	10 11 31.5					
H10S3	baz=152, slow=75, SNR=20			LR	10 11 33.0					
H10S4	ASCENSION HYDR.78 311 T			T	10 11 33.0					
H10S4	baz=152, slow=75, SNR=21			LR	10 11 33.0					
TRQA	Tornquist	58.11	248	eP	09 13 50.7	-0.3				
TRQA	6.6nm, 0.8s			LR	09 13 50.7	-0.3				
PLCA	Paso Flores	60.82	240	P	09 14 09.6	-0.1				
PLCA	1.7nm, 0.8s, baz=156, slow=9.6, SNR=5.0			LR	09 36 52.1					
PLCA	comp=2.47nm, 19.2s, baz=206, slow=32			LR	09 36 52.1					
H10W2	Cape Leeuwin H	63.31	113	T	10 23 54.0					
H10W2	baz=223, slow=75, SNR=6.5			LR	10 23 58.8					
H10W3	Cape Leeuwin H	63.33	113	T	10 23 58.8					
H10W3	baz=223, slow=75, SNR=5.6			LR	10 23 57.8					
H10W1	Cape Leeuwin H	63.33	113	T	10 23 57.8					
H10W1	baz=223, slow=75, SNR=6.5			LR	09 14 30.4	-0.4				
CPUP	Villa Florida	63.96	260	P	09 14 30.4	-0.4				
CPUP	3.3nm, 0.9s, baz=136, slow=6.3, SNR=12			LR	09 37 14.2					
CPUP	comp=2.54nm, 20.1s, baz=179, slow=31			LR	09 37 14.2					
CPUP	Villa Florida	63.96	260	eP	09 14 30.1	-0.7				
CPUP	2.9nm, 0.8s			LR	09 14 30.1	-0.7				
DBIC	Dimbokro	64.30	328	P	09 14 32.5	-0.5				
DBIC	6.4nm, 1.0s, baz=144, slow=9.1, SNR=3.9			LR	09 36 01.2					
DBIC	comp=2.43nm, 21.2s, baz=140, slow=30			LR	09 36 01.2					
DBIC	Dimbokro	64.30	328	eP	09 14 32.5	-0.5				
DBIC	10nm, 1.1s			LR	09 14 32.5	-0.5				
MCQ	Macquarie Isla	66.50	154	eP	09 14 47.9	+1.0				
MCQ	128nm, 1.4s			LR	09 14 47.9	+1.0				
ATD	Arta Tunnel	66.60	21	LR	09 42 04.1					
ATD	comp=2.45nm, 20.9s, baz=349, slow=34			LR	09 42 04.1					
TOAO	Torodi Arr. Sit	68.69	337	eP	09 15 01.2	+0.1				
TORD	Torodi Arr. Bea	68.69	337	eP	09 15 00.8	-0.2				
TORD	4.2nm, 0.8s, baz=172, slow=6.4, SNR=16			LR	09 15 00.8	-0.2				
TOA1	Torodi Arr. Sit	68.69	337	eP	09 15 00.8	-0.2				
KOWA	Kowa	71.46	332	LR	09 44 11.3					
KOWA	comp=2.19nm, 18.4s, baz=204, slow=34			LR	09 44 11.3					
SIV	San Ignacio	74.10	265	P	09 15 33.3	-0.7				
SIV	1.0nm, 0.8s, baz=145, slow=9.5, SNR=7.7			LR	09 15 33.3	-0.7				
LPAZ	La Paz	78.06	259	P	09 15 57.4	+0.1				
LPAZ	0.9nm, 0.8s, baz=206, slow=8.3, SNR=5.0			LR	09 15 56.7	-0.6				
LPAZ	La Paz	78.06	259	eP	09 15 56.7	-0.6				
STKA	Stevens Creek	79.71	130	P	09 16 05.1	-0.3				
STKA	3.8nm, 0.8s, baz=220, slow=4.8, SNR=6.7			LR	09 16 05.8	+0.4				
STKA	Stevens Creek	79.71	130	eP	09 16 05.8	+0.4				
STKA	1.0nm, 0.9s			LR	09 16 05.8	+0.4				
SAML	Samuel	80.89	267	eP	09 16 11.9	0.0				
SAML	6.9nm, 0.8s			LR	09 16 11.9	0.0				
WSAR	Wadi Sarin	82.03	32	LR	09 47 02.5					
WSAR	comp=2.41nm, 19.5s, baz=197, slow=32			LR	09 47 02.5					
ASAR	Alice Springs	82.75	120	eP	09 16 21.9	+0.2				
ASAR	4.2nm, 0.8s, baz=208, slow=6.5, SNR=30			LR	09 16 21.9	+0.2				
AS31	Alice Springs	82.75	120	eP	09 16 21.8	+0.1				
AS31	1.4nm, 0.8s			LR	09 16 21.5	-0.3				
AS01	Alice Springs	82.78	120	eP	09 16 21.5	-0.3				
WR1	Warramunga Arr	86.03	118	eP	09 16 38.1	-0.3				
WR1	2.7nm, 0.8s			LR	09 16 38.1	-0.3				
WRA	Warramunga Arr	86.03	118	P	09 16 38.1	-0.3				
WRA	4.4nm, 0.8s, baz=208, slow=3.6, SNR=12			LR	09 16 38.7	+0.3				
WRAB	Tennant Creek	86.05	118	eP	09 16 38.7	+0.3				
WRAB	19nm, 1.3s			LR	09 53 02.4					
MMAI	Mount Meron Ar	86.50	10	LR	09 53 02.4					
MMAI	comp=2.43nm, 21.8s, baz=130, slow=34			LR	09 53 02.4					
IDI	Anovia	88.15	1	LR	09 58 58.3					
IDI	comp=2.49nm, 18.1s, baz=184, slow=38			LR	09 58 58.3					
KEST	Kesra	89.43	349	LR	09 57 06.7					
KEST	comp=2.64nm, 20.1s, baz=274, slow=36			LR	09 57 06.7					
RPN	Rapa Nui	90.99	221	LR	09 51 28.0					
RPN	comp=2.26nm, 20.7s, baz=92, slow=32			LR	09 51 28.0					
BR101	Reskin Array S	92.99	8	P	09 17 11.2	+0.6				
BR101	comp=2.26nm, 20.7s, baz=92, slow=32			P	09 17 11.2	+0.6				
BR101	Reskin Array B	92.99	8	P	09 17 11.2	+0.6				
BR101	comp=2.26nm, 20.7s, baz=92, slow=32			P	09 17 11.2	+0.6				

**0.9nm, 0.8s, baz=172, slow=10.0, SNR=4.9**  
**GNI Garni 94.80 16 LR** LR 10 00 23.3  
**comp=2.53nm, 19.4s, baz=186, slow=36**  
**CMAR Chiang Mai Arr 96.23 68 LR** LR 09 53 02.0  
**comp=1.93nm, 19.1s, baz=196, slow=31**  
**KBZ Khabaz 98.11 14 LR** LR 10 03 30.5  
**comp=2.38nm, 18.2s, baz=138, slow=36**  
**SDV Santo Domingo 99.49 27 LR** LR 10 00 50.8  
**comp=2.99nm, 21.4s, baz=165, slow=34**  
**CD2 Chengdu 108.75 63 Pdif** Pdif 09 18 22.9 +1.4  
**CUSAR Lajitas Arr 134.92 260 PKP** PKP 09 23 167 +0.2  
**0.5nm, 0.9s, baz=151, slow=2.9, SNR=5.5**  
**MVCO Mesa Verde 143.32 264 ePKPpre** ePKPpre 09 23 29.1  
**WUPAKI Wupakiti 143.89 259 ePKPpre** ePKPpre 09 23 30.3  
**RSSD Black Hills 144.87 277 ePKP** ePKP 09 23 33.3 -0.1  
**O2OA White River Ci 145.04 266 ePKPbc** ePKPbc 09 23 34.1 0.0  
**U15A North Rim 145.06 259 ePKPbc** ePKPbc 09 23 34.4 0.0  
**W13A Hualapai Mount 145.07 256 ePKPbc** ePKPbc 09 23 34.5 +0.2  
**RWVY Rawlins 145.37 271 ePKPbc** ePKPbc 09 23 35.1 -0.1  
**XPFO Pison Flat 145.50 252 ePKP** ePKP 09 23 35.4 -0.1  
**PFO Pinyon Flats 0 0 0 PPKP** PPKP 09 23 35.4 -0.1  
**K22A Casper 145.52 273 ePKP** ePKP 09 23 35.1 -0.2  
**KNB Kanab 145.77 260 ePKP** ePKP 09 23 36.6 +0.1  
**FCC Fort Churchill 145.77 265 ePKP** ePKP 09 23 35.5 0.0  
**SRU San Rafael Ave 145.77 265 ePKP** ePKP

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Agios Georgios, Nestorio, Riolos of Patr, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Arkit, Arslanbob, Sufi-Kurgan, etc.

ISK 15 10:02:06.5, 38°66'N, 35°77'E, h5km, ML2.2/8, Suspected Mining explosion.

DDA 15 10:02:06.3, 38°58'N, 35°77'E, h7km, ML2.6

ISCJB 15 10:02:07.1, 0.4, 38°62'N, 02:35.74E, 0.04h, h0km, Error ellipse: s-maj=4.9km, s-min=3.1km, az=5.6

CSEM 15 10:02:07.5, 0.2, 38°64'N, 35°76'E, h2km, ML2.2, Error ellipse: s-maj=5.6km, s-min=3.5km, az=88.0

ISC 15 10:02:07.0, 0.8, 38°61'N, 02:35.75E, 0.03h, h0km, m28, c093/45, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Bunyan, KAYSERI\_Yahyal, ADANA, etc.

ellipose: s-maj=5.8km, s-min=4.4km, az=61.0

ISC 15 10:05:47.8, 3.6, 37°0N, 01:12.3W, 0.2, h10km, n36, c1552/61, 1D, Azores-Cape St. Vincent Ridge

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

0.8nm, 0.8s, baz=116, slow=6.3, SNR=8.2

KRNET 15 10:15:46.9, 0.1, 41°00'N, 71°48'E, h17km, mb2.4

SOME 15 10:15:46.9, 41°10'N, 71°43'E, h0km

NMC 15 10:15:49.8, 3.3, 41°07'N, 71°76'E, h0km, mb3.1, mpv2.8

Error ellipse: s-maj=33.2km, s-min=13.7km, az=74.0

ISC 15 10:15:46.4, 1.2, 41°02'N, 03:17.57E, 0.04h, h17km, m28, c1922/47, 22C-14D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Arkit, Arslanbob, Sufi-Kurgan, etc.

MDD 15 10:05:48.2, 5.2, 36°91'N, 12°26'W, h0km, mb3.6/11, Error ellipse: s-maj=22.7km, s-min=18.6km, az=49.0, PRXIMO

INMG 15 10:05:50.0, 1.2, 36°74'N, 12°63'W, h10km, ML2.5, Error

NEIC 15 10:19:33.4, 0.0, 40°39'N, 125°42'W, h24km, MW4.1 (BRK), After NCEDC.

NEIC Fall at Crescent City and Fort Bragg.

IDC 15 10:19:34.2, 2.2, 40°54'N, 125°00'W, h0km, mb3.3/3,

M1 3.5/7, mb1mx3.4/71, mbmp3.6/71, ML3.3/4, MS2.6/2,

M1 2.6/2, ms1mx2.4/23, Error ellipse: s-maj=25.2km

s-min=16.8km, az=107.0

ISC 15 10:19:33.6, 2.0, 40°40'N, 04:12.529W, 0.08h,

h16km, m12km, n159, c169/189, Off coast of northern California

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

GSNM	Snow Mountain	2.18 131	ePn	Pn	10 20 07.2	-2.1
HOPS	Hoiland Field	2.21 129	ePn	Pn	10 20 07.8	-1.8
HOPS			eSn	Pn	10 20 35.1	-1.5
GHLM	Highland Sprin	2.21 127	ePn	Pn	10 20 08.1	-1.7
YBHB	Yreka Blue Ridge	2.28 123	ePn	Pn	10 20 10.3	-0.7
YBHB	Yreka Blue Hor	2.36 55	ePn	Pn	10 20 11.0	-0.7
YBHB		5.5nm,0.3s,baz=248,slow=10,SNR=222				
YBHB		6.8nm,0.3s,baz=103,slow=14,SNR=7				
YBHB	Yreka Blue Hor	2.36 55	ePn	Pn	10 20 10.6	-1.1
YBHB		comp=2,84nm,19.8s,baz=150,slow=40				
GACM	Mount Konoctai	2.40 126	eSn	Pn	10 20 36.8	-3.6
GACM	Adobe Creek	2.41 128	ePn	Pn	10 20 32.0	+0.5
GDXM	Geyzers	2.50 129	ePn	Pn	10 20 13.7	+0.1
GDXM			eSn	Pn	10 20 43.1	-0.6
LGBM	Gray Butte	2.53 67	ePn	Pn	10 20 14.1	-0.1
KEBM	Edson Butte	2.57 16	ePn	Pn	10 20 13.1	-1.5
KEBM			eSn	Pn	10 20 43.8	-1.8
NMNCN	Mill Creek, So	2.58 134	ePn	Pn	10 20 14.6	0.0
B040	Montague	2.59 56	ePn	Pn	10 20 15.6	+0.7
LMPM	Military Pass	2.60 64	ePn	Pn	10 20 15.5	+0.3
O03D	Paynes Creek	2.66 91	ePn	Pn	10 20 15.1	-0.9
O03D		baz=274,SNR=59				
O03D		baz=274				
O03D	Paynes Creek	2.66 91	ePn	Pn	10 20 15.2	-0.7
HUMO	Hull Mountain	2.81 38	ePn	Pn	10 20 16.8	-1.1
HUMO			eSn	Pn	10 20 36.0	-1.5
LGMM	Garner Mountain	2.87 64	ePn	Pn	10 20 18.9	0.0
OSUM	Sutter Buttes	2.87 112	ePn	Pn	10 20 18.1	-0.6
MGL	Magalia	2.92 100	ePn	Pn	10 20 18.8	-0.7
MCCM	Marconi Confer	2.92 140	ePn	Pn	10 20 17.9	-1.5
MCCM			eSn	Pn	10 20 54.4	+0.2
M04C	Macdoel	2.95 61	ePn	Pn	10 20 19.4	-0.5
M04C		baz=244,SNR=63				
NBRB	Beebe Ranch Br	3.01 134	ePn	Pn	10 20 19.9	-0.7
LBCM	Butte Creek Ri	3.03 80	ePn	Pn	10 20 21.0	-0.0
ORV	Oroville	3.03 105	ePn	Pn	10 20 19.8	-1.1
ORV			eSn	Pn	10 20 35.0	-1.0
NDHM	Dunnigan Hills	3.08 121	ePn	Pn	10 20 22.6	+1.2
SNT	Sears Point	3.12 134	ePn	Pn	10 20 21.5	-0.6
K04D	Chiloquin, OR	3.46 49	ePn	Pn	10 20 27.8	+0.9
SAC	San Andreas	3.59 141	ePn	Pn	10 20 27.8	-0.8
I03D	Drain, OR	3.60 23	ePn	Pn	10 20 28.5	-0.1
I03D		baz=205,SNR=12				
I03D		baz=205				
AFDM	Forest Hills D	3.63 112	ePn	Pn	10 20 29.1	0.0
AFDM			eSn	Pn	10 21 11.1	-0.6
J04D	Umpqua Natona	3.70 39	ePn	Pn	10 20 31.2	+1.0
J04D		baz=222,SNR=54				
BEKR	Beckworth	3.81 96	ePn	Pn	10 20 32.6	+0.8
BEKR			eSn	Pn	10 20 35.2	+0.9
I04A	Tendrick Farm	4.01 31	ePn	Pn	10 20 35.2	+0.9
I04A		baz=214,SNR=38				
K05A	Summer Lake	4.03 53	ePn	Pn	10 20 35.9	+1.0
K05A			eSn	Pn	10 21 21.7	-0.1
MDG	Modoc Plateau	4.05 67	ePn	Pn	10 20 33.6	-1.5
RDG13	Poverty Ridge	4.05 136	ePn	Pn	10 21 22.7	+0.5
J05D	Fort Rock, OR	4.18 45	ePn	Pn	10 20 37.4	+0.6
RUBR	Rubicon Trail	4.18 107	ePn	Pn	10 20 36.5	-0.4
RUBR			eSn	Pn	10 21 26.6	+1.1
IRO	Indian Ridge	4.25 31	ePn	Pn	10 20 38.6	+0.8
COR	Corvallis	4.43 19	ePn	Pn	10 20 40.6	+0.5
COR			eSn	Pn	10 21 31.2	-0.1
VCNR	Virginia City	4.47 102	ePn	Pn	10 20 42.0	+1.0
VCNR			eSn	Pn	10 21 32.4	-0.4
CMB	Columbia Colle	4.48 120	ePn	Pn	10 20 42.0	+1.2
PNTR	Pine Nut	4.57 105	ePn	Pn	10 20 44.1	+1.8
PAHR	Pah Rah Range	4.58 97	ePn	Pn	10 20 42.2	-0.1
PAHR			eSn	Pn	10 21 34.2	-1.1
PINE	Pine Mountain	4.68 42	ePn	Pn	10 20 44.4	+0.6
SAO	San Andreas Ge	4.71 139	ePn	Pn	10 20 42.0	-2.1
SAO			eSn	Pn	10 21 36.9	-1.5
H04A	Detroit Lake	4.85 27	ePn	Pn	10 20 46.5	+0.6
H04A			eSn	Pn	10 21 40.5	-1.3
YERR	Yerfington	4.87 105	ePn	Pn	10 20 48.0	+1.6
YERR			eSn	Pn	10 21 42.1	+0.5
I05D	Terrebonne, OR	4.91 35	ePn	Pn	10 20 47.4	+0.8
WAKR	Walker	4.91 111	ePn	Pn	10 20 48.8	+1.9
G03D	McMinnville, O	5.03 17	ePn	Pn	10 20 49.1	+0.8
G03D		baz=198,SNR=3.8				
G03D		baz=198				
WVOR	Wild Horse Val	5.39 66	ePn	Pn	10 20 53.7	+0.2
PMPB	Monarch Peak	5.47 138	ePn	Pn	10 20 53.5	-0.9
RYN	Ryan	5.52 107	ePn	Pn	10 20 56.4	+1.5
TDH	Tom, Dick, Har	5.52 27	ePn	Pn	10 20 56.4	+1.1
MDPB	Devils Postpil	5.57 118	ePn	Pn	10 20 56.3	+0.3
OMMB	Old Mammoth Mi	5.63 118	ePn	Pn	10 20 59.2	+2.3
G05D	Wamic, OR	5.65 30	ePn	Pn	10 20 57.7	+0.8
G05D		baz=213,SNR=8.0				
I07A	Izen	5.65 47	ePn	Pn	10 20 59.0	+2.1
F03A	Seaside	5.67 12	ePn	Pn	10 20 57.7	+0.6
KVN	Kaisererville	5.70 101	ePn	Pn	10 20 58.1	+0.3
MLAC	Mammoth, Mammo	5.73 117	ePn	Pn	10 21 01.2	+3.0
MLAC		baz=301				
NV01	Mina Array Sit	5.75 108	ePn	Pn	10 21 00.0	+1.5
NVAR	Mina Array Bea	5.75 108	ePn	Pn	10 20 59.7	+1.1
NVAR		baz=281,slow=15,SNR=16				
NV11	Mina Array Sit	5.86 107	ePn	Pn	10 21 01.1	+1.2
J08A	Circle Bar Ran	5.88 58	ePn	Pn	10 21 02.7	0.0
J08A			eSn	Pn	10 22 07.2	0.0
G06A	Carlson Farm,	5.92 34	ePn	Pn	10 21 01.7	+1.1
LVP	Lakeview Peak	6.04 19	ePn	Pn	10 21 02.8	+0.4
PAGB	Antelope Grade	6.12 138	ePn	Pn	10 21 02.5	-0.9
PAGB			eSn	Pn	10 22 10.1	-3.0
EMIN	Battle Mountai	6.15 87	ePn	Pn	10 21 04.7	+0.5
VALT	Mount Saint He	6.23 20	eSn	Sb	10 22 07.2	-8.8
VALT			eSg	Sb	10 22 44.0	+7.8
E03A	Lebam	6.27 11	ePn	Pn	10 21 04.6	-0.7
G08A	Pilot Rock	6.74 41	ePn	Pn	10 21 11.5	-0.5
F07A	Phinny Hill Vi	6.75 34	ePn	Pn	10 21 11.6	-0.2
ISA	Isabella Lake	7.15 129	ePn	Pn	10 21 17.1	+0.6
HAWA	Hanford	7.31 33	ePn	Pn	10 21 19.7	+0.1
DAC	Darwin (Calif)	7.31 122	ePn	Pn	10 21 18.9	-1.0
BMO	Blue Mountains	7.38 50	ePn	Pn	10 21 22.9	+2.2
KDKW	Coast Env Snt	7.50 15	ePn	Pn	10 21 17.3	-4.9
E08A	Dider Farm, El	7.59 35	ePn	Pn	10 21 23.4	0.0
LTY	Liberty	7.62 24	ePn	Pn	10 21 24.9	+0.9
ELK	Elko	7.66 84	ePn	Pn	10 21 24.7	+0.1
ELK		0.1nm,0.3s,baz=18,slow=20,SNR=2.2				
MPFD	Camas Ranch	7.67 64	ePn	Pn	10 21 27.1	+2.4
HTW	Haystack Looko	7.82 18	ePn	Pn	10 21 28.3	+1.6
D08A	Wollman Farm	8.09 33	ePn	Pn	10 21 29.8	-0.6
F10A	Beach Ranch, E	8.10 44	ePn	Pn	10 21 33.1	+2.5
MWC	Mount Wilson	8.43 135	ePn	Pn	10 21 36.6	+1.3
SNCC	San Nicolas Is	8.50 145	ePn	Pn	10 21 35.1	-1.0
SNCC			eSn	Pn	10 23 11.6	-0.0
MIH2	Hailey	8.69 65	ePn	Pn	10 21 40.4	+1.8
SHPR	Sheep Range	8.84 113	ePn	Pn	10 21 41.9	+1.1
B08A	Colville Reser	9.02 26	ePn	Pn	10 21 44.4	+1.3
B08A			eSn	Pn	10 23 21.4	-3.0
PSUT	Pine Spring	9.04 98	ePn	Pn	10 21 44.2	+0.7
PSUT			eSn	Pn	10 23 25.6	+0.0
BUG	Big Grassy Mou	9.33 83	ePn	Pn	10 21 49.4	+1.8
DUG	Dugway, Tooele	9.53 87	ePn	Pn	10 21 50.6	+0.3
HVU	Hansel Valley	9.55 78	ePn	Pn	10 21 51.4	+0.9
LDFC	Landfair	9.65 120	ePn	Pn	10 21 48.9	-3.0
PFO	Pinyon Flats O	9.78 131	ePn	Pn	10 21 53.4	-0.3
XPFO	Pison Flat	9.78 131	ePn	Pn	10 21 53.3	-0.4
NEW	Newport	9.79 34	LR	LR	10 25 45.8	
TCRU	Three Creeks R	10.08 96	ePn	Pn	10 21 58.0	+0.1
NLMU	North Lily Mtn	10.12 88	ePn	Pn	10 21 58.7	+0.2
NLMU	McKenzie Canyo	10.18 60	ePn	Pn	10 21 53.1	+2.1
MSU	Maryszie Canyo	10.33 96	ePn	Pn	10 22 03.3	+2.5
MSO	Missoula	10.43 48	ePn	Pn	10 22 04.5	+1.9
MSO			eSn	Pn	10 23 57.7	-1.4
HWUT	Haward Ranch	10.46 79	ePn	Pn	10 22 05.5	+2.7
W13A	Hualapai Mount	10.46 17	ePn	Pn	10 22 03.4	+0.3
BLMT	Dillon	10.55 58	ePn	Pn	10 22 05.8	+1.2
TCUT	Toone Canyon	10.55 82	ePn	Pn	10 22 07.8	+3.5
JTMT	Jette	10.79 43	ePn	Pn	10 22 08.8	+1.3

TMUT	Trail Mountain	10.88 91	ePn	Pn	10 22 09.9	+1.0
U15A	North Rim	10.94 107	ePn	Pn	10 22 11.4	+1.7
FXVY	Fox Creek	11.09 68	ePn	Pn	10 22 15.3	+3.6
IMV	Indian Meadow	11.21 67	ePn	Pn	10 22 15.3	+2.0
SNOW	Snow King Moun	11.25 69	ePn	Pn	10 22 16.8	+2.9
MOHW	Moore Hill	11.26 89	ePn	Pn	10 22 16.1	+1.1
MOOW	Moose Ponds	11.31 68	ePn	Pn	10 22 17.3	+2.6
LOOH	Long Hollow	11.38 69	ePn	Pn	10 22 17.7	+2.0
YRP	Pitchstone Pla	11.39 65	ePn	Pn	10 22 20.1	+4.2
SRP	San Rafael Swe	11.44 92	ePn	Pn	10 22 17.0	+0.6
VHH	Holmes Hill	11.51 63	ePn	Pn	10 22 18.3	+0.8
P16A	Preston Nutter	11.56 60	ePn	Pn	10 22 18.0	-0.2
H17A	Grant Village	11.58 65	ePn	Pn	10 22 18.1	-0.3
HRV	Holter Researc	11.62 53	ePn	Pn	10 22 19.3	+0.6
PDAR	Pinedale Array	12.01 74	ePn	Pn	10 22 26.9	+2.6
GCMT	Greycliff	12.62 60	ePn	Pn	10 22 34.1	+1.6
P04T	Paradise Valley	12.83 94	ePn	Pn	10 22 34.5	-1.0
TXAR	Lajitas Array	20.84 115	ePn	Pn	10 24 17.6	+0.5
ULM	Lac du Bonnet	22.77 55	ePn	P	10 24 35.4	+0.3
ULM		4.4nm,0.9s,baz=296,slow=13,SNR=5.4				
YKA	Yellowknife Ar	23.04 13	ePn	P	10 24 38.6	+0.9
YKA		0.4nm,0.8s,baz=198,slow=9.5,SNR=7.1				
YKBS	Yellowknife Ar	23.04 13	ePn	P	10 24 38.6	+0.9
H1N3	WAKE ISLAND Hy	60.77 272	T	T	11 35 41.1	
H1N2	WAKE ISLAND Hy	60.77 272	T	T	11 35 31.4	
H1N1	WAKE ISLAND Hy	60.77 272	T	T	11 35 32.4	

DJA 15 10:27:31.8:0.4:5"N:3:97E+,h14km:3km,M3.9/6,  
MLv3.9/6,Northern Sumatera

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
LHMI	Lhok Sumawe	0.12 246		Op	Pb	10 27 36.7	+0.7
LHMI				S	Pb	10 27 37.1	+0.5
MLSI	Meulaboh, Aceh	1.20 213	P	S	Pb	10 27 53.4	-0.8
MLSI				S	Sb	10 28 09.8	+0.1
BSI	Banda Aceh	1.77 277	P	S	Pb	10 28 02.0	0.0
BSI				S	Sb	10 28 25.0	+0.6
KCSI	Kotacane, Aceh	1.89 158	S	S	Pb	10 28 27.7	+0.5
KCSI				S	Sb	10 28 06.0	+0.7
TPTI		2.01 177	P	S			



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Trail Mountain, Hansel Valley, Chengdu, etc.

MEX 15:10:36:00.9.0.3, 16:10N:98.29W, h3km, 2km, MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Pinotepa, Tiapa, Acapulco, etc.

MAN 15:10:54:16.3, 10:43N:124.72E, h6km, mb4.5, ML3.3, MS3.1, 3C-1D, Leyte

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Maasin, Orlmoc, Lapu-Lapu, etc.

MEX 15:11:02:15.4.0.5, 15:23N:93.30W, h79km, 7km, MD3.5, Near coast of Chiapas

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

IDC 15:11:02:33.9.3.9, 11:61S:115.96E, h0km, mb3.7/4, mb1 3.7/6, mb1mx3.5/5, mbtmp3.6/6, ML3.4/2, MS2.5/1, Ms1 2.5/1, ms1mx2.2/5.1, Error ellipse: s-maj=2.517km, s-min=20.6km az=45.0, South of Bali

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Fitzy Crossi, Warramunga Arr, etc.

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

ATH 15:11:31:18.2, 41.53N:20.22E, h17km, 4km, ML2.8/2, Error ellipse: s-maj=6.4km s-min=2.2km az=145.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SKO 15:11:31:18.6, PVO 15:11:31:18.3, etc.

Code Station Name Az AzZ Phase ID Time Res

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like OHR, KRUS, ULC, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BRY Bratogost, PLE Pljevlja, etc.

KRNET 15:11:59:50.9.0.1, 40.77N:69.48E, mb2.3

NNC 15:11:59:54.9.5.1, 40.67N:70.04E, h0km, mb2.6, mpv2.2, Error ellipse: s-maj=49.5km s-min=24.7km az=52.0

ISC 15:11:59:55.7.3.1, 40.59N:0.08:69.4E:0.2, h35km, n9, r126/15, 11C-5D, Tajikistan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Batken, ARK, ARS, etc.

NEIC 15:12:14:02.3.0.0, 15.85N:93.72W, h93km, MD4.0 (MEX), After MEX

MEX 15:12:14:02.3.0.0, 15.85N:93.72W, h93km, 4km, MD4.0, Near coast of Chiapas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PCIG, TUIG, CACIG, etc.

ISK 15:12:16:08.8, 37.94N:28.90E, h21km, ML2.3/2

ISC/JB 15:12:16:09.5.1.1, 37.94N:0.04:28.95E:0.06, h27km, 10km, Error ellipse: s-maj=8.6km s-min=7.4km az=164.8

CSEM 15:12:16:09.4.0.1, 37.94N:28.95E, h21km, 2km, ML2.3, Error ellipse: s-maj=3.4km s-min=2.8km az=83.0

DDA 15:12:16:10.4, 37.94N:28.85E, h7km, ML2.7

ISC 15:12:16:09.9.1.2, 37.95N:0.03:28.90E:0.05, h19km, 2km, n14, c0546/26, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DENIZ, DNZL, KAKUL, etc.

KRSC 15:12:41:58.7.1.2, 50.96N:158.24E, h40km, 16km, ML4.0, East of Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KDTR, Khodutka, Kamc, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PAU, SKR, ASAK, RUS, MTRV, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ENA, NANB, ENAH, NNSB, CHGB, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YHNB, YHNB, ESK, NSH, NSK, etc.

VNA2 Neumayer-Watz 86.08 180 P P 13 01 43.6 -0.2
JMA 15 12:53:57.6:0.2,24:98N:123:34E,h0km,M3.2
ISCJB 15 12:53:58.6:1.5,24:97N:0:08:123:32E:0.05

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

DDA 15 13:00:27.8:37:04N:29:10E,h7km,ML2.6
ISCJB 15 13:00:28.4:0.7,37:04N:0:03:29:09E:0.10,h10km,Error
ellipse: s-maj=6.6km s-min=4.8km az=17.6

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

IDC 15 13:14:59.8:1.1,37:11N:141:67E,h0km,mb3.3/5,
mb1 3.5/9,mb1mx3.4/67,mbtmp3.5/9,ML3.1/4,MS2.2/2,
Ms1 2.2/2,ms1mx2.0/28,Error ellipse: s-maj=25.1km
s-min=18.5km az=93.0

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

IDC 15 12:49:02.0:3.3,23:12S:171:84E,h0km,mb4.0/3,
mb1 4.2/4,mb1mx3.6/51,mbtmp4.0/4,ML3.5/1,Error
ellipse: s-maj=105.3km s-min=53.7km az=2.0
ISC 15 12:49:07.0:2.2,23:35S:0:5:171:8E:0.2,h35km,n9,
c=6567,mb3.9/3,Southeast of Loyalty Islands

ASAR Alice Springs 60.89 188 P P 13 25 14.1 +0.4
ISCJB 15 14:03:49.4:0.7,17:2S:0:1:175:4W:0.1,h256km,mb3.8/6,
Error ellipse: s-maj=26.2km s-min=9.1km az=135.3

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

IDC 15 14:19:52.2:3.9,12S:150:91E,h0km,mb3.0/1,
mb1 3.3/3,mb1mx3.2/44,mbtmp3.2/3,ML3.0/1,MS2.7/1,
Ms1 2.7/1,ms1mx2.4/11,Error ellipse: s-maj=5.7km
s-min=26.7km az=175.0,Eastern New Guinea region

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

IDC 15 14:35:24.5:6.4,0,15:08S:168:89E,h0km,mb3.9/3,
mb1 4.0/3,mb1mx3.6/40,mbtmp3.9/3,Error ellipse:
s-maj=1081.0km s-min=123.4km az=67.0,Vanuatu
Islands

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

ISCJB 15 14:42:46.1:0.8,38:53N:0:04:141:74E:0:09,h60km,5km,
mb3.3/3,Error ellipse: s-maj=11.8km s-min=5.0km
az=17.9
JMA 15 14:42:47.2:0.1,38:53N:141:72E,h53km,1km,M3.4
JMA Felt J1

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

MOS 15 14:45:25.7:1.0,49:03N:156:46E,h15km,mb4.3/1,Error
ellipse: s-maj=30.0km s-min=4.8km az=79.0
IDC 15 14:45:25.4:2.0,48:90N:156:72E,h0km,mb3.2/2,
mb1 3.7/4,mb1mx3.2/68,mbtmp3.5/4,ML3.2/2,Error
ellipse: s-maj=52.2km s-min=32.2km az=131.0

15d 15h

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

IDC 15 14:56:22.1±4.4, 2.67N-89.37E, h0km, mb3.6/5, mb1 3.7/5, mb1mx3.4/64, mbtmp3.6/5, Error ellipse: s-maj=156.0km s-min=28.4km, North Indian Ocean

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Diego Garcia, Cape Leeuwin, etc.

KRSC 15 15:03:32.0±2.0, 48°58'N-156°52'E, h6km, 33km, ML3.8, East of Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Severo-Kuril's, Pauzhetka, etc.

DDA 15 15:01:04.4, 37.78°N-29°12'E, h7km, ML2.5
ISD 15 15:01:04.1±1.7, 37.78°N-0°06:29.15E:0.10, h10km, gkm, n5, e02/28, Turkey

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

ISCJB 15 15:04:50.5±0.3, 22°95'N-0°02:12.1'43E:0.02, h32km, 2km, Error ellipse: s-maj=3.2km s-min=2.3km az=41.2
TAP 15 15:04:50.5, 22°95'N-121°40'E, h32km, ML2.9, C
JMA 15 15:04:50.2±0.1, 23°00'N-121°33'E, h36km
ISC 15 15:04:51.2±1.0, 22°97'N-0°02:12.1'39E:0.02, h33km, 3km, n66, e080/116, 1C, Taiwan region

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

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Pinlang, TWF1, etc.

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

ESL Shilin, h2±2.0, 0.88 290 i P, Sn 15 05 07.0 +1.8
ENL Hsinying, h2±2.0, 0.88 290 i P, Sn 15 05 08.0 +5.0

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

WNT Mingjian, h2±2.0, 1.11 325 e P, Sn 15 05 23.0 +0.2

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

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

KRSC 15 15:08:21.9±2.1, 49°32'N-156°71'E, h40km, 24km, ML4.0, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Severo-Kuril's, Pauzhetka, etc.

IDC 15 15:15:17.0±7.0, 31°24'S-179°99'W, h413km, 7km, mb3.2/7, mb1 3.3/9, mb1mx3.1/43, mbtmp4.0/9, Error ellipse: s-maj=19.5km s-min=12.5km az=123.0

WEL 15 15:15:25.4±1.0, 31°5'6.18'W-179°14'6.13'W, h41km, 14km
ISC 15 15:17:20.0±6.3, 21°25'0.07-179°99'W:0.10, h400km, n83, e279/91, mb3.5/7, Kermadec Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Green Lake, Raoul Island, etc.

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

15 15:23:05.7:22.0, 4.06N:91.02E, h0km, mb3.6/4, mb1 3.7/5, mb1mx3.6/7, mbtmp3.7/5, ML3.8/1, Error ellipse: s-maj=435.5km s-min=51.8km az=167.0, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like PALK, H0S3, H0S2, etc.

BUI 15 15:34:50.8, 3.36N:92.71E, h20km, mb4.7/23, mb4.8/13, Ms4.2/5, Mst 3.9/5

DJA 15 15:34:50.6, 2.1, 4.9N:92.2E, 1.9, h10km, M4.6/7, mb4.5/7, mb5.2/3, MLV4.7/6, MW(MB)4.6/3

NEIC 15 15:34:53.7, 0.4, 3.78N:92.71E, h10km, mb4.6/11, Error ellipse: s-maj=4.7km s-min=4.7km az=17.0

ISCJB 15 15:34:54.9, 0.5, 3.69N:107.92E, h75km, mb4.4/34, MS3.6/5, Error ellipse: s-maj=11.3km s-min=4.4km az=25.4

IDC 15 15:34:55.0, 0.8, 4.19N:92.41E, h0km, mb4.1/17, mb1 4.2/19, mb1mx4.0/68, mbtmp4.1/19, ML4.0/2, MS3.4/5, Ms1 3.4/5, ms1mx2.8/69, Error ellipse: s-maj=27.6km s-min=15.0km az=44.0

ISC 15 15:34:56.8, 0.7, 3.70N:109.92E, h35km, n80, c1525/76, mb4.4/34, MS3.7/5, Off west coast of northern Sumatra

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

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

IDC 15 15:51:25.7:3.0, 3.80N:92.80E, h0km, mb3.7/3, mb1 3.8/4, mb1mx3.7/1, mbtmp3.7/4, ML3.8/1, Error ellipse: s-maj=87.0km s-min=25.5km az=42.0, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like PSI, PSI, H0S2, etc.

1.69, 0.0000°, NP2:199.00000°, 850.00000°, 1.108, 0.0000° MOS 15 16:00:43.5, 0.9, 38.34N:141.89E, h55km, mb5.1/70, Error ellipse: s-maj=5.8km s-min=4.0km az=95.7

ISCBJ 15 16:00:45.7, 0.3, 38.26N:140.02:141.81E:0.02, h75km, 2km, mb4.7/23E, Error ellipse: s-maj=3.9km s-min=2.9km az=144.9

BUI 15 16:00:45.4, 38.28N:141.67E, h72km, mb4.9/65, mb4.9/43, Ms4.1/54, Ms7.4/0/48

JMA 15 16:00:46.1, 0.1, 38.27N:141.89E, h64km, 1km, M4.8 Broadband fault plane solution: P waves, NP1: 0.337, 0.0000°, 851.00000°, 1.53, 0.00000° NP2: 0.207, 0.00000°, 851.00000°, 1.27, 0.00000° Principal axes: T Plg262.0000°, Azm182.0000°, N Plg28.0000°, Azm2.0000°, P Plg0.0000°, Azm92.0000°

JMA Felt IV, J1 IDC 15 16:00:47.2, 1.3, 38.27N:141.82E, h75km, 11km, mb4.4/42, mb1 4.5/49, mb1mx4.4/79, mbtmp4.7/49, MS3.6/38, Ms1 3.7/38, ms1mx3.5/65 Error ellipse: s-maj=9.3km s-min=7.3km az=97.0

GCMT 15 16:00:48.2, 0.4, 38.35N:142.01E, h59km, 2km, MW4.8/70, Moment Tensor Solution: s24,c25; s70,c105; Duration: 0 Moment tensor: Scale 1019Nm; Mri1,26; 12; Mm0,49; 09; Mm1,-1.78; 07; Mm2,-0.73; 05; Mm3,-0.06; 07; Mm4,0.62; 05; Best double couple: M1: 85100x1016 NP1: 190.207, 0.00000°, 862.00000°, 1.21, 0.00000° NP2: 0.335, 0.00000°, 841.00000°, 1.46, 0.00000° Principal axes: T 1.7860, Plg60.0000°, Azm164.0000°, N 0.1250, Plg27.0000°, Azm11.0000°, P -1.9160, Plg12.0000°, Azm275.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 15 16:00:48.2, 0.4, 38.26N:141.76E, h87km, 3km, mb4.7/160 Error ellipse: s-maj=3.2km s-min=2.3km az=137.0

NEIC Felt at Sendai. Recorded (4 JMA) in Miyagi. ISC 15 16:00:44.9, 0.4, 38.26N:140.03:141.96E:0.03, h59km, 3km, h59km, 3km, n511, c1953/552, mb4.8/243, MS3.8/45, 25C-20D, Near east coast eastern Honshu

NIED 15 16:00:00, 38.30N:141.90E, h65km, Mw4.8 Best double couple: M1.55000x1016 NP1: 352.00000°, 843.00000°,

15d 16h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like Yuzh-Sakhalins, Mys Shulitsa, and various regional stations.

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Table with columns for station code, name, frequency, power, and other technical details. Includes stations like CLNS, MA2, SSSLB, and various regional stations.

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Table with columns for station code, name, frequency, power, and other technical details. Includes stations like MOY, GY, GYA, and various regional stations.

Table with columns for station call letters, frequency, name, and various signal quality metrics (S, P, m, etc.). The table lists numerous stations across the region, including KURK, KURBB, KURBBB, KDAK, CAST, BPAW, MLY, MLY, PDGK, PDGK, KSM, KRF, TSM, COLD, TOLK, JIRN, GUN, GHO, MDM, PMG, PMG, PMG, WRH, WRH, SML, SML, CCB, KKN, PKIN, DHY, DMN, HDA, ILI, ILAR, ILAR, ILB, GKN, KDJ, FYU, DANN, KOLN, TKM2, TKM2, TKM2, SCRK, NRN, NRN, NRN, PYUN, KZA, KBK, CHMS, BVAR, BVAR, USP, BRVK, BRVK, BRVK, BRVK, FRU, FRU, AAK, AAK, AAK, KSH, KSH, KSH, KSH, KSH, KSH, KSH, EGAK, EKS2, AML, BMT, MTN, SFK, SFK, COEN, PSI, PSI, KK31, KK31, KK31, KKAR, KKAR, INK, INK, INK, INK, INK, SVE.



Table with columns: SHPR, Sheep Range, 77.07 54 eP, P, 16 12 33.2 +1.1, CCUT, Cedar City, 77.55 52 eP, P, 16 12 36.0 +1.2, BUR08, Bucovina A, 77.61 322 eP, P, 16 12 33.4 -1.4, BUR04, Bucovina A, 77.62 322 eP, P, 16 12 34.5 -0.3, BURAR, Bucovina Array, 77.62 322 i/P, P, 16 12 35.9 +1.0, BURAR, Bucovina Array, 77.62 322 i/P, P, 16 12 35.9 +1.0, MSU, Marysville, 77.67 51 eP, P, 16 12 36.3 +0.8, MSU, Marysville, 77.67 51 eP, P, 16 12 36.3 +0.8, TMUT, Trail Mountain, 77.76 49 eP, P, 16 12 37.3 +1.2, P17A, Butcher Ranch, 77.92 49 eP, P, 16 12 37.3 +1.0, Q16A, Castle Valley, 78.02 50 eP, P, 16 12 37.6 +0.3, P18A, Preston Nutter, 78.12 49 eP, P, 16 12 38.8 +0.7, STHS, Stebnicka Huta, 78.21 325 eP, Pmax, 16 12 38.5 +0.5, STHS, Stebnicka Huta, 78.21 325 eP, P, 16 12 38.5 +0.5, KNB, Kanab, 78.22 52 eP, P, 16 12 39.2 +0.7, KNB, Kanab, 78.22 52 eP, Pmax, 16 12 39.2 +0.7, ULM, Lac du Bonnet, 78.25 34 P, P, 16 12 38.5 +0.4, OJC, Ojcow, 78.27 326 eP, P, 16 12 38.8 +0.5, OJC, Ojcow, 78.27 326 eP, P, 16 12 38.8 +0.5, SRU, San Rafael Swe, 78.28 49 eP, P, 16 12 39.8 +1.0, SRU, San Rafael Swe, 78.28 49 eP, Pmax, 16 12 39.8 +1.0, BRTR, Keskin Array B, 78.36 312 P, P, 16 12 39.5 +0.4, BRTR, Keskin Array B, 78.36 312 P, Pmax, 16 12 39.5 +0.4, CRVS, Cervenica-Dubn, 78.48 325 eP, Pmax, 16 12 39.8 +0.3, CRVS, Cervenica-Dubn, 78.48 325 eP, Pmax, 16 12 39.8 +0.3, RWWY, Rawlins, 78.53 46 eP, P, 16 12 40.3 +0.1, TRPA, Tarpa, 78.54 323 i/P, P, 16 12 40.8 +1.1, NIE, Niedzica, 78.63 325 eP, P, 16 12 41.5 +1.2, NIE, Niedzica, 78.63 325 eP, P, 16 12 41.5 +1.2, RSSD, Black Hills, 78.63 42 eP, P, 16 12 40.6 -0.1, RSSD, Black Hills, 78.63 42 eP, Pmax, 16 12 40.6 -0.1, MLR, Muntele Rosu, 78.73 320 LR, LR, 16 48 30.0, U15A, North Rim, 78.92 52 eP, P, 16 12 43.5 +1.0, O20A, White River Ci, 79.16 47 eP, P, 16 12 43.6 +1.1, Y12C, Blythe, 79.18 56 eP, P, 16 12 43.9 +0.3, ARR, Arges, 79.48 320 i/P, P, 16 12 46.5 +1.4, PV09, Paradox Valley, 79.51 49 eP, P, 16 12 46.8 +1.1, MORC, Moravsky Berou, 79.57 327 i/P, P, 16 12 46.3 +0.8, MORC, Moravsky Berou, 79.57 327 i/P, P, 16 12 45.5 0.0, MORC, Moravsky Berou, 79.57 327 P, P, 16 12 46.4 +0.9, PV10, Paradox Valley, 79.64 49 eP, P, 16 12 47.9 +1.5, DPC, Dobruska-Polom, 79.65 328 eP, P, 16 12 47.1 +1.2, DPC, Dobruska-Polom, 79.65 328 eP, P, 16 13 03.8, DPC, Dobruska-Polom, 79.65 328 eP, P, 16 12 47.1 +1.2, DPC, Dobruska-Polom, 79.65 328 eP, P, 16 13 03.7, N23A, Red Feather La, 79.77 46 eP, P, 16 12 48.2 +1.2, PV05, Paradox Valley, 79.80 49 eP, P, 16 12 48.6 +1.4, VYHS, Vyhne, 79.96 326 eP, Pmax, 16 12 47.7 +0.1, VYHS, Vyhne, 79.96 326 eP, P, 16 12 47.7 +0.1, Y14A, Wickenburg, 80.05 55 eP, P, 16 12 49.7 +1.2, WUAZ, Wupatki, 80.07 53 eP, P, 16 12 50.0 +1.4, PV01, Paradox Valley, 80.08 49 eP, P, 16 12 49.9 +1.1, BRG, Berggiesshubel, 80.22 330 eP, P, 16 12 49.5 +0.6, BRG, Berggiesshubel, 80.22 330 eP, Pmax, 16 12 49.5 +0.6, BRG, Berggiesshubel, 80.22 330 eP, Pmax, 16 12 49.5 +0.6, BRG, Berggiesshubel, 80.22 330 eP, Pmax, 16 12 49.5 +0.6, CLL, Colim, 80.25 330 eP, P, 16 12 49.0 0.0, CLL, Colim, 80.25 330 eP, P, 16 13 06.0 +0.6, CLL, Colim, 80.25 330 eP, P, 16 13 14.0 +2.1, CLL, Colim, 80.25 330 eP, P, 16 13 21.0 +2.5, CLL, Colim, 80.25 330 eP, P, 16 12 49.0 0.0, CLL, Colim, 80.25 330 eP, P, 16 13 06.0 +0.6, CLL, Colim, 80.25 330 eP, Pmax, 16 13 14.0 +2.1, 113A, Mohawk Valley, 80.29 56 eP, P, 16 12 50.0 +0.4, SMC0, Snowmass, 80.33 47 eP, P, 16 12 50.6 +0.4, VRAC, Vranov, 80.33 327 i/P, P, 16 12 47.3 -2.2, VRAC, Vranov, 80.33 327 i/P, P, 16 12 47.3 -2.2, RAYN, Ar Rayn, 80.59 292 eP, P, 16 12 51.0 -0.4, GOPC, GO Peeny, Ondr, 80.62 329 eP, P, 16 12 52.4 +1.3, GOPC, GO Peeny, Ondr, 80.62 329 eP, P, 16 12 52.4 +1.3, ISCO, Idaho Springs, 80.69 46 eP, P, 16 12 53.0 +1.0, ISCO, Idaho Springs, 80.69 46 eP, Pmax, 16 12 53.0 +1.0, MVC0, Mesa Verde, 80.73 50 eP, P, 16 12 52.9 +0.6, X16A, Lo Mia Camp, P, 80.74 53 eP, P, 16 12 53.4 +1.2, S22A, 4UR Ranch, Cre, 81.37 48 eP, P, 16 12 57.1 +1.4, MMAI, Mount Meron Ar, 81.61 306 LR, LR, 16 51 18.1, CONA, Conrad Observa, 81.70 327 P, P, 16 12 57.3 +0.4, KHC, Kasperske Hory, 81.73 329 eP, P, 16 12 57.7 +0.7, KHC, Kasperske Hory, 81.73 329 eP, P, 16 13 07.6, KHC, Kasperske Hory, 81.73 329 eP, P, 16 13 13.3, KHC, Kasperske Hory, 81.73 329 eP, P, 16 12 57.1 +0.1, KHC, Kasperske Hory, 81.73 329 eP, P, 16 12 57.7 +0.7, KHC, Kasperske Hory, 81.73 329 eP, P, 16 13 13.3, GERES, GERESS Array B, 81.90 328 P, P, 16 12 58.2 +0.2, GERES, GERESS Array B, 81.90 328 P, Pmax, 16 12 58.2 +0.2, GERES, GERESS Array B, 81.90 328 P, Pmax, 16 16 09.1 +3.8, GERES, GERESS Array B, 81.90 328 P, LR, 16 51 56.1, GEAO, GERESS Array S, 81.91 328 eP, P, 16 12 57.5 -0.5, SDCO, Great Sand Dun, 82.15 48 eP, P, 16 13 00.1 +0.4, VTS, Vitosh, 82.17 319 i/P, P, 16 13 00.2 +0.6, VTS, Vitosh, 82.17 319 i/P, P, 16 12 59.6 0.0, VTS, Vitosh, 82.17 319 i/P, P, 16 13 00.2 +0.6, ARSA, Arzberg, 82.36 326 eP, P, 16 12 59.5 -0.9, MOA, Mollin, 82.44 327 eP, P, 16 13 01.3 +0.5, TUC, Tucson, 82.52 55 eP, P, 16 13 02.5 +1.0, TUC, Tucson, 82.52 55 eP, Pmax, 16 13 02.5 +1.0, TUC, Tucson, 82.52 55 eP, Pmax, 16 13 02.5 +1.0, ECSD, EROS Data Cent, 82.69 39 eP, P, 16 13 02.3 +0.2, SOKA, Soboth, 83.02 326 eP, P, 16 13 04.2 +0.3, MHCTO, State Highway, 83.04 48 eP, P, 16 13 05.4 +1.1

Table with columns: T25A, Trinidad, 83.19 48 eP, P, 16 13 06.0 +0.9, OBKA, Obir, 83.36 326 ePcP, P, 16 13 06.5 +0.8, LBA, Ladin, 83.42 51 eP, P, 16 13 08.1 +1.8, KZA, Koelnbreinsper, 83.43 327 ePcP, P, 16 13 06.5 +0.8, ANMO, Albuquerque, 83.47 50 eP, P, 16 13 07.7 +1.1, ANMO, Albuquerque, 83.47 50 eP, Pmax, 16 13 07.7 +1.1, ANMO, Albuquerque, 83.47 50 eP, Pmax, 16 13 07.7 +1.1, MYKA, Terra Mystica, 83.66 327 eP, P, 16 13 06.9 -0.2, LPM, Los Pinos Moun, 83.79 51 eP, P, 16 13 09.7 +1.5, BNM, Barren Site, 83.91 51 eP, P, 16 13 10.2 +1.3, SCHO, Schefferville, 84.04 16 P, P, 16 13 08.8 -0.1, SCHO, Schefferville, 84.04 16 eP, P, 16 13 08.3 -0.6, ABTA, Abfaltersbach, 84.05 328 eP, P, 16 13 08.3 -0.8, 319A, Douglas, 84.09 55 eP, P, 16 13 10.4 +0.7, MOTA, Moosalm, 84.15 329 ePcP, P, 16 13 10.4 +0.7, RETA, Reutte, 84.18 329 ePcP, P, 16 13 10.4 +0.7, PMOR, Pomariorre, 84.28 114 eT, T, 17 46 09.6, BFO, Black Forest, 84.45 331 eP, P, 16 13 11.0 0.0, BFO, Black Forest, 84.45 331 i/P, P, 16 13 12.0 +1.0, FETA, Feichten, 84.56 329 ePcP, P, 16 13 11.6 -0.2, DAVA, Damuels, 84.69 330 ePcP, P, 16 13 12.7 +0.2, PPT, Papeete, 84.71 117 LR, LR, 16 47 06.1, PPT, Papeete, 84.71 117 LR, LR, 16 40 11.2, PPT2, Papeete2, 84.81 117 eLR, LR, 16 40 11.2, TIAR, Tiaret, 84.95 117 eT, T, 17 47 00.6, FUORN, Offenpass-Fuorn, 85.08 329 eP, P, 16 13 14.5 0.0, H41A, Junction City, 85.27 34 eP, P, 16 13 15.1 -0.2, TAOE, Nuku Hiva Isla, 86.05 104 eLR, LR, 16 40 24.8, MNTX, Cornudas Mount, 86.34 52 eP, P, 16 13 21.1 +0.4, AMTX, Amarillo, 86.35 48 eP, P, 16 13 21.6 +0.7, IDI, Anoyia, 86.47 313 LR, LR, 16 57 30.8, WMOK, Wichita Mouna, 87.12 46 eP, P, 16 13 29.9 +0.6, WMOK, Wichita Mouna, 87.12 46 eP, Pmax, 16 13 29.9 +0.6, WMOK, Wichita Mouna, 87.12 46 eP, Pmax, 16 13 29.9 +0.6, LPIG, La Paz, 88.21 61 LR, LR, 16 43 18.0, TBI, Tubuai, 88.78 121 eT, T, 17 51 47.4, TX31, Laitias Ar. Si, 89.03 53 eP, P, 16 13 34.6 +0.8, TXAR, Laitias Array, 89.03 53 P, P, 16 13 34.9 +1.1, TXAR, Laitias Array, 89.03 53 LR, LR, 16 52 19.3, CCM, Cathedral Cave, 89.64 39 eP, P, 16 13 36.7 +0.3, CCM, Cathedral Cave, 89.64 39 eP, Pmax, 16 13 36.7 +0.3, CCM, Cathedral Cave, 89.64 39 eP, Pmax, 16 13 36.7 +0.3, PLVO, Plevna, 89.93 27 eP, P, 16 13 37.6 +0.1, ATD, Arta Tunnel, 89.98 285 LR, LR, 16 58 30.3, JCT, Junction City, 90.59 50 eP, P, 16 13 41.5 +0.5, JCT, Junction City, 90.59 50 eP, Pmax, 16 13 41.5 +0.5, JCT, Junction City, 90.59 50 eP, Pmax, 16 13 41.5 +0.5, WHTX, Lake Whitney, 90.88 47 eP, P, 16 13 42.8 +0.5, MIAR, Mount Ida, 91.13 43 eP, P, 16 13 43.9 +0.5, MIAR, Mount Ida, 91.13 43 eP, Pmax, 16 13 43.9 +0.5, WHAR, Woolly Hollow, 91.24 42 eP, P, 16 13 44.0 +0.2, KEST, Kesra, 94.31 323 LR, LR, 17 00 50.0, LNIG, Linare, 94.81 53 eP, P, 16 14 00.8 +0.3, CPCT, Cooper Cave, 94.97 36 eP, P, 16 14 00.8 -0.2, TKL, Tuckaleechee C, 95.14 36 P, P, 16 14 02.2 +0.4, ESDC, Sonseca Array, 96.36 239 LR, LR, 17 01 57.6, TORO, Torodi Ar. Bea, 116.77 316 PKP, PKPdf, 16 19 12.8 -1.3, TORO, Torodi Ar. Bea, 116.77 316 PKP, PKP, 16 20 32.5 +1.5, TORO, Torodi Ar. Bea, 116.77 316 PKP, PKPdf, 16 19 24.6 -2.1, SDV, Santo Domingo, 124.11 40 ePKPdf, PKPdf, 16 19 37.4 -0.2, BOS, Boshof, 127.21 260 PKP, PKPdf, 16 19 42.7 -0.2, GSPA, South Pole Qui, 128.00 180 PKP, PKPdf, 16 19 42.6 -0.5, SNA, Sanae, 142.04 197 PKP, PKPpre, 16 20 01.9, SNA, Sanae, 142.04 197 ePKP, PKPpre, 16 20 03.1, SNA, Sanae, 142.04 197 ePKP, PKPpre, 16 20 03.1, SAML, Samuel, 143.07 44 ePKP, PKPdf, 16 20 11.3 -1.3, LPAZ, La Paz, 145.70 59 PKP, PKPab, 16 20 18.8 +0.1, LPAZ, La Paz, 145.70 59 ePKP, PKP, PKPbc, 16 20 18.4 +0.1, PB11, IPOC Station P, 147.00 65 ePKP, PKPbc, PKPbc, 16 20 22.1 +0.5, LCO, Las Campanas, 151.41 81 ePKP, PKPbc, PKPbc, 16 20 32.7 +0.2, PLCA, Pasa Flores, 154.87 106 PKP, PKPbc, 16 20 39.8 +0.3, CPUP, Villa Florida, 159.87 59 PKP, PKPab, PKPab, 16 21 16.1 -0.7, TRQA, Torquist, 161.18 97 ePKP, PKPab, PKPab, 16 21 22.9 +0.5

Table with columns: NISR, comp=N,3722um,0.5s, AML, AML, 16 12 07.0, NISR, Nisiros, 0.84 342 P, P, 16 11 43.5 +0.3, NISR, Nisiros, 0.84 342 S, S, 16 11 56.7 +0.1, NISR, Nisiros, 0.84 342 S, S, 16 11 43.5 +0.3, NISR, Nisiros, 0.84 342 S, S, 16 11 53.3 +0.3, DATC, Datca-Mugla, 0.96 10 PG, Pg, 16 11 45.0 -0.5, DATC, Datca-Mugla, 0.96 10 SG, Sg, 16 11 58.4 +0.3, DATC, Datca-Mugla, 0.96 10 eP, eP, 16 11 45.0 -0.5, DATC, Datca-Mugla, 0.96 10 eP, eP, 16 11 58.4 +0.3, MRSB, Marmaris-Mugla, 1.09 34 PG, Pg, 16 11 47.2 -0.4, MRSB, Marmaris-Mugla, 1.09 34 SG, Sg, 16 12 02.5 -0.3, MRSB, Marmaris-Mugla, 1.09 34 eP, eP, 16 11 47.2 -0.4, MRSB, Marmaris-Mugla, 1.09 34 eP, eP, 16 12 02.5 -0.3, ZKR, Zakros, 1.22 236 P, P, 16 11 49.6 -0.1, ZKR, Zakros, 1.22 236 S, S, 16 12 06.0 -0.1, ZKR, Zakros, 1.22 236 S, S, 16 12 09.2, ZKR, comp=N,2874um,0.4s, AML, AML, 16 12 15.0, ZKR, comp=E,5140um,0.5s, 1.22 236 P, P, 16 11 49.7 -0.1, ZKR, Zakros, 1.22 236 S, S, 16 12 06.3 +0.2, ZKR, Zakros, 1.22 236 S, S, 16 11 49.7 -0.1, ZKR, Zakros, 1.22 236 S, S, 16 12 06.3 +0.2, BDRM, Kayabasi, 1.25 360 i/P, P, 16 11 49.4 -0.8, BDRM, Kayabasi, 1.25 360 i/S, S, 16 12 07.5 +0.2, BDRM, Kayabasi, 1.25 360 P, P, 16 12 07.5 +0.2, BODT, Bodrum, 1.25 355 PN, Pn, 16 11 49.8 -0.4, BODT, Bodrum, 1.25 355 ePn, ePn, 16 11 49.8 -0.4, ANAF, Anafi Island, 1.46 292 P, P, 16 11 53.6 -0.4, ANAF, Anafi Island, 1.46 292 S, S, 16 12 12.0 -0.4, ANAF, Anafi Island, 1.46 292 S, S, 16 12 17.4, ANAF, comp=N,11335um,0.3s, AML, AML, 16 12 17.4, ANAF, comp=E,10878um,0.4s, 1.46 292 P, P, 16 11 53.2 +0.2, ANAF, Anafi Island, 1.46 292 S, S, 16 12 13.9 -0.1, ANAF, Anafi Island, 1.46 292 S, S, 16 11 53.3 +0.2, ANAF, Anafi Island, 1.46 292 S, S, 16 12 12.2 -0.3, FETY, Fethiye, 1.56 58 PN, Pn, 16 11 54.2 -0.2, FETY, Fethiye, 1.56 58 SN, Sn, 16 12 14.7 +0.2, FETY, Fethiye, 1.56 58 ePn, ePn, 16 11 54.2 -0.2, FETY, Fethiye, 1.56 58 eSn, eSn, 16 12 14.7 +0.2, FETY, Fethiye, 1.56 58 S, S, 16 12 15.5 +0.2, NPS, Neapolis, 1.59 250 P, P, 16 11 54.9 0.0, NPS, Neapolis, 1.59 250 S, S, 16 12 17.0, NPS, comp=N,3339um,0.3s, AML, AML, 16 12 17.4, NPS, comp=E,3288um,0.3s, 1.59 250 P, P, 16 11 55.1 +0.3, NPS, Neapolis, 1.59 250 S, S, 16 12 15.2 -0.1, NPS, Neapolis, 1.59 250 S, S, 16 11 55.1 +0.3, NPS, Neapolis, 1.59 250 S, S, 16 12 15.2 -0.1, SANT, Santorini, 1.70 290 i/P, P, 16 11 58.4 +0.3, SANT, Santorini, 1.70 290 P, P, 16 11 56.1 -0.3, SANT, Santorini, 1.70 290 S, S, 16 11 56.3 -0.1, SANT, Santorini, 1.70 290 S, S, 16 11 58.4 +0.3, SANT, Santorini, 1.70 290 P, P, 16 11 56.3 -0.1, SANT, Santorini, 1.70 290 P, P, 16 11 56.3 -0.1, SANT, Santorini, 1.70 290 S, S, 16 11 58.4 +0.3, LAST, Lasithi, 1.73 249 P, P, 16 12 18.5 -1.0, LAST, Lasithi, 1.73 249 S, S, 16 11 57.4 +0.6, LAST, Lasithi, 1.73 249 S, S, 16 11 57.4 +0.6, LAST, Lasithi, 1.73 249 S, S, 16 11 57.4 +0.6, LAST, Lasithi, 1.73 249 S, S, 16 11 57.4 +0.6, THR2, Thira island, 1.75 292 P, P, 16 12 19.8 -0.6, THR2, Thira island, 1.75 292 P, P, 16 11 57.1 +0.1, THR2, Thira island, 1.75 292 P, P, 16 11 57.1 +0.1, THR6, Thira island, 1.75 289 P, P, 16 11 57.1 +0.2, THR6, Thira island, 1.75 289 P, P, 16 11 57.1 +0.2, THR3, Thira island, 1.76 290 P, P, 16 11 57.3 +0.2, THR3, Thira island, 1.76 290 P, P, 16 11 57.3 +0.2, KSL, Kastellorizon, 1.77 78 P, P, 16 11 58.4 -0.6, KSL, Kastellorizon, 1.77 78 S, S, 16 12 20.6 -0.6, KSL, Kastellorizon, 1.77 78 S, S, 16 12 23.2, KSL, comp=E,906um,0.5s, AML, AML, 16 12 23.2, KSL, comp=N,533um,0.6s, 1.77 78 P, P, 16 11 57.2 0.0, KSL, Kastellorizon, 1.77 78 S, S, 16 12 19.7 +0.2, KSL, Kastellorizon, 1.77 78 S, S, 16 12 19.7 +0.2, AKAS, Kas, 1.80 76 PN, Pn, 16 11 57.9 +0.1, AKAS, Kas, 1.80 76 i/P, P, 16 11 57.8 +0.1, AKAS, Kas, 1.80 76 ePn, ePn, 16 12 26.2 +0.2, AKAS, Kas, 1.80 76 ePn, ePn, 16 12 22.6 +0.2, AYDN, Tasoluk, 1.88 11 i/P, P, 16 11 58.4 -0.4, AYDN, Tasoluk, 1.88 11 S, S, 16 12 23.1 +0.7, AYDN, Tasoluk, 1.88 11 i/S, S, 16 11 58.4 -0.4, AYDN, Tasoluk, 1.88 11 P, P, 16 12 23.1 +0.7, GCAM, G?zelcam?, 1.89 355 PN, Pn, 16 11 59.9 +0.9, GCAM, G?zelcam?, 1.89 355 i/S, S, 16 12 03.6 +0.4, GCAM, G?zelcam?, 1.89 355 i/S, S, 16 12 29.6 +1.8, GCAM, G?zelcam?, 1.89 355 ePn, ePn, 16 11 59.8 +0.9, GCAM, G?zelcam?, 1.89 355 P, P, 16 12 03.6 +0.4, SAMS, Samos, 1.96 346 P, P, 16 11 59.3 +0.6, SAMS, Samos, 1.96 346 P, P, 16 11 59.3 +0.3, IOSP, Ios island, 1.97 298 P, P, 16 11 59.8 -0.6, IOSP, Ios island, 1.97 298 P, P, 16 11 59.8 -0.2, IOSP, Ios island, 1.97 298 P, P, 16 11 59.8 -0.2, APE, Apeiranthos, 1.99 310 i/P, P, 16 12 00.2 -0.1, APE, Apeiranthos, 1.99 310 i/P, P, 16 11 60.4 -0.4, APE, Apeiranthos, 1.99 310 S, S, 16 12 34.4, APE, comp=N,465um,0.5s, AML, AML, 16 12 40.2, APE, Apeiranthos, 1.99 310 P, P, 16 12 00.1 -0.2, APE, Apeiranthos, 1.99 310 S, S, 16 12 24.6 -0.5, APE, Apeiranthos, 1.99 310 S, S, 16 12 00.2 -0.1, APE, Apeiranthos, 1.99 310 S, S, 16 12 24.6 -0.5, IDI, Anoyia, 2.15 257 P, P, 16 12 02.8 +0.3, IDI, Anoyia, 2.15 257 P, Pmax, 16 12 02.8 +0.3, IDI, Anoyia, 2.15 257 S, S, 16 12 02.8 +0.3, IDI, comp=E,7.9nm,0.3s,baz=57,slo=69,SNR=70, 2.22 50 P, P, 16 12 27.3 -1.8, IDI, comp=E,31nm,0.3s,baz=140,slo=23,SNR=8.3, 2.22 50 LR, LR, 16 12 58.6, IDI, comp=E,40nm,20.6s,baz=220,slo=61, 2.15 257 P, P, 16 12 03.3 +0.8, AYDB, Zeytinokoy-Aydi, 2.16 9 PN, Pn, 16 12 03.6 +0.8, AYDB, Zeytinokoy-Aydi, 2.16 9 ePn, ePn, 16 12 03.6 +0.8, ELL, Elmali, 2.20 64 P, P, 16 12 03.9 +0.6, ELL, Elmali, 2.20 64 ePn, ePn, 16 12 04.1 +1.3, GOLH, Golhisar, 2.22 50 i/S, Sg, 16 12 39.4 +1.1, GOLH, Golhisar, 2.22 50 P, P, 16 12 04.8 +1.3, DNZL, Cakiroluk, 2.27 34 i/P, P, 16 12 07.6 -0.3, DNZL, Cakiroluk, 2.27 34 i/S, S, 16 12 33.5 +1.1, DNZL, Cakiroluk, 2.27 34 P, P, 16 12 07.6 -0.3, DNZL, Cakiroluk, 2.27 34 S, S, 16 12 33.5 +1.1, SIVA, Sivas, 2.29 251 P, P, 16 12 06.2 +1.8, SIVA, Sivas, 2.29 251 P, P, 16 12 05.4 +0.9, SIVA, Sivas, 2.29 251 S, S, 16 12 05.4 +0.9, SIVA, Sivas, 2.29 251 S, S, 16 12 33.5 +0.9, SIVA, Sivas, 2.29 251 S, S, 16 12 05.4 +0.9, DENI, Denizli, 2.32 33 ePn, ePn, 16 12 05.4 +0.5, DENI, Denizli, 2.32 33 PN, Pn, 16 12 05.4 +0.5, KORT, Korkuelli, 2.63 62 PN, Pn, 16 12 10.1 +0.9, KORT, Korkuelli, 2.63 62 i/P, P, 16 12 11.4 +2.2, KORT, Korkuelli, 2.63 62 i/S, S, 16 12 42.5 +1.5, KORT, Korkuelli, 2.63 62 ePn, ePn, 16 12 03.9 +0.9, KORT, Korkuelli, 2.63 62 P, P, 16 12 11.4 +2.2, KORT, Korkuelli, 2.63 62 S, S, 16 12 42.5 +1.5, URLA, Izmir, 2.63 345 PN, Pn, 16 12 10.3 +1.1, URLA, Izmir, 2.63 345 ePn, ePn, 16 12 10.3 +1.1, VAM, Vamos, 2.68 262 P, P, 16 12 11.5 +1.8, VAM, Vamos, 2.68 262 P, P, 16 12 10.7 +1.3, VAM, Vamos, 2.68 262 S, S, 16 12 42.7 +0.7, VAM, Vamos, 2.68 262 S, S, 16 12 10.7 +1.0, BRDR, BURDUR-Merkez, 2.82 47 i/P, P, 16 12 14.1 +2.3, BRDR, BURDUR-Merkez, 2.82 47 P, P, 16 12 14.1 +2.3, IMMV, Iera Monti Meta, 2.84 264 P, P, 16 12 12.6 +0.6, IMMV, Iera Monti Meta, 2.84 264 P, P, 16 12 12.6 +0.6, KULA, Kula-Manisa, 2.87 19 PN, Pn, 16 12 13.3 +0.9, KULA, Kula-Manisa, 2.87 19 ePn, ePn, 16 12 13.3 +0.9, ISPA, Isparta, 3.18 50 P, P, 16 12 17.7 +0.9, ISPA, Isparta, 3.18 50 i/P, P, 16 12 23.4 0.0, KARY, Karystos, 3.18 50 ePn, ePn, 16 12 17.7 +0.9, KARY, Karystos, 3.27 313 P, P, 16 12 18.5 +0.5, KARY, Karystos, 3.27 313 P, P, 16 12 18.5 +0.5

IDC 15 16:11:24.6; 1.2, 35:72N; 27:64E, h0km, mb3,8/4, mb1 3/7, mb1m3 4/60, mb1m3p 3/77, ML3.3/3, MS2.5/2, MS1 2/52, ms1mx2 2/64, Error ellipse: s-maj=30.9km s-min=16.9km az=155.0  
ATH 15 16:11:26.3; 35:85N; 27:42E, h22km, ML3.4/7, Error ellipse: s-maj=1.6km s-min=0.9km az=62.0  
CSEM 15 16:11:26.6; 0.1,

Table with columns: SUTC, Station Name, Az, El, Pn, P, Res. Includes entries for SUTC Sutluce-Ispart, KYTH Kithira, DION Dionisos Attik, etc.

IDC 15 16:27:59.0,2.9,12.39S;167.54E,h0km,mb3.9/4, mb1 4.2/4,mb1mx3.6/49,mbtmp3.9/4, Error ellipse: s-maj=160.7km s-min=26.1km az=144.0,...

Table with columns: Code, Station Name, Az, El, Pn, P, Res. Includes entries for WRAB Tennant Creek, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 15 16:32:46.2,1.3,1.17N;126.02E,h0km,mb3.7/5, mb1 3.9/6,mb1mx3.5/57,mbtmp3.7/6,ML3.6/1, Error ellipse: s-maj=105.1km s-min=17.9km az=67.0,...

Table with columns: Code, Station Name, Az, El, Pn, P, Res. Includes entries for LBMI Labuha, LBMI Sanana, SANI SANI, LUWI Luwuk, etc.

NIED 15 16:48:00,36.60N;141.00E,h5km,Mw3.6 Best double couple: M3.24000x1014 NP13x323.00000,...

IDC 15 16:48:04.3,1.2,36.53N;104.141,19E;0.06,h8km,7km, mb3.4/6, Error ellipse: s-maj=8.5km s-min=6.2km az=177.6,...

IDC 15 16:48:05.4,1.0,36.47N;141.06E,h0km,mb3.4/6, mb1 3.5/10,mb1mx3.7/0,mbtmp3.4/10,ML3.3/4,MS2.6/1, Ms1 2.6/1,ms1mx2.1=43.4, Error ellipse: s-maj=22.7km s-min=17.4km az=86.0,...

Table with columns: Code, Station Name, Az, El, Pn, P, Res. Includes entries for HJHO Hitachi, ONAJ Iwakimizuishiy, JYK Yasato, etc.

Table with columns: WRA Warramunga Arr, ASAR Alice Springs, etc. Includes DDA and ISCJB data.

Table with columns: Code, Station Name, Az, El, Pn, P, Res. Includes entries for SIGRI SIGRI, SIGRI SIGRI, Paraskevi, etc.

SOME 15 17:03:22.7,44.02N;-81.80E,h20km NNC 15 17:03:22.7,44.02N;-81.71E,h7km=13km,mb3.6, mpv3.2, Error ellipse: s-maj=25.1km s-min=10.4km az=129.0,...

ISC 15 17:03:25.6,1.6,43.96N;0.05,-81.56E;0.08,h10km,n21, az=171/96,12C-SD, Northern Xinjiang

Table with columns: Code, Station Name, Az, El, Pn, P, Res. Includes entries for KTMS Ketmen, DJR Jarkent, PDGK Podgornoye, etc.

Table with columns: KUU Cape Leuewin, DGS Degeres, DGS, etc. Includes IDC and ISCJB data.

IDC 15 17:04:16.0,3.0,6.93S;148.89E,h0km,mb3.6/3, mb1 3.9/5,mb1mx3.5/49,mbtmp3.7/5,ML3.8/1,MS2.4/1, Ms1 2.4/1,ms1mx2.2=238, Error ellipse: s-maj=89.8km s-min=24.4km az=112.0,...

Table with columns: Code, Station Name, Az, El, Pn, P, Res. Includes entries for PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, etc.

IDC 15 17:14:10.1,9.2,93N;92.71E,h0km,mb3.5/5,mb1 3.7/7, ms1mx3.4/66,mbtmp3.6/7,ML2.3,MS3.0/2,Ms1 3.0/2, ms1mx2.5/54, Error ellipse: s-maj=47.6km s-min=23.8km az=40.0,...

NEIC 15 17:14:11.6,0.6,2.93N;92.75E,h10km,mb4.5/4, Error ellipse: s-maj=10.7km s-min=5.2km az=217.0, ISCJB 15 17:14:13.2,0.6,2.97N;92.90E;0.05,h33km, mb4.1/9,MS3.0/1, Error ellipse: s-maj=10.8km az=229.5,...

ISC 15 17:14:17.0,0.9,2.94N;0.10,92.82E;0.07,h35km,n40, az=126/35,mb3.9/9, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, El, Pn, P, Res. Includes entries for LHMI Lhok Sumawe, Gunungsitoli, PSI Prapat, etc.

DDA 15 17:23:05.0,38.72N,43.54E,h7km,ML3.0
CSEM 15 17:23:05.0,38.73N,43.47E,h8km,ML2.8,Error
ellipse: s-maj=7.4km s-min=4.7km az=96.0

CNP eS Sn 17 46 45.0 -1.0
GUIM Jordan 4.31 289 eP Pn 17 46 08.0 +0.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SFK Sufi-Kurgan, SFK 3.2m,0.4s, MNAS Manas, etc.

ISC 15 17:23:06.3,1.0,38.73N,0.02,43.46E,0.03,h13km,7km,
n49,r143/77,Turkey

DDA 15 18:05:54.5,39.09N,29.17E,h7km,ML2.7
ISCJB 15 18:05:55.0,5.0,39.10N,0.04,29.15E,0.04,h12km,4km,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TUIG Tuzandepeti, TGIG Tuzandepeti, etc.

Code Station Name Az Az' Phase ID Time Res

Code Station Name Az Az' Phase ID Time Res

VANB Van 0.15 202 PG Op ISC h m s ISC

SHAP Saphane-Kutahya 0.09 148 PG Op ISC h m s ISC

VANB Van 0.15 202 ePg Pp 17 23 10.0 0.0

SHAP Saphane-Kutahya 0.09 148 ePg Pp 17 23 10.0 0.0

TVAN Van 0.21 192 iP Pp 17 23 10.0 -1.0

SIMA Simav-Kutahya 0.14 263 PG Pp 17 23 10.0 -1.0

VMUR Van-Muradiye 0.27 19 iP Pp 17 23 10.8 -1.3

SIMA Simav-Kutahya 0.14 263 ePg Pp 17 23 10.8 -1.3

VMUR Van-Muradiye 0.27 19 P Pp 17 23 10.8 -1.3

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 10.8 -1.3

ERCV ERCIS-Vani 0.30 342 PG Pp 17 23 11.5 -1.1

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 11.5 -1.1

ERCV ERCIS-Vani 0.30 342 ePg Pp 17 23 11.5 -1.1

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 11.5 -1.1

GEVA Gevas 0.52 217 iP S Pp 17 23 15.4 -1.2

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 15.4 -1.2

GEVA Gevas 0.52 217 P S Pp 17 23 15.4 -1.2

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 15.4 -1.2

ADCV BITLIS Adilcev 0.58 278 iP S Pp 17 23 17.4 -0.6

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 17.4 -0.6

ADCV BITLIS Adilcev 0.58 278 P S Pp 17 23 17.4 -0.6

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 17.4 -0.6

DYDN Diyadin 0.83 12 iP S Pp 17 23 20.9 -1.5

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 20.9 -1.5

DYDN Diyadin 0.83 12 eS Pp 17 23 20.9 -1.5

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 20.9 -1.5

TUTA Tutak 0.84 323 eP S Pp 17 23 34.4 +0.5

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 34.4 +0.5

TUTA Tutak 0.84 323 iP S Pp 17 23 34.4 +0.5

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 34.4 +0.5

TUTA Tutak 0.84 323 P S Pp 17 23 34.4 +0.5

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 34.4 +0.5

GURO Guroymak-BITLI 1.13 261 ePg S Pp 17 23 20.2 -2.2

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 20.2 -2.2

GURO Guroymak-BITLI 1.13 261 iP S Pp 17 23 20.2 -2.2

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 20.2 -2.2

GURO Guroymak-BITLI 1.13 261 P S Pp 17 23 20.2 -2.2

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 20.2 -2.2

HAKT HAKKARI 1.19 171 iP Pp 17 23 27.0 -2.2

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 27.0 -2.2

HAKT HAKKARI 1.19 171 P S Pp 17 23 27.0 -2.2

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 27.0 -2.2

HAKT HAKKARI 1.19 171 iP Pp 17 23 27.0 -2.2

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 27.0 -2.2

HAKT HAKKARI 1.19 171 P S Pp 17 23 27.0 -2.2

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 27.0 -2.2

ECAR Karacoban 1.21 296 eS Pp 17 23 27.7 -1.9

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 27.7 -1.9

ECAR Karacoban 1.21 296 iS Pp 17 23 27.7 -1.9

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 27.7 -1.9

ECAR Karacoban 1.21 296 P S Pp 17 23 27.7 -1.9

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 27.7 -1.9

IGDI IGDIR 1.23 23 eP Pp 17 23 29.7 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.7 -0.7

IGDI IGDIR 1.23 23 iP Pp 17 23 29.7 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.7 -0.7

IGDI IGDIR 1.23 23 P S Pp 17 23 29.7 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.7 -0.7

IGDI IGDIR 1.23 23 iP Pp 17 23 29.7 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.7 -0.7

IGDI IGDIR 1.23 23 P S Pp 17 23 29.7 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.7 -0.7

EATA Eleskirt 1.36 327 eS Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 iS Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 P S Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 iS Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 P S Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 iS Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 P S Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 iS Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 P S Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 iS Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 P S Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 iS Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 P S Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 iS Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 P S Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 iS Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 P S Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 iS Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 P S Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 iS Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 P S Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 iS Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 P S Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 iS Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 P S Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 iS Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

EATA Eleskirt 1.36 327 P S Pp 17 23 29.3 -0.7

SIMA Simav-Kutahya 0.14 263 S Pp 17 23 29.3 -0.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TUIG Tuzandepeti, TGIG Tuzandepeti, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HAZ Te Kaha, HAZ Raukumara Rang, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RAGZ Rawiri, EDZ Edcumbe, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VCA Vinchina, VCA Yalova, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AROD Rodeo, AROD Las Campanas, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AMOG Mogna, AMOG Cafayete, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RTLL Cerro Villucun, RTLL Horco Molle, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AROD Rodeo, AROD Las Campanas, etc.

NNC 15 18:36:59.7,8.6,37.12N,17.02E,h11km,279km,mb3.8,
mpv3.5,2C-8D,Error ellipse: s-maj=285.7km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TUIG Tuzandepeti, TGIG Tuzandepeti, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HAZ Te Kaha, HAZ Raukumara Rang, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RAGZ Rawiri, EDZ Edcumbe, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VCA Vinchina, VCA Yalova, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AROD Rodeo, AROD Las Campanas, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AMOG Mogna, AMOG Cafayete, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RTLL Cerro Villucun, RTLL Horco Molle, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AROD Rodeo, AROD Las Campanas, etc.

DSN 15 18:58:09.5,1.4,26.92N,53.70E,h15km,ML3.2/6,Error
ellipse: s-maj=23.1km s-min=1.1km az=19.0





mb5.2/187, MS4.5/44, Error ellipse: s-maj=4.9km s-min=2.8km az=38.7, MOS 15:19:22:27.4, 1.1, 24.5:53x:175:98W, h33km, mb5.2/44, MS4.3/7, Error ellipse: s-maj=9.5km s-min=7.8km az=88.7, BUJ 15:19:22:29.3, 24.0:2S:175:61W, h45km, mb5.5/55, mb5.5/27, Ms4.9/26, Ms7.4/25, WEL 15:19:22:29.8, 1.7, 24.5:10x:17:9W:1'6, h33km, ML5.7/2, ISC 15:19:22:27.5, 0.4, 24.5:0.0:4:175:85W, 0.05, h30km, 2km, h30km, p-P, n628, r1950/652, mb5.2/186, MS4.5/45, 33C-9D, South of Tonga Islands

Table with columns: Code, Station Name, Az, Time, Res, Phase ID, ID, h, m, s, ISC. Rows include stations like Raoul Island, Green Lake, Niue, etc.

Table with columns: TOO, Toolangi, 35.35 239 P, 19 29 21.4 +1.1, etc. Rows include stations like QLP, RKT, TAOE, MTKU, STKA, etc.

Table with columns: KASI, Kota Agung, 78.33 269 P, 19 34 27.6 +2.2, etc. Rows include stations like MAW, Mawson, MAW, etc.











Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JFk Kawauchi, JMM Marumori, JNAJ Iwakimizuishiy, etc.

MEX 15 22:06:08.0-0.4, 18.57N:103.25W, h47km, 7km, MD3.5,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MMIG Aquila, EZSV, CZJM Chamele, etc.

IDC 15 22:19:07.5:23.0, 3.32N:93.17E, h0km, mb3.6/4,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, H0S2 Diego Garcia H, etc.

IDC 15 22:29:16.9:10.0, 5.45S:145.34E, h75km, 131km, mb2.9/2,

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

JSN 15 23:41:55.4-4.2, 18.01N:78.62W, h0km, 101km, MD3.5,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MBJ Montego Bay, MCJ Malvern, BBJ Bamboo Saint A, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TUTA Tutak, AGRB Hanur-Agry, etc.

CSEM 15 23:57:07.8-0.2, 38.74N:43.40E, h10km, ML2.4, Error ellipse: s-maj=8.2km s-min=4.8km az=88.0

ISC 15 23:57:07.3:38.72N:43.35E, h9km, ML2.4/6

DDA 15 23:57:08.4, 38.73N:43.51E, h7km, ML2.6

ATA 15 23:57:08.1-1.5, 38.76N:43.38E, h6km, 33km, ML2.5, MW2.8

ISC 15 23:57:08.4-0.8, 38.74N:0.02:43.42E:0.03, h15km, 6km, n29, c0998/45, Turkey

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

IDC 16 00:06:12.3-0.8, 39.21N:20.74E, h0km, mb3.7/1/1,

mb1 3.7/1.5, mb1mx3.3/6.5, mbtmp3.6/5, ML3.4/3.1, Error ellipse: s-maj=479.4km s-min=107.0km az=145.0, Off west coast of northern Sumatra

CSEM 16 00:06:13.7-0.1, 39.21N:20.75E, h2km, ML3.5, Error ellipse: s-maj=3.4km s-min=1.9km az=57.0

ISCJB 16 00:06:13.4-0.4, 39.21N:0.01:20.68E:0.02, h10km, 3km, mb3.6/1/1, Error ellipse: s-maj=3.2km s-min=1.9km az=145.3

THE 16 00:06:13.6, 39.22N:20.76E, h6km, 1km, ML3.4/13, Error ellipse: s-maj=1.2km s-min=0.5km az=275.0

ATH 16 00:06:13.7-1.0, 39.21N:0.01:20.74E:0.02, h8km, 7km, PDG 16 00:06:15.2-0.9, 39.37N:20.78E, h3km, 1km, ML3.5/1, Error ellipse: s-maj=1.3km s-min=1.1km az=90.0

ISC 16 00:06:13.7-1.0, 39.21N:0.01:20.74E:0.02, h8km, 7km, n201, r1939/270, mb3.6/1/1, 9C-11D, Greece-Albania border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LK2D Lefkada island, IGT Igoumenitsa, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KEK Kerkira, KEKST Nestorio, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PROD, PRODromos, SMIA, Loutraki, SKIA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GERES, GERES, ESDC, HFS, FINESS Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like YAYL, YAYL, KUZU, KUZU, etc.









Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like YAK, UNV, GUN, AKUT, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like MKAR, MAKZ, SHLS, etc.

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

16d 0h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like BEKR Beckworth, PKM McPherson Peak, SBC Santa Barbara, etc.

2012 MAY

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like GMRC Granite Mounta, MFID Camas Ranch, BC3 Big Chuckawalk, etc.

858

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like ANMO Albuquerque, ANMO Albuquerque, KLMR Klimovskoe, etc.





Table with columns: KEST, comp-Z, SKPbc, SKPbc, 01 21 45.1 +0.1, etc. Lists various astronomical objects and their properties.

Table with columns: LIC, Lamto, 154.84 273 ePKP1, PKPbc, 01 19 18.4 +0.3, etc. Lists astronomical objects with Lamto coordinates and properties.

Table with columns: URZ, Urewera, 14.99 202 Pn, Pn, 01 31 53.0 +2.3, etc. Lists astronomical objects with URZ coordinates and properties.



16d 1h

2012 MAY

Table with columns: Station, Frequency, Power, Direction, and other details. Includes stations like NLU, TIA, GSI, MNTX, etc.

Table with columns: Station, Frequency, Power, Direction, and other details. Includes stations like 833A, BPAW, PAX, SDCO, etc.

Table with columns: Station, Frequency, Power, Direction, and other details. Includes stations like CHTO, HHC, HHC, etc.





IZV	189nm,0.1s	eS	Sg	03 27 25.0	-0.9
IZV	Izvestkoviy baz=65	1.37 65	eP	Pb	03 27 06.4 -0.6
IZV	baz=65	eS	Sg	03 27 25.0	-0.9
TNSS	Tian-Shan 65nm,0.2s	1.60 69	iP	Pb	03 27 10.2 -0.7
TNSS	baz=69	iP	Sg	03 27 32.1	-1.2
TNSS	Tian-Shan 65nm,0.2s	1.60 69	iP	Pb	03 27 10.2 -0.7
TNSS	baz=69	iP	Sg	03 27 31.6	-1.7
AAA	Alma-Ata 115nm,0.2s	1.65 63	eP	Pb	03 27 11.2 -0.4
AAA	baz=63	eS	Sg	03 27 32.6	-2.1
AAA	288nm,0.1s	1.65 63	eP	Pb	03 27 11.2 -0.4
AAA	Alma-Ata baz=63	eS	Sg	03 27 32.6	-2.1
AAA	baz=63	eS	Sg	03 27 32.6	-2.1
KNDC	Almaty 55nm,0.3s	1.68 63	iP	Pb	03 27 11.6 -0.6
KNDC	baz=63	iP	Sg	03 27 34.7	-1.1
MDOK	Medeo 18nm,0.3s	1.72 66	iP	Pb	03 27 12.2 -0.6
MDOK	baz=66	iP	Sg	03 27 35.2	-1.7
MDOK	60nm,0.4s	1.72 66	eP	Pb	03 27 12.4 -0.4
MDOK	Medeo 48nm,0.3s	eS	Sg	03 27 34.8	-2.1
MDOK	157nm,0.2s	1.72 66	eP	Pb	03 27 12.4 -0.4
MDOK	Medeo baz=66	eS	Sg	03 27 34.8	-2.1
KDJ	Kajisay baz=1.0	1.72 101	iP	Pb	03 27 12.6 -0.3
KDJ	baz=1.0	iP	Sb	03 27 34.6	+0.2
KUU	Kurty 32nm,0.3s	1.76 36	eP	Pb	03 27 13.1 -0.4
KUU	baz=36	eS	Sb	03 27 35.8	+0.5
KUU	32nm,0.3s	1.76 36	eP	Pb	03 27 13.1 -0.4
KUU	Medeo baz=36	eS	Sb	03 27 35.8	+0.5
MNAS	Manas 11nm,0.3s	1.78 271	iP	Pb	03 27 13.2 -0.8
MNAS	baz=36	iP	Sb	03 27 35.9	-0.1
MNAS	51nm,0.4s	1.78 271	iP	Pb	03 27 13.1 -0.8
MNAS	Manas baz=71	iP	Sb	03 27 36.8	+0.8
KOTS	Kotybulak 40nm,0.1s	1.79 64	eP	Pb	03 27 13.9 -0.2
KOTS	baz=71	eS	Sg	03 27 37.7	-1.5
KTBS	Karotobe 22nm,0.2s	1.79 46	eP	Pb	03 27 13.9 -0.1
KTBS	baz=22	eS	Sg	03 27 37.6	-1.7
ARSB	Arslanbob baz=32	1.84 232	iP	Pb	03 27 15.0 0.0
ARSB	baz=32	iP	Sg	03 27 39.1	-1.9
CHKK	Chushkaly 18nm,0.3s	2.05 47	iP	Pb	03 27 18.0 -0.4
CHKK	baz=36	iP	Sg	03 27 44.9	-2.7
PRZ	Przheval'sk baz=89	2.58 89	iP	Pn	03 27 24.3 +1.4
PRZ	baz=89	iP	Sb	03 27 56.4	-2.8
KURS	Kuram 6.1nm,0.7s	2.60 66	iP	Pb	03 27 27.9 +0.1
KURS	baz=66	iP	Sg	03 28 01.9	-3.1
SATY	Saty 84nm,0.3s	2.64 76	eP	Pb	03 27 28.4 -0.2
SATY	baz=76	eS	Sb	03 28 02.3	+1.5
SFK	Sufi-Kurgan 12nm,0.5s	2.68 204	iP	Pn	03 27 27.9 -1.4
SFK	baz=12	iP	Lg	03 28 06.2	
SFK	87nm,0.8s	2.68 204	iP	Pn	03 27 28.5 +1.5
SFK	Sufi-Kurgan baz=4.0	iP	Sn	03 27 58.4	+1.8
ZHN	Zhishkhe 43nm,0.4s	2.68 74	iP	Pb	03 27 29.1 -0.2
ZHN	baz=74	eS	Sg	03 28 04.7	-3.2
ARXS	Arhaly 14nm,0.4s	2.75 50	eP	Pb	03 27 29.9 -0.5
ARXS	baz=50	eS	Sb	03 28 05.0	+1.2
KPKS	Kokpek 39nm,0.2s	2.94 69	eP	Pb	03 27 33.3 -0.4
KPKS	baz=69	eS	Sb	03 28 10.8	+1.4
MNBS	Baschi 21nm,0.2s	3.01 57	eP	Pb	03 27 35.0 +0.1
MNBS	baz=57	eS	Sb	03 28 13.4	+2.0
UZB	Uzynyulak 33nm,0.5s	3.10 76	iP	Pb	03 27 36.0 -0.4
UZB	baz=76	iP	Sb	03 28 16.2	+2.2
KK31	Karalay Array 2.3nm,0.3s,baz=104,slope=16,SNR=12	3.30 282	iP	Pg	03 27 40.7 +1.0
KK31	baz=104	iP	Lg	03 28 24.3	
SHLS	Shalkode 21nm,0.3s	3.42 77	eP	Pb	03 27 46.7 -0.3
SHLS	baz=77	eS	Sg	03 28 34.1	+2.8
PDGK	Podgornoye 10nm,0.6s	3.47 74	iP	Pn	03 27 36.6 +1.6
PDGK	baz=74	iP	Lg	03 28 28.3	
TDK	Taldyqorghan 46nm,0.2s	3.58 44	eP	Pb	03 27 44.4 -0.1
TDK	baz=44	eS	Sb	03 28 29.7	+2.1
IUG	Iuzhnyy 90nm,0.3s	3.63 266	eP	Pb	03 27 45.4 -0.1
IUG	baz=266	eS	Sb	03 28 31.4	+2.1
DJR	Jarkent 10nm,0.4s	4.01 61	eP	Pb	03 27 52.7 +0.8
DJR	baz=61	eS	Sb	03 28 43.7	+3.6
KTMS	Ketmen 10nm,0.3s	4.11 75	eP	Pb	03 27 54.6 +0.9
KTMS	baz=75	eS	Sb	03 28 46.9	+3.8
KAPS	Kapalarasan 4.4nm,0.3s	4.27 47	eP	Pb	03 27 53.9 -2.4
KAPS	baz=47	eS	Sb	03 28 46.8	-0.7
OTUK	Ortayuy 1.1nm,0.4s	6.04 343	iP	Pn	03 28 11.3 +0.0
OTUK	baz=343	iP	Lg	03 29 51.6	
MAKZ	Makanchi 1.2nm,0.8s	6.64 47	iP	Pn	03 28 19.5 +1.0
MAKZ	baz=47	iP	Lg	03 30 11.1	
MK31	Makanchi Array 1.6nm,0.6s,baz=231,slope=14,SNR=16	6.81 48	iP	Pn	03 29 40.2 +2.3
MK31	baz=231	iP	Lg	03 30 16.5	
MK31	0.9nm,0.5s,baz=223,slope=26,SNR=17	6.81 48	iP	Pn	03 29 40.2 +2.3
MK31	baz=223	iP	Lg	03 30 16.5	
KURBB	Kurchatov Arra 1.2nm,0.6s	8.52 16	iP	Pn	03 28 44.4 +0.2
KURBB	baz=16	iP	Lg	03 31 10.9	
KURK	Kurchatov 11nm,0.9s	8.63 16	iP	Lg	03 31 12.9

1DC 16 03:40:27.1,0.8,51.20N-179:83W,h0km,mb4,1/20,mb1 4,3/21,mb1mx4,0/80,mbtmpa,1/21,ML4,5/1,MS3,4/5,MS1 3,4/5,ms1mx2,8/75,Error ellipse: s-maj=22.44km s-min=12.9km az=164.0

ISCBJ 16 03:40:31.2,0.5,51.2N:0.1:179:84W:0.6, h39km, mb4,1/30,MS3,4/4,Error ellipse: s-maj=14.6km s-min=4.8km az=172.8

MOS 16 03:40:32.6,1.2,51.21N:179:63W, h54km, mb4,6/5,Error ellipse: s-maj=13.7km s-min=10.4km az=94.6

NEIC 16 03:40:35.6,0.8,51.23N:179:75W, h64km, mb4,2/4,ML4,2(AE/C), Error ellipse: s-maj=15.1km s-min=6.1km az=178.0

ISC 16 03:40:32.9,0.7,51.2N:0.1:179:88W, h39km, n67, s187/61, mb4,2/30, MS3,5/4, C, Andean Of Islands

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
ATKA	Atka Island	3.69 71	Op	03 41 27.0 +0.3	Pn
ATKA	SMY	4.04 295	S	03 42 13.8 +4.3	Pn
SMY	Shemya	4.04 295	S	03 42 27.8 +1.0	Pn
SMY	Shemya	4.04 295	P	03 41 34.9 +2.8	Pn
SMY	SMY	4.04 295	P	03 42 27.8 +1.0	Pn
NIKH	Nikolski High	7.03 71	P	03 42 14.0 +0.7	Pn
NIKH	SMY	4.04 295	S	03 43 35.7 +3.8	Pn
SPIA	Saint Paul Is	8.25 39	P	03 43 35.7 +3.8	Pn
MSOM	Makushin Julie	8.32 66	P	03 43 32.0 +1.1	Pn
MSOM	Makushin Julie	8.32 66	P	03 43 32.0 +1.1	Pn
MGOD	Makushin Gods	8.36 67	P	03 42 32.1 +0.6	Pn
MCIR	Makushin Cirqu	8.39 66	P	03 42 32.8 +0.9	Pn
MSW	Makushin Switc	8.44 67	P	03 42 33.4 +0.8	Pn
UNV	Unalaska Valle	8.59 67	P	03 42 35.4 +0.8	Pn
ZRO	Akutan Zero	8.95 66	P	03 42 41.0 +1.5	Pn
AKV	Akutan Volcano	8.96 65	P	03 42 41.3 +1.5	Pn
AHB	Akutan Harbor	9.05 66	P	03 42 42.4 +1.5	Pn
AKUT	Akutan	9.08 65	P	03 42 42.8 +1.6	Pn
AKSA	Akutan Strait	9.12 65	P	03 42 43.4 +1.5	Pn
WESE	West Dahl East	9.83 64	P	03 42 52.4 +0.8	Pn
PETK	Petropavlovsk-1	13.90 287	Pn	03 43 52.0 -2.5	Pn
PETK	comp=Z,7.1nm,20.4s,baz=22,slope=35,LR		LR	03 48 36.2	
KDAK	Kodiak Island	17.11 57	Pn	03 44 24.9 -3.9	Pn
KDAK	1.7nm,0.3s,baz=268,slope=4.3,SNR=48		Pn		
KDAK	0.2nm,0.3s,baz=157,slope=20,SNR=3.8		Sn	03 47 30.2 -7.5	Sn
BILL	Bilibino	18.23 343	P	03 44 45.1 +2.7	Pn
BILL	comp=Z,5.0nm,1.6s		pmax		
BILL	comp=Z,88nm,18.0s		MLR		
ILAR	Eielson Array	21.83 39	P	03 45 19.0 -2.5	Pn
ILAR	comp=Z,0.3nm,0.4s,baz=228,slope=7.9,SNR=13		P		
NKL	Nikolayevsk	24.07 290	eP	03 45 45.8 +1.6	Pn
NKL	comp=Z,23nm,1.0s		pmax		
EGAK	Eagle	24.15 41	ePn	03 45 44.1 -0.8	Pn
EGAK	comp=Z,6.2nm,0.8s		P		
DAWY	Dawson	24.72 43	ePn	03 45 49.1 -1.1	Pn
DAWY	comp=Z,2.0nm,0.6s		P		
INK	Inuvik	28.02 35	P	03 46 19.6 -0.2	Pn
INK	comp=Z,0.6nm,0.4s,baz=257,slope=6.2,SNR=4.2		P		
DLBC	Dease Lake	29.04 56	LR	03 56 52.7	LR
DLBC	comp=Z,90nm,20.3s,baz=306,slope=34		LR		
H112	WAKE ISLAND Hy 33.06 203	T	T	04 22 43.9	T
H112	baz=18	T	T		
H113	WAKE ISLAND Hy 33.07 203	T	T	04 22 34.9	T
H113	baz=18,SNR=94	T	T		
H111	WAKE ISLAND Hy 33.08 203	T	T	04 22 31.1	T
H111	baz=18	T	T		
H115	WAKE ISLAND Hy 34.28 203	T	T	04 24 02.5	T
H115	baz=19,SNR=74	T	T		
H112	WAKE ISLAND Hy 34.30 203	T	T	04 24 05.9	T
H112	baz=19,slope=74,SNR=44	T	T		
H113	WAKE ISLAND Hy 34.30 203	T	T	04 24 10.6	T
H113	baz=19,slope=74,SNR=40	T	T		
YKA	Yellowknife Ar	35.87 46	P	03 47 27.9 -0.6	Pn
YKA	comp=Z,0.1nm,0.5s,baz=298,slope=2.7,SNR=3.2		P		
YKA	comp=Z,0.1nm,0.5s,baz=298,slope=2.7,SNR=3.2		P		
BOD	Bodaibo	37.56 307	eP	03 47 42.7 -0.3	Pn
BOD	comp=Z,4.0nm,0.8s		pmax		
KSRS	Korea Array	38.96 270	P	03 47 55.6 +0.6	Pn
KSRS	comp=Z,0.5nm,0.3s,baz=57,slope=8.9,SNR=3.7		P		
KSAR	Wonju Array Be	38.99 270	P	03 47 55.6 +0.3	Pn
KSAR	comp=Z,0.5nm,0.3s,baz=57,slope=8.9,SNR=3.7		P		
NEW	Newport	39.59 69	P	03 48 05.5 +0.3	Pn
NEW	comp=Z,2.4nm,0.5s,baz=28,slope=6.1,SNR=3.7		P		
RES	Resolute Bay	40.21 24	LR	04 06 53.5	LR
RES	comp=Z,3.2nm,20.5s,baz=94,slope=40		LR		
BOZ	Bozeman (W)	44.19 69	eP	03 48 37.4 -0.6	Pn
BOZ	comp=Z,4.1nm,0.7s		P		
BOZ	Bozeman (W)	44.19 69	eP	03 48 37.4 -0.6	Pn
BOZ	comp=Z,4.1nm,0.7s		pmax		
ELK	Elk	44.76 77	P	03 48 44.9 +2.2	Pn
ELK	comp=Z,1.2nm,0.8s,baz=353,slope=5.3,SNR=6.5		P		
RLMT	Red Lodge	45.84 69	eP	03 48 51.0 -0.1	Pn
RLMT	comp=Z,4.0nm,0.6s		P		
SOMN	Songino Array	46.13 296	P	03 48 52.9 -0.4	Pn
SOMN	comp=Z,1.1nm,0.4s,baz=353,slope=5.3,SNR=8.9		P		
PDAR	Pinedale Array	47.02 71	P	03 49 00.3 -0.1	Pn
PDAR	comp=Z,2.5nm,0.5s,baz=300,slope=3.4,SNR=1.7		P		
SPITS	Spitsbergen Ar	50.53 356	eP	03 49 26.4 -0.3	Pn
SPITS	comp=Z,4.4nm,0.9s,baz=13,slope=7.3,SNR=9.0		P		
ARCES	ARCCESS Array B	58.18 350	P	03 50 22.0 -0.3	Pn
ARCES	comp=Z,2.4nm,0.9s,baz=7,slope=7.3,SNR=3.3		P		
ARCES	ARCCESS Array B	58.18 350	P	03 50 22.0 -0.3	Pn
ARCES	comp=Z,2.4nm,0.9s,baz=7,slope=7.3,SNR=3.3		P		
KURK	Kurchatov	58.67 313	P	03 50 27.6 +1.7	Pn
KURK	comp=Z,1.1nm,0.3s,baz=353,slope=5.3,SNR=8.6		P		
KURK	comp=Z,1.1nm,0.3s,baz=353,slope=5.3,SNR=8.6		pmax		
KURB	Kurchatov Arra	58.78 313	P	03 50 27.6 +1.0	Pn
KURB	comp=Z,2.8nm,0.5s,baz=41,slope=6.6,SNR=31		P		
TXAR	Lajitas Array	59.32 80	P	03 50 30.9 -0.2	Pn
TXAR	comp=Z,0.5nm,0.6s,baz=305,slope=6.0,SNR=7.9		P		
MKAR	Makanchi Array	59.63 308	P	03 50 37.2 0.0	Pn
MKAR	comp=Z,2.3nm,0.5s,baz=51,slope=6.5,SNR=31		P		
BVAR	Borovoye Array	60.61 319	P	03 50 39.7 +0.4	Pn
BVAR	comp=Z,1.1nm,0.3s,baz=47,slope=8.2,SNR=6.3		P		
FINES	FINESS Array B	65.83 347	P	03 51 12.8 -0.9	Pn
FINES	comp=Z,1.5nm,0.7s,baz=26,slope=9.1,SNR=5.5		P		
TKL	Tukaleechee C	66.65 62	LR	03 52 07.8	LR
TKL	comp=Z,9.8nm,18.4s,baz=300,slope=38		LR		
NB2	NORSAR Subarra	67.79 354	P	03 51 25.8 -0.4	Pn
NB2	comp=Z,0.6nm,0.5s,baz=7,slope=6.9		P		
NOA	NORSAR Array B	67.79 354	P	03 5	





MAJO	Matsushiro	37.00	16	eP	P	05 31 14.2	-0.5
MAJO	Matsushiro	37.00	16	/P	P	05 31 14.0	-0.7
MAJO	Matsushiro	37.00	16	/P	P	05 31 14.1	-0.6
MJAR	Matsushiro Arr	37.00	16	P	P	05 31 13.7	-1.0
LZH	Lanzhou	40.63	332	eP	P	05 31 45.9	+0.6
LZH				pP	P	05 31 51.8	-4.8
LZH				sP	P	05 31 55.6	-5.7
LZH				PP	P	05 33 24.9	+1.2
LZH				eS	S	05 37 55.0	+2.4
LZH				sS	S	05 38 06.6	+4.7
LZH				SS	S	05 40 54.8	+0.8
LZH				pmax	pmax		
LZH	comp=Z,29nm,1.0s				pmax	pmax	
LZH	comp=Z,180nm,4.3s				LR	LR	
LZH	comp=Z,1µm,13.6s				LR	LR	
LZH	comp=Z,1µm,13.4s				LR	LR	
LZH	comp=Z,1µm,14.1s				LR	LR	
HHC	Hu-ho-hao-te	41.82	343	eP	P	05 31 57.6	+2.6
HHC				pP	P	05 33 38.3	+0.8
HHC				sS	S	05 38 15.3	+5.2
HHC				SS	S	05 41 16.9	-0.5
HHC				pmax	pmax		
HHC	comp=Z,21nm,0.6s				pmax	pmax	
HHC	comp=Z,58nm,7.1s				LR	LR	
HHC	comp=Z,680nm,14.9s				LR	LR	
HHC	comp=Z,720nm,18.7s				LR	LR	
HHC	comp=Z,650nm,13.7s				LR	LR	
USRK	Ussuriysk Ar.	43.27	6	P	P	05 32 07.0	+0.4
MDJ	Mudanjiang	43.49	3	P	P	05 32 07.3	-1.0
MDJ				pmax	pmax		
MDJ	comp=Z,20nm,0.8s				pmax	pmax	
MDJ	comp=Z,75nm,4.2s				pmax	pmax	
MDJ	Mudanjiang	43.49	3	eP	P	05 32 09.8	+1.5
MDJ	comp=Z,12nm,0.7s				pmax	pmax	
GTA	Gaotai	45.21	331	eP	P	05 32 22.0	-0.3
GTA				pP	P	05 32 29.0	-4.7
GTA				sP	P	05 32 33.0	-5.4
GTA				PeP	P	05 34 03.6	+1.6
GTA				S	S	05 39 00.4	+0.7
GTA				pmax	pmax		
GTA	comp=Z,6.0nm,0.9s				pmax	pmax	
GTA	comp=Z,86nm,4.5s				LR	LR	
GTA	comp=Z,610nm,15.2s				LR	LR	
GTA	comp=Z,350nm,15.2s				LR	LR	
GTA	comp=Z,570nm,13.5s				LR	LR	
ASAJ	Asahikawa	45.27	17	P	P	05 32 23.1	+0.6
JIRI	Jiri	46.66	308	eP	P	05 32 33.4	-0.8
YSS	Yuzh-Sakhalins	47.93	15	eP	P	05 32 46.9	+3.6
YSS				e	P	05 39 37.0	
KLR	Kul'dur	48.23	50	iP	P	05 32 46.4	+0.8
KOLN	Koldanda	48.76	307	eP	P	05 32 49.6	-0.7
DANN	Dangsing	48.88	308	eP	P	05 32 50.4	-1.0
PYUN	Piuthan	49.39	307	eP	P	05 32 53.7	-1.5
ULN	Ulanbaatar	49.55	343	eP	P	05 32 54.5	-1.5
ULN	Ulanbaatar	49.55	343	eP	P	05 32 56.7	+0.8
ULN				pmax	pmax		
SONAO	Songino Array	49.71	342	eP	P	05 32 57.0	-0.1
SONAO				ePcP	P	05 34 18.6	+0.7
SONM	Songino Array	49.71	342	P	P	05 32 57.0	-0.1
SONM				PcP	P	05 34 18.6	+0.7
WMQ	Urumqi	54.70	326	P	P	05 33 36.1	+1.8
WMQ				pP	P	05 33 42.3	-3.6
WMQ				sP	P	05 33 45.3	-5.3
WMQ				pmax	pmax		
WMQ	comp=Z,18nm,1.3s				pmax	pmax	
WMQ	comp=Z,210nm,5.5s				LR	LR	
WMQ	comp=Z,1µm,17.1s				LR	LR	
WMQ	comp=Z,860nm,11.3s				LR	LR	
WMQ	comp=Z,420nm,16.1s				LR	LR	
MOY	Monda	54.77	341	eP	P	05 33 35.5	+0.9
BOD	Bo Dao	57.45	352	eP	P	05 33 34.2	+0.8
BOD				pmax	pmax		
PETK	Petrovlovsk	58.06	22	P	P	05 33 59.1	+1.2
PETK	Petrovlovsk	58.06	22	eP	P	05 33 55.8	-2.1
PETK	Petrovlovsk	58.06	22	eP	P	05 33 55.8	-2.1
PEAK	Petrovlovsk	58.06	22	eP	P	05 33 59.1	+1.2
DGZ	Jazzator, Alta	58.73	332	/P	P	05 34 03.1	+0.2
DGZ				pmax	pmax		
MK01	Makanchi Array	59.52	326	eP	P	05 34 07.7	-0.5
MK31	Makanchi Array	59.54	326	eP	P	05 34 07.7	-0.7
MK31	Makanchi Array	59.54	326	eP	P	05 34 07.7	-0.7
MK32	Makanchi Array	59.54	326	eP	P	05 34 08.1	-0.3
MK32	Makanchi Array	59.54	326	ePcP	P	05 34 55.5	+0.1
MKAR	Makanchi Array	59.54	326	P	P	05 34 08.1	-0.3
MKAR				PcP	P	05 34 55.5	+0.1
MKAR	Makanchi Array	59.54	326	eP	P	05 34 07.7	-0.7
MKAR				PcP	P	05 34 55.5	+0.1
MKAR	Makanchi Array	59.54	326	eP	P	05 34 07.7	-0.7
MKAR				P	P	05 34 55.6	
KSH	Kashi	59.67	316	P	P	05 34 11.0	+1.4
KSH				sP	P	05 34 21.1	-0.2
KSH				PP	P	05 36 25.8	-4.0
KSH				PcS	S	05 38 56.5	-2.1
KSH				S	S	05 42 18.0	+0.4
KSH				ScS	S	05 43 56.8	-0.2
KSH				pmax	pmax		
KSH	comp=Z,10.0nm,1.0s				pmax	pmax	
KSH	comp=Z,120nm,4.7s				LR	LR	
KSH	comp=Z,190nm,8.7s				LR	LR	
KSH	comp=Z,48nm,6.8s				LR	LR	
KSH	comp=Z,260nm,7.2s				LR	LR	
MAKZ	Makanchi	59.72	326	eP	P	05 34 08.9	-0.7
MAKZ	Makanchi	59.72	326	eP	P	05 34 08.9	-0.7
MAKZ				pmax	pmax		
KDJ	Kajisay	60.09	320	eP	P	05 34 12.1	-0.4
KDJ				pmax	pmax		
KDJ	comp=Z,6.0nm,0.8s				pmax	pmax	
NRN	Naryn	60.54	318	eP	P	05 34 15.2	-0.5
NRN				P	P	05 34 15.2	-0.5
NRN				pmax	pmax		
NRN	comp=Z,4.0nm,0.9s				pmax	pmax	
YAK	Yakutsk	60.89	2	eP	P	05 34 17.2	0.0
YAK				ePP	P	05 34 32.0	-1.6
YAK				e	P	05 34 57.3	
YAK				ePPP	P	05 36 30.3	
YAK				S	S	05 37 56.9	
YAK				S	S	05 42 31.3	-0.8

YAK	eSS	SS	05 42 57.3	+5.7			
YAK	eSS	SS	05 44 03.6				
YAK	eSS	SS	05 46 30.5	-1.3			
YAK		pmax	pmax				
YAK	comp=Z,13nm,0.9s		pmax	pmax			
YAK	comp=N,6.0nm,1.3s		pmax	pmax			
YAK	comp=E,4.0nm,1.2s		pmax	pmax			
YAK	comp=Z,60nm,2.5s		pmax	pmax			
YAK	comp=N,24nm,3.0s		pmax	pmax			
YAK	comp=E,25nm,3.1s		pmax	pmax			
YAK	comp=N,18nm,3.0s		smax	smax			
YAK	comp=E,10.0nm,1.7s		smax	smax			
MA2	Magadan	61.40	14	eP	P	05 34 21.6	+1.0
MA2	Magadan	61.40	14	eP	P	05 34 21.7	+1.0
MA2			pmax	pmax			
TKM2	Tokmak 2	61.50	320	iP	P	05 34 20.5	-1.6
TKM2			pmax	pmax			
SFK	Sufi-Kurgan	61.60	316	iP	P	05 34 21.9	-0.9
SFK			pmax	pmax			
AAK	Ala-Archa	62.09	319	eP	P	05 34 25.6	-0.3
AAK	Ala-Archa	62.09	319	eP	P	05 34 25.6	-0.3
AAK			pmax	pmax			
ZAAO	Zalesovo Array	62.80	334	eP	P	05 34 29.8	-0.5
ZALV	Zalesovo Beam	62.80	334	eP	P	05 34 29.5	-0.7
ZAA1	Zalesovo Array	62.80	334	eP	P	05 34 29.5	-0.7
KURB	Kurchatov Arra	63.78	328	P	P	05 34 36.6	-0.2
KURK	Kurchatov	63.79	328	eP	P	05 34 36.6	-0.3
KURK	Kurchatov	63.79	328	eP	P	05 34 36.4	-0.5
KURK			pmax	pmax			
NVS	Novosibirsk	64.08	334	iP	P	05 34 38.4	-0.3
NVS			pmax	pmax			
NVS	comp=Z,12nm,0.8s			pmax	pmax		
NVS	comp=N,7.0nm,0.9s				pmax	pmax	
SEY	Seymchan	64.73	13	eP	P	05 34 44.5	+1.7
KK31	Karatay Array	64.93	318	eP	P	05 34 43.8	-0.7
KK31	Karatay Array	64.93	318	eP	P	05 34 43.8	-0.7
KKAR	Karatay Array	64.93	318	eP	P	05 34 44.2	-0.3
KKAR	Karatay Array	64.93	318	eP	P	05 34 44.2	-0.3
BVA0	Borovoye Array	69.35	328	iP	P	05 35 12.1	-0.3
BVA0			pmax	pmax			
BVAR	Borovoye Array	69.35	328	P	P	05 35 12.3	-0.1
BVAR			pmax	pmax			
BRVY	Borovoye	69.42	328	eP	P	05 35 12.9	+0.1
BRVY			pmax	pmax			
BRVK	Borovoye	69.42	328	eP	P	05 35 13.1	+0.3
BRVK			pmax	pmax			
TIXI	Tiksi	70.52	1	eP	P	05 35 19.3	-0.1
TIXI	Tiksi	70.52	1	eP	P	05 35 19.3	-0.1
TIXI			pmax	pmax			
TIXI	comp=Z,7.0nm,1.2s			pmax	pmax		
BILL	Bilibino	72.24	15	eP	P	05 35 30.0	+0.4
BILL			ePP	P	05 35 40.9	-0.7	
BILL			sP	P	05 35 45.3	-0.9	
BILL			eSP	P	05 35 48.0		
BILL			SSS	S	05 37 37.0		
BILL			pmax	pmax			
BILL	comp=Z,3.0nm,1.1s			MLR	MLR		
BILL	comp=Z,104nm,18.0s			MLR	MLR		
GEYT	Alibek	72.27	310	P	P	05 35 30.9	+0.4
GEYT			pmax	pmax			
AB31	Akbulak array	73.97	321	iP	P	05 35 39.4	-0.8
AB31			pmax	pmax			
ABKAR	Akbulak array	73.97	321	eP	P	05 35 39.9	-0.3
AKTO	Aktubinsk	75.51	322	P	P	05 35 49.3	+0.2
AKTO			pmax	pmax			
AKTO	comp=Z,4.8nm,0.3s,baz=105,slow=7.5,SNR=22			pmax	pmax		
AKTO	Aktubinsk	75.51	322	iP	P	05 35 47.3	-1.8
AKTO			pmax	pmax			
SVE	Sverdlivskoy	76.03	329	eP	P	05 35 52.4	+0.4
SVE			pmax	pmax			
SVE	comp=Z,31nm,0.9s			pmax	pmax		
ARU	Arti	76.98	328	eP	P	05 35 56.9	-0.5
ARU			pmax	pmax			
ARU	comp=Z,16nm,0.8s			pmax	pmax		
ARU	Arti	76.98	328	iP	P	05 35 56.7	-0.6
ARU			PP	P	05 36 14.2	+0.2	
ARU			S	S	05 38 46.0		
ARU			pmax	pmax	05 45 41.5	-1.2	
ARU	comp=Z,22nm,1.0s			MLR	MLR		
ARU	comp=Z,321nm,21.0s			MLR	MLR		
OPO	Ambohitratompo	80.03	251	P	P	05 36 15.3	+0.1
VNDA	Vanda	80.83	173	P	P	05 36 18.9	+0.8
VNDA			pmax	pmax			
RAYN	Ar Rayn	81.17	294	eP	P	05 36 20.8	-0.2
RAYN			pmax	pmax			
RAYN	Ar Rayn	81.17	294	eP	P	05 36 20.8	-0.2
RAYN			pmax	pmax	</		

16d 6h

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like CN2, CN2, CN2, etc.

2012 MAY

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like DANN, KOLN, KYUN, etc.

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

MEX 16:05:42:12.4:0.0, 16:04:0N-98:23W, h11km, 2km, MD3.8, Near coast of Guerrero

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

ISK 16:05:44:28.9, 37:21N-28:12E, h5km, ML2.5/4

ISCJB 16:05:44:29.5:0.8, 37:23N:0.04:28.15E:0.05, h12km, Error ellipse: s-maj=6.7km s-min=5.8km az=36.0

CSEM 16:05:44:29.7:0.3, 37:23N:28.13E: h2km, ML2.5, Error ellipse: s-maj=7.3km s-min=5.7km az=34.0

DDA 16:05:45:06.3, 37:14N-28:23E, h4km, ML2.6

ISC 16:05:44:29.7:1.0, 37:21N:0.04:28.13E:0.04, h12km, n14, c059/21, Turkey

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

JMA 16:05:52:21.8:0.2, 25:06N:123:35E, h154km, 4km, M3.5, Northeast of Taiwan

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

NNC 16:06:38:20.1:2.8, 53:38N-90:91E, h0km, mb4.0, mpv3.7, 9C-5D, Error ellipse: s-maj=20.9km s-min=15.6km az=51.0, Southwestern Siberia

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

NEIC 16:06:46:53.0:0.0, 18:53N:68:80W, h134km, MD3.4(RSPR), After RSPR

RSPR 16:06:46:53.0, 18:53N:68:80W, h134km, 1km, MD3.4/9, 2C-17D, Mونا Island, P

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like DR12, DR12, DR12, etc.



16d 8h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KALE, Kalithea, Loutraki, etc.

NIED 16 08:19:20.0,24.40N,121.50E,h5km,Mw3.6 Best double couple: Ms3.05000x1014 NP1.0x159.00000, 829.00000, 1.95.00000. NP2.0x344.00000, 661.00000, 1.87.00000.

TAP 16 08:19:28.0,24.40N,121.49E,h5km,ML4.0, C ISCJB 16 08:19:28.0,24.39N,121.50E,0.010,121.51E,0.01, h3km,2km,mb3.7/8, Error ellipse: s-maj=1.9km

s-min=1.4km az=38.0 JMA 16 08:19:28.0,24.39N,121.46E,h5km,M3.6 IDC 16 08:19:37.0,10.0,24.27N,121.66E,h84km,106km, mb3.5/8,mb1 3.5/9,mb1mx3.2/6,mbtm3.8/9,ML3.7/1, Error ellipse: s-maj=8.9km s-min=2.4km az=63.0

ISC 16 08:19:28.0,24.39N,121.50E,0.01,121.50E,0.01,121.50E,0.01, h6km,6km, n118,0.072/182,mb3.9/8,33C-6D,Taiwan

Main table for 16d 8h section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NNSB, NNSH, ENA, etc.

2012 MAY

Main table for 2012 MAY section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DPDB, HSN, HSN, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TWG, Pinlang, TWGB, etc.

MAN 16 08:21:52.4,10.28N,123.30E,h1km,mb4.7,ML3.6,MS3.5, 4C-3D,Cebu

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

SKO 16 08:35:55.8,40.72N,21.28E,h22km,ML2.6 CSEM 16 08:35:56.0,1.40,74N,21.31E,h12km,ML2.4, Error ellipse: s-maj=3.5km s-min=2.3km az=108.0

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





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ANMO Albuquerque, T25A Trinidad, MHTCO State Highway, etc.

IDC 16 09:16:42.47, 8.7, 69S, 128.45E, h2211km, 85km, mb2.7/1, m1 2.9/5, mb1mx2.7/56, mbtmp3.5/5, Error ellipse: s-maj=88.8km s-min=25.1km az=42.0, Banda Sea

IDC 16 09:31:53.0, 0.9, 45, 96N, 154.71E, h0km, mb3.4/7, m1 3.8/10, mb1mx3.6/72, mbtmp3.6/10, ML3.4/3, MS3.5/3, Ms1 3.5/3, ms1mx2.6/50, Error ellipse: s-maj=29.4km s-min=17.7km az=138.0

SKHL 16 09:31:55.2, 0.7, 45, 85N, 154.62E, h37km, 5km, mb4.6/3 MOS 16 09:31:56.2, 1.6, 46, 07N, 154.43E, h35km, mb4.1/2, Error ellipse: s-maj=20.9km s-min=12.1km az=132.3

ISC 16 09:31:56.3, 0.9, 41, 10N, 01, 154, 47E, 0, 09, h19km, m3.5/8, MS3.5/4, Error ellipse: s-maj=15.4km s-min=6.9km az=153.7

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like H11S3 WAKE ISLAND Hy 29.31 156 T, ILAR Eielson Array, etc.

ISC/JB 16 09:44:54.7, 0.5, 83, 43N, 0, 08, 115, 3E, 0, 6, h10km, s-min=9.3km az=12.2

IDC 16 09:44:54.0, 0.6, 83, 43N, 115, 49E, h0km, mb3.7/17, m1 3.9/19, mb1mx3.7/73, mbtmp3.8/19, ML3.5/1, MS3.3/12, Ms1 3.3/12, ms1mx3.0/59, Error ellipse: s-maj=17.2km s-min=12.6km az=165.0

ISC 16 09:44:56.4, 0.6, 83, 46N, 0, 09, 115, 43E, 0, 08, h10km, n29, c055/21, mb3.8/17, MS3.4/12, North of Severnaya Zemlya

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TIKSI Tiksi, RES Resolute Bay, etc.

ISC/JB 16 09:57:35.2, 0.5, 24, 42N, 0, 03, 122, 71E, 0, 02, h81km, 5km, Error ellipse: s-maj=5.1km s-min=2.7km az=0.4

JMA 16 09:57:35.0, 0.1, 24, 39N, 122, 71E, h84km, km, M1.9 TAP 16 09:57:35.2, 24, 45N, 122, 74E, h84km, ML2.8, K

ISC 16 09:57:35.3, 0.1, 24, 43N, 0, 04, 122, 72E, 0, 02, h84km, 8km, n58, c0570/100, IC, Taiwan region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NWF Wuzhen Shan, WFSB Wu-fen Shan, etc.

NNC 16 10:11:08.3, 2.4, 53, 54N, 87, 65E, h0km, mb3.5, mpv3.2, Error ellipse: s-maj=19.1km s-min=8.4km az=62.0

IDC 16 10:11:08.4, 2.6, 53, 48N, 87, 68E, h0km, mb1.3, 3/2, mb1mx3.0/70, mbtmp3.3/2, ML2.9, 2, 8C-4D, Error ellipse: s-maj=22.1km s-min=14.6km az=65.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, 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 SIMA, STEP, ISP, AYVA, GEDZ, etc.

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

DDA 16 11:55:59.8, 36:85N, 27:57E, h7km, ML2.8/0
ISK 16 11:56:00.1, 36:87N, 27:57E, h4km, ML3.0/9
ATH 16 11:56:00.7, 36:81N, 27:55E, h35km, 5km, ML2.9/3, Error

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

DDA 16 11:49:11.8, 36:86N, 27:55E, h5km, ML2.8/10
ISCJB 16 11:49:12.4, 0.4, 36:88N, 0.03, 27:57E, 0.04, h9km, 4km, Error ellipse: s-maj=6.1km s-min=3.5km az=144.8

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

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

DDA 16 12:11:25.5, 36:87N, 27:61E, h8km, ML3.2
CSEM 16 12:11:26.0, 0.1, 36:87N, 27:57E, h8km, ML2.9, Error ellipse: s-maj=4.2km s-min=2.9km az=46.0

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

JMA 16 12:13:03.9, 0.3, 43:88N, 147:98E, h8km, M3.5
SKHL 16 12:13:05.1, 0.5, 44:29N, 148:02E, h25km, 5km, mb4.3/5

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

ISC 16 11:49:11.8, 36:86N, 27:55E, h5km, ML2.8/10
ISCJB 16 11:49:12.4, 0.4, 36:88N, 0.03, 27:57E, 0.04, h9km, 4km, Error ellipse: s-maj=6.1km s-min=3.5km az=144.8

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

DDA 16 11:49:12.4, 0.4, 36:87N, 27:57E, h8km, ML2.8/10
ISC 16 11:49:12.4, 0.4, 36:87N, 27:57E, h8km, ML2.8/10, Error ellipse: s-maj=3.2km s-min=1.5km az=227.0

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

DDA 16 11:49:12.4, 0.4, 36:87N, 27:57E, h8km, ML2.8/10
ISC 16 11:49:12.4, 0.4, 36:87N, 27:57E, h8km, ML2.8/10, Error ellipse: s-maj=3.2km s-min=1.5km az=227.0

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

DDA 16 11:49:11.8, 36:86N, 27:55E, h5km, ML2.8/10
ISCJB 16 11:49:12.4, 0.4, 36:88N, 0.03, 27:57E, 0.04, h9km, 4km, Error ellipse: s-maj=6.1km s-min=3.5km az=144.8

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

DDA 16 11:49:12.4, 0.4, 36:87N, 27:57E, h8km, ML2.8/10
ISC 16 11:49:12.4, 0.4, 36:87N, 27:57E, h8km, ML2.8/10, Error ellipse: s-maj=3.2km s-min=1.5km az=227.0

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

DDA 16 11:49:12.4, 0.4, 36:87N, 27:57E, h8km, ML2.8/10
ISC 16 11:49:12.4, 0.4, 36:87N, 27:57E, h8km, ML2.8/10, Error ellipse: s-maj=3.2km s-min=1.5km az=227.0

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

DDA 16 11:49:11.8, 36:86N, 27:55E, h5km, ML2.8/10
ISCJB 16 11:49:12.4, 0.4, 36:88N, 0.03, 27:57E, 0.04, h9km, 4km, Error ellipse: s-maj=6.1km s-min=3.5km az=144.8

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

DDA 16 11:49:12.4, 0.4, 36:87N, 27:57E, h8km, ML2.8/10
ISC 16 11:49:12.4, 0.4, 36:87N, 27:57E, h8km, ML2.8/10, Error ellipse: s-maj=3.2km s-min=1.5km az=227.0

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

DDA 16 11:49:12.4, 0.4, 36:87N, 27:57E, h8km, ML2.8/10
ISC 16 11:49:12.4, 0.4, 36:87N, 27:57E, h8km, ML2.8/10, Error ellipse: s-maj=3.2km s-min=1.5km az=227.0

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

FTZ Fitzroy Crossi 55.29 259 P P 12 23 30.1 0.0

ISK 16 12:29:39.2, 36.93N, 27.48E, h10km, ML3.0/3
DDA 16 12:29:41.9, 36.87N, 27.57E, h7km, ML3.1
ISCJB 16 12:29:42.4, 0.5, 36.86N, 0.03, 27.60E, 0.04, h10km, 4km,
Error ellipse: s-maj=6.5km s-min=4.1km az=140.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Datca-Mugla, Kayabasi, Nisiroi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Datca-Mugla, Kayabasi, Nisiroi, etc.

IGQ 16 12:41:12.8, 1.4, 2'S, 107.9'W, h7km, 6km, MLV4.1/3,
Near coast of Ecuador

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include AGUAY, ARRY, RETU, etc.

ISCJB 16 12:51:40.5, 0.5, 3.22S, 0.06, 139.50E, 0.05, h100km,
mb3.5/3, Error ellipse: s-maj=9.7km s-min=6.3km
az=152.5

DJA 16 12:51:41.2, 0.5, 3.5'S, 104.1'W, h94km, 10km, M4.7/6,
mB5.6/2, mb4.7/5, MLV4.8/6, Mw(mB)5.1/2
IDC 16 12:51:45.0, 2.6, 3.30S, 139.31E, h113km, 24km, mb3.3/3,
mb1 3.7/7, mb1mx3.4/48, mbtmp4.1/7, MS2.9/2, Ms1 2.9/2,
ms1mx2.4/25, Error ellipse: s-maj=25.8km s-min=14.6km
az=97.0

ISC 16 12:51:41.5, 0.8, 3.22S, 0.08, 139.40E, 0.07, h100km, n19,
c272/22, mb3.5/3, Irian Jaya

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include WAMI, GENI, JAY, etc.

ISCJB 16 12:55:16.0, 0.4, 36.87N, 0.03, 27.61E, 0.04, h5km, 6km,
Error ellipse: s-maj=6.9km s-min=3.6km az=147.9
ATH 16 12:55:15.1, 36.86N, 27.33E, h61km, 7km, ML2.7/3, Error

ellipse: s-maj=12.1km s-min=1.9km az=229.0
ISK 16 12:55:15.2, 36.87N, 27.58E, h4km, ML2.9/5
DDA 16 12:55:15.4, 36.85N, 27.60E, h7km, ML3.3
CSEM 16 12:55:16.0, 0.1, 36.88N, 27.60E, h5km, ML2.9, Error
ellipse: s-maj=4.0km s-min=2.5km az=54.0
ISC 16 12:55:15.6, 0.8, 36.87N, 0.02, 27.63E, 0.02, h12km, 6km,
n34, c1927/49, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Datca-Mugla, Kayabasi, Bodrum, etc.

KRSC 16 13:02:27.2, 1.8, 50.63N, 156.99E, h90km, 21km, ML3.7,
Kurii Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include SKR, SKR, PAU, etc.

KRNET 16 13:07:46.5, 0.1, 41.93N, 72.56E, h11km, mb2.1
SOME 16 13:07:46.9, 0.1, 41.93N, 72.53E, h10km
NNC 16 13:07:47.5, 0.8, 41.97N, 72.60E, h0km, mb2.6, mpv2.3,
Error ellipse: s-maj=6.1km s-min=3.3km az=52.0
ISC 16 13:07:46.7, 0.1, 41.93N, 0.03, 72.57E, 0.03, h11km, 9km,
n20, c061/37, 20C-14Z, Kyrgyzstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include TOKL, ARK, ARK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include KBK, KBK, KK31, etc.

ISCJB 16 13:17:02.9, 1.6, 36.65N, 0.09, 27.73E, 0.06, h10km, Error
ellipse: s-maj=13.8km s-min=4.5km az=20.4
CSEM 16 13:17:03.5, 0.6, 36.65N, 27.71E, h2km, ML2.9, Error
ellipse: s-maj=12.9km s-min=4.2km az=22.0
DDA 16 13:17:07.4, 36.82N, 27.58E, h7km, ML2.9/5
ISK 16 13:17:07.5, 36.92N, 27.61E, h13km, ML2.5/5
ISC 16 13:17:06.5, 1.4, 36.85N, 0.08, 27.76E, 0.04, h10km, n18,
c1958/23, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include BDRM, BDRM, BDRM, etc.

NNC 16 13:19:57.8, 2.5, 36.59N, 70.35E, h0km, mb4.0, mpv3.6,
Error ellipse: s-maj=19.0km s-min=9.7km az=3.0
IDC 16 13:19:58.9, 10.0, 3.6, 12N, 69.94E, h162km, 116km,
mb3.7/1, mb1 3.3/4, mb1mx2.8/63, mbtmp3.9/4, Error
ellipse: s-maj=155.6km s-min=45.0km az=167.0
ISC 16 13:20:00.0, 2.0, 36.4N, 0.1, 70.08E, 0.08, h150km, n11,
c2810/15, 11C-3D, Hindu Kush region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include DZET, DZET, SFK, etc.

DJA 16 13:23:29.6, 1.3, 2'N, 97E, 2'9, h11km, 25km, M2.9/4,
MLV2.9/4, Northern Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include TPTI, TPTI, GSI, etc.

IDC 16 13:24:00.9, 3.0, 5.64N, 91.10E, h0km, mb3.4/3, mb1 3.7/4,
mb1mx3.9/64, mbtmp3.4/4, ML4.3/1, Error ellipse:
s-maj=101.8km s-min=28.6km az=64.0, Off west coast
of northern Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include CMAR, CMAR, WRA, etc.

SJA 16 13:30:46.3, 1.1, 31.20S, 68.44W, h118km, 6km, ML3.7,
MW3.9, San Juan Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include SJA





Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Includes stations like K40A Colesburg, J37A Seneca I, SWEA, etc.

CSEM 16 14:25:39.0, 6.7, 34.74N, 45.81E, h10km, ML2.6, Error ellipse: s-maj=20.2km s-min=24.1km az=127.0

TEH 16 14:25:42.5, 34.50N, 46.39E, h6km, ML2.6, Western Iran

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Includes stations like IVIS Veis, KCHF Cheshme Sefid, etc.

IDC 16 14:38:11.7, 1.2, 15.69N, 145.54E, h306km, 12km, mb3.0/5, m-1 3.1/6, mb1mx2.7/67, mbtmp3.7/6, Error ellipse: s-maj=36.0km s-min=21.8km az=94.0, Mariana Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Includes stations like GUMO Guam, WRA Warramunga Arr, etc.

IDC 16 14:43:08.9, 2.1, 36.80N, 141.45E, h0km, mb3.5/3, mb1 3.6/4, mb1mx3.2/70, mbtmp3.4/4, ML3.0, 1/5, MS3.8/4, Ms1 2.9/4, ms1mx2.4/4.8, Error ellipse: s-maj=44.2km s-min=28.7km az=54.0

ISCBJ 16 14:43:09.2, 1.9, 36.75N, 140.04, 141.42E, 0.08, h12km, 14km, mb3.5/3, MS3.5/2, Error ellipse: s-maj=10.3km s-min=6.7km az=10.3

JMA 16 14:43:11.5, 36.78N, 141.27E, h27km, 1km, M3.2

ISC 16 14:43:10.0, 2.2, 36.77N, 140.05, 141.37E, 0.09, h9km, 11km, h21, s=0.97/21, mb3.6/3, Near east coast of eastern

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

Table with columns: JYT Yasoto, JYT JFT, JYT Otama, etc. Includes stations like SHIBOYA, MARUMORI, MATSUHIRO, etc.

MAN 16 14:56:39.5, 10.27N, 123.24E, h1km, mb4.5, ML3.3, MS3.1, 4D, Cebu

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Includes stations like LLP Lapu-Lapu, LLP Lapu-Lapu, GUIM Jordan, etc.

KRSK 16 14:59:11.7, 1.0, 55.16N, 162.77E, h31km, 22km, ML3.6, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Includes stations like MKZ Mys Kozlova, KBTR Krutoberegovo, TUMD Tumrok D, etc.

IDC 16 15:02:48.2, 6.2, 61.33N, 150.18W, h33km, 22km, mb4.5/42, mb1 4.5/47, mb1mx4.4/80, mbtmp4.6/47, ML4.1, 1/5, MS3.4/37, Ms1 3.4/37, ms1mx3.2/70, Error ellipse: s-maj=115.0km s-min=8.2km az=171.0

MOS 16 15:02:49.0, 0.9, 61.14N, 150.17W, h61km, mb4.9/65, Error ellipse: s-maj=9.1km s-min=4.1km az=92.9

KMBJ 16 15:02:49.7, 0.2, 61.16N, 150.01W, 0.02, h66km, 1km, mb4.7/208, Error ellipse: s-maj=42.4km s-min=1.9km az=15.7

BuJ 16 15:02:50.2, 6.1, 39N, 150.68W, h60km, mb5.0/42, mb4.9/30, Ms4.7/10, Ms3.4/4/10

NEIC 16 15:02:51.8, 0.0, 61.12N, 149.93W, h62km, mb4.7/131, MW4.7, ML4.6(AEIC), Moment Tensor Solution, s54 Moment tensor: Scale 10^16Nm; Mx0.02; My-0.16; Mz0.14; Mw-0.51; Mxy0.37; Mxz0.51; Best double couple: M1.40000\*10^16 Np1.53.00000\*10^16, lambda-2.00000\*10^16, lambda-1.50000\*10^16, Principal axes: T 1.3500, Plg19.0000\*, Azm274.0000\*, N 0.1100, Plg2.0000\*, Azm148.0000\*, P -1.4600, Plg22.0000\*, Azm13.0000\*, After AEIC: NEIC Objects knocked from shelves [V] at Anchorage. Felt [IV] at Chugiak, Eagle River, Elmendorf AFB, Fort Richardson, Girdwood and Palmer; [III] at Kenai, Moose Pass, Soldotna, Talkeeta, and Wasilla; [II] at Seward. Felt widely in south-central Alaska.

GCMT 16 15:02:51.8, 0.4, 61.19N, 150.18W, h92km, 4km, MW4.9/64, Moment Tensor Solution, s24,c82; s64,c82; Duration: 0 Moment tensor: Scale 10^16Nm; Mx-0.38; 13; Mw-1.14; My-1.14; Mz-1.92; 12; Mxy-0.79; 10; Mxz-1.16; 12; Mxz-1.14; 11; Best double couple: M2.71400\*10^16 Np1.53.00000\*10^16, lambda-2.00000\*10^16, lambda-1.50000\*10^16, Principal axes: T 2.71400, Plg17.0000\*, Azm281.0000\*, N 0.1220000\*, Plg58.0000\*, Azm162.0000\*, P -2.6510, Plg26.0000\*, Azm20.0000\*; nsta1 refers to surface waves, cutoff=50s.

ISC 16 15:02:50.7, 0.4, 61.13N, 150.01W, 0.03, h62km, 3km, h62km; P-P, N669, s1911/685, mb4.7/208, 26C-22D,

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Includes stations like PMR Palmer, BRK Bradley Lake, etc.





16d 15h

Table with columns: Call sign, Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like VRAC Vranov, BFO Black Forest, STHS Stebnicka Huta, etc.

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Table with columns: Call sign, Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like JIRN Jiri, DANN Dangsing, PKI Pulchoki, etc.

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Table with columns: Call sign, Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like SMLT Sun Moon Lake, SMLT Sun Moon Lake, etc.

ISC/JB 16:15:07:52.1+0.3,23.45N+0.02+122.14E:0.02,1h7km,3km, Error ellipse: s-maj=3.0km s-min=1.9km az=142.9

JMA 16:15:07:52.8+0.1,23.47N+122.09E,h29km,M3.1 TAP 16:15:07:54.0,23.47N+122.09E,h34km,ML3.5,C

ISC 16:15:07:51.4+1.0,23.46N+122.13E:0.02,h15km,8km, h1105,+0976/165,8C+25D,Taiwan region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, Time Res, h m s, ISC. Includes stations like HGSD Ruisui, HGSD Shoufeng, ENLB Shoufeng, etc.





Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like FETHY, KARPP, KARP, etc.

ISK 16 16:25:01.7,36:84N,27:56E,h7km,ML2.8/11

ATH 16 16:25:01.9,36:86N,27:56E,h27km,2km,ML2.7/3,Error

THE 16 16:25:02.1,36:88N,27:59E,h5km,2km,ML2.6/3,Error

ISCJJB 16 16:25:02.4,0.5,36:86N,0.02,27:56E,0.04,h7km,4km,

DDA 16 16:25:02.6,36:88N,27:61E,h7km,ML2.9

CSEM 16 16:25:02.5-0.1,36:86N,27:57E,h8km,ML2.8,Error

ISC 16 16:25:01.9,0.8,36:86N,0.02,27:62E,0.02,h12km,6km,

Main table for the first section, listing station codes, names, and coordinates for various locations like DUTC, DATC, BDRM, etc.

MEX 16 16:57:41.3,0.4,16:01N,97:70W,h20km,31km,MD3.8,

Table for MEX stations including PNIG, VHO, HUIG, etc.

IDC 16 16:36:02.0,4.7,18:61N,145:49E,h185km,39km,0.0/5,

Table for IDC stations including Code, Station Name, Azimuth, Phase ID, Time, Residual.

Table for GUMO, WRA, FITZ, ASAR, YKAR, NVAR stations.

NDI 16 17:43:01.7,2.4,25:22N,91:42E,h10km,ML3.0

ISC 16 17:43:01.2,1.3,25:21N,91:40E,0.04,h6km,11km,

n11,01920/17,India-Bangladesh border region

Table for NDI and ISC stations including SHL, SHL, GUWA, AGT, etc.

ISCJJB 16 17:57:56.6,0.5,23:28N,0.02,122:61E,0.02,h17km,4km,

JMA 16 17:57:57.6,0.2,23:25N,122:60E,h55km,ML2.5

TAP 16 17:57:58.0,23:25N,122:65E,h50km,2km,ML2.8,D

ISC 16 17:57:54.1,1.2,23:24N,0.03,122:63E,0.02,h7km,10km,

n77,0594/121,Taiwan region

Table for ISCJJB, JMA, TAP, and ISC stations including HGSD, ENLB, CHKT, etc.

Large table for the right section, listing station codes, names, and coordinates for various locations like ECL, TWT, TDCB, etc.

TEH 16 17:59:52.3,27:59N,52:28E,h10km,ML3.0

ISCJJB 16 17:59:55.5,1.0,27:63N,0.04,52:30E,0.08,h14km,Error

OMAN 16 17:58:60.0,1.0,27:62N,52:64E,h11km,19km,Error

ISC 16 17:59:57.1,1.8,27:64N,0.06,52:38E,0.10,h14km,n9,

0192/14,Southern Iran

Table for TEH, OMAN, and ISC stations including JHRM, JHRM, ISRV, etc.

ICHK comp-Z,299nm,0.1s eAMB AMB 18 01 10.4

MAN 16 18:12:57.0,10.26'N,125.86'E,h21km,mb4.1,ML2.9, MS2.6, 1C, Leyte

IDC 16 18:22:43.4,8.3,6.81'S,129.81'E,h147km,e85km,mb3.7/2, mb1 3.6/6, mb1mx3.2/50,mbtmp4.0/6, Error ellipse: s-maj=72.4km s-min=26.1km az=39.0

ISC 16 18:22:46.0,2.8,7.2'S,0.2,129.9'E,0.1,h104km,m6, e0577/8, Banda Sea

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

IDC 16 18:29:34.7,1.9,3.25'N,126.34'E,h0km,mb3.4/4, mb1 3.5/4, mb1mx3.2/55,mbtmp3.4/4, Error ellipse: s-maj=188.0km s-min=22.0km az=66.0, Talaud Islands

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

MAN 16 18:34:32.5,9.11'N,126.47'E,h8km,mb3.8,ML2.5,MS2.0, 1D, Mindanao

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

BUI 16 18:49:23.4,1.38'N,125.76'E,h20km,mb4.7/27,mb4.8/16, Ms4.2/2, Ms7 3.9/2

ISCJB 16 18:49:28.7,0.2,1.57'N,0.03,125.83E,0.04,h54km, mb4.5/45,MS3.2/16, Error ellipse: s-maj=6.9km s-min=3.7km az=151.7

NEIC 16 18:49:29.6,2.2,1.51'N,125.86'E,h50km,21km,mb4.8/12, Error ellipse: s-maj=8.5km s-min=6.1km az=60.0

IDC 16 18:49:30.0,2.4,1.52'N,125.82'E,h53km,22km,mb4.2/28, mb1 4.2/30, mb1mx3.1/52,mbtmp4.3/30,ML4.1/2,MS3.2/18, Mb1 3.2/18, ms1mx3.1/50, Error ellipse: s-maj=15.7km s-min=10.5km az=62.0

DJA 16 18:49:34.4,0.4,1.7'N,5.12'E, h79km,4km,MA,6/24, mb4.8/24,mb5.0/11,MLV4.8/12,Mw(mB)4.4/11

ISC 16 18:49:30.3,0.4,1.47'N,0.05,125.85E,0.06,h54km,n108, e175/97,mb4.5/44,MS3.4/16,2C, Northern Molucca Sea

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

Main table with columns: CTA, Charters Tower, 29.31 138 P, 10nm,1.0s,baz=330,slow=11,SNR=4.5

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

ISK 16 19:08:48.3,36.84'N,127.54'E,h7km,ML2.7/8 DDA 16 19:08:48.6,36.86'N,127.61'E,h7km,ML2.9

ISCBJ 16 19:08:49.0,0.4,36.85'N,102.27,57E,0.04,h7km,4km, Error ellipse: s-maj=5.7km s-min=3.3km az=157.2

CSEM 16 19:08:49.2,0.1,36.86'N,127.56E,h8km,ML2.7, Error ellipse: s-maj=3.9km s-min=2.4km az=58.0

ATH 16 19:08:49.1,36.84'N,127.51E,h30km,1km,ML2.2/3, Error ellipse: s-maj=2.3km s-min=1.2km az=231.0

ISC 16 19:08:48.9,0.8,36.85'N,102.27,59E,0.02,0.1,h11km,6km, n40,i1925/7, Dodecanese Islands

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

TEH 16 19:14:05.2,39.38'N,44.80'E,h11km,ML2.7 DDA 16 19:14:07.8,39.73'N,44.75'E,h7km,ML2.7

ATA 16 19:14:07.5,1.1,39.70'N,44.71'E,h15km,12km,ML3.1, MW3.0

ISC 16 19:14:03.2,1.9,39.82'N,0.08,45.01E,0.06,h4km,14km, n14,e085/19,Iran-Armenia-Azerbaijan border region

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

ISK 16 19:07:11.3,38.74'N,43.45'E,h5km,ML2.2/3 ATA 16 19:07:12.5,1.0,38.59'N,42.60'E,h15km,36km,ML2.5, MW2.6

ISC 16 19:07:11.5,2.6,38.73'N,0.04,43.6E,0.2,h20km,7km,n7, e0593/11,Turkey

BUI 16 19:18:21.4,0.52'N,96.24'E,h10km,mb4.5/28,mb4.7/15, Ms4.3/2

IDC 16 19:18:24.0,0.6,0.78'N,95.98'E,h0km,mb4.3/25, mb1 4.4/28,mb1mx4.2/69,mbtmp4.3/28,ML3.8/3,MS3.2/7, Ms1 3.2/7, ms1mx2.8/56, Error ellipse: s-maj=19.7km s-min=13.4km az=41.0

NEIC 16 19:18:25.3,0.4,0.81'N,95.99'E,h10km,mb4.6/10, Error

16d 20h

ellipse: s-maj=9.7km s-min=8.1km az=221.0
DJA 16:19:18:25.9,0.5,1.1N,3.9°E, h10km, M4.6/12, mB4.8/1,
mb4.8/6, MLV4.5/12, Mw(MB)4.1/1
ISCJCB 16:19:18:27.3,0.3,0.89N,0.04:96°13E:0.03, h33km,
mb4.4/34, Error ellipse: s-maj=5.6km s-min=4.2km
az=26.5

ISC 16:19:18:29.4,0.5,0.92N,0.06:96°11E:0.06, h35km, n102,
c1528/95, mb4.5/34, 6C-7D, Off west coast of northern
Sumatera

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

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Table with columns: SEY, SORM, AKASO, KIEV, VRI, PLOH, TESR, SECR, MLR, MLR, PRAR, BURAR, VTS, BZS, CRVS, FINES, VYHS, ARCES, GERES, HFS, QSPA, NVAR, CPUP, LPIG, TXAR, JCT. Lists seismic events with details like magnitude, depth, and location.

ISC 16:19:22:10.1±1.1, 18.875±176.18W, h0km, mb3.8/2,
mb1 4.1/2, mb1mx3.5/47, mbtm3.8/2, Error ellipse:
s-maj=290.7km s-min=113.4km az=152.0, Fiji Islands
region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Lists stations for the Fiji Islands event.

MAN 16:19:30:33.6, 10.26N, 123.03E, h63km, mb3.5, ML2.2,
MS1.6, 1D, Cebu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Lists stations for the Cebu event.

ISCJCB 16:19:53:22.7, 0.8, 4.32N, 0.07:75°50'W:0.06, h196km, 5km,
mb2.9/2, Error ellipse: s-maj=12.1km s-min=9.1km
az=138.2

ISC 16:19:53:24.5±1.4, 4.32N, 75°29'W, h205km, 11km, mb2.9/2,
mb1 3.1/2, mb1mx2.7/53, mbtm3.4/2, Error ellipse:
s-maj=36.2km s-min=32.5km az=25.0
RSNC 16:19:53:25.2±1.1, 4.36N, 75°48'W, h180km, 9km, ML3.3,
Mw3.7

ISC 16:19:53:22.7±0.9, 4.33N, 0.07:75°49'W:0.06, h194km, 6km,
n19, c113/25, 1D, Colombia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Lists stations for the Colombia event.

NEIC 16:19:56:56.9±1.1, 54°14'S:63°12'W, h10km, mb4.3/1, Error
ellipse: s-maj=29.7km s-min=17.2km az=87.0

ISCJCB 16:19:56:59.3±0.9, 53.9S:0.1°61'7W:0.4, h10km, mb3.9/9,
Error ellipse: s-maj=35.4km s-min=18.1km az=169.3

ISC 16:19:56:59.0±1.2, 53.86S:61°67'W, h0km, mb4.0/9,
mb1 4.1/9, mb1mx3.8/36, mbtm4.0/9, Error ellipse:
s-maj=44.1km s-min=22.0km az=80.0

ISC 16:19:57:00.4±0.9, 53.9S:0.1°61'8W:0.2, h10km, n17,
c102/16, mb3.9/9, Falkland Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Lists stations for the Falkland Islands event.

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0.3nm, 0.3s, baz=257, slow=4.8, SNR=2.7
KURK Kurchatov 155.83 81 PKPab PKPab 20 17 18.8 -1.7

MEX 16:19:57:20.8±0.6, 17.26N:94.75W, h177km±12km, MD3.7,
Chiapas

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Lists stations for the Chiapas event.

IDC 16:19:58:11.2±3.1, 14.44N:91°86'W, h72km±22km, mb3.5/5,
mb1 3.8/8, mb1mx3.4/52, mbtm3.3/8, MS3.1/5, Ms1 3.1/5,
ms1mx2.7/29, Error ellipse: s-maj=57.0km s-min=24.1km
az=32.0

ISC 16:19:58:10.6±1.3, 14.44N, 02°29'00.0"1, h67km, n14,
c1502/11, mb3.8/5, Guatemala

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Lists stations for the Guatemala event.

SOME 16:20:02:46.5±1.1, 77N:82°17'E, h10km
NINC 16:20:02:51.6±2.5, 41°56'N:82°12'E, h0km, mb3.6, mpv3.2,
Error ellipse: s-maj=21.5km s-min=11.4km az=139.0

ISC 16:20:02:45.4±2.7, 41°57'N:0°10.8192E:0.07, h5km±13km,
n20, c163/39, 12C-5D, Southern Xinjiang

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Lists stations for the Southern Xinjiang event.

IDC 16:20:14:23.7±2.3, 36°43'N:143°14'E, h0km, mb3.2/3,
mb1 3.4/6, mb1mx3.2/63, mbtm3.4/6, ML3.2/3, Error

ellipse: s-maj=50.4km s-min=27.7km az=88.0
ISCJJB 16 20:14:26.0.9.36;48N.0.04.142.92E.0.7;h29km
mb3.3/3,Error ellipse: s-maj=8.1km s-min=5.8km az=19.9

DDA 16 21:01:21.0.39;08N.29.17E;h7km,ML2.5
ISC 16 21:01:21.6.39;13N.29.16E;h6km,ML2.0/5
ISC 16 21:01:21.9.0.8;39.12N.0.03.29.17E.0.02;h9km,6gkm,

REFA Refahiye\_ERZ 1.50 269 P Pg 21 26 02.0 +0.0
SVRC Sivrice-ELAZIG 1.52 226 PN Pp 21 26 05.1 +3.1
SVRC Sivrice-ELAZIG 1.52 226 ePn Pp 21 26 05.1 +3.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like JFJK Kawauchi, JFT Otawa, JAG Ashikaga, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like SHAP Saphane-Kutahya, SHAP Saphane-Kutahya, SMAA Simav-Kutahya, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like REFA Refahiye\_ERZ, SVRC Sivrice-ELAZIG, DIYA Diyarbakir, etc.

MEX 16 20:16:01.4.0.6;1432N.93.48W,h15km,MD3.8,Near coast of Chiapas

ATA 16 21:25:32.2.1.8;39.42N.40.69E,h2km,8km,ML3.9, MW3.8

REFA Refahiye\_ERZ 1.50 269 P Pg 21 26 02.0 +0.0
SVRC Sivrice-ELAZIG 1.52 226 PN Pp 21 26 05.1 +3.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like PCIG Kawauchi, THIG Otawa, CCIG Comitan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like BORA Eskisehir, BORA Eskisehir, KCTX Karacabey (Bur), etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like REFA Refahiye\_ERZ, SVRC Sivrice-ELAZIG, DIYA Diyarbakir, etc.

ARO 16 20:20:39.7.10;N.24.4.3E;6.3,h15km,99km,ML3.5, Northwestern Somalia

ISC 16 21:25:33.0.39;41N.40.69E,h3km,ML3.4/15
DDA 16 21:25:33.3.39;44N.40.70E;h13km,ML3.4
CSEM 16 21:25:34.0.0.1;39.44N.40.69E,h2km,ML3.4,Error ellipse: s-maj=3.1km s-min=2.8km az=10.0

REFA Refahiye\_ERZ 1.50 269 P Pg 21 26 02.0 +0.0
SVRC Sivrice-ELAZIG 1.52 226 PN Pp 21 26 05.1 +3.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like ATA Atar, ATD Arta Tunnel, ATD Arta Tunnel, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like BORA Eskisehir, KCTX Karacabey (Bur), BALLY Balya, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like REFA Refahiye\_ERZ, SVRC Sivrice-ELAZIG, DIYA Diyarbakir, etc.

GUC 16 20:30:25.6.1.0.32;89S;71.41W,h45km,2km,ML2.6
SJA 16 20:30:26.6.1.0.32;86S;71.32W,h4km,ML2.1,MW2.7
ISC 16 20:30:26.2.8.32;79S;0.06;71.5W;0.1,h3km,16km,n10, c0589/20,Near coast of central Chile

ISC 16 21:25:33.7.1.0;39.44N.40.01.40.70E.0.01,h3km,9gkm, n137,c1915/187,5C-7D,Turkey

REFA Refahiye\_ERZ 1.50 269 P Pg 21 26 02.0 +0.0
SVRC Sivrice-ELAZIG 1.52 226 PN Pp 21 26 05.1 +3.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like PEL Peldehue, RCDM Rinconada Maip, RCDM Rinconada Maip, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like ECAT Cat-ERZURUM, ECAT Cat-ERZURUM, ECAT Cat-ERZURUM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like REFA Refahiye\_ERZ, SVRC Sivrice-ELAZIG, DIYA Diyarbakir, etc.

MAN 16 20:37:39.1.10;10N.125.40E,h3km,MS2.4,ML3.3,MS3.1, IC-1D,LeYTE

ISC 16 21:25:33.7.1.0;39.44N.40.01.40.70E.0.01,h3km,9gkm, n137,c1915/187,5C-7D,Turkey

REFA Refahiye\_ERZ 1.50 269 P Pg 21 26 02.0 +0.0
SVRC Sivrice-ELAZIG 1.52 226 PN Pp 21 26 05.1 +3.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like SCPH Surigao, SCPH Surigao, MSLP Maasin, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like ECAT Cat-ERZURUM, ECAT Cat-ERZURUM, ECAT Cat-ERZURUM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like REFA Refahiye\_ERZ, SVRC Sivrice-ELAZIG, DIYA Diyarbakir, etc.

IDC 16 20:42:01.4.1.1;1283N.144.82E,h76km,24km,mb3.2/4, mb1.3.5/4,mb1mx3.1/57,mb1mp3.5/4,MS2.9.1,Ms1.2.9/1, ms1mx2.3/21,Error ellipse: s-maj=59.0km s-min=24.0km az=71.0,South of Mariana Islands

ISC 16 21:25:33.7.1.0;39.44N.40.01.40.70E.0.01,h3km,9gkm, n137,c1915/187,5C-7D,Turkey

REFA Refahiye\_ERZ 1.50 269 P Pg 21 26 02.0 +0.0
SVRC Sivrice-ELAZIG 1.52 226 PN Pp 21 26 05.1 +3.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like GUMO Guam, GUMO Guam, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like ECAT Cat-ERZURUM, ECAT Cat-ERZURUM, ECAT Cat-ERZURUM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like REFA Refahiye\_ERZ, SVRC Sivrice-ELAZIG, DIYA Diyarbakir, etc.

ISCJJB 16 21:01:21.7.0.4.39;10N.0.04.29.17E.0.03;h9km,4km, Error ellipse: s-maj=6.3km s-min=4.0km az=167.8
CSEM 16 21:01:21.7.0.1.39;12N.0.03.29.17E,h5km,ML2.0,Error ellipse: s-maj=3.0km s-min=2.4km az=144.0

ISC 16 21:25:33.7.1.0;39.44N.40.01.40.70E.0.01,h3km,9gkm, n137,c1915/187,5C-7D,Turkey

REFA Refahiye\_ERZ 1.50 269 P Pg 21 26 02.0 +0.0
SVRC Sivrice-ELAZIG 1.52 226 PN Pp 21 26 05.1 +3.1



CSEM 16 22:31:46.7,0.5,42.67N,-32.72E,h20km,ML3.1,Error ellipse: s-maj=13.4km s-min=4.9km az=3.0

DDA 16 22:31:46.4,42.43N,-32.83E,h18km,ML3.1

SIGU 16 22:31:46.0,0.2,42.52N,-32.71E,h16km,9km

ISC 16 22:31:45.4,2.9,42.62N,-0.02,32.73E,0.03,h14km,21km,n100,r1564/127,3C-7D,Black Sea

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

Table with columns: MLR, Muntele Rosu, VOIR, VOIR, SORM, Soroca, LOT, Lotru, BURAR, Bucovina Array, BURAR, Bucovina Array. Includes time and phase data.

MEX 16 23:05:31.8,0.5,16.05N,-98.65W,h20km,999km,MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like PNIG, TLIG, TLIG, CAIG, El Cayaco, HUIG, Huista Hermosa, VHO, HUIG, Huatulco, PLIG, Platanillo, FLIG.

MIRAS 16 23:32:31.7,0.0,60.20N,-59.98E,h1km,ML2.7/4, ISC 16 23:32:36.1,2.3,60.0N,0.1,60.07E,0.09,h10km,n5, r1509/7,2C-2D,Ural Mountains region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like SVUR, Severouralsk, SVUR, SVUR, PR1R, Pomanovo, PR1R, ARU, Arti, ARU, ARU, BRVK, Borovoye, BRVK, BVAO, Borovoye Array, BVAO, BVAO.

IDC 16 23:43:45.0,5.1,29.73S,-179.33W,h0km,mb3.7/2, mb1 4.0/2, mb1mx3.6/42, mbtmp3.7/2, Error ellipse: s-maj=226.2km s-min=80.7km az=165.0

ISCJB 16 23:44:24.8,0.7,32.36S,0.07,179.5W,0.2,h350km, mb3.0/2, Error ellipse: s-maj=21.6km s-min=6.9km az=19.0

WEL 16 23:44:28.6,0.9,32.56S,18.0W,1.6,h258km,16km, ISC 16 23:44:26.2,1.7,32.4S,0.1,179.5W,0.2,h350km,n48, r1527/53,South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like GLKZ, Green Lake, GLKZ, Matakaoa Point, MNXZ, GRZ, Great Barrier, WMGZ, Waomatatini S, WMGZ, Te Kaha, HAZ, PAKI, Pakihiroa, KUZ, Kuaotunu, PUZ, Puketiti, RUGZ, Raukumara Rang, TWZ, Tauwharepare, TWGZ, OUZ, Omahuta, MWZ, Matawai, MKAZ, Mowmakai, URZ, Urewera, TOZ, Tahuroa Road, MUGZ, Murupara, SNGZ, Shannon Statio, SNGZ, RAHZ, Aarahi, MTHZ, Maungataniwha, MTHZ, Matea Rd, MRHZ, Naumai, ARHZ, Arapaoanui, BKZ, Black Stump Fm, MCHZ, McNeill Hill, KWHZ, Kaweka Forest, TWVZ, Taurewa, TWVZ, Tukino, FWVZ, Far West T-bar, BHHZ, Black Hill Sta, WHVZ, Whangaehu Hut, KAHZ, Kahurangi, KRHZ, Kereru, TRVZ, Turoa, MOVZ, Moawhango, PXZ, Pawanui, VRZ, Vekua, PNHZ, Pukenui, PRHZ, Porangahau, TSZ, Takapani Road, DVHZ, Dannevirke, PRWZ, Porirua Road, BFZ, Birch Farm, MRZ, Mangataniwha, ASAR, Alice Springs, WRA, Warramunga Arr, NKA3, Neumayer Olymp, VNA2, Neumayer-Watz, FINES, FINES Array B, DDA 16 23:57:51.6,39.04N,-25.84E,h24km,ML3.0, CSEM 16 23:57:52.9,0.1,39.02N,-25.93E,h5km,ML2.3,Error ellipse: s-maj=3.2km s-min=2.0km az=79.0, ATH 16 23:57:52.6,39.04N,-25.93E,h18km,ML2.3,Error ellipse: s-maj=2.4km s-min=1.0km az=305.0, THE 16 23:57:52.9,39.03N,-25.95E,h7km,ML2.2/5,Error ellipse: s-maj=1.2km s-min=0.5km az=329.0, ISC 16 23:57:52.6,39.01N,-25.96E,h6km,ML2.6/18, ISC 16 23:57:53.0,0.8,39.02N,0.01,25.94E,0.02,h12km,6km,n89,r071/133,Aegean Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like PRK, PRK, comp=E,1511um,0.4s, PRK, comp=N,1795um,0.4s, PRK, Paraskevi, PRK, Paraskevi, PRK, Psara, PSRA, PSRA, comp=N,943um,0.4s, PSRA, comp=E,947um,0.3s, PSRA, Psara, PSRA, PSRA, Chios island, CHOS, Chios island, CHOS, Chios island, CHOS, comp=N,494um,0.4s, CHOS, comp=E,654um,0.4s, CHOS, Chios island, CHOS, Chios island, CHOS, Chios island, CHOS, Ayvalik, AYVA, Ayvalik, AYVA, DKL, Dikili, DKL, Dikili, BOZC, Bozcaada, URLA, Izmir, URLA, Izmir, URLA, Izmir, URLA, Izmir, EZN, Ezine, EZN, Ezine, EZN, Ezine, CANAKKALE, Bayr, BAYC, CANAKKALE, Bayr, EFSA, Agios Efstrati, EFSA, Agios Efstrati, ZEY, Zeytinli, LIA, Limnos Island, LIA, Limnos Island, LIA, Limnos Island, BLCB, Balçova, BLCB, Balçova, GADA, Gvikeada, GADA, Gvikeada, GADA, Gvikeada, STEP, BALIKESIR, Sava, STEP, BALIKESIR, Sava, GELI, Tayfur-Gelibol, GELI, Tayfur-Gelibol, SMTH, Samothraki Isl, SMTH, Samothraki Isl, BALLY, Balya, BALLY, Balya, DALLY, Lapseki, LPK, Lapseki, SMG, Samos, SMG, Samos, comp=N,106um,0.5s, SMG, comp=E,164um,0.4s, SMG, Samos, SMG, Samos, BALB, Balıkesir, BALB, Balıkesir, GCAM, G?zelcam?, GCAM, G?zelcam?, ERİK, Eriki-Kesan, ERİK, Eriki-Kesan, ENEZ, Enez, ENEZ, Enez, KRKB, Karabiga-Canak, KRKB, Karabiga-Canak, ALN, Alexandroupoli, ALN, Alexandroupoli, ALN, Alexandroupoli, AYB, Zeytinli-Aydi, AYB, Zeytinli-Aydi, KESN, Edirne-Kesan, KESN, Edirne-Kesan, RKY, Sarkoy-Tekirda, RKY, Sarkoy-Tekirda, SART, Tekirdag, SART, Tekirdag, APE, Apeiranthos, APE, Apeiranthos, EDC, Edincik, EDC, Edincik, DURS, Dursunbey, DURS, Dursunbey, DURS, Dursunbey, DEMIR, Demirci, DEMIR, Demirci, KCTX, Karacabey (Bur, KCTX, Karacabey (Bur, TVSB, Tavsanli, TVSB, Tavsanli, AZER 17 00:05:02.6,1.0,41.58N,-46.48E,h6km,ml3.2, NSPP 17 00:05:04.4,41.53N,-46.52E,h8km,MS3.2, MOS 17 00:05:06.1,0.9,41.50N,-46.68E,h15km,mb4.0/1,Error ellipse: s-maj=6.8km s-min=4.1km az=98.6, CSEM 17 00:05:06.1,0.1,41.54N,-46.62E,h10km,mb4.0,Error ellipse: s-maj=3.4km s-min=3.0km az=73.0, ISC 17 00:05:06.1,0.41,54N,0.01,46.62E,0.01,h3km,9km,n123,r126/207,3AC-29D,Eastern Caucasus



17d 0h

Table with columns for station name, time, and various parameters. Includes stations like KMKR Kumukh, MNGR Mingchevir, AKT Akhty, GNBUR Gunib, GANJ Ganja, XNZR Khunzakh, QZAZ Qazax, ARKR Arakani, QBL Gabala, KSMR Kasumkent, BTLR Botlikh, UNCR Uncukul, BUJR Buynask, BRDA Brd, IML Ismayilli, DELISI Delisi, QUBA Quba, DVE Vedeno, DUBKI Dubki, ZRD Zardab, DUSHETI Dusheti, DLMR Dylm, MAK Makhachkala.

2012 MAY

Table with columns for station name, time, and various parameters. Includes stations like KDMR Kurdemir, PIRKULI Pirkuli, STEZ Stepenevan, GROG Groznyy, STE Stepanavan, SIYZ Siyaz, ATGJ Altighaj, GNI Garni, GNI Garni, GNI Garni, KMGR Komgaron, KMGR Komgaron, GBS Gobustan, LACR Lac, LACR Lac, LACR Hyderabad, SBZ Shahbuz, AKH Akhalkalaki, TSEY Tsey, ZEI Tsey, ZEI Tsey, ARDN Ardon, ARDN Ardon, ARDN Ardon, TABS TABSURUN-IGDIR, ALIB & Aumi/Ili-Bayra, EAK Akyaka, KORR Kora, KORR Kora, NAX Nakhchivan, NAX Nakhchivan, ONI Oni, ONI Oni, ONI Oni, DIGR Digorskoe uzhe, DIGR Digorskoe uzhe, ORD Ordubad, GLBA Cilabad, GLBA Cilabad, DIGO Kars, KARS Kars, EPOS Posof, LERK Lerik, LKRN Lenkeran, AZER Neytrino, NEY Neytrino, SENK Senkaya-Erzuru, HYBR Hanur-Agry, ASTR Astara, ASTR Astara, BORCK Borcka, KIV Kislovodsk, KIV Kislovodsk, SOC Sochi, SOC Sochi, ANN Anapa, ANN Anapa, ANN Anapa, ANN Anapa, OBN Obninsk, OBN Obninsk, KIEV Kiev, ARU Arti, ARU Arti, KURK Kurchatov, RAO Raoul Island, RAO Raoul Island, DZM Mont Dumac, STKA Stephens Creek, ASAR Alice Springs, WRAB Tennant Creek, WRA Warramunga Arr, NVAR Mina Array Bea, FINES FINESS Array B, NOA NORSTAR Array B, AKASA Malin Array Be, TORD Torodi Ar. Bea, NNC NNC, ISC ISC, DZET Dzerhino, DZET Dzerhino, SFK Sufi-Kurgan, SFK Sufi-Kurgan, AML Almayusha, MNAS Manas, MNAS Manas.

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Table with columns for station name, time, and various parameters. Includes stations like UCH Uchter, KZA Kyzart, KK31 Karayay Array, AAK Ala-Archa, AAK Ala-Archa, KBK Karagaybulak, ULHL Ulahol, TKM2 Tokmak 2, TKM2 Tokmak 2, AKMC Akamas, AKMC Akamas, AKMC Akamas, PPHY Paphos, PPHY Paphos, ALFC Alefka, ALFC Alefka, LEF Lefka, LEF Lefka, AKDN Akdeniz-K-br, AKDN Akdeniz-K-br, SZAC Souni, SZAC Souni, GAZI Gazipasa, GAZI Gazipasa, CSS Mathiatis, CSS Mathiatis, CSS Mathiatis, BOZY Bozayi-Mersin, BOZY Bozayi-Mersin, TEKE Tekeli-Mersin, TEKE Tekeli-Mersin, KEPEZ Antalya-Kepez, KEPEZ Antalya-Kepez, ERMK Ermenek, ERMK Ermenek, AKKU Akkuyu-Mersin, AKKU Akkuyu-Mersin, GULN MERSIN Gulnar, GULN MERSIN Gulnar, TEVE Tevekalti-Mers, TEVE Tevekalti-Mers, KORT Korkuelli, SILI Silifke-Mersin, SILI Silifke-Mersin, KIZK Mersin, KIZK Mersin, KIZK Mersin, KMER Konya-Merem, KMER Konya-Eregli, KERG Konya-Eregli, GULE Gulek, GULE Gulek, HLW HLW, MOS MOS, ATH ATH, NEIC NEIC, THE THE, ISC ISC, MESZ Methoni, MESZ Methoni, MESZ Methoni, PYL PYLOS, PYL PYLOS, PYL PYLOS, DYR Agios Nikonas, DYR Agios Nikonas, DYR Agios Nikonas, ITM Ithomi, ITM Ithomi, ITM Ithomi, ITM Ithomi, MES3 Kyparissia, MES3 Kyparissia, KYTH Kithira, KYTH Kithira.

KYTH	comp=E,12118µm,0.9s	AML	AML	00 48 24.6
KYTH	Kithira	1.10 87	P S	Pb 00 48 00.9 +0.4
KYTH	Kithira	1.10 87	S S	Sb 00 48 15.9 +1.3
KYTH	Kithira	1.10 87	S S	Pb 00 48 01.0 +0.4
VLJ	Veliiai	1.12 63	S S	Sb 00 48 14.5 +0.7
VLJ	Veliiai	1.12 63	S S	Pb 00 48 01.7 +0.8
VLJ	Veliiai	1.12 63	S S	Sb 00 48 14.4 -0.7
VLJ	comp=E,14159µm,0.8s	AML	AML	00 48 24.7
VLJ	comp=N,17433µm,0.6s	AML	AML	00 48 24.9
VLJ	Veliiai	1.12 63	P S	Pb 00 48 00.5 -0.4
VLJ	Veliiai	1.12 63	S S	Sb 00 48 15.8 +0.7
VLJ	Veliiai	1.12 63	S S	Pb 00 48 01.3 +0.4
MNVA	Monemvasia	1.18 67	P P	Sb 00 48 15.0 +0.7
MNVA	Monemvasia	1.18 67	P P	Pb 00 48 01.2 -0.1
VLX	Vlachokerasia	1.27 26	P S	Pb 00 48 01.4 -0.5
VLX	Vlachokerasia	1.27 26	P S	Sb 00 48 03.3 -0.2
VLX	comp=N,12934µm,0.6s	AML	AML	00 48 18.7 -0.4
VLX	comp=E,12491µm,0.5s	AML	AML	00 48 27.0
VLX	Vlachokerasia	1.27 26	P S	Pb 00 48 02.9 +0.2
VLX	Vlachokerasia	1.27 26	P S	Sb 00 48 01.9 +0.6
VLX	Vlachokerasia	1.27 26	P S	Pb 00 48 03.4 -0.2
VLX	Vlachokerasia	1.27 26	P S	Sb 00 48 20.1 +0.6
AMT	Artemida-Makis	1.31 1	P P	Pb 00 48 03.9 -0.2
AMT	Artemida-Makis	1.31 1	P P	Sb 00 48 35.0
AMT	comp=N,12864µm,0.5s	AML	AML	00 48 35.9
AMT	Artemida-Makis	1.31 1	P S	Pb 00 48 03.8 -0.2
AMT	Artemida-Makis	1.31 1	P S	Sb 00 48 22.1 +1.7
AMT	Artemida-Makis	1.31 1	P S	Pb 00 48 03.9 +0.2
AMT	Artemida-Makis	1.31 1	P S	Sb 00 48 22.7 +1.7
ANKY	Antikythira Is	1.35 105	P AML	Pb 00 48 06.7 +1.9
ANKY	Antikythira Is	1.35 105	P AML	Sb 00 48 30.1
ANKY	comp=E,7708µm,0.6s	AML	AML	00 48 36.9
ANKY	comp=N,6138µm,0.6s	AML	AML	00 48 05.8 +1.0
ANKY	Antikythira Is	1.35 105	P S	Pb 00 48 25.1 +3.4
ANKY	Antikythira Is	1.35 105	P S	Sb 00 48 05.0 +0.2
ANKY	Antikythira Is	1.35 105	P S	Pb 00 48 25.1 +3.4
ANKY	Antikythira Is	1.35 105	P S	Sb 00 48 05.3 +0.4
TRIP	Tripoli	1.38 20	P S	Pb 00 48 24.2 +1.5
TRIP	Tripoli	1.38 20	P S	Sb 00 48 05.3 -0.1
TRIP	Tripoli	1.38 20	P S	Pb 00 48 24.2 +1.5
TRIP	Tripoli	1.38 20	P S	Sb 00 48 09.6 -0.3
KRND	KRANIDI	1.65 45	P AML	Pb 00 48 45.5
KRND	KRANIDI	1.65 45	P AML	Sb 00 48 47.3
KRND	comp=E,6329µm,0.7s	AML	AML	00 48 09.0 -0.8
KRND	KRANIDI	1.65 45	P S	Pb 00 48 30.8 +0.6
KRND	KRANIDI	1.65 45	P S	Sb 00 48 09.0 -0.8
KRND	KRANIDI	1.65 45	P S	Pb 00 48 30.8 +0.6
KRND	KRANIDI	1.65 45	P S	Sb 00 48 10.9 -0.2
DRO	Drossia	1.73 1	P AML	Pb 00 48 48.3
DRO	Drossia	1.73 1	P AML	Sb 00 48 53.1
DRO	comp=N,6819µm,0.5s	AML	AML	00 48 53.1
DRO	Drossia	1.73 1	P S	Pb 00 48 10.1 -1.1
DRO	Drossia	1.73 1	P S	Sb 00 48 33.0 +0.5
DRO	Drossia	1.73 1	P S	Pb 00 48 11.0 +0.2
DRO	Drossia	1.73 1	P S	Sb 00 48 33.0 +0.5
VTN	Vitineika	1.74 347	P P	Pb 00 48 11.7 +0.3
VTN	Vitineika	1.74 347	P P	Sb 00 48 11.6 +0.2
DID	Didima	1.79 44	P AML	Pb 00 48 11.3 -0.9
DID	Didima	1.79 44	P AML	Sb 00 48 42.5
DID	comp=N,5414µm,1.1s	AML	AML	00 48 44.7
DID	Didima	1.79 44	P S	Pb 00 48 10.9 -1.3
DID	Didima	1.79 44	P S	Sb 00 48 10.9 -1.3
DID	Didima	1.79 44	P S	Pb 00 48 34.2 0.0
DID	Didima	1.79 44	P S	Sb 00 48 13.3 +1.0
GUR	Goura	1.79 17	P AML	Pb 00 48 52.4
GUR	Goura	1.79 17	P AML	Sb 00 48 53.5
GUR	comp=N,7348µm,0.6s	AML	AML	00 48 11.0 -1.3
GUR	Goura	1.79 17	P P	Pb 00 48 11.0 -1.3
GUR	Goura	1.79 17	P P	Sb 00 48 12.7 0.0
YDRA	Hydra	1.82 51	P P	Pb 00 48 12.7 0.0
YDRA	Hydra	1.82 51	P P	Sb 00 48 12.7 0.0
RLS	Riolos of Patr	1.84 355	P P	Pb 00 48 13.4 +0.3
RLS	Riolos of Patr	1.84 355	P P	Sb 00 49 01.6
RLS	comp=N,2138µm,1.3s	AML	AML	00 49 04.8
RLS	Riolos of Patr	1.84 355	P S	Pb 00 48 12.5 -0.6
RLS	Riolos of Patr	1.84 355	P S	Sb 00 48 36.6 +0.9
RLS	Riolos of Patr	1.84 355	P S	Pb 00 48 12.5 -0.6
RLS	Riolos of Patr	1.84 355	P S	Sb 00 48 36.6 +0.9
KL	Kalavyryta, Ach	1.85 11	P AML	Pb 00 48 13.0 +0.2
KL	Kalavyryta, Ach	1.85 11	P AML	Sb 00 48 55.8
KL	comp=N,2402µm,1.4s	AML	AML	00 48 59.0
KL	Kalavyryta, Ach	1.85 11	P P	Pb 00 48 12.3 -1.1
KL	Kalavyryta, Ach	1.85 11	P P	Sb 00 48 12.3 -1.1
THAL	Thalero	1.97 23	P P	Pb 00 48 15.3 0.0
THAL	Thalero	1.97 23	P P	Sb 00 48 13.7 -1.7
THAL	Thalero	1.97 23	P P	Pb 00 48 13.7 -1.7
THAL	Thalero	1.97 23	P P	Sb 00 48 13.7 -1.7
IMMV	Iera Moni Meta	2.01 112	P S	Pb 00 48 14.5 -1.5
IMMV	Iera Moni Meta	2.01 112	P S	Sb 00 48 14.3 -1.7
IMMV	Iera Moni Meta	2.01 112	P S	Pb 00 48 14.3 -1.7
IMMV	Iera Moni Meta	2.01 112	P S	Sb 00 48 16.9 +0.6
IMMV	Iera Moni Meta	2.01 112	P S	Pb 00 48 14.3 -1.7
IMMV	Iera Moni Meta	2.01 112	P S	Sb 00 48 16.9 +0.6
ANFL	Anninata	2.02 339	P P	Pb 00 48 15.2 -1.0
ANFL	Anninata	2.02 339	P P	Sb 00 48 17.1 -1.5
LAKA	Lakka	2.03 6	P AML	Pb 00 48 16.9 +0.6
LAKA	Lakka	2.03 6	P AML	Sb 00 49 00.3
LAKA	comp=N,1812µm,0.7s	AML	AML	00 49 00.4
LAKA	Lakka	2.03 6	P S	Pb 00 48 14.8 -1.5
LAKA	Lakka	2.03 6	P S	Sb 00 48 40.4 -0.7
LAKA	Lakka	2.03 6	P S	Pb 00 48 14.8 -1.5
LAKA	Lakka	2.03 6	P S	Sb 00 48 40.4 -0.7
LTK	Loutraki	2.07 29	P P	Pb 00 48 15.4 -1.6
LTK	Loutraki	2.07 29	P P	Sb 00 48 17.7 +1.6
LTK	Loutraki	2.07 29	P P	Pb 00 48 15.0 +1.5
LTK	Loutraki	2.07 29	P P	Sb 00 48 15.0 +1.5
VLS	Valsamata	2.14 336	P P	Pb 00 48 14.8 +0.3
VLS	Valsamata	2.14 336	P P	Sb 00 48 16.1 +1.7
TRIZ	Trizonia	2.16 8	P P	Pb 00 48 17.8 -0.8
TRIZ	Trizonia	2.16 8	P P	Sb 00 48 17.1 -1.5
TRIZ	Trizonia	2.16 8	P P	Pb 00 48 17.1 -1.5
TRIZ	Trizonia	2.16 8	P P	Sb 00 48 19.1 -0.1
KALE	Kalitheia	2.19 9	P AML	Pb 00 49 00.5
KALE	Kalitheia	2.19 9	P AML	Sb 00 49 05.3
KALE	comp=N,3208µm,0.7s	AML	AML	00 48 17.2 -2.0
KALE	Kalitheia	2.19 9	P P	Pb 00 48 17.2 -2.0
KALE	Kalitheia	2.19 9	P P	Sb 00 48 17.2 -2.0
VAM	Vamos	2.20 111	P P	Pb 00 48 17.1 -1.5
VAM	Vamos	2.20 111	P P	Sb 00 48 17.1 -1.5
VAM	Vamos	2.20 111	P P	Pb 00 48 17.0 +1.8
VAM	Vamos	2.20 111	P P	Sb 00 48 19.5 +0.1
EFP	Efpalio	2.21 4	P P	Pb 00 48 17.9 -1.5
EFP	Efpalio	2.21 4	P P	Sb 00 48 17.9 -1.5
EFP	Efpalio	2.21 4	P P	Pb 00 48 17.9 -1.5
EFP	Efpalio	2.21 4	P P	Sb 00 48 17.9 -1.5
MHLO	Agia Marina, M	2.24 77	P P	Pb 00 48 16.9 +1.1
MHLO	Agia Marina, M	2.24 77	P P	Sb 00 48 17.1 +1.2
MHLO	Agia Marina, M	2.24 77	P P	Pb 00 48 17.0 +1.2
MHLO	Agia Marina, M	2.24 77	P P	Sb 00 48 16.3 +0.4
PROD	Prodromos	2.25 25	P P	Pb 00 48 17.3 +1.3
PROD	Prodromos	2.25 25	P P	Sb 00 48 17.3 +1.3
PROD	Prodromos	2.25 25	P P	Pb 00 48 17.3 +1.3
PROD	Prodromos	2.25 25	P P	Sb 00 48 17.7 +1.6
MHLA	Plaka, Milos I	2.27 76	P P	Pb 00 48 17.8 +0.8
MHLA	Plaka, Milos I	2.27 76	P P	Sb 00 48 17.8 +0.8
DSF	Desfina	2.29 17	P P	Pb 00 48 17.1 +0.6
DSF	Desfina	2.29 17	P P	Sb 00 48 17.4 +0.9
DSF	Desfina	2.29 17	P P	Pb 00 48 17.1 +0.6
DSF	Desfina	2.29 17	P P	Sb 00 48 17.8 +0.7
VILL	Villia	2.33 33	P P	Pb 00 48 17.8 +0.7
VILL	Villia	2.33 33	P P	Sb 00 48 17.8 +0.7
VLY	Voula, Athens	2.34 45	P P	Pb 00 48 18.3 +1.1
VLY	Voula, Athens	2.34 45	P P	Sb 00 48 18.4 +1.2
VLY	Voula, Athens	2.34 45	P P	Pb 00 48 18.4 +1.2
VLY	Voula, Athens	2.34 45	P P	Sb 00 48 18.6 +1.4
VL2	Platees	2.35 32	P P	Pb 00 48 16.9 -0.5
VL2	Platees	2.35 32	P P	Sb 00 48 19.0 +1.3
ATH	Athens Observa	2.38 42	P P	Pb 00 48 19.0 +1.3

ATH	Athens Observa	2.38 42	P P	Pn 00 48 19.3 +1.5
PVO	Paravola	2.39 357	P P	Pb 00 48 22.4 -0.1
PVO	Paravola	2.39 357	P P	Sb 00 48 20.0 +2.1
PVO	Paravola	2.39 357	P P	Pb 00 48 20.0 +2.1
PVO	Paravola	2.39 357	P P	Sb 00 48 22.5 -0.3
PDO	Prodromos	2.41 351	P P	Pb 00 48 19.1 +1.7
PDO	Prodromos	2.41 351	P P	Sb 00 48 19.8 +1.7
ATHU	Athens Unvers	2.42 43	P P	Pb 00 48 19.4 +1.1
ATHU	Athens Unvers	2.42 43	P P	Sb 00 48 19.4 +1.1
ATHU	Athens Unvers	2.42 43	P P	Pb 00 48 19.7 +1.5
SERI	Serifos	2.44 67	S S	Pb 00 48 18.3 -0.2
SERI	Serifos	2.44 67	S S	Sb 00 48 19.1 +1.2
SERI	comp=E,1079µm,0.8s	AML	AML	00 49 10.7
SERI	comp=N,1346µm,1.0s	AML	AML	00 48 19.3 +0.8
SERI	Serifos	2.44 67	P S	Pb 00 48 48.8 +1.2
PTL	Penteli	2.52 43	P P	Pb 00 48 20.9 +1.2
PTL	Penteli	2.52 43	P P	Sb 00 48 20.8 +1.1
PTL	Penteli	2.52 43	P P	Pb 00 48 21.2 +1.5
PTL	Penteli	2.52 43	P P	Sb 00 48 25.3 +0.4
DION	Dionisios Attik	2.58 43	P P	Pb 00 48 20.9 +0.4
DION	Dion	2.58 43	P P	Sb 00 49 01.2
DION	comp=N,2445µm,1.4s	AML	AML	00 49 11.3
DION	Dionisios Attik	2.58 43	P P	Pb 00 48 21.6 +1.1
LKR	Lokris	2.64 23	P P	Pb 00 48 22.4 +1.2
LKR	Lokris	2.64 23	P P	Sb 00 48 22.8 +1.5
LKR	Lokris	2.64 23	P P	Pb 00 48 22.8 +1.5
LKR	Lokris	2.64 23	P P	Sb 00 48 23.8 +1.5
AXAR	Agios Charalam	2.66 17	P P	Pb 00 48 23.6 +2.1
AXAR	Agios Charalam	2.66 17	P P	Sb 00 48 23.6 +2.1
EVR	Evyrtania	2.69 2	P P	Pb 00 48 27.0 -0.6
EVR	Evyrtania	2.69 2	P P	Sb 00 48 25.8 -1.9
AN	Anoyia	2.77 109	P P	Pb 00 48 24.7 +1.6
AN	comp=E,8.5nm,0.3s,baz=292,slow=14,SNR=54	AML	AML	00 48 24.7 +1.6
IDI	Anoyia	2.77 109	P P	Sb 00 49 00.2 -2.2
IDI	Anoyia	2.77 109	P P	Pb 00 48 34.7 +5.8
IDI	Anoyia	2.77 109	P P	Sb 00 49 01.0 +1.0
IDI	Anoyia	2.77 109	P P	Pb 00 48 00.2 -2.2
IDI	Anoyia	2.77 109	P P	Sb 00 48 24.1 +1.0
IDI	Anoyia	2.77 109	P P	Pb 00 49 00.2 -2.2
SIVA	Sivas	2.81 114	P P	Pb 00 48 25.9 +2.2
SIVA	Sivas	2.81 114	P P	Sb 00 48 26.2 +2.5
EREA	Erertra	2.83 39	P P	Pb 00 48 25.7 +1.7
EREA	Erertra	2.83 39	P P	Sb 00 48 25.8 +1.9
AGG	Agios Georgios	2.84 10	P P	Pb 00 48 26.9 +2.8
AGG	Agios Georgios	2.84 10	P P	Sb 00 48 26.4 +2.3
AGG	Agios Georgios	2.84 10	P P	Pb 00 48 26.1 +2.0
AGG	Agios Georgios	2.84 10	P P	Sb 00 48 26.1 +2.0
AGG	Agios Georgios	2.84 10	P P	Pb 00 48 26.4 +2.3
AGG	Agios Georgios	2.84 10	P P	Sb 00 48 26.1 +2.0
KARY	Karystos	2.84 50	P P	Pb 00 48 24.1 -0.1
KARY	Karystos	2.84 50	P P	Sb 00 48 25.0 +0.9
IOSP	Ios island	2.95 79	P P	Pb 00 48 25.4 -0.1
IOSP	Ios island	2.95 79	P P	Sb 00 49 27.2
IOSP	comp=N,1268µm,0.9s	AML	AML	00 49 33.2
IOSP	Ios island	2.95 79	P P	Pb 00 48 26.5 +1.0
SANT	Santorini	3.05 86	P P	Pb 00 48 25.1 +1.3
SANT	Santorini	3.05 86	P P	Sb 00 48 27.1 +0.1
SANT	Santorini	3.05 86	P P	Pb 00 48 27.1 +0.1
SANT	Santorini	3.05 86	P P	Sb 00 48 27.6 +0.6
SANT	Santorini	3.05 86	P P	Pb 00 48 27.6 +0.6
SANT	Santorini	3		

Table with columns: Call sign, Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like ZEI Tsey, GNI Garni, TBGL Delisi, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like MK31 Makanchi Array, MK01 Makanchi Array, ZALV Zalesovo Beam, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like TRMF Trois Ilets, ZAM Aeronautique, LPMF Morne LaPointe, etc.

ISC/JB 17-00-52:19.1-0.3, 10.74N-0.02-62.67W, 0.02, h95km, 2km, mb4.3/56, Error ellipse: s-maj=3.4km s-min=2.8km

TRN 17-00-52:20.2, 10.65N-62.62W, h82km, MD4.3 TRN Feit in parts of Northern Trinidad, MML II. IDC 17-00-52:21.6, 0.0, 10.78N-62.80W, h104km, 5km, mb4.1/29, mb1.4/232, mb1mx4.1/47, mbtmp4.4/32, MS2.9/4, MS1 2.9/4, ms1mx2.6/44, Error ellipse: s-maj=11.3km s-min=7.1km az=148.0

NEIC 17-00-52:17.0, 0.0, 10.63N-62.58W, h79km, mb4.5/19, MD4.3(TRN), MW4.4(CAR), After CAR. NEIC Feit at Mucurapo and Port of Spain, Trinidad. ISC 17-00-52:20.1-0.4, 10.65N-0.03-62.70W, 0.03, h95km, 4km, n430, e155/488, mb4.5/60, 7C-26D, Near coast of Venezuela

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

Table with columns: Call sign, Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like PTGA Pitinga, PTGA Pitinga, PTGA Pitinga, etc.

N54A	Moraine State	33.83 336	P	P	00 58 54.2 +0.9	R38A	Fenwick Farm,	39.15 320	P	P	00 59 37.9 -0.6	D35A	Remer	44.95 330	P	P	01 00 24.8 -0.9
T48A	Bowling Green	33.92 325	P	P	00 58 55.0 +0.9	L42A	Oliver, Polo	39.16 328	P	P	00 59 39.0 +0.4	F33A	5 Mile Ranch,	45.28 327	P	P	01 00 27.6 -0.6
U47A	Clarksville	33.97 323	P	P	00 58 55.3 +0.8	P39B	Sallaryville	39.23 322	P	P	00 59 39.5 +0.3	C35A	Jiri Farms, M	45.34 330	P	P	01 00 27.9 -0.8
OXF	Oxford	34.04 318	P	P	00 58 55.5 +0.3	Q38A	Cooks Store, C	39.43 321	P	P	00 59 41.1 +0.2	D34A	Park Rapids	45.53 329	P	P	01 00 29.5 -0.7
WVT	Waverly	34.08 322	P	P	00 58 56.4 +0.8	N40A	Merlquake, Sal	39.44 325	P	P	00 59 41.1 +0.2	E33A	Westby DABS, E	45.56 328	P	P	01 00 29.6 -0.9
S48A	Wiedeman Farm,	34.12 326	P	P	00 58 57.4 +1.5	J43A	Natural Harves	39.53 330	P	P	00 59 41.7 +0.1	B35A	Bob, Littlefor	45.69 331	P	P	01 00 30.5 -0.9
M54A	Oil Creek Stat	34.17 337	P	P	00 58 57.5 +1.3	K42A	Prairie Point,	39.55 329	P	P	00 59 41.9 +0.1	C34A	FKU Ranch, Bem	45.77 330	P	P	01 00 31.3 -0.8
T47A	Sharon Grove	34.24 324	P	P	00 58 57.7 +0.8	L41A	Preston	39.65 327	P	P	00 59 42.6 -0.1	T25A	Trinidad	45.84 312	P	P	01 00 32.7 -0.3
342A	Flagon Creek P	34.31 311	P	P	00 58 58.5 +1.0	JCT	Junction City	39.70 305	P	P	00 59 43.1 -0.2	B34A	Aery, Baudette	46.22 331	P	P	01 00 34.7 -0.8
ACSO	Alum Creek Sta	34.52 332	P	P	00 59 00.7 +1.5	JCT	Junction City	39.70 305 eP	P	P	00 59 43.4 0.0	ANMO	Albuquerque	46.54 308	P	P	01 00 38.9 +0.3
T46A	Princeton	34.73 323	P	P	00 59 02.2 +1.1	I43A	Langenfeld Bro	39.77 331	P	P	00 59 44.0 +0.4	ANMO	Albuquerque	46.54 308 eP	P	P	01 00 39.6 +1.0
U45A	Rockin P Farm,	34.80 322	P	P	00 59 02.3 +0.6	J42A	Columbus	39.83 330	P	P	00 59 44.4 +0.2	AGMN	Agassiz Nation	46.68 330 eP	P	P	01 00 38.3 -0.9
R47A	Wooly Knot Far	34.83 326	P	P	00 59 02.6 +0.6	N39A	Derby Farms, D	39.96 324	P	P	00 59 44.9 -0.4	121A	Cookes Peak, D	46.80 305	P	P	01 00 41.4 +0.7
341A	Kurthwood	34.92 311	P	P	00 59 03.1 +0.2	F45A	CMU Biological	40.00 335	P	P	00 59 46.3 +0.8	SDCO	Great Sand Dun	46.87 312	P	P	01 00 41.0 -0.3
241A	Mo Tay, Goldon	35.08 312	P	P	00 59 04.3 +0.1	H43A	Windsweep, Lux	40.04 332	P	P	00 59 46.6 +0.7	SDCO	Great Sand Dun	46.87 312 eP	P	P	01 00 41.5 +0.2
R45A	Skylar, Fairri	35.81 324	P	P	00 59 10.7 +0.3	JFWS	Jewell Farm	40.11 328	P	P	00 59 46.7 +0.2	LAZ	Ladron	46.88 308 eP	P	P	01 00 42.4 +1.1
Y41A	Eaglette Beard	35.84 315	P	P	00 59 10.7 +0.1	I42A	Draeger Farm,	40.15 330	P	P	00 59 47.1 +0.4	A33A	Warroad	46.88 331	P	P	01 00 40.0 -0.8
S44A	Carbondale	35.98 323	P	P	00 59 12.0 +0.2	I42A	Draeger Farm,	40.15 330 eP	P	P	00 59 47.3 +0.6	C31A	Landman Farms,	47.29 328	P	P	01 00 43.5 -0.5
X41A	Kaden, Bauxite	36.11 316	P	P	00 59 13.3 +0.4	P37A	Lathrop	40.26 321	P	P	00 59 47.0 -0.7	ISCO	Idaho Springs	47.81 315	P	P	01 00 47.9 -0.5
V42A	Cord	36.12 319	P	P	00 59 13.8 +0.8	J41A	Loganville	40.31 329	P	P	00 59 48.0 -0.1	ISCO	Idaho Springs	47.81 315 eP	P	P	01 00 48.4 -0.1
Q45A	Warren Harvey,	36.16 325	P	P	00 59 13.8 +0.4	N38A	Joe South For	40.34 323	P	P	00 59 48.3 -0.1	S22A	4UR Ranch, Cre	47.84 312	P	P	01 00 48.4 -0.3
T43A	Greenville	36.20 321	P	P	00 59 13.7 -0.1	ABTX	Abilene, Hawle	40.41 309	P	P	00 59 48.9 -0.2	S22A	4UR Ranch, Cre	47.84 312 eP	P	P	01 00 49.4 +0.6
R44A	Waltoville	36.24 324	P	P	00 59 14.9 +0.9	ABTX	Abilene, Hawle	40.41 309 eP	P	P	00 59 49.4 +0.3	ULM	Lac du Bonnet	48.02 332	P	P	01 00 48.4 -1.1
W41B	Gary Mavity, V	36.31 317	P	P	00 59 14.8 +0.1	K40A	Colesburg	40.43 327	P	P	00 59 49.2 +0.1	MDND	Madcock	48.31 327	P	P	01 00 51.6 -0.2
X40A	Basin Creek Fa	36.32 316	P	P	00 59 14.9 +0.1	L39A	Vinton	40.50 326	P	P	00 59 49.7 0.0	SMCO	Snodgrass	48.51 314 eP	P	P	01 00 54.1 +0.1
U42A	Revenden	36.35 319	P	P	00 59 15.0 0.0	G43A	Wallace	40.60 333	P	P	00 59 50.4 -0.1	WUAZ	Wupatki	50.53 307	P	P	01 01 09.3 +0.2
P45A	Graceland, Par	36.38 326	P	P	00 59 15.8 +0.6	WMOK	Wichita Mounta	40.68 312	P	P	00 59 50.4 -0.8	214A	Organ Pipe Nat	50.77 303	P	P	01 01 10.8 0.0
S43A	Fulton Ridge,	36.39 322	P	P	00 59 15.2 -0.1	WMOK	Wichita Mounta	40.68 312 eP	P	P	00 59 50.5 -0.8	P18A	Preston Nutter	51.02 313 eP	P	P	01 01 13.4 +0.5
AAM	Ann Arbor	36.48 333	P	P	00 59 16.7 +0.7	J40A	Soldiers Grove	40.71 328	P	P	00 59 51.3 0.0	SRU	San Rafael Swe	51.04 312 eP	P	P	01 01 13.7 +0.7
V41A	Mountainview	36.60 318	P	P	00 59 17.2 0.0	M38A	Pleasantville	40.71 324	P	P	00 59 51.2 -0.2	DGMT	Dagmar	51.17 326	P	P	01 01 14.1 +0.6
Q44A	Meyer Farm, Va	36.65 325	P	P	00 59 17.5 0.0	I41A	Arkdale	40.74 330	P	P	00 59 51.8 +0.1	DGMT	Dagmar	51.17 326 eP	P	P	01 01 14.5 +0.9
T42A	Van Buren	36.67 320	P	P	00 59 17.4 -0.3	F43A	Flat Rock, Esc	40.82 334	P	P	00 59 52.5 +0.3	PLCA	Paso Flores	51.63 188	P	P	01 01 18.5 +1.4
U41A	Viola	36.78 319	P	P	00 59 18.8 +0.2	K39A	Olwein	40.83 327	P	P	00 59 52.3 -0.2	BW06	Boulder Array	51.75 317	P	P	01 01 17.4 -0.8
P44A	Sand Creek, Wi	36.82 326	P	P	00 59 19.5 +0.5	G42A	Mountain	40.93 332	P	P	00 59 53.4 +0.3	BW06	Boulder Array	51.75 317 eP	P	P	01 01 17.4 -0.8
N46A	Monticello	36.84 329	P	P	00 59 19.7 +0.6	I40A	Norwalk	40.99 329	P	P	00 59 53.8 0.0	PDAR	Pinedale Array	51.75 317 P	P	P	01 01 17.6 -0.7
MIAR	Mount Ida	36.87 315	P	P	00 59 19.8 +0.1	H41A	Junction City	41.04 330	P	P	00 59 54.1 0.0	MTPU	Mount Pierson	51.91 310 eP	P	P	01 01 20.8 +1.1
W40A	Ferguson Farm,	36.88 316	P	P	00 59 19.8 +0.2	H41A	Junction City	41.04 330 eP	P	P	00 59 54.5 +0.4	RLMT	Red Lodge	52.55 320	P	P	01 01 23.7 -0.4
S42A	Caledonia	36.95 322	P	P	00 59 19.9 -0.2	J39A	Decorah	41.17 327	P	P	00 59 54.9 -0.3	GLA	Glamis	52.67 304	P	P	01 01 24.9 0.0
V40A	Whits Springs	37.06 317	P	P	00 59 21.2 +0.2	E43A	Lone Tree Farm	41.17 334	P	P	00 59 55.6 +0.5	DUG	Dugway Tooele	53.07 313	P	P	01 01 27.7 -0.2
V40A	Whits Springs	37.06 317 eP	P	P	00 59 21.6 +0.5	K38A	Parkersburg	41.28 326	P	P	00 59 56.3 +0.3	DUG	Dugway Tooele	53.07 313 eP	P	P	01 01 28.2 +0.3
T41A	Mountain View	37.10 320	P	P	00 59 21.4 0.0	H40A	Chili	41.41 330	P	P	00 59 57.2 +0.1	BGU	Big Grassy Mout	53.47 313 eP	P	P	01 01 30.8 0.0
CPUP	Villa Florida	37.12 172	P	P	00 59 22.4 +0.8	I39A	Houston	41.43 328	P	P	00 59 57.2 -0.1	FCC	Fort Churchill	53.56 340 eP	P	P	01 01 29.3 -1.6
CPUP	1.2nm, 0.6s, baz=302, slow=4.1, SNR=5.8	37.21 328	P	PcP	01 01 40.6 +0.4	J38A	Wedel Dairy, R	41.57 327	P	P	00 59 58.3 -0.2	GMRC	Granite Mounta	53.73 305	P	P	01 01 33.2 +0.3
N45A	Kentland	37.21 328	P	P	00 59 22.9 +0.7	F41A	Champion	41.61 334	P	P	00 59 59.3 +0.5	BOZ	Bozeman (W)	54.26 319	P	P	01 01 37.1 +0.5
O44A	Mansfield	37.21 327	P	P	00 59 23.1 +0.8	E42A	Three Lakes	41.62 332	P	P	00 59 59.0 +0.2	BNV	Topopah Spring	54.71 308	P	P	01 01 40.2 +0.2
R42A	Luebbering	37.28 322	P	P	00 59 23.1 +0.2	G40A	Rib Lake	41.78 331	P	P	01 00 00.1 -0.1	MURC	Murrieta	54.72 304	P	P	01 01 39.3 -0.7
W39A	Magazine	37.37 316	P	P	00 59 24.3 +0.7	H39A	Augusta	41.89 329	P	P	01 00 01.0 0.0	HLID	Halil	55.34 316	P	P	01 01 44.4 +0.1
W39A	Magazine	37.37 316 eP	P	P	00 59 24.6 +1.0	I38A	Scanlan Farm,	41.98 328	P	P	01 00 01.7 -0.1	NVAR	Mina Array Bea	56.65 309	P	P	01 01 53.9 0.0
U40A	Yellville	37.40 318	P	P	00 59 24.0 +0.1	E41A	Kenton	42.10 333	P	P	01 00 02.9 +0.1	NVAR	0.3nm, 0.5s, baz=107, slow=6.7, SNR=5.5	56.65 309 P	P	P	01 02 19.2 +1.8
CCM	Cathedral Cave	37.41 322	P	P	00 59 24.3 +0.4	J37A	Redenius Farm,	42.15 326	P	P	01 00 03.3 +0.2	NVAR	0.3nm, 0.5s, baz=106, slow=3.2, SNR=2.9	56.65 309 P	P	P	01 02 48.9 -0.3
S41A	Jillico Farms,	37.42 321	P	P	00 59 24.2 +0.1	F40A	Park Falls	42.22 331	P	P	01 00 03.8 +0.1	DBIC	Dimbokro	57.25 89	P	P	01 01 59.1 +0.9
P43A	Skaggs, Pawnee	37.44 325	P	P	00 59 24.5 +0.3	G39A	Holcombe	42.27 330	P	P	01 00 04.2 0.0	KOWA	Kowa	57.27 80	P	P	01 01 59.5 +1.1
M45A	Boilermakers S	37.47 329	P	P	00 59 25.3 +0.8	D41A	Chassel	42.38 334	P	P	01 00 05.4 +0.4	ESDC	Sonsea Array	59.30 50	P	P	01 02 13.2 +1.0
N44A	Piper City	37.49 328	P	P	00 59 25.4 +0.7	H38A	Maiden Rock	42.40 329	P	P	01 00 04.8 -0.4	ESDC	0.5nm, 0.6s, baz=273, slow=7.1, SNR=13	59.30 50 P	P	P	01 02 38.6 +2.8
V39A	Pettigrew	37.63 317	P	P	00 59 26.3 +0.3	X43A	Lajitas Array	42.48 302	P	P	01 00 06.8 +0.6	ESDC	0.1nm, 0.3s, baz=268, slow=5.2, SNR=4.5	59.30 50 P	P	P	01 02 59.9 +0.5
R41A	Rosebud	37.64 322	P	P	00 59 25.7 -0.2	TXAR	0.8nm, 0.5s, baz=113, slow=9.2, SNR=4.1	42.48 302 P	P	P	01 00 06.8 +0.6	BORG	Borgarnes	61.16 19	P	P	01 02 25.2 +0.9
O43A	Sugar Creek Fa	37.77 326	P	P	00 59 27.1 +0.2	TXAR	0.6nm, 0.4s, baz=117, slow=5.6, SNR=12	42.48 302 eP	P	P	01 00 31.1 +2.6	CLGH	Cloghs, Cushen	62.52 33j	P	Iamb	01 02 34.3 +0.7
U39A	Green Forest	37.82 318	P	P	00 59 27.6 0.0	TXAR	0.8nm, 0.7s, baz=118, slow=7.7, SNR=4.1	42.51 332 P	P	P	01 00 57.3 -0.2	CLGH	comp=Z, 1.0nm, 0.7s	62.52 33j eP	Iamb	Iamb	01 02 35.3
P42A	Winchester	37.87 324	P	P	00 59 28.0 +0.2	TX31	Wakefield	42.51 332 eP	P	P	01 00 06.9 +0.2	TORD	Tordi Ar, Bea	62.91 81	P	P	01 02 37.5 +0.6
M44A	Midewin, Midew	37.88 328	P	P	00 59 28.5 +0.6	E40A	Wakefield	42.51 332 eP	P	P	01 00 06.3 +0.2	WPMI	Penmaenmwr	63.08 35j	eP	P	01 02 37.9 +0.6
S40A	Lebanon	37.91 320	P	P	00 59 28.1 -0.1	I37A	Lemond, Waseca	42.53 327	P	P	01 01 57.3 -0.2	LLW	Llanuwchllyn	63.08 36j	eP	P	01 02 38.7 +0.4
Q41A	Truxton	37.97 323	P	P	00 59 28.7 0.0	F39A	Lorita	42.60 331	P	P	01 00 06.9 +0.1	GALL	Gallway	63.19 33j	eP	P	01 02 38.5 +0.5
435B	Jarrell	38.06 307	P	P	00 59 29.9 +0.3	H37A	Dierke Farm, C	42.66 328	P	P	01 00 06.3 0.0	MCHI	Michaelchurh	63.20 37j	eP	Iamb	01 02 38.5 +0.4
HHAR	Hobbs	38.07 317 eP	P	P	00 59 30.1 +0.5	E39A	Mellen	42.77 332	P	P	01 00 08.4 +0.3	MCHI	comp=Z, 2.5nm, 1.0s	63.20 37j eP	Iamb	Iamb	01 02 38.5 +0.4
T39A	Clever	38.13 319	P	P	00 59 30.1 +0.1	AMTX	Amarillo	42.89 311	P	P	01 00 09.1 -0.4	MONM	Monmouth	63.26 37	eP	P	

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

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

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

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like IDC 17 01:50:35.6, DZM, WRA, ASAR, etc.

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

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

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

ISCJB 17 02:24:47.0... Error ellipse: s-maj=10.8km, s-min=3.1km az=165.2

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

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like H1N2, H1N3, H1N4, etc.

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

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

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

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Vista Hermosa, Platanillo, Tehuacan, Yatepec, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Leoncito, Zonda, Salagasta, CERRRO ARCO, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BUI, General Santos, Kidapawan, etc.

GUC 17 02:34:13.70.6.31.79S:70.12W, h142km,5km, ML4.2
SJA 17 02:34:13.70.6.31.79S:69.91W, h115km,0km, ML4.0,
MW4.0, Fault plane solution: NP1i,353.80000,
645.30000, 116.90000.
ISCJB 17 02:34:14.10.2.31.79S:0.02:69.62W:0.05, h112km,2km,
mb4.2/18, Error ellipse: s-maj=6.4km s-min=3.6km
az=179.8
NEIC 17 02:34:14.10.4.31.78S:69.53W, h97km,5km, mb4.4/14,
MD4.0(SJA), Error ellipse: s-maj=10.0km s-min=5.1km
az=88.0
NEIC Felt III at Mendoza and San Juan.
IDC 17 02:34:15.70.7.31.82S:69.52W, h112km,5km, mb3.6/6,
mb1.3/7/10, mb1.1mx3.5/8, mbtmp3.9/10, Error ellipse:
s-maj=24.1km s-min=18.7km az=76.0
ISC 17 02:34:14.9.0.5.31.78S:0.03:69.67W:0.04, h107km,4km,
n65, s172/92, mb4.3/18, 10C-4D, San Juan Province

ISCJB 17 02:45:15.15.1.6.4.51N:0.02:124.46E:0.04, h30km,11km,
mb4.5/38, MS3.2=2, Error ellipse: s-maj=7.0km
s-min=1.1km az=6.0
NEIC 17 02:45:17.9.1.5.4.50N:124.44E, h39km,9km, mb4.6/29,
Error ellipse: s-maj=12.0km s-min=8.6km az=171.0
MAN 17 02:45:17.4.4.73N:124.16E, h31km, mb5.1, ML4.1, MS4.1

BUI 17 02:45:18.3.5.18N:124.35E, h8km, mb4.6/15, mb4.7/8,
Ms4.5/3, MS2.7 4.3
IDC 17 02:45:18.6.0.7.4.50N:124.38E, h47km,7km, mb4.0/9,
mb1.4/2/10, mb1.1mx3.7/62, mbtmp4.3/10, MS3.1/5,
Ms1.3/2/5, ms1mx2.7/61, Error ellipse: s-maj=19.4km
s-min=10.4km az=99.0
ISC 17 02:45:17.3.0.6.4.55N:0.04:124.43E:0.05, h28km,3km,
n71, s193/83, mb4.6/38, MS3.2/7, 4C-1D, Celebes S



17d 3h

Table with columns: MLY, Manley, 83.72, 25, eP, P, 02 57 42.7 -0.8, etc.

SFS 17 02:48:21.0, 32.11N:5.69W, h0km, ML3.6
IGL 17 02:48:21.4, 32.11N:5.70W, h1km, ML2.3
MDJ 17 02:48:24.3, 32.032:24N:6.02W, h0km, mb4.1/4, Error ellipse: s-maj=29.6km s-min=26.8km az=96.0, PRXIMO

n42.1949/76, Morocco

Main table for Morocco stations with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC

2012 MAY

MVO Moncorvo 8.86 354 P Pn 02 50 33.5 0.0
comp=N,1.2nm,0.3s,SNR=7.9
ISCJB 17 02:52:26.8, 0.0, 30N:0.03:122.17E:0.05, h382km, 3km, mb4.1/37, Error ellipse: s-maj=7.9km s-min=4.8km az=136.2

Sulawesi

Main table for Sulawesi stations with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC

RPZ Rata Peaks 61.74 142 eP P 03 02 07.9 +0.1

Table for RPZ stations with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC

MAN 17 02:54:50.5, 9.55N:126.46E, h7km, mb4.9, ML3.8, MS3.8

n46.17250, mb4.0/9, 6C-2D, Mindanao

Main table for Mindanao stations with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC

Table with columns: ICAO, Name, Frequency, Mode, and other technical details. Includes stations like NIKSIC, CEVO, BANJA LUKA, etc.

Table with columns: ICAO, Name, Frequency, Mode, and other technical details. Includes stations like MOA, MOLL, PSZ, etc.

Table with columns: ICAO, Name, Frequency, Mode, and other technical details. Includes stations like LAGR, GRPR, etc.

SFS 17 03:14:03.0, 32:26N:5:77W, h0km, ML3.8
MDD 17 03:14:03.5:2.6, 32:26N:5:77W, h0km, mb4.1/6, Error
ellipso: s-maj=23.8km s-min=22.4km az=34.0, PRXIMO
CSEM 17 03:14:04.7:0.4, 32:36N:5:83W, h10km, MD3.3, Error
ellipso: s-maj=1.3km s-min=4.7km az=129.0
CNRM 17 03:14:04.9, 32:28N:5:76W, h1km, MD3.3
IGL 17 03:14:05.1, 32:27N:5:77W, h1km, ML2.4
INMG 17 03:14:05.3:1.2, 32:23N:5:68W, h23km, 5km, ML2.5, Error
ellipso: s-maj=7.0km s-min=3.4km az=2.0
ISC 17 03:14:04.5:1.6, 32:38N:0:07:5:80W:0.06, h10km:13km,
n47,r:131/87,Morocco

MOS 17 03:03:23.2:0.7, 45:71N:146:50E, h133km, mb4.2/1, Error
ellipso: s-maj=46.1km s-min=15.6km az=88.8
SKHL 17 03:03:23.8:0.8, 45:64N:146:56E, h139km, 5km, mb4.7/2,
msh4.4/2
JMA 17 03:03:24.9:0.3, 43:66N:148:27E, h4km, M3.6
ISC 17 03:03:19.0:2.6, 45:51N:0:08:147:0E:0.1, h194km:20km,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and other technical details. Includes stations like KIB, KIB, etc.



ISCJBJ 17 03:57:46.9.0.4, 52.2N:0.1:175.43W:0.07, h10km, mb3.3/3, Error ellipse: s-maj=21.6km s-min=3.0km az=165.8

NEIC 17 03:57:47.1.0.0, 52.03N:175.39W, h12km, ML3.3(AEIC), After AEIC.

IDC 17 03:57:51.4.11.0, 52.70N:175.47W, h0km, mb3.4/3, mb1.3/7.4, mb1mx3/7.8, mbtmp3.3/4, ML2.3/1, Error ellipse: s-maj=228.5km s-min=59.7km az=79.0

ISC 17 03:57:48.0.0.8, 52.12N:0.2:175.47W:0.05, h10km, n21, #12725, mb3.4/3, Andreanos Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like GSTR, GSMY, ETKA, ADAG, ATKA, KOWE, etc.

CSEM 17 04:18:36.8.1.0, 34.50N:33.42E, h10km, ML2.5, Error ellipse: s-maj=16.4km s-min=9.7km az=165.0

NIC 17 04:18:38.7.0.3, 34.58N:33.36E, h10km, ML2.9

ISK 17 04:18:43.8.35.10N:33.26E, h8km, ML2.5/6

ISC 17 04:18:39.6.2.4, 34.6N:0.1:33.35E:0.07, h17km, gkm, n21, #1919/30, Cyprus region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like CSS, AKIN, SZAC, etc.

ISCJBJ 17 04:20:23.6.0.8, 34.57N:0.04:33.44E:0.05, h4km, 7km, Error ellipse: s-maj=7.6km s-min=5.0km az=143.8

GII 17 04:20:25.3.0.0, 34.83N:33.44E, h29km

NIC 17 04:20:25.3.0.5, 34.56N:33.35E, h10km, ML3.1

CSEM 17 04:20:26.5.0.8, 34.58N:33.32E, h15km, ML2.8, Error ellipse: s-maj=15.7km s-min=6.5km az=154.0

ISC 17 04:20:30.6.35.07N:33.32E, h6km, ML2.8/7

ISC 17 04:20:25.0.1.1, 34.67N:0.03:33.45E:0.04, h14km, gkm, n38, #093/55, Cyprus region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like CSS, AKIN, SZAC, etc.

HRFI Mount Harif 4.81 163 Pn Pn 04 21 36.8 -0.2

MBRI Mt Berach 5.01 165 Pn Pn 04 21 39.6 -0.2

EIL Elat 5.14 165 Pn Pn 04 21 41.6 +0.1

NIC 17 04:29:19.3.0.2, 34.59N:33.31E, h8km, ML2.9

CSEM 17 04:29:22.5.0.8, 34.84N:33.15E, h10km, ML2.4, Error ellipse: s-maj=21.3km s-min=10.4km az=162.0

ISK 17 04:29:24.6.35.09N:33.21E, h8km, ML2.4/6

ISC 17 04:29:16.2.4.2, 34.55N:0.1:33.37E:0.07, h14km, n22, #064/29, Cyprus region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like CSS, SZAC, AKIN, etc.

ISCJBJ 17 04:36:12.3.1.1, 23.55S:0.2:179.0E:0.2, h535km, mb3.7/7, Error ellipse: s-maj=31.8km s-min=22.9km az=163.8

IDC 17 04:36:18.4.11.0, 23.52S:179.83E, h598km, 129km, mb3.2/7, mb1.3/4.7, mb1mx3/1.43, mbtmp4.2/7, Error ellipse: s-maj=55.8km s-min=26.3km az=63.0

ISC 17 04:36:12.8.1.0, 23.45S:0.2:180.0W:0.2, h535km, n10, #086/9, mb3.7/7, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like STKA, WRA, FITZ, etc.

IDC 17 04:42:12.3.2.1, 1.67N:126.23E, h0km, mb3.4/3, mb1.3/6/3, mb1mx3/3/5.4, mbtmp3.4/3, Error ellipse: s-maj=178.2km s-min=26.8km az=65.0, Northern Molucca Sea

WRA Warramunga Arr 22.90 160 P P 04 47 17.6 -0.3

ASAR Alice Springs 26.26 164 P P 04 47 49.6 +0.1

MKAR Makanchi Arr 58.97 326 P P 04 52 13.9 +0.1

NIC 17 04:43:12.3.0.3, 34.50N:33.36E, h10km, ML3.3

CSEM 17 04:43:15.0.0.5, 34.68N:33.28E, h12km, ML2.6, Error ellipse: s-maj=24km s-min=2km az=158.0

ISK 17 04:43:19.2.35.02N:33.17E, h12km, ML2.6/7

ISC 17 04:43:14.8.2.0, 34.67N:0.10:33.29E:0.05, h12km, n22, #045/30, Cyprus region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like CSS, SZAC, AKIN, etc.

SJA 17 04:47:21.9.0.6, 32.51S:71.67W, h22km, 6km, ML3.1, MW3.6

GUC 17 04:47:23.0.1.1, 32.73S:71.68W, h45km, 20km, ML3.7

NEIC 17 04:47:23.0.0.0, 32.73S:71.68W, h45km, ML3.7(GUC), After GUC.

NEIC Felt (I) at Zapallar and (II) at Quillota, Tiltit and Valparaiso.

ISC 17 04:47:17.0.2.7, 32.50S:0.04:71.82W:0.07, h12km, n17km, n22, #174/38, 1C-2D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like ROCC, ROCI, etc.

PEL Peldehue 1.15 124 eP Pn 04 47 40.7 +1.7

ANTU Antumapu 1.46 137 eS Sn 04 47 54.4 -0.3

comp=E, 3um, 0.3s FCH Farellones 1.53 123 eP Sn 04 47 46.1 +1.6

LMEL Las Melosas 1.91 135 l/P Pn 04 47 51.8 +2.2

comp=N, 2um, 0.2s RTLS Leoncanto 2.25 73 eP Pn 04 47 58.9 +1.1

comp=Z, 124nm, 0.3s ARCO CERRO ARCO 2.46 99 eP Pn 04 48 01.2 +3.7

Tololo Observa 2.48 21 eS Pn 04 48 28.9 +1.9

Hualaëo 2.50 182 eP Sn 04 47 58.9 +1.3

Hualaëo 2.50 182 l/P Pn 04 47 58.9 +1.3

Salagasta 2.52 93 eP Pn 04 48 25.4 +1.7

Agro 2.59 104 eP Pn 04 48 03.2 -0.2

Las Campanas 3.61 16 ePn Pn 04 48 16.1 +3.0

Copiar 5.08 16 ePn Pn 04 48 35.8 +2.7

Curarrehue 7.07 178 ePn Pn 04 49 01.8 +1.3

Mina Guanaco 7.57 16 ePn Pn 04 50 19.2 -1.6

Paso Flores 8.28 173 ePn Pn 04 50 38.8 -2.6

Paso Flores 9.77 137 ePn Pn 04 49 18.8 +1.9

Cochrane 14.74 182 ePn Pn 04 50 42.1 -3.1

JMA 17 05:01:46.0, 36.68N:140.65E, h9km, 1km, M2.8, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like JHO, ONAJ, etc.

ISCJBJ 17 05:02:09.9.0.9, 34.56N:0.04:33.40E:0.05, h5km, 7km, Error ellipse: s-maj=8.5km s-min=5.3km az=143.6

GII 17 05:02:09.9.0.0, 34.61N:33.36E, h15km, MD3.7/2

NIC 17 05:02:09.8.0.3, 34.55N:33.37E, h15km, ML3.4

CSEM 17 05:02:10.2.0.2, 34.58N:33.39E, h10km, ML2.9, Error ellipse: s-maj=15.7km s-min=6.5km az=154.0

ISC 17 05:02:15.6.35.03N:33.33E, h6km, ML2.9/6

ISC 17 05:02:09.9.1.2, 34.62N:0.03:33.38E:0.03, h11km, 10km, n40, #054/56, Cyprus region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like CSS, AKIN, SZAC, etc.

GII 17 05:04:15.1.0.6, 34.84N:33.60E, h10km, 1km

ISCJBJ 17 05:04:16.4.0.3, 34.55N:0.05:33.38E:0.06, h8km, 7km, Error ellipse: s-maj=10.3km s-min=6.1km az=143.3

NIC 17 05:04:16.9.0.3, 34.57N:33.35E, h7km, ML2.5

CSEM 17 05:04:17.0.1.1, 34.55N:33.35E, h15km, ML2.5, Error ellipse: s-maj=19.7km s-min=10.2km az=171.0

ISC 17 05:04:23.3.35.07N:33.37E, h8km, ML2.5/5

ISC 17 05:04:17.0.1.1, 34.58N:0.05:33.36E:0.04, h10km, 12km, n25, #109/35, Cyprus region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like CSS, Mathiatis, etc.









Table with columns: TDK, Station Name, Az, El, AzEl, Phase, ID, Time, Res, Code, Station Name, Az, El, AzEl, Phase, ID, Time, Res. Includes stations like Taldyqorghan, Tokmak 2, Erkin-Say, etc.

Table with columns: MNAS, Station Name, Az, El, AzEl, Phase, ID, Time, Res, Code, Station Name, Az, El, AzEl, Phase, ID, Time, Res. Includes stations like Almayshu, Karatay Array, Erkin-Say, etc.

Table with columns: ILAR, Station Name, Az, El, AzEl, Phase, ID, Time, Res, Code, Station Name, Az, El, AzEl, Phase, ID, Time, Res. Includes stations like comp=Z,0.2nm,0.7s, baz=321, slow=2.5, SNR=4.8, etc.

NNC 17 06:13:30.1±1.3, 38°70'N; 70°26'E, h0km, mb4.0, mpv3.6, Error ellipse: s-maj=9.6km s-min=7.7km az=45.0, ISC 17 06:13:30.1±1.3, 38°51'N; 70°02'E; 0.2, h23km, n13, ±0.61/18, 9C-4D, Afghanistan-Tajikistan border region

IDC 17 06:28:55.8±2.9, 39°59'N; 70°56'E, h0km, mb3.4/2, mb1.3/4.3, mb1mx2.3/2.63, mbtmp3.3/3, ML3.3/1, MS3.2/2, Ms1.3/2.2, ms1mx2.4/3.3, Error ellipse: s-maj=70.5km s-min=25.0km az=95.0, ISCJB 17 06:28:59.3±0.5, 39°70'N; 0°02'20.36E; 0.03, h3km, 4km, mb3.3/2, MS3.1/2, Error ellipse: s-maj=3.7km s-min=3.4km

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes station data for Greece-Albania border region and various other stations.

Table with columns: XOR, comp=N,560um,1.2s, AML, AML, 06 30 13.8. Includes station data for Mexico and various other stations.

Table with columns: ETAZ, BKZ, BKZ, Black Stump Fm, 3.84 218 Pn, Pb, 06 51 52.8 +1.1. Includes station data for East Tamaki Re and various other stations.

ISCJB 17 06:50:51.2+1.0, 32.69S:0:03:71.96W:0.04, h4km, 6km, mb4.6/22, MS3.8/3, Error ellipse: s-maj=7.1km s-min=3.7km az=140.9  
 IDC 17 06:50:53.0+0.8, 32.66S:71.70W, h0km, mb4.3/7, mb1.4.3/10, mb1mx4.1/35, mbtmp4.2/10, ML4.1/3, MS3.6/4, MS1.3.6/4, ms1mx3.1/29, Error ellipse: s-maj=33.5km s-min=20.1km az=70.0  
 NEIC 17 06:50:54.0+0.0, 32.70S:71.82W, h29km, mb4.6/11, ML4.4(GUC), After GUC.  
 NEIC Feil [II] at Quiltoa, Valparaiso and Vina del Mar; [II] at San Felipe. Also felt at Santiago  
 GUC 17 06:50:54.9+1.2, 32.68S:71.81W, h25km, 12km, ML4.3  
 BUJ 17 06:50:55.1+1.2, 32.70S:71.70W, h18km, mB5.0/2, Ms4.7/1, M5.7.4/1  
 SJA 17 06:51:02.1+0.6, 32.76S:71.45W, h30km, ML4.0, MW4.4  
 ISC 17 06:50:53.7+1.7, 32.77S:0:04:71.81W:0.05, h11km±1.0km, n268, e0s80/27.1, mb4.6/22, MS3.7/3, 1C-3D, Near coast of central Chile

Code	Station Name	A°	AZ°	Phase ID	h	m	s	ISC	Time	Res
ROCI	El Roble	0.70	109	eP	06	51	08.8	+0.7		
ROCI	El Roble	0.70	109	eS	06	51	19.2	-1.7		
ROCI	El Roble	0.70	109	eS	06	51	19.4	-1.5		
ROCH	El Roble	0.70	108	iP	06	51	08.8	+0.6		
ROCH	El Roble			iS	06	51	19.3	-1.5		
ROCH	El Roble			IAML	06	51	20.1			
PEL	Peidehue	1.02	113	eP	06	51	14.3	+0.3		
PEL	Peidehue			eS	06	51	28.4	0.0		
PEL	Peidehue	1.02	113	eP	06	51	13.5	+0.1		
PEL	Peidehue			eS	06	51	28.0	0.0		
ANTU	Antumapu	1.28	130	eP	06	51	18.2	+0.1		
ANTU	Antumapu			iS	06	51	35.4	+0.6		
ANTU	Antumapu			IAML	06	51	40.5			
FCH	Farellones	1.40	115	iP	06	51	20.0	-0.6		
FCH	Farellones			iS	06	51	39.4	+0.6		
FCH	Farellones			IAML	06	51	40.6			
LMEL	Las Melosas	1.73	130	iP	06	51	25.3	-0.3		
LMEL	Las Melosas			iS	06	51	48.8	-0.7		
LMEL	Las Melosas			IAML	06	51	50.3			
GO05	Hualaeø	2.25	183	eP	06	51	31.1	+0.1		
GO05	Hualaeø			eS	06	51	58.5	-0.3		
GO05	Hualaeø	2.25	183	iP	06	51	30.5	0.0		
GO05	Hualaeø			iS	06	51	58.0	+0.1		
NICH	Los Niches	2.29	168	eS	06	52	04.1	+0.6		
NICH	Los Niches			IAML	06	52	11.5			
RTL5	Leoncito	2.33	67	eP	06	51	37.1	+1.2		
RTL5	Leoncito			eS	06	52	04.2	+0.6		
RTL5	Leoncito			IAML	06	52	12.1			
ARCO	CERRO ARCO	2.42	93	eP	06	51	38.2	+0.8		
ARCO	CERRO ARCO			IAML	06	52	17.6			
ASAL	Salagasta	2.51	87	eP	06	51	39.6	+0.7		
AAGR	Agrelo	2.53	98	eP	06	51	39.9	+0.7		
TLL	Tololo Astrono	2.72	19	eP	06	51	38.4	+0.8		
AVIZ	Vizcacheras	2.85	105	eP	06	51	44.0	-0.3		
LCO	Las Campanas	3.85	15	eP	06	51	53.0	+0.1		
PLCA	Paso Flores	8.03	173	Pn	06	52	52.1	+1.8		
TRQA	Tornquist	9.61	126	ePn	06	53	12.3	+0.3		
PB01	IPCC Station P	11.85	11	eP	06	53	42.0	-0.7		
CPUP	Villa Florida	14.13	67	LR	06	59	45.7			
CPUP	Villa Florida	14.13	67	ePn	06	54	13.3	-0.5		
CPUP	Villa Florida	16.73	12	Pn	06	54	48.9	+0.1		
LPAZ	La Paz	16.73	12	ePn	06	54	48.3	-0.4		
SIV	San Ignacio	19.32	33	P	06	55	17.9	-1.1		
SPB	Sao Paulo	23.30	73	eP	06	56	02.0	+0.3		
SAML	Samuel	25.00	21	eP	06	56	17.1	-0.5		
RPN	Rapa Nui	32.88	270	LR	07	06	41.2			
RPN	Rapa Nui	32.88	270	eP	06	57	23.6	-4.2		
PTGA	Pitinga	33.75	22	eP	06	57	35.3	-0.2		
RUSC	La Rusia	38.45	358	eP	06	58	17.3	+1.0		
HELX	Santa Helena	38.89	354	eP	06	58	21.0	+1.2		
VNA3	Neumayer	50.44	158	P	06	59	52.8	+1.8		
VNA1	Neumayer-Stat	50.74	157	P	06	59	59.4	+6.2		
VNA2	Neumayer-Watz	51.09	158	P	06	59	57.6	+1.8		
SNA4	Sanae	52.66	158	P	07	00	08.9	+1.3		
SNA4	Sanae	52.66	158	P	07	00	08.7	+1.1		
SNA4	Sanae			LR	07	21	18.0			
656A	Willston	62.62	349	P	07	01	20.9	+3.0		
356A	Blackshear	64.48	350	P	07	01	33.0	+2.7		
450A	Marianna	64.51	347	P	07	01	33.6	+3.1		
452A	Crestview	64.74	346	P	07	01	34.9	+2.9		
353A	Camilla	64.83	348	P	07	01	35.5	+2.9		
346A	Big Creek Wild	65.94	343	P	07	01	40.3	+0.6		
NHSC	New Hope	65.98	352	P	07	01	41.3	+1.3		
833A	Chaparral WMA	66.15	333	P	07	01	42.3	+1.1		
151A	Opelika	66.17	348	P	07	01	42.6	+1.3		
150A	Eclectic	66.38	347	P	07	01	42.6	0.0		
GOGA	Godfrey	66.72	349	P	07	01	44.9	+0.2		
148A	Greensboro	66.73	346	P	07	01	45.4	+0.6		
341A	Kurthwood	66.86	340	P	07	01	46.4	+0.7		
Z50A	Ashland	66.99	347	P	07	01	46.4	-0.1		
242A	Grayson	67.27	341	P	07	01	48.9	+0.6		
Z47A	Carrollton	67.37	345	P	07	01	49.2	+0.4		
Z46A	Louisville	67.55	344	P	07	01	50.8	+0.8		
Y50A	Piedmont	67.58	347	P	07	01	50.6	+0.5		
Y47A	UCPARC, Winfie	68.00	346	P	07	01	52.9	+0.1		
Y46A	Houston	68.20	345	P	07	01	54.0	-0.1		
JCT	Junction City	68.25	334	P	07	01	54.8	+0.3		
X49A	Woodville	68.29	347	P	07	01	55.0	+0.4		
Y45A	Yeager Farm, C	68.34	344	P	07	01	55.6	+0.7		
X48A	Hartselle	68.37	346	P	07	01	55.0	-0.1		
Z41A	Richland Creek	68.58	341	P	07	01	56.3	-0.1		
X47A	Russeville	68.60	346	P	07	01	56.4	-0.2		
Y43A	Makayla and Ka	68.71	343	P	07	01	57.3	+0.1		
TX31	Lajitas Ar. Si	68.75	330	eP	07	01	58.4	+0.7		
TXAR	Lajitas Array	68.75	330	P	07	01	58.3	+0.5		
WHTX	Lake Whitney	68.80	337	P	07	01	57.5	-0.4		
X45A	UM Field Stati	68.84	344	P	07	01	57.6	-0.4		
Y42A	Garnett, Star	68.86	342	P	07	01	57.3	-0.8		
SWET	Sewanee	68.90	348	eP	07	01	58.9	+0.4		

040A	La Belle	74.85	344	P	07	01	59.2	+0.1		
N42A	Yates City	75.13	346	P	07	02	00.1	+0.4		
M44A	Midway, Midew	75.28	347	P	07	02	00.0	-0.6		
N39A	Derby Farms, D	75.72	344	P	07	02	01.3	-0.8		
M41A	Milan	75.76	346	P	07	02	02.1	-0.5		
N38A	Joess South For	75.81	343	P	07	02	03.8	-0.7		
M40A	Post Highland	76.00	345	P	07	02	03.8	-0.7		
L43A	Garden Prairie	76.18	347	P	07	02	06.1	+0.2		
L42A	Oliver, Polo	76.18	346	P	07	02	05.9	-0.2		
M39A	Webster	76.21	344	P	07	02	06.0	-0.1		
M38A	Pleasantville	76.39	344	P	07	02	06.4	-0.3		
L41A	Preston	76.42	346	P	07	02	06.6	-0.3		
L40A	Anamosa	76.56	345	P	07	02	06.9	-0.4		
M37A	Trindle Farm	76.59	343	P	07	02	07.5	-0.4		
L39A	Vinton	76.79	345	P	07	02	08.2	+0.1		
SDCO	Great Sand Dun	76.85	333	P	07	02	08.4	-0.1		
SDCO	Great Sand Dun	76.85	333	eP	07	02	08.5	-0.5		
K42A	Prairie Point,	76.87	347	P	07	02	10.3	+1.2		
K41A	Shullsburg	76.89	346	P	07	02	09.3	-0.1		
LONY	Lake Ozonia	77.05	358	P	07	02	10.5	+1.2		
K40A	Colburg	77.15	346	P	07	02	10.7	-0.4		
JFWS	Jewell Farm	77.18	346	P	07	02	09.7	-0.6		
J43A	Natural Harves	77.28	348	P	07	02	09.7	-0.6		
J42A	Columbus	77.35	347	P	07	02	11.1	-0.2		
S22A	4UR Ranch, Cre	77.36	332	P	07	02	11.2	-0.4		
WUAZ	Wupatki	77.38	328	P	07	02	11.5	-0.4		
J41A	Loganville	77.56	347	P	07	02	12.7	-0.1		
MVCO	Mesa Verde	77.57	331	P	07	02	12.4	-0.6		
J40A	Soldiers Grove	77.74	346	P	07	02	12.1	-1.0		
BC3	Big Chuckwall	77.78	324	P	07	02	14.1	-0.4		
Q24A	Divide	77.78	334	P	07	02	13.6	-1.0		
I42A	Dræger Farm,	77.86	347	P	07	02	14.6	0.0		
J39A	Decorah	77.88	345	P	07	02	14.1	-0.8		

Table with columns for call sign, frequency, power, and other technical details. Includes stations like NVAR, B35A, B34A, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes stations like LAGR, LAGR, YUK, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes stations like CCB, ILAR, ELAR, etc.

NIED 17 06:51:05.70, 1.39, 32N, 143.10E, h14km, Mw4.1 Best double couple...

JMA 17 06:51:05.70, 1.39, 32N, 143.14E, h17km, 2km, M4.1 JMA Felt J1.

ISCBJ 17 06:51:06.0, 0.8, 39, 36N, 0.03, 143.14E, 0.03, h16km, 5km, mb4.3/56, MS3.4/8, Error ellipse: s-maj=5.7km

MOS 17 06:51:08.6, 1.3, 39, 34N, 143.16E, h40km, mb4.4/25, Error ellipse: s-maj=9.0km, s-min=5.7km, 2.5/8

IDC 17 06:51:10.2, 2.3, 39, 25N, 143.07E, h40km, 21km, mb3.9/21, mb1.4/26, mb1mx3.9/80, mbtmp4.2/26, ML3.6/5, MS3.3/14, Ms1.3/3/14, ms1mx3.0/72, Error ellipse: s-maj=16.2km

NEIC 17 06:51:10.5, 0.7, 39, 34N, 143.03E, h37km, 6km, mb4.4/30, Error ellipse: s-maj=7.2km, s-min=4.9km, az=138.0

NEIC Recorded (1 JMA) in Aomori, Iwate and Miyagi. ISC 17 06:51:05.9, 1.3, 39, 35N, 0.04, 143.14E, 0.05, h9km, 7km, n161, s169, mb4.4/56, MS3.5/8, 7C-1D, Off east coast of Honshu

Table with columns for Code, Station Name, Azimuth, Phase, ID, Time, Res, and ISC. Lists various stations and their characteristics.

Table with columns for call sign, frequency, power, and other technical details. Includes stations like LAGR, LAGR, YUK, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes stations like CCB, ILAR, ELAR, etc.

IDC 17 06:52:13.3, 31.0, 20, 53S, 177.72W, h0km, mb4.4/4, mb1.4/6.4, mb1mx3.9/48, mbtmp4.4/4, Error ellipse: s-maj=586.5km, s-min=146.3km, az=90.0, Fiji Islands region





17d 8h

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Table with columns: Code, Station Name, Az, El, P, Res, and various numerical values. Includes stations like WRR1 Warramunga Arr, ASO1 Alice Springs, MTN Mantong Dam, etc.

Table with columns: Code, Station Name, Az, El, P, Res, and various numerical values. Includes stations like DAWY Dawson, EGAK Eagle, HHC Hucho-hucho, etc.

IDC 17 08:05:41.6:5.0, 17.33S:69.06W, h177km, 26km, mb3.2/2, mb1 3.4/2, mb1mx3.0/4.5, mbtmp3.7/2, Error ellipse: s-maj=91.1km s-min=53.3km az=12.0, Peru-Bolivia border region

ISC/JB 17 08:11:59.8:0.1, 32.06N:0.01:94.39W, 0.01, h10km, mb4.4/72, MS4.6/242, Error ellipse: s-maj=1.6km s-min=1.2km az=1.8

Table with columns: Code, Station Name, Az, El, P, Res, and various numerical values. Includes stations like NATX Nacogdoches, NATX Nacogdoches, NATX Nacogdoches, etc.

Table with columns: Code, Station Name, Az, El, P, Res, and various numerical values. Includes stations like HKT Hockley, HKT Morse, Y41A Eggleston Beard, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and Time. Includes entries like OXF Oxford, 4.90 57 ePn, and 247A Quitman, 4.92 87 P Pn.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and Time. Includes entries like Q40A Laux Farm, Aux, 7.29 14 P Pn, and R43A Red Bud, 7.31 29 P Pn.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and Time. Includes entries like M36A Felix, Anita, 9.51 358 P Pn, and M38A Pleasantville, 9.51 5 P Pn.

Table with columns: ID, Name, Date, Time, Status, Type, Location, and other details. Includes entries like M46A Old House Field, L44A Lake County Forest, etc.

Table with columns: ID, Name, Date, Time, Status, Type, Location, and other details. Includes entries like CNNC Cliffs of the Loretta, F31A Hecla, G43A Wallace, etc.

Table with columns: ID, Name, Date, Time, Status, Type, Location, and other details. Includes entries like SZCU Shurtz Canyon, MDND Maddock, NLU North Lily Min, etc.

						<b>2012 MAY</b>						<b>17d 8h</b>									
911	PFO	Pinyon Flats O	18.63 281	eP	Pn	08 16 19.3	-0.2	BEKR	Beckworth	22.42 298	PFAKE	08 17 10.0	+1.0	LLLL	Lilloet	27.59 321	PFAKE	08 18 00.0	+11		
	TPNV	Topopah Spring	18.70 292	eP	Pn	08 16 20.6	+0.3	BEKR	Beckworth					CRPR	Cabo Rojo, PR	28.26 113	PFAKE	08 18 10.0	+15		
	PAL	Palisades	18.76 55	P	P	08 16 19.6	-1.0	F10A	comp=Z,3um,20.0s Beach Ranch, E	22.52 315	eP	P	08 17 02.6	+1.3	CRPR	comp=Z,900nm,21.0s		LR	08 18 00.0	+15	
	PAL	Palisades	18.76 55	eP	Pn	08 16 21.8	+0.9	WALA	comp=Z,2um,18.0s Waterton Lakes	22.54 325	eP	P	08 17 01.8	+0.3	MOTC	Monterria, Cord	28.47 139	eP	P	08 18 02.9	+2.6
	PLVO	Plevna	18.79 41	eP	Pn	08 16 20.7	-0.6	AFDM	comp=Z,19nm,1.4s Forest Hills D	22.71 295	PFAKE	LR	08 17 20.0	+1.7	MTP	Monte Pirata	29.83 111	PFAKE	LR	08 18 20.0	+15
	ELK	Elko	18.92 304	P	P	08 16 20.8	+4.7	SAO	comp=Z,400nm,20.0s San Andreas Ge	22.82 290	eP	P	08 17 04.8	+0.3	SCHO	Schefferville	30.07 32	P	08 18 12.4	+1.8	
	ELK	comp=Z,950nm,21.5s,baz=161,slow=37			LR	08 23 46.2		SAO	comp=Z,23nm,0.9s					SCHO	comp=Z,4.2nm,0.6s,baz=238,slow=10,SNR=4.8		LR	08 30 46.0			
	TGUH	Tequicgalpa,Un	18.95 158	eP	Pn	08 16 25.9	+2.6	SAO	comp=Z,3um,20.0s					ZARC	comp=Z,2um,18.5s,baz=238,slow=37		P	08 18 15.2	+1.5		
	BRRC	Big Bear Solar	19.01 283	P	P	08 16 22.8	-1.5	MOD	comp=Z,2um,20.0s Modoc Plateau	22.90 303	eP	P	08 17 06.3	+0.9	HELH	comp=Z,21nm,1.3s Santa Helena	31.09 142	eP	P	08 18 20.5	+0.1
	BBX	Edison Barstow	19.09 285	P	P	08 16 23.3	-0.9	MOD	comp=Z,26nm,1.0s					HELH	comp=Z,21nm,1.3s Santa Helena	31.09 142	eP	P	08 18 20.3	-0.1	
	ROZ	Bozeman (W)	19.09 321	P	Pn	08 16 24.0	-1.1	I07A	comp=Z,1um,20.0s	23.11 309	eP	P	08 17 09.3	+1.8	PTBC	PUERTO BERRIO	31.36 139	eP	P	08 18 23.8	+1.2
	BOZ	Bozeman (W)	19.09 321	eP	Pn	08 16 24.6	-0.5	I07A	comp=Z,7.8nm,0.9s					BBB	Bella Bella	31.77 320	PFAKE	LR	08 18 40.0	+1.4	
	FURC	Furnace Creek, baz=97	19.12 290	P	P	08 16 23.2	-1.2	I07A	comp=Z,2um,21.0s					PLMC	San Jos' del	31.80 144	eP	P	08 18 40.7	+1.4	
	MURC	Murrieta	19.24 281	P	Pn	08 16 25.5	-1.4	RDG13	Poverty Ridge	23.11 291	eP	P	08 17 08.2	+0.6	SDV	Santo Domingo	31.82 131	eP	P	08 18 28.2	+1.6
	MCMT	McKenzie Canyo	19.31 317	eP	Pn	08 16 29.6	-0.9	RDG13	comp=Z,2.2nm,1.4s					SDV	comp=Z,4.9nm,0.5s,baz=328,slow=9.5,SNR=7.0		LR	08 33 29.0			
	DLMT	Dillon	19.48 319	eP	P	08 16 31.8	+2.0	ORV	comp=Z,2um,22.0s	23.22 297	PFAKE	LR	08 17 20.0	+1.1	BARC	Barichara	32.06 137	eP	P	08 18 29.9	+1.2
	MPMC	Manual Prospec	19.57 288	P	P	08 16 28.5	-1.2	ORV	comp=Z,3um,19.0s					REFE	El Recreo	32.26 142	eP	P	08 18 32.7	+1.5	
	HLID	Hailey	19.57 312	P	Pn	08 16 30.3	-0.6	JTS	comp=Z,1nm,0.3s,baz=15,slow=19,SNR=2.4	23.24 156	P	P	08 17 09.8	+0.9	RUTC	Yotoco Valle	32.56 145	eP	P	08 18 35.2	+2.2
	HLID	Hailey	19.57 312	eP	Pn	08 16 32.9	+1.9	G08A	Pilot Rock	23.26 312	eP	LR	08 17 10.3	+1.3	YOSC	La Rusia	32.69 138	eP	P	08 18 34.3	-0.2
	GRAC	Grapevine Rang	19.59 291	P	P	08 16 28.0	-1.7	G08A	comp=Z,1.0nm,1.1s					RUSC	comp=Z,7.2nm,0.9s La Rusia	32.69 138	eP	P	08 18 35.2	+0.7	
	BFC	Mount Baldy Ra	19.62 283	P	P	08 16 29.6	-0.6	E09A	Wood Farm, Sta	23.34 315	PFAKE	LR	08 17 20.0	+1.0	ROSC	El Rosal	32.87 141	eP	P	08 18 37.6	+1.5
	DAC	Darwin (Calif)	19.68 289	eP	Pn	08 16 33.4	+1.1	E09A	comp=Z,1um,20.0s					ROSC	comp=Z,2.3nm,0.3s,baz=247,slow=7.7,SNR=3.4		LR	08 33 11.7			
	LRM	Limekiln Ridge	19.68 320	eP	Pn	08 16 33.3	+1.0	FFC	comp=Z,1um,19.0s Flm Flor	23.41 349	eP	P	08 17 10.9	+0.6	YKA	Yellowknife Ar	33.21 343	eP	P	08 18 39.4	+1.4
	EGMT	Eagleton	19.86 328	P	P	08 16 31.9	-0.7	K05A	comp=Z,40nm,1.3s	23.57 305	eP	P	08 17 15.1	+2.8	YKA	comp=Z,1.4nm,0.5s,baz=139,slow=8.8,SNR=43		PcP	08 21 21.8	+1.4	
	EGMT	Eagleton	19.86 328	eP	Pn	08 16 34.7	+0.5	K05A	comp=Z,29nm,1.0s					YKA	comp=Z,1.0nm,0.6s,baz=141,slow=2.0,SNR=5.0		LR	08 32 48.3			
	NCB	Newcomb	19.87 47	eP	Pn	08 16 34.0	-0.3	NEW	comp=Z,2um,20.0s	23.70 320	P	P	08 17 15.8	+2.5	YK3	Yellowknife Ar	33.27 343	eP	LR	08 18 40.5	+1.9
	EDW2	Edwards Air Fo	19.91 285	P	P	08 16 32.8	-0.5	NEW	comp=Z,6.2nm,0.6s,baz=107,slow=5.7,SNR=10					YK3	comp=Z,2.4nm,0.9s		LR	08 18 40.5	+1.9		
	HRY	Holler Researc	19.93 323	eP	Pn	08 16 35.1	+0.1	NEW	comp=Z,548nm,20.8s,baz=120,slow=36					CHIC	Chingaza	33.36 140	eP	P	08 18 41.4	+1.0	
	ACCN	Airdrockack Com	19.94 49	eP	Pn	08 16 34.7	-0.4	NEW	comp=Z,7.4nm,1.3s	23.70 320	P	P	08 17 13.5	+0.2	PRAC	Prado	33.53 143	eP	P	08 18 42.8	+1.4
	LONY	Lake Ozonia	19.99 45	P	P	08 16 32.9	-1.0	NEW	comp=Z,10nm,0.8s	23.70 320	eP	P	08 17 15.5	+2.2	MARP	Paez Belalcaza	33.74 145	eP	P	08 18 46.6	+3.0
	LONY	Lake Ozonia	19.99 45	eP	Pn	08 16 35.0	-0.7	HDC	comp=Z,700nm,19.0s	23.81 154	eP	P	08 17 14.5	-0.2	VILC	Villavicencio,	33.82 141	eP	P	08 18 44.8	+0.8
	PASC	Pasadena Art C	20.06 283	PFAKE	LR	08 16 50.0	+1.3	E08A	Heredia	23.81 154	eP	P	08 17 16.9	+1.9	PCON	Cinco Días	33.98 146	eP	P	08 18 46.2	+0.2
	DCCW	Cottonwood Cre	20.09 289	P	P	08 16 34.4	-0.8	E08A	comp=Z,2um,20.0s					SOTA	Rio Blanco	34.05 147	eP	P	08 18 47.9	+1.4	
	ECCO	Green Verdugo	20.18 283	P	P	08 16 35.6	-0.6	PINE	Pine Mountain	23.96 307	eP	P	08 17 17.4	+1.3	DIB	Dawson Inlet	34.60 319	PFAKE	LR	08 19 00.0	+1.0
	BMN	Battle Mountai	20.24 301	eP	P	08 16 36.3	-0.6	PINE	comp=Z,9.1nm,0.8s					PCRV	Puerto La Cruz	35.01 122	LR	LR	08 18 56.9	+2.8	
	BMN	comp=Z,8.0nm,0.8s			LR			D08A	comp=Z,2um,20.0s Wollman Farm,	24.08 316	eP	P	08 17 19.4	+2.6	SVB	Belmont	35.59 114	PFAKE	LR	08 18 56.9	+2.8
	ISA	Isabella, Lake	20.34 287	PFAKE	LR	08 16 50.0	+1.0	D08A	comp=Z,9.6nm,0.8s					SVB	comp=Z,2um,20.0s		LR	08 18 56.9	+2.9		
	MFID	Camas Ranch	20.41 310	eP	Pn	08 16 38.7	-2.0	MCCM	comp=Z,3um,21.0s	24.08 293	eP	P	08 17 17.5	+0.6	DLBC	comp=Z,600nm,21.0s		LR	08 18 55.9	+1.4	
	MFID	comp=Z,13nm,0.8s			LR			MCCM	comp=Z,39nm,1.0s					DLBC	comp=Z,6.1nm,1.0s		LR	08 19 10.0	+8.9		
	NV11	Mina Array Sit	20.45 295	eP	Pn	08 16 40.0	-1.2	C09A	comp=Z,1um,21.0s Chrisman Ranch	24.09 318	PFAKE	LR	08 17 30.0	+1.3	CRAG	comp=Z,600nm,21.0s	35.86 323	PFAKE	LR	08 19 10.0	+8.9
	OSI	Ostio Audit: C	20.51 284	PFAKE	LR	08 16 50.0	+8.1	C09A	comp=Z,1um,18.0s					CRAG	comp=Z,600nm,21.0s		LR	08 19 10.0	+8.7		
	KVN	Kaiserville	20.53 297	eP	Pn	08 16 40.4	-1.9	GDXM	comp=Z,1um,18.0s	24.09 294	PFAKE	LR	08 17 30.0	+1.3	WRAK	Wrangell Island	35.88 324	PFAKE	LR	08 19 10.0	+8.7
	KVN	comp=Z,13nm,0.9s			LR			HAWA	comp=Z,2um,19.0s					WRAK	comp=Z,600nm,20.0s		LR	08 19 10.0	+7.5		
	NV01	Mina Array Sit	20.56 295	eP	Pn	08 16 41.2	-1.5	HAWA	comp=Z,1um,18.0s	24.12 314	eP	P	08 17 17.8	+0.5	GRGR	Grenville	35.97 116	PFAKE	LR	08 19 10.0	+7.5
	NVAR	Mina Array Bea	20.56 295	P	Pn	08 16 42.0	-0.6	F07A	comp=Z,1um,18.0s	24.14 313	PFAKE	LR	08 17 30.0	+1.3	GRGR	comp=Z,600nm,22.0s		LR	08 19 10.0	+7.5	
	NVAR	comp=Z,2.0nm,0.6s,baz=102,slow=9.9,SNR=11			LR	08 25 08.2		F07A	Phinny Hill Vi	24.14 313	PFAKE	LR	08 17 30.0	+1.3	JIS	Juneau Island	37.71 326	PFAKE	LR	08 19 30.0	+1.3
	FRNY	Flat Rock	20.71 46	eP	P	08 16 41.8	+0.1	WDC	comp=Z,2um,19.0s Whiskeytown Da	24.20 299	PFAKE	LR	08 17 30.0	+1.2	JIS	comp=Z,1um,21.0s		LR	08 19 30.0	+1.3	
	FRNY	comp=Z,2.1nm,1.3s			LR			WDC	comp=Z,2um,20.0s					BESE	Bessie Mountai	38.07 327	PFAKE	LR	08 19 30.0	+1.0	
	FRNY	comp=Z,4um,18.0s			LR			G06A	comp=Z,1um,20.0s	24.31 311	PFAKE	LR	08 17 30.0	+1.1	BESE	comp=Z,1um,21.0s		LR	08 19 40.0	+1.2	
	RYN	Ryan	20.77 295	eP	Pn	08 16 42.9	-2.2	G06A	comp=Z,700nm,21.0s	24.33 295	PFAKE	LR	08 17 30.0	+1.1	WHY	Whitehorse	39.05 329	PFAKE	LR	08 19 40.0	+1.2
	RYN	comp=Z,24nm,1.0s			LR			HOPS	comp=Z,1um,18.0s					WHY	comp=Z,200nm,18.0s		LR	08 20 10.0	+1.3		
	TRQ	Mont Tremblant	20.91 41	eP	Pn	08 16 45.1	-1.5	E07A	comp=Z,2um,19.0s	24.40 314	PFAKE	LR	08 17 30.0	+1.0	DAWY	Dawson	42.51 333	PFAKE	LR	08 20 10.0	+1.3
	OMMB	Old Mammoth Mi	20.96 292	PFAKE	LR	08 17 00.0	+1.3	E07A	Sunnyside	24.40 314	PFAKE	LR	08 17 30.0	+1.0	BALM	Baldy	42.52 328	PFAKE	LR	08 20 10.0	+1.3
	OMMB	comp=Z,4um,21.0s			LR			SDDR	comp=Z,1um,18.0s	24.46 116	PFAKE	LR	08 17 30.0	+9.3	BALM	comp=Z,800nm,18.0s		LR	08 20 10.0	+1.2	
	MDPB	Devils Postpil	21.03 292	PFAKE	LR	08 17 00.0	+1.4	SDDR	Presa de Saban	24.46 116	PFAKE	LR	08 17 30.0	+9.3	TGL	Tana Glacier	42.65 327	PFAKE	LR	08 20 10.0	+1.2
	MSO	Missoula	21.12 320	P	P	08 16 48.4	+2.1	SDDR	comp=Z,700nm,20.0s					INK	comp=Z,1um,21.0s Inuvik	42.79 340	P	P	08 20 00.2	+1.5	
	MSO																				

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like Sheep Creek Mo, Denali Highway, Sawmill, Seward, Harding Lake, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like SFS, ESDC, HFS, HFS, SEY, PPT, PPT2, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like ISP, MDJ, BRJ, MDJ, BRJ, MDJ, BRJ, etc.

ISCJB 17 08:23.06:5.0.9.17.7S:0.3:178.3W:0.2:h590km, mb3.6/12, Error ellipse: s-maj=40.2km s-min=9.9km az=154.1

IDC 17 08:23.07:5.1.5.17.88S:178.06W,h597km,17km, mb3.2/12, mb1.3/4/13, mb1mx3.2/46, mbtmp4.1/13, Error ellipse: s-maj=39.0km s-min=11.0km az=150.0

ISC 17 08:23.07:0.9.17.9S:0.3:176.1W:0.2:h590km,n17, mb3.6/12, mb3.8/12, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Power, Mode, Phase ID, Time, Res, and other technical details. Includes stations like AFI, AFI, AFI, AFI, etc.

Table with columns: WHO, TLI, TLI, eS, Sg, Pn, Time, Res, ISC. Includes station data for Tlapa.

ISCJB 17 08:58:29.0±0.5, 36°28'N±0.4, 70°54'E±0.05, h150km, mb3.1/2, Error ellipse: s-maj=6.3km s-min=5.0km az=154.2

IDC 17 08:58:30.1±5.4, 36°36'N±0.741E, h126km, 36km, mb3.5/3, mb1.3/8, mb1mx3.2/70, mbtmp0.9, Error ellipse: s-maj=62.8km s-min=17.6km az=152.0

NMC 17 08:58:34.0±1.8, 36°59'N±0.745E, h128km, 39km, mb3.5, mpv4.1, Error ellipse: s-maj=22.4km s-min=15.2km az=108.0

ISC 17 08:58:31.2±1.0, 36°39'N±0.0870, 56E±0.09, h150km, n32, c1567/36, 7C-4D, Hindu Kush region

Main table of station data for the first section, including columns for Code, Station Name, Az, Phase ID, Time, Res, ISC.

CSEM 17 08:59:30.6, 64°71'N±0.67E, h0km, ML 1.9, Mining explosion.

HEL 17 08:59:30.6±0.1, 64°71'N±0.67E, h0km, ML 1.9, Explosion

IDC 17 08:59:30.8±3.3, 64°67'N±1.33E, h0km, mb1.3/2.4, mb1mx3.0/69, mbtmp3.1/4, ML2.9/3, Error ellipse: s-maj=47.2km s-min=10.9km az=102.0

KOLA 17 08:59:31.4, 64°78'N±0.10E, h0km

ISC 17 08:59:28.9±0.9, 64°83'N±0.0231, 7E±0.04, h0km, n44, c1565/65, Baltic States-Belarus-Northwestern Russia

Main table of station data for the second section, including columns for Code, Station Name, Az, Phase ID, Time, Res, ISC.

Main table of station data for the third section, including columns for Code, Station Name, Az, Phase ID, Time, Res, ISC.

IDC 17 09:08:35.1±2.2, 25°69'S±0.716W, h0km, mb4.1/2, mb1.3/8, mb1mx3.5/38, mbtmp3.7/4, ML3.4/2, Error ellipse: s-maj=85.7km s-min=31.4km az=109.0, Near coast of northern Chile

Table of station data for the third section, including columns for Code, Station Name, Az, Phase ID, Time, Res, ISC.

IDC 17 09:11:46.5±1.6, 35°29'N±137°58'E, h0km, mb3.7/3, mb1.3/7.4, mb1mx3.3/70, mbtmp3.8/4, ML3.8/1, MS4.7/1, Ms1.4/7.1, ms1mx2.6/70, Error ellipse: s-maj=25.4km s-min=17.2km az=124.0

ISCJB 17 09:11:47.9±0.7, 35°99'N±0.04, 139°79'E±0.07, h90km, 5km, mb3.5/3, Error ellipse: s-maj=9.5km s-min=6.3km az=170.9

JMA 17 09:11:49.8±0.1, 36°02'N±139°79'E, h77km±1km, M3.5 Broadband fault plane solution: P waves. NP1: p357.0000°, s32.0000°, az4.0000°. NP2: p357.0000°, s32.0000°, az4.0000°. Principal axes: T P1g74.0000°, Azm252.0000°, N P1g5.0000°, Azm360.0000°, P P1g15.0000°, Azm91.0000°. JMA Fell I, J.

ISC 17 09:11:48.8±1.1, 36°00'N±0.05, 139°79'E±0.06, h85km, 9km, n15, c0554/23, mb3.7/3, 3C-3D, Eastern Honshu

Main table of station data for the fourth section, including columns for Code, Station Name, Az, Phase ID, Time, Res, ISC.

NIED 17 09:12:00.26±50N, 142°00'E, h77km, Mw4.3, Best double couple: M3.3, 18000°1015' NP1: s78.00000°, s28.00000°, 1.146.00000°. NP2: s199.00000°, s75.00000°, s66.00000°. IDC 17 09:12:31.0±0.4, 26°40'N±141°16'E, h0km, mb4.3/31, CBJJ mb1.4/3/4, mb1mx4.2/69, mbtmp4.2/34, ML3.2/2, MS3.0/3, Ms1.3/0.3, ms1mx2.5/68, Error ellipse: s-maj=15.3km s-min=10.1km az=93.0

MOS 17 09:12:24.7±1.0, 26°40'N±141°16'E, h35km, mb4.6/28, Error ellipse: s-maj=13.9km s-min=6.1km az=104.7

ISCTJ 17 09:12:25.0±3.0, 26°40'N±141°16'E±0.04, h35km, mb4.4/51, MS3.3/1, Error ellipse: s-maj=5.2km s-min=4.0km az=19.0

NEIC 17 09:12:27.4±0.7, 26°42'N±141°17'E, h43km±6km, mb4.7/19, Error ellipse: s-maj=6.2km s-min=4.9km az=102.0

JMA 17 09:12:28.4±0.1, 26°46'N±141°36'E, h53km, M3.9, IDC 17 09:12:26.7±0.4, 26°44'N±141°17'E±0.06, h35km, n131, c15108/136, mb4.5/51, 5C-1D, Bonin Islands region

Main table of station data for the fifth section, including columns for Code, Station Name, Az, Phase ID, Time, Res, ISC.

Main table of station data for the sixth section, including columns for Code, Station Name, Az, Phase ID, Time, Res, ISC.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, ISC, Res. Includes stations like EDW2, GSC, GSC, GLA, GSC, Y12C, etc.

IDC 17 09:41:54.6.0.6,35:98N,26:95E,h0km,mb4,1/21, mb1.4,1/25,mb1mx4,0/62,mbtmp4,0/25,ML.8/4,MS2.9/3, Ms1 2.9/3,ms1mx2.5/54,Error ellipse: s-maj=17.3km s-min=10.5km az=155.0

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

Main table with columns: THT1, Athinios (Pele), 1.41 294, P, Pn, 09 42 22.0 0.0, etc.

Main table with columns: KORT, Korkuelli, 2.93 65, PN, Pn, 09 42 44.4 +1.3, etc.

Table of station data for the first section, including columns for call sign, name, frequency, and other parameters.

Table of station data for the second section, including columns for call sign, name, frequency, and other parameters.

Table of station data for the third section, including columns for call sign, name, frequency, and other parameters.





Table with columns: IDI, comp, S, Sn, Sb, 1300, 18.5, +3.3. Rows include stations like ANOYA, KASTELLORIZON, SIVAS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like H01W2, H01W1, H01W3, etc.

ISK 17 13:01:26.8, 35:21N-27:11E, h11km, ML3.3/6
DDA 17 13:01:27.3, 35:56N-27:09E, h6km, ML3.4
ATH 17 13:01:29.5, 35:46N-27:18E, h30km, ML3.4/8, Error

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like KARP, KARRP, KARRP, etc.

Table with columns: APE, comp, N, S, Sn, 1302, 23.2, 0. AML, AML. Rows include stations like APE, APE, APE, etc.

IDC 17 13:24:26.3:2.1, 1.87N-92:61E, h0km, mb3.6/4, mb1 3.9/4, mb1mx3.4/6, mbtmp3.6/4, Error ellipse: s-maj=98.7km

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

ATH 17 13:25:27.9, 40:20N-19:64E, h11km, 2km, ML2.7/6, Error
TIR 17 13:25:28.5, 40:15N-19:78E, h18km, Md3.2/6
CSEM 17 13:25:28.7, 0.6, 40:20N-19:66E, h2km, ML2.6, Error

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like SRN, SRN, SRN, etc.

IDC 17 13:26:37.5:0.7, 31:25Sx179:84E, h390km, 10km, mb3.2/6, mb1 3.4/7, mb1mx3.1/43, mbtmp.4/7, Error ellipse:



17d 14h

s-maj=18.9km s-min=15.0km az=109.0

WEL 17 13:26:44.1.0.8, 32°S, 6°W, 18.0W, 1.6, h332km, 12km  
ISC 17 13:26:37.9.0.8, 31°31'S, 0°08'17.9W, 0.1, h400km, n47,  
c196/57, mb3.5/6, Kermadec Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like Green Lake, Raoul Island, RAO, MXZ, KUZ, etc.

MAN 17 13:36:22.3, 16°14'N, 120°34'E, h1km, mb4.1, ML2.8, MS2.5, Luzon

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like BOLP, SCZP, BALP, etc.

NDI 17 13:39:18.3, 2.4, 28°37'N, 76°75'E, h12km, 11km, ML3.4, Northern India

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like NDI, KHET, KHEH, etc.

ISC 17 13:48:39.8, 0.9, 49°85'S, 110°60'E, h0km, mb3.9/7, mb1.4/1.8, mb1mx3.9/4.3, mbtmp4.0/8, ML1.8/1, Error ellipse: s-maj=40.1km s-min=17.6km az=107.0

ISC/JB 17 13:48:41.2, 0.9, 49°95'S, 0.1x110°7E, 0.4, h22km, mb3.9/7, Error ellipse: s-maj=34.2km s-min=13.1km az=16.8

ISC 17 13:48:43.2, 0.9, 49°95'S, 0.1x110°8E, 0.3, h22km, n14, c059/12, mb4.0/7, Southeast Indian Ridge

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like H01W2, H01W1, H01W3, etc.

2012 MAY

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like WRA, QSPA, SNA, etc.

ISC/JB 17 13:58:20.1, 0.6, 49°95'S, 0.1x110°8E, 0.3, h10km, mb4.0/8, MS3.6/14, Error ellipse: s-maj=27.8km s-min=11.6km az=21.8

ISC 17 13:58:20.5, 0.7, 49°82'S, 110°70'E, h0km, mb4.0/8, mb1.4/2.9, mb1mx4.0/4.3, mbtmp4.1/9, ML1.9/1, MS3.6/15, Ms1.3/6.15, ms1mx3.3/3.9, Error ellipse: s-maj=31.0km s-min=15.6km az=116.0

ISC 17 13:58:22.2, 0.7, 49°85'S, 0.1x110°7E, 0.2, h10km, n23, c086/14, mb4.0/8, MS3.5/14, Southeast Indian Ridge

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like H01W2, H01W1, H01W3, etc.

ISC/JB 17 14:06:50.1, 0.5, 49°87'N, 0°03'18.40'E, 0.03, h0km, Error ellipse: s-maj=4.2km s-min=2.6km az=14.0

IPEC 17 14:06:51.6, 0.2, 49°85'N, 18°53'E, h2km, 3km, ML2.2/3, Error ellipse: s-maj=2.2km s-min=1.1km az=161.0

CSEM 17 14:06:51.2, 0.2, 49°85'N, 18°45'E, h1km, ML2.8/13, Error ellipse: s-maj=5.0km s-min=3.2km az=9.0

PRU 17 14:06:52.1, 49°88'N, 18°45'E, h0km, Error ellipse: s-maj=13.0km s-min=8.7km az=169.0 15 km NNW of Ostrava Suspected Mining induced.

ISC 17 14:06:51.4, 0.8, 49°83'N, 0°03'18.48'E, 0.02, h0km, n35, c074/6, 4D, Czech and Slovak Republics

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like OKK, MORC, OJC, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like KSP, KSP, KSP, etc.

NNC 17 14:16:09.8, 5.1, 37°84'N, 71°56'E, h0km, mb3.7, mpv3.3, Error ellipse: s-maj=39.4km s-min=34.2km az=5.0

ISC 17 14:16:08.1, 4.0, 37°6N, 02°72.0E, 0.1, h10km, n11, c194/6/14, 2C-50, Tajikistan

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like SFK, AML, MNAS, etc.

ISC 17 14:22:57.6, 2.3, 0.24S, 132°65'E, h0km, mb3.4/2, mb1.3/6.4, mb1mx3.3/6.0, mbtmp3.4/4, ML3.3/1, MS3.5/1, Ms1.3/5.1, ms1mx2.4/2.6, Error ellipse: s-maj=95.1km s-min=25.4km az=77.0

DJA 17 14:23:03.7, 1.5, 1°S, 7°13'2E, h20km, 12km, M3.5/5, MLV3.5/5

ISC 17 14:23:02.4, 1.4, 0.28S, 0°10'132.3E, 0.1, h33km, n8, c183/9, Irian Jaya region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like RKPI, FAKI, FAKI, etc.

ISC 17 14:27:55.7, 9.6, 7.44S, 129°92'E, h104km, 79km, mb3.4/1, mb1.3/3.4, mb1mx3.0/5.3, mbtmp3.5/4, ML3.5/3, Error ellipse: s-maj=68.6km s-min=54.3km az=17.0, Banda Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like FITZ, FITZ, WRA, etc.

ISC/JB 17 14:35:06.8, 1.0, 36°52'N, 0°05'142°91'E, 0.07, h29km, mb3.4/3, Error ellipse: s-maj=9.2km s-min=5.9km az=27.7

JMA 17 14:35:07.5, 0.2, 36°46'N, 142°89'E, h53km, M3.1, IDC 17 14:35:12.3, 1.6, 37°08'N, 142°22'E, h0km, mb3.4/3, mb1.3/5.0, mb1mx3.2/6.5, mbtmp3.4/5, ML3.2/2, Error ellipse: s-maj=44.4km s-min=22.9km az=83.0

ISC 17 14:35:08.9, 2.2, 36°55'N, 0°08'142°92'E, 0.1, h29km, n19, c1935/24, mb3.3/3, Off east coast of Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like ONAJ, JHO, JFT, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HFS Hagfors, TIXI Tiksi, KLR Kul'dur, etc.

ISCJB 17 15:48:03.4-0.4, 59.74N-02:24:62E, h0km, Error ellipse: s-maj=3.9km s-min=3.4km az=11.0

CSEM 17 15:48:04.2-0.2, 59.71N-24:60E, h2km, ML2.5/4, Error ellipse: s-maj=6.0km s-min=4.3km az=96.0, Mining explosion.

HEL 17 15:48:05.0-0.1, 59.69N-24:60E, h0km, ML1.5, Explosion

ISC 17 15:48:03.8-0.7, 59.68N-02:24:61E, h0km, n30, r152/50, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MEF Metsahovi, ARBE Arbavere, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FIAO FINESS Array S, RAU Rauma, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AAL Aland, SLIT Slitere, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KEF Keuruu, HEM Hemsoen, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HFS Hagfors, NOA Norsars Array B, etc.

NNC 17 15:53:42.4-2.9, 37.98N-71:48E, h0km, mb3.6, mpv3.2, 3C-3D, Error ellipse: s-maj=22.8km s-min=19.6km az=10.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SFK Sufi-Kurgan, MNAS Manas, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KK31 Karatay Array, TKM2 Tokmak, etc.

DJA 17 16:02:51.3-0.7, 0.5S-6:13'2E, h99km, M3.6/6, MLV3.6/6

ISC 17 16:02:51.3-1.4, 0.45S-132:00E, h0km, mb3.4/3, mb1 3.6/5, mb1mx3.6/50, mbtmp3.4/5, ML3.5/2, Error ellipse: s-maj=26.3km s-min=18.8km az=107.0

ISCJB 17 16:02:54.2-0.9, 0.38S-0:08-131:86E, h0km, n3, mb3.4/3, Error ellipse: s-maj=13.9km s-min=10.3km az=149.2

ISC 17 16:02:56.3-1.2, 0.54S-0:09-131:98E, h0km, n3, r152/11, mb3.4/3, Irian Jaya region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

ISCJB 17 16:05:40.2-1.2, 0.4S-0:1-132:02E, h31km, mb3.5/2, Error ellipse: s-maj=14.5km s-min=8.2km az=2.5

ISC 17 16:05:41.7-8.1, 0.46S-131:98E, h33km, M3.6/4, mb1 3.6/4, mb1mx3.2/49, mbtmp3.6/4, ML3.5/2, Error ellipse: s-maj=38.9km s-min=25.6km az=55.0

DJA 17 16:05:42.2-1.4, 1.5S-6:13'2E, h18km, M3.6/4, MLV3.6/4

ISC 17 16:05:41.5-1.3, 0.42S-0:09-131:96E, h31km, n7, r152/11, Irian Jaya region

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

ISC 17 16:06:23.3-1.1, 11:80N-141:70E, h0km, mb3.5/8, mb1 3.6/7, mb1mx3.6/57, mbtmp3.6/8, MS2.9/4, Ms1 2.9/4, ms1mx2.5/42, Error ellipse: s-maj=36.3km s-min=21.7km az=89.0

ISCJB 17 16:06:28.5-0.9, 11:81N-0:1-141:6E, h51km, mb3.5/8, MS2.8/4, Error ellipse: s-maj=31.4km s-min=18.1km az=179.9

ISC 17 16:06:30.3-1.1, 11:38N-0:2-141:6E, h51km, n12, r152/11, mb3.5/8, MS2.7/4, Western Caroline Islands

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KURBB Kurchatov Arr, BVAR Borovoye Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ILAR Eielson Arr, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KEF Keuruu, ERMK Ermenek, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KMER Konya-Merem, GAZI Gazipasa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KEF Keuruu, ERMK Ermenek, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LADK Ladik-KONYA, TEKE Tekeli-Mersin, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SUTC Sutluce-Ispart, SUTC Sutluce-Ispar, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DOGA KONYA Doganhis, GULN MERSIN, etc.

n29, r158/31, mb3.5/7, MS3.3/3, Near east coast of eastern Honshu

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JOM Ohasama, JOM Kuzumaki, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JANG Nango, JANG Matushiro Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MAT Matushiro, MAT Asahikawa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JHJ Asahikawa, SEY Seiyun, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H112 WAKE ISLAND Hy, H111 WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H113 WAKE ISLAND Hy, H112 WAKE ISLAND Hy, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ILAR Eielson Arr, BVAR Borovoye Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ASAR Alice Springs, AKASG Malin Array B, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MMAI Mount Meron Arr, ISK 17 16:13:06.4-3.7, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ISK 17 16:13:07.0-0.6, CSEM 17 16:13:07.2-0.2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ISK 17 16:13:07.7-1.1, DDA 17 16:13:07.2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ISK 17 16:13:06.4, KEF Keuruu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KEF Keuruu, ERMK Ermenek, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OCLP Ormoc, MSLP Maasin, MSLP Virac.

ISCJB 17 17:41:03.0.4.56.51N.0.03:23.48E.0.05,h0km, Error ellipse: s-maj=5.1km s-min=2.7km az=147.0

CSEM 17 17:41:04.0.2.58.48N.23.54E,h2km,ML1.8, Error ellipse: s-maj=5.8km s-min=3.0km az=148.0,Mining explosion.

HEL 17 17:41:05.0.0.1.58.49N.23.48E,h0km,ML1.8, ML2.0(UPP), Explosion

UPP 17 17:41:06.0.2.1.58.55N.23.28E,h0km,ML2.0

IDC 17 17:41:07.4.2.58.58N.23.59E,h0km,mb1 3.1/4, mb1mx2.8/69,mbtmp3.0/4,ML2.3/4, Error ellipse: s-maj=26.4km s-min=8.9km az=151.0

ISC 17 17:41:07.0.9.58.58N.0.03:23.52E.0.03,h0km,n75, c1992/101,Baltic States-Belarus-Northwestern Russia

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PVF Pernaja, PVF Pernaja, AAL Aland, AAL Aland, etc.

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

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

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

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

IDC 17 18:20:51.8.1.2.3.33N.92.82E,h0km,mb3.9/8, mb1 4.0/11,mb1mx3.6/70,mbtmp3.9/11,ML3.8/2, Error ellipse: s-maj=11.9km s-min=18.2km az=43.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BSI Banda Aceh, BSI Meulaboh, BSI Meulaboh, etc.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OMAN 17 19:32:05.4.2.9.27.50N.53.51E,h5km, Error ellipse: s-maj=31.6km s-min=14.9km az=147.0

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

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

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

Table with columns for station name, frequency, power, and other technical details. Includes stations like AJN, MDH, UOSS, IPAR, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MNAS, ANN, AB31, AAK, etc.

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

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, and Res. Includes stations like TIR, PHP, etc.

Text block containing technical data and coordinates: IDC 17:49:25.2, 0.5, 12.68Sx166.36E, h0km, mb4.6/26, etc.

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, and Res. Includes stations like HNR, DZM, etc.

Table with columns: EIDS, Location, Time, Status, and other details. Includes entries like Eidsvold, Charters Tower, Charters Tower, etc.

Table with columns: QZHX, Location, Time, Status, and other details. Includes entries like QZHX, Asahikawa, Asahikawa, etc.

Table with columns: CD2, Location, Time, Status, and other details. Includes entries like CD2, Baotou, Seymchan, etc.









Table with columns: Name, Frequency, Bandwidth, Modulation, Power, SNR, and other technical parameters. Includes stations like BNDS Bandar-Abbas, UMUQ Umm Al-Quwain, SHME Shamm, etc.

Table with columns: Name, Frequency, Bandwidth, Modulation, Power, SNR, and other technical parameters. Includes stations like SHAO Shalim, RBK Rabat, ABTO Aybut, etc.

Table with columns: Name, Frequency, Bandwidth, Modulation, Power, SNR, and other technical parameters. Includes stations like NIL Nilore, DARE Darend-Malaty, KUTLU YUREGIR, etc.

Table with columns for station call letters, frequency, and other identifiers. Includes stations like KSH, ANN, KORT, KURB, etc.

Table with columns for station call letters, frequency, and other identifiers. Includes stations like ZHN, PYUN, KPKS, UZB, etc.

Table with columns for station call letters, frequency, and other identifiers. Includes stations like MAKZ, ARR, MK01, MK31, etc.













17d 23h

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

UPP 17 23:21:44.8, 67.83N:20.19E, h0km, ML1.4, Mining explosion.
CSEM 17 23:21:44.5, 0.1, 67.81N:20.21E, h1km, 2km, ML1.4, Error ellipse: s-maj=7.6km s-min=3.1km az=177.0, Mining explosion.

HEL 17 23:21:45.0, 0.1, 67.81N:20.21E, h0km, ML1.4, (UPP), Explosion, Sweden

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

ISCJB 17 23:35:05.9, 0.7, 67.45N:0.04:33.8E:0.1, h0km, mb3.7/1, Error ellipse: s-maj=6.8km s-min=5.4km az=160.6

HEL 17 23:35:06.9, 0.4, 67.61N:34.05E, h0km, ML2.3, Explosion KOLA 17 23:35:08.1, 67.65N:33.88E, h0km

IDC 17 23:35:08.9, 1.2, 67.63N:33.74E, h0km, mb3.9/1, mb1.3/6.4, mb1mx3.1/68, mb3mx3.6/4, ML2.9/3, Error ellipse: s-maj=15.7km s-min=10.0km az=63.0

ISC 17 23:35:06.1, 1.1, 67.53N:0.04:33.8E:0.07, h0km, n16, 1572/28, Baltic Sea-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like APA, Apatity, AP40, etc.

IDC 17 23:50:02.6, 0.4, 2.66S:121.90E, h0km, mb4.4/3, mb1.4/5/3, mb1mx4.4/6/1, mb1mp4.4/3/3, ML4.0/3, MS3.9/35, Ms1.4/0/35, ms1mx3.9/47, Error ellipse: s-maj=16.5km

2012 MAY

s-min=8.7km az=61.0
BUJ 17 23:50:02.6, 0.3, 26S:122.28E, h47km, mb4.7/34, mb4.8/23, Ms4.4/23, Ms7.4/20
NEIC 17 23:50:04.6, 0.2, 2.64S:121.98E, h10km, mb4.8/28, Error ellipse: s-maj=7.2km s-min=4.5km az=60.0

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

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SONM, SONGINO, KLR, WKHO, WMQ, KASHI, KASH, KDJ, MK01, MK31, MKAR, MKAF, MAZK, MAZK2, KBL, PETK, YAK, YAK2, YAK3, YAK4, YAK5, MA2, WSAR, SEY, SEY2, SEY3, SEY4, SEY5, SEY6, SEY7, SEY8, SEY9, SEY10, SEY11, SEY12, SEY13, SEY14, SEY15, SEY16, SEY17, SEY18, SEY19, SEY20, SEY21, SEY22, SEY23, SEY24, SEY25, SEY26, SEY27, SEY28, SEY29, SEY30, SEY31, SEY32, SEY33, SEY34, SEY35, SEY36, SEY37, SEY38, SEY39, SEY40, SEY41, SEY42, SEY43, SEY44, SEY45, SEY46, SEY47, SEY48, SEY49, SEY50, SEY51, SEY52, SEY53, SEY54, SEY55, SEY56, SEY57, SEY58, SEY59, SEY60, SEY61, SEY62, SEY63, SEY64, SEY65, SEY66, SEY67, SEY68, SEY69, SEY70, SEY71, SEY72, SEY73, SEY74, SEY75, SEY76, SEY77, SEY78, SEY79, SEY80, SEY81, SEY82, SEY83, SEY84, SEY85, SEY86, SEY87, SEY88, SEY89, SEY90, SEY91, SEY92, SEY93, SEY94, SEY95, SEY96, SEY97, SEY98, SEY99, SEY100.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MMAI, KLMM, BRTR, ILAR, AKASA, BOSHA, ARCES, FINES, SPITS, MLR, IDI, INK, SNA, PDAR, TORDI, ANMO, TXAR, PLCA, CPUP, LPAZ, LPZ, ISOCBJ, ISOCBJ2, ISOCBJ3, ISOCBJ4, ISOCBJ5, ISOCBJ6, ISOCBJ7, ISOCBJ8, ISOCBJ9, ISOCBJ10, ISOCBJ11, ISOCBJ12, ISOCBJ13, ISOCBJ14, ISOCBJ15, ISOCBJ16, ISOCBJ17, ISOCBJ18, ISOCBJ19, ISOCBJ20, ISOCBJ21, ISOCBJ22, ISOCBJ23, ISOCBJ24, ISOCBJ25, ISOCBJ26, ISOCBJ27, ISOCBJ28, ISOCBJ29, ISOCBJ30, ISOCBJ31, ISOCBJ32, ISOCBJ33, ISOCBJ34, ISOCBJ35, ISOCBJ36, ISOCBJ37, ISOCBJ38, ISOCBJ39, ISOCBJ40, ISOCBJ41, ISOCBJ42, ISOCBJ43, ISOCBJ44, ISOCBJ45, ISOCBJ46, ISOCBJ47, ISOCBJ48, ISOCBJ49, ISOCBJ50, ISOCBJ51, ISOCBJ52, ISOCBJ53, ISOCBJ54, ISOCBJ55, ISOCBJ56, ISOCBJ57, ISOCBJ58, ISOCBJ59, ISOCBJ60, ISOCBJ61, ISOCBJ62, ISOCBJ63, ISOCBJ64, ISOCBJ65, ISOCBJ66, ISOCBJ67, ISOCBJ68, ISOCBJ69, ISOCBJ70, ISOCBJ71, ISOCBJ72, ISOCBJ73, ISOCBJ74, ISOCBJ75, ISOCBJ76, ISOCBJ77, ISOCBJ78, ISOCBJ79, ISOCBJ80, ISOCBJ81, ISOCBJ82, ISOCBJ83, ISOCBJ84, ISOCBJ85, ISOCBJ86, ISOCBJ87, ISOCBJ88, ISOCBJ89, ISOCBJ90, ISOCBJ91, ISOCBJ92, ISOCBJ93, ISOCBJ94, ISOCBJ95, ISOCBJ96, ISOCBJ97, ISOCBJ98, ISOCBJ99, ISOCBJ100.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like mb1, mb2, mb3, mb4, mb5, mb6, mb7, mb8, mb9, mb10, mb11, mb12, mb13, mb14, mb15, mb16, mb17, mb18, mb19, mb20, mb21, mb22, mb23, mb24, mb25, mb26, mb27, mb28, mb29, mb30, mb31, mb32, mb33, mb34, mb35, mb36, mb37, mb38, mb39, mb40, mb41, mb42, mb43, mb44, mb45, mb46, mb47, mb48, mb49, mb50, mb51, mb52, mb53, mb54, mb55, mb56, mb57, mb58, mb59, mb60, mb61, mb62, mb63, mb64, mb65, mb66, mb67, mb68, mb69, mb70, mb71, mb72, mb73, mb74, mb75, mb76, mb77, mb78, mb79, mb80, mb81, mb82, mb83, mb84, mb85, mb86, mb87, mb88, mb89, mb90, mb91, mb92, mb93, mb94, mb95, mb96, mb97, mb98, mb99, mb100.



18d 1h

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC. Includes stations like YKA Yellowknife Ar, KDAK Kodiak Island, PDAR Pinedale Array, etc.

ISCJB 18 01:00:17.2-0.3, 75.20N, 0.03-120.5W, 0.1, h10km, mb4.1/18, Error ellipse: s-maj=5.0km s-min=3.8km

Main table of seismic events with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC. Lists numerous stations and event details.

2012 MAY

Table with columns: ILB, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC. Lists stations like Eielson Array, Baker Lake, Wager Bay, etc.

NIED 18 01:01:00.26-20N, 128.80E, h14km Mw4.7 Best double couple: M1: 16000-1016 NP1: 206.00000, 837.00000, 1.74.00000, NP2: 46.00000, 854.00000, 1.102.00000

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Table with columns: JTT3, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC. Lists stations like Tamagusuku3, Iheya, Okinoerabujima, etc.



18d 1h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H06E1, NNA, MEX 18 01:12:30.9,0.5, 1639N-98.70W, etc.

ISCJJB 18 01:16:08.9,0.7, 8.9N,0.1x58.17E:0.07, h11km, mb4.3/31, MS3.5/10, Error ellipse: s-maj=15.3km s-min=9.2km az=170.8

IDC 18 01:16:09.3,1.1, 8.98N,58.25E, h0km, mb4.1/15, mb1.4/2.15, mb1mx3.8/7.1, mbtmp4.1/15, MS3.5/12, Ms1.3/12, ms1mx3.1/59, Error ellipse: s-maj=28.2km s-min=16.9km az=144.0

CSEM 18 01:16:10.9, 8.97N,58.23E, h10km, mb4.4/10, NEIC 18 01:16:10.8,0.7, 8.97N,58.23E, h10km, mb4.4/10, Error ellipse: s-maj=15.1km s-min=9.1km az=144.0

ISC 18 01:16:11.5, 0.8, 9.1N,0.1x58.2E:0.1, h11km, n77, c=172/71, mb4.4/31, MS3.5/10, 4C-7D, Carlsberg Ridge

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations like WSAR, ATD, RAYN, H08N2, etc.

2012 MAY

Table with columns: HHC, Hu-ho-hao-te, 56.66 47 eP, P, 01 25 55.8 +0.7, SENIN, Lac Lenin/Sane, 57.03 320 eP, P, 01 25 57.7 0.0, etc.

NIED 18 01:23:00, 38.90N, 141.70E, h23km, Mw4.1 Best double couple: M1.63000, 10.15 NP1.9x49.00000, d58.00000, lambda=16.00000, NP2.0x148.00000, b76.00000, lambda=147.00000

ISCJJB 18 01:23:28.8,0.5, 38.86N,0.03:141.64E:0.07, h79km, 3km, mb3.8/7, Error ellipse: s-maj=9.2km s-min=4.7km az=18.6 JMA 18 01:23:29.7, 38.86N:141.60E, h75km, 1km, MS3

ISC 18 01:23:29.6, 0.8, 38.85N,0.04:141.65E:0.06, h72km, 6km, n11, c=976/39, mb4.0/7, 8C-2D, Near east coast of eastern Honshu

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations like OFUJ, JMK, JIO, JOM, JOU, etc.

ISC 18 01:44:39.7, 1.0, 38.30N,0.03:43.98E:0.04, h6km, n36, c=079/44, Turkey

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

ISC 18 01:47:24.0, 2.8, 56S, 0.09:177.6W:0.1, h57km, mb4.0/7, Error ellipse: s-maj=17.6km s-min=11.9km az=14.0

IDC 18 01:47:24.8, 6.5, 28.44S:177.59W, h33km, 47km, mb4.0/6, mb1.4/3.6, mb1mx3.8/4.1, mbtmp4.2/6, MS3.3/2, Ms1.3/3.2, ms1mx2.8/4.4, Error ellipse: s-maj=30.3km s-min=24.3km az=33.0

NEIC 18 01:47:26.6, 2.0, 28.59S:177.61W, h52km, 17km, mb4.3/1, Error ellipse: s-maj=21.3km s-min=15.9km az=20.0

ISC 18 01:47:27.4, 0.7, 28.78S, 0.10:177.57W, h2.0, h57km, n41, c=154/29, mb4.1/7, Kermadec Islands region

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations like RAO, RAO, RAO, URZ, URZ, etc.

ATA 18 01:44:38.0, 0.7, 38.29N,44.00E, h15km, 8km, ML3.3, MW3.4

ISK 18 01:47:52.9, 39.45N,27.89E, h4km, ML3.3, 7/25

ellipse: s-maj=1.6km s-min=1.5km az=167.0  
DDA 18 01:47:53.1, 39.46N, 27.90E, h7km, ML4.0  
The 18 01:47:54.0, 39.46N, 27.90E, h0km, 2km, ML3.5/4, Error

ellipse: s-maj=4.3km s-min=1.4km az=70.0  
ISC 18 01:47:54.0, 0.8, 39.45N, 0.01, 27.91E, 0.01, h15km, 5km,  
n191, 0.09, 93/233, 9C-14D, Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like BALIKESIR\_Sava, Balikesir, Balya, Dursunbey, etc.

Table with columns: AUBOZ, GOKC, ADVT, GADA, GADA, GADA, etc. Lists stations like BOZOYUK, Gokceada-Canak, Abdulvahap, Gvigeada, etc.

NNC 18 01:50:42.3, 1.9, 38.55N, 70.26E, h0km, mb3.8, mpv3.6,  
Error ellipse: s-maj=20.5km s-min=9.0km az=156.0  
ISCJB 18 01:50:44.6, 1.3, 38.58N, 0.10, 70.09E, 0.09, h23km, Error  
ellipse: s-maj=14.7km s-min=9.6km az=158.3  
ISC 18 01:50:45.4, 2.2, 38.6N, 0.1, 69.99E, 0.07, h23km, n12,  
0.080/16, 5C-8D, Tajikistan

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like DZherino, SFK, MNAS, AML, KK31, UCH, AAK, AAK, KZA, KBK, TKM2, etc.

ISC 18 02:00:36.0, 0.4, 44.91S, 80.61W, h0km, mb4.9/24,  
mb1.5/24, mb1mx4.9/40, mbtmp4.9/24, ML6.0/1, MS5.6/25,  
Ms1.5, 6/25, ms1mx5.5/30, Error ellipse: s-maj=16.2km  
s-min=12.4km az=93.0

GUC 18 02:00:36.2, 0.6, 44.81S, 80.59W, h10km, MW6.3(NEIC)  
GCMT 18 02:00:39.5, 0.1, 44.90S, 80.51W, h21km, MW6.3/149,  
Moment Tensor Solution. s149.c359; s149.c614;  
Duration: 36 Moment tensor: Scale 10^18Nm;  
Mn=0.26±.02; Mw=1.60±.02; Mo=1.34±.02; Mo0.4±.04;  
Mo=3.85±.02; Mw=0.10±.04; Best double couple:  
M=1.4500x10^18 Np1=79.00000; 888.00000;  
1.74.00000; Np2=170.00000; 894.00000; 2.000000;  
Principal axes: T 4.2910, P165.0000, Azm34.0000;  
-0.2910, P164.0000, Azm240.0000; P -3.9990,  
Plg3.0000, Azm125.0000; nsta1 refers to body waves,  
cutoff=40s. nsta2 refers to surface/mantle waves,  
cutoff=50s.

double couple: M3.34000x10^18 Np1=260.00000,  
885.00000, λ=180.00000, NP2=170.00000,  
890.00000, λ=5.00000. Principal axes: T 3.4000,  
Plg3.0000, Azm215.0000; N 0.2000, Plg85.0000,  
Azm349.0000; P -3.4300, Plg4.0000, Azm125.0000;  
NEIC Felt [III] at Quellan and [II] at Castro.  
BUJ 18 02:00:40.0, 44.50S, 80.20W, h10km, mb5.4/35, MS6.2/43,  
Ms7.6/32  
NEIC 18 02:00:41.0, 0.0, 44.79S, 80.35W, h11km, Moment Tensor  
Solution. s18 Moment tensor: Scale 10^18Nm; Mn=0.23;  
Mw=1.76; Mw=1.55; Mw0.29; Mw=2.79; Mw0.36; Best  
double couple: M3.30000x10^18 Np1=255.00000,  
884.00000, λ=172.00000, NP2=165.00000,  
883.00000, λ=5.00000. Principal axes: T 3.3600,  
Plg1.0000, Azm299.0000; N -0.1600, Plg80.0000,  
Azm292.0000; P -3.2000, Plg9.0000, Azm119.0000;  
ISCJB 18 02:00:41.1, 0.2, 44.75S, 0.04, 80.28W, 0.04, h33km,  
mb5.3/190, MS5.8/170, Error ellipse: s-maj=5.4km  
s-min=3.9km az=177.2  
MOS 18 02:00:42.8, 1.9, 44.47S, 80.18W, h33km, mb5.5/51,  
MS5.7/23, Error ellipse: s-maj=13.8km s-min=7.2km  
az=87.0

ISC 18 02:00:43.7, 0.2, 44.84S, 0.05, 80.46W, 0.05, h35km, n904,  
0.09/828, mb5.4/190, MS5.7/170, 21C-13D, Off coast of  
southern Chile

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like Milladeo Hill, Coyhaique, Cochrane, etc.

NNC 18 01:50:42.3, 1.9, 38.55N, 70.26E, h0km, mb3.8, mpv3.6,  
Error ellipse: s-maj=20.5km s-min=9.0km az=156.0  
ISCJB 18 01:50:44.6, 1.3, 38.58N, 0.10, 70.09E, 0.09, h23km, Error  
ellipse: s-maj=14.7km s-min=9.6km az=158.3  
ISC 18 01:50:45.4, 2.2, 38.6N, 0.1, 69.99E, 0.07, h23km, n12,  
0.080/16, 5C-8D, Tajikistan

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like Cerro Valdivia, ZON, ACAN, RTLL, etc.

18d 2h

Table with columns for call sign, frequency, power, and other technical details. Includes call signs like QSPA, PTGA, RKT, NVL, ROSC, RUSC, HELC, SBA, VNSA, BCIP, SDV, RCBR, JTS, JCS, PCRV, SYO, GRGR, TBI, APG, SVB, BBGH, MTJD, TVO, TIAR, PAE, PPT2, PPT, VAH, PMOR, OBIP, SJG, SJG, SDD, SDD, CBYP, ANWB, MAW, LVIG, GRTK, ASCN, RAR, RAR, RAR, SHEL, SHEL, MIR.

2012 MAY

Table with columns for call sign, frequency, power, and other technical details. Includes call signs like MIR, CASY, SNZO, LNIG, 058A, 959A, 958A, URZ, 859A, 858A, 857A, 757A, KVTX, 655A, 557A, 554A, 552A, 553A, 833A, HPIC, RAO, RAO, RAO, 456A, 454A, 454A, 451A, 455A, 453A, SUR, 452A, 446A, 448A, HKT, HKT, 445A, 444A, 352A, 349A, 350A, 351A, 348A, 347A, 345A, 246A, 344A, 252A, 242A, 240A, 249A, 341A, 251A, TXAR, TXAR, TX31, 248A, 435B, 435B, 247A, 245A, JCT, JCT, JCT, 244A, 151A, 153A, 150A, 242A, 149A, NATX.

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Table with columns for call sign, frequency, power, and other technical details. Includes call signs like NATX, 241A, 148A, 240A, 147A, 146A, 145A, NHSC, 144A, 142A, LRLAL, LRLAL, 143A, Z49A, Z50A, 141A, GOGA, GOGA, GOGA, Z47A, WHTX, WHTX, 140A, Z46A, Z48A, BBSR, Z44A, Z45A, Y50A, Y49A, Z41A, Z41A, Y48A, Y47A, Y46A, JSC, JSC, Y45A, SACV, Y44A, Y43A, Y42A, ABTX, ABTX, CCAR, Y41A, X48A, X49A, X47A, X45A, Y40A, X46A, OXF, OXF, OXF, X44A, BG3, MNTX, MNTX, MNTX, X43A, X43A, X42A, GD2, CNNC, CNNC, X40A, X40A, W48A, SWET, MIAR, MIAR, MIAR, MIAR, X39A.

W47A	Westpoint	79.78 354	P	P	02 12 47.8	0.0
CPCT	Cooper Cave	79.80 357	eP	P	02 12 47.1	-0.9
W45A	Hickory Valley	79.82 353	P	P	02 12 48.0	0.0
TKL	Tuckaleechee C	79.98 357	P	P	02 12 46.9	-2.0
319A	Douglas	80.09 335	eP	P	02 12 52.5	+2.8
W41B	Gary Mavity, V	80.16 350	P	P	02 12 49.2	-0.7
W41B	Gary Mavity, V	80.16 350	eP	P	02 12 50.2	+0.3
V48A	Smith Brothers	80.21 355	P	P	02 12 48.4	-1.8
WHAR	Woolly Hollow	80.28 350	eP	P	02 12 49.7	-0.8
W40A	Ferguson Farm,	80.28 350	P	P	02 12 49.4	-1.1
W40A	Ferguson Farm,	80.28 350	eP	P	02 12 52.4	+1.9
NCAT	North Carolina	80.35 1	eP	P	02 12 50.9	0.0
V47A	Nunnelly	80.35 354	P	P	02 12 48.3	-2.6
V46A	Holladay	80.37 354	P	P	02 12 48.1	-2.9
V45A	Humboldt	80.38 353	P	P	02 12 50.2	-0.9
W39A	Magazine	80.38 349	P	P	02 12 50.7	-0.4
W39A	Magazine	80.38 349	eP	P	02 12 50.8	-0.2
V44A	Blytheville	80.55 352	P	P	02 12 51.3	-0.7
BOSA	Boshof	80.58 121	P	P	02 12 51.2	-1.6
BOSA	Boshof	80.58 121	P	LR	02 45 08.2	
BOSA	Boshof	80.58 121	eP	P	02 12 52.3	-0.5
WVT	Waverly	80.67 354	P	P	02 12 52.2	-0.4
WVT	Waverly	80.67 354	eP	P	02 12 52.4	-0.2
WVT	Waverly	80.67 354	eP	pmx	02 12 52.4	-0.2
WVT	Waverly	80.67 354	eP	pmx	02 12 52.4	-0.2
121A	Cookes Peak, D	80.74 337	P	P	02 12 53.4	+0.1
WMOK	Wichita Mounta	80.74 345	P	P	02 12 53.1	0.0
WMOK	Wichita Mounta	80.74 345	eP	P	02 12 51.2	-1.8
WMOK	Wichita Mounta	80.74 345	eP	LR		
WMOK	Wichita Mounta	80.74 345	eP	LR		
WMOK	Wichita Mounta	80.74 345	eP	pmx	02 12 51.3	-1.8
WMOK	Wichita Mounta	80.74 345	eP	pmx	02 12 51.3	-1.8
WMOK	Wichita Mounta	80.74 345	eP	MLR		
V41A	Mountainview	80.75 350	P	P	02 12 52.2	-0.9
MSTX	Muleshoe	80.83 341	P	P	02 12 53.3	-0.4
MSTX	Muleshoe	80.83 341	eP	P	02 12 55.3	+1.6
V40A	Witts Springs	80.85 350	P	P	02 12 53.3	-0.3
V40A	Witts Springs	80.85 350	eP	P	02 12 52.7	-0.9
TZTN	Tazewell	80.86 357	P	P	02 12 53.1	-0.5
TZTN	Tazewell	80.86 357	eP	P	02 12 51.4	-2.2
U46A	Springville	80.93 354	P	P	02 12 52.4	-1.6
U47A	Clarksville	80.94 354	P	P	02 12 52.3	-1.7
U45A	Rockin P Farm,	80.96 353	P	P	02 12 52.6	-1.6
U48A	Cassidy Pea, Po	80.96 355	P	P	02 12 52.4	-1.8
V39A	Pettigrew	80.99 349	P	P	02 12 52.1	-2.3
U44B	Burton Farm, H	81.00 353	P	P	02 12 52.8	-1.6
U43A	Rector	81.14 352	P	P	02 12 52.8	-2.3
U42A	Reviden	81.21 351	P	P	02 12 54.8	-0.7
U41A	Viola	81.28 351	P	P	02 12 55.1	-0.7
AFI	Afiamalau	81.30 259	LR	LR	02 41 31.2	
AFI	Afiamalau	81.30 259	P	P	02 13 10.0	+1.3
AFI	Afiamalau	81.30 259	P	LR		
TUL1	Leonard	81.37 347	P	P	02 12 55.7	-0.7
TUL1	Leonard	81.37 347	eP	P	02 12 55.6	-0.8
U40A	Yellville	81.40 350	P	P	02 12 56.1	-0.4
TUC	Tucson	81.41 334	P	P	02 12 55.7	-1.1
TUC	Tucson	81.41 334	eP	P	02 12 58.6	+1.8
TUC	Tucson	81.41 334	eP	LR		
TUC	Tucson	81.41 334	eP	pmx	02 12 58.6	+1.8
TUC	Tucson	81.41 334	eP	pmx	02 12 58.6	+1.8
TUC	Tucson	81.41 334	eP	MLR		
TUC	Tucson	81.41 334	eP	MLR		
AMTX	Amarillo	81.47 342	P	P	02 12 55.9	-1.1
AMTX	Amarillo	81.47 342	eP	P	02 12 59.0	+2.0
HHAR	Hobbs	81.47 349	eP	P	02 12 57.6	+0.7
BLA	Blacksburg	81.47	0	P	02 12 56.2	-0.7
BLA	Blacksburg	81.47	0	PFAKE	02 13 10.0	+1.3
BLA	Blacksburg	81.47	0	LR		
T47A	Sharon Grove	81.47 355	P	P	02 12 56.1	-0.7
U39A	Green Forest	81.51 349	P	P	02 12 56.4	-0.7
PBMO	Poplar Bluff	81.54 352	eP	P	02 12 55.7	-1.5
T48A	Bowling Green	81.55 355	P	P	02 12 56.5	-0.7
T46A	Princeton	81.58 354	P	P	02 12 55.7	-1.7
214A	Organ Pipe Nat	81.73 333	P	P	02 12 58.1	-0.3
T43A	Greenville	81.83 352	P	P	02 12 57.9	-0.8
T42A	Van Buren	81.86 351	P	P	02 12 58.6	-0.3
T41A	Mountain View	81.95 351	P	P	02 12 59.4	0.0
BNM	Barren Site	81.95 338	eP	P	02 13 01.7	+1.9
S48A	Wiedeman Farm,	82.08 356	P	P	02 12 59.1	-0.9
LPM	Los Pinos Moun	82.10 338	eP	P	02 13 02.5	+2.0
T39A	Cleaver	82.12 350	P	P	02 12 59.3	-1.0
T40A	Manfield	82.14 350	P	P	02 12 59.6	-0.9
IP07	Quail	82.21	2	eP	02 13 01.6	+0.9
S46A	Don Dixon Farm	82.21 354	P	P	02 12 60.0	-0.7
IP06	Yanceyville	82.22	2	eP	02 12 59.8	-1.0
IP01	Cuckoo	82.25	2	eP	02 13 00.2	-0.7
T38A	Diamond	82.26 349	P	P	02 13 01.0	0.0
S45A	Carrier Mills	82.27 354	P	P	02 13 00.0	-1.0
T45A	Tsumeb	82.27 109	P	P	02 12 59.4	-2.5
TSUM	Tsumeb	82.27 109	eP	P	02 13 00.4	-1.4

TSUM	comp=Z,7um,19.0s	82.30 352	P	P	02 12 59.5	-1.7
S43A	Fulton Ridge,	82.31	2	eP	02 13 00.8	-0.4
IP03	Louisiana	82.32	2	eP	02 13 00.9	-0.4
SPRD	Spring Road, M	82.32	2	eP	02 13 00.9	-0.4
LAZ	Laurel	82.32 338	eP	P	02 13 03.8	+2.2
S44A	Carbondale	82.34 353	P	P	02 12 60.0	-1.4
SIUC	Southern Illin	82.36 353	eP	P	02 13 01.8	+0.3
CVRD	Centerville Ro	82.36	2	eP	02 13 03.2	+1.7
IP04	Greensprings	82.38	2	eP	02 13 01.2	-0.4
S41A	Jillco Farms,	82.48 351	P	P	02 13 00.5	-1.7
USIN	University of	82.48 354	eP	P	02 13 00.4	-1.7
CBN	Corbin Frederi	82.51	2	eP	02 13 01.0	-1.2
CBN	Corbin Frederi	82.51	2	eP	02 13 02.2	-0.1
CBN	Corbin Frederi	82.51	2	eP	02 13 02.2	-0.1
S42A	Caledonia	82.56 352	P	P	02 13 00.4	-2.1
S40A	Lebanon	82.58 350	P	P	02 13 02.6	-0.1
ANMO	Albuquerque	82.66 339	eP	P	02 13 02.1	-1.3
ANMO	Albuquerque	82.66 339	eP	P	02 13 04.8	+1.4
ANMO	Albuquerque	82.66 339	eP	LR		
ANMO	Albuquerque	82.66 339	eP	LR		
ANMO	Albuquerque	82.66 339	eP	pmx	02 13 01.6	-1.8
ANMO	Albuquerque	82.66 339	eP	pmx	02 13 01.6	-1.8
WCI	Wyandotte Cave	82.66 355	P	P	02 13 01.7	-1.3
WCI	Wyandotte Cave	82.66 355	eP	P	02 13 02.6	-0.4
WCI	Wyandotte Cave	82.66 355	eP	pmx	02 13 02.6	-0.4
WCI	Wyandotte Cave	82.66 355	eP	pmx	02 13 02.6	-0.4
R46A	Gibson Southern	82.72 354	P	P	02 13 01.2	-2.1
FVM	French Village	82.74 352	eP	P	02 13 04.3	+0.8
FVM	French Village	82.74 352	eP	pmx	02 13 04.3	+0.8
FVM	French Village	82.74 352	eP	pmx	02 13 04.3	+0.8
R47A	Woolly Knot Far	82.74 355	P	P	02 13 01.0	-2.4
S39A	Bolivar	82.77 350	P	P	02 13 02.1	-1.5
S38A	Stockton	82.79 349	P	P	02 13 01.7	-2.1
R48A	Northridge Ran	82.81 356	P	P	02 13 01.5	-2.3
R45A	Skylar, Fairir	82.86 354	P	P	02 13 01.9	-2.1
R44A	Waltonville	82.88 353	P	P	02 13 02.2	-2.0
CCM	Cathedral Cave	82.89 351	P	P	02 13 02.6	-1.7
CCM	Cathedral Cave	82.89 351	eP	P	02 13 02.9	-1.4
CCM	Cathedral Cave	82.89 351	eP	pmx	02 13 02.9	-1.4
CCM	Cathedral Cave	82.89 351	eP	pmx	02 13 02.9	-1.4
TAU	Tasmania Unive	82.96 213	PFAKE	LR	02 13 20.0	+1.5
R43A	Red Bud	82.98 353	P	P	02 13 02.7	-2.0
R42A	Luebbering	83.07 352	P	P	02 13 03.6	-1.5
R41A	Rosebud	83.15 351	P	P	02 13 02.5	-3.1
R40A	Maddies Statio	83.24 351	P	P	02 13 03.8	-2.2
OLIL	Olney	83.28 354	eP	P	02 13 06.7	+0.4
R38A	Fenwick Farm,	83.34 349	P	P	02 13 03.3	-3.2
R39A	Chumby, Stover	83.35 350	P	P	02 13 05.4	-1.3
Q47A	Bedord North L	83.37 355	P	P	02 13 05.4	-1.3
LBTB	Labatse	83.38 119	P	P	02 13 03.7	-3.8
LBTB	Labatse	83.38 119	eP	P	02 13 06.3	-1.2
GLA	Glamis	83.41 331	P	P	02 13 06.1	-1.0
Q45A	Warren Harvey,	83.44 354	P	P	02 13 05.8	-1.3
Q44A	Meyer Farm, Va	83.52 353	P	P	02 13 07.2	-0.3
X16A	Lo Mia Camp, P	83.57 335	eP	P	02 13 10.2	+2.1
BLO	Bloomington	83.61 355	eP	P	02 13 08.3	+0.3
BLO	Bloomington	83.61 355	eP	pmx	02 13 08.3	+0.3
BLO	Bloomington	83.61 355	eP	pmx	02 13 08.3	+0.3
Q43A	New Douglas	83.62 353	P	P	02 13 08.0	0.0
Y14A	Wickenburg	83.62 333	eP	P	02 13 10.1	+1.9
Q42A	Golden Eagle	83.67 352	P	P	02 13 07.0	-1.2
W18A	Petrified Fore	83.72 336	P	P	02 13 08.7	-0.2
W18A	Petrified Fore	83.72 336	eP	P	02 13 11.3	+2.5
SDMD	Soldier's Deli	83.73	3	eP	02 13 11.1	+2.5
Q41A	Truxton	83.78 352	P	P	02 13 07.7	-1.1
MONPZ	Monument Peak	83.82 330	P	P	02 13 08.1	-1.4
Q40A	Laux Farm, Aux	83.91 351	P	P	02 13 08.7	-0.8
MCWV	Mont Chateau	83.92	0	P	02 13 08.8	-0.7
Y12C	Blythe	83.94 332	P	P	02 13 09.0	-0.8
Y12C	Blythe	83.94 332	eP	P	02 13 11.7	+1.9
P45A	Graceland, Par					



Table with columns: Station ID, Name, Frequency, Class, Mode, Power, and other technical details. Includes stations like GSC Goldstone, Q24A Divide, EDW2 Edwards Air Fo, etc.

Table with columns: Station ID, Name, Frequency, Class, Mode, Power, and other technical details. Includes stations like I42A Draeger Farm, R11A Troy Canyon, R11A Troy Canyon, etc.

Table with columns: Station ID, Name, Frequency, Class, Mode, Power, and other technical details. Includes stations like AFDM Forest Hills D, F34A Alexandria, F33A 5 Mile Ranch, etc.





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

ISCJB 18 03:04:49.8:0.5, 11.05N:0.03:86.62W:0.0:03, h64km, 3km, az=30.3

IDC 18 03:04:49.8:3.6, 11.30N:86.39W, h33km, 27km, mb4.2/15, mb1.4, 4/17, mb1mx4.0/53, mbtmp4.4/17, ML3.6, MS4.6/1, MS1.4/0.1, ms1mx3.6/47, Error ellipse: s-maj=30.1km s-min=11.1km az=45.0

UCR 18 03:04:50.6:2.3, 11.26N:86.88W, h0km, 5km, MD4.7, ML3.6, mb4.6(NEIC)

NEIC 18 03:04:51.1:0.7, 11.06N:86.49W, h50km, 7km, mb4.6/145, Error ellipse: s-maj=8.0km s-min=4.8km az=217.0

ISC 18 03:04:55.0:0.9, 11.34N:0.06:86.69W:0.06, h76km, 7km, n546, c1551/536, mb4.6/152, 1D, Near coast of Nicaragua

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, and other technical details. Includes stations like COPALTEPE, MGNAN, MOMN, etc.

Main station list table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like MORSE, QUITMAN, 4454, etc.

Main station list table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like X48A, X49A, Y41A, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like 544A Carbondale, SIUC Southern Illin, BLA Blackburg, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like N43A Stutzman Famil, LAZ Lador, ANMO Albuquerque, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like SMC0 Snowmass, H42A Shiocton, H41A Junction City, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like A32A, MOOV, FXWY, IMW, NV11, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ZAIG, ZALG, ZJRG, ZIIG, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like H10N3, H10N2, BOSA, etc.

ISC 18 03:07:54.3:2.1,20.16N:103.33W, h0km, mb3.9/6, mb1 4.1/6, mb1mx3.7/56, mbtmp3.9/6, Error ellipse: s-maj=98.1km s-min=44.5km az=88.0

NEIC 18 03:07:58.8:0.0,20.24N:103.38W, h5km, mb4.2/4, MD4.4(MEX), Az=103.38

MEX 18 03:07:58.8:1.8,20.26N:103.44W, h2km, gkm, MD4.4

ISC 18 03:07:56.8:1.8,20.26N:103.403W, h12km, n2, n12km, n42, e121/63, mb3.9/9, Jalisco

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like EZSV, IGIA, CMJM, etc.

MEX 18 03:38:10.4:0.5,16.26N:98.26W, h8km, g3km, MD3.6, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like PNIQ, TLIG, ACX, etc.

ISC 18 04:02:07.9:2.5,34.81S:147.3W, h0km, mb4.2/2, mb1 4.2/2, mb1mx3.6/41, mbtmp4.2/2, MS4.2/10, Ms1 4.2/10, ms1mx3.6/40, Error ellipse: s-maj=70.6km s-min=51.4km az=26.0, Tristan da Cunha region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like H09N1, H10S2, H10S3, etc.

JTS 9.0nm,0.3s,baz=357,slow=7.9,SNR=4.1

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





Table with columns: Call ID, Name, Frequency, Mode, Power, and other details. Includes entries like W18A Petrified Fore, Q24A Divide, S22A 4UR Ranch, etc.

Table with columns: Call ID, Name, Frequency, Mode, Power, and other details. Includes entries like GSC Goldstone, CTU Camp Tracy, BFSC Mount Baldy, etc.

Table with columns: Call ID, Name, Frequency, Mode, Power, and other details. Includes entries like YERR Yerington, DLMT Dillon, CMB Columbia Colle, etc.



Table with columns: IHRM, Jahrom, 1.60 346 ePn, Pn, 04 28 37.3 +1.0, comp=Z,8.2nm,0.1s, VJF Virojoki, 1.77 54 eP, Sg, 05 48 29.0 -0.3, etc.

IDC 18 05:00:49.2.9.8,21'42Sx176.50W,h319km,93km, mb3.4/5,mb1 3.6/6,mb1mx3.2/46,mbt4.1/6, Fiji Islands region

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

Table with columns: comp=Z,8.2nm,0.1s, VJF Virojoki, 1.77 54 eP, Sg, 05 48 29.0 -0.3, etc. Includes stations like FIAO FINESS Array S, FIAO FINESS Array B, etc.

SOME 18 05:48:49.4, 44.67N-82.15E, h10km, NNC 18 05:48:51.9, 2.1, 44.73N-82.18E, h0km, mb3.5, mpv3.1, Error ellipse: s-maj=29.7km s-min=5.6km az=110.0, ISCJB 18 05:48:53.0, 1.0, 44.68N, 0.06-82.28E, 0.10, h10km, Error ellipse: s-maj=12.2km s-min=4.4km az=37.5

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

Table with columns: JTS, 4.5nm,0.3s,baz=180,slow=7.6,SNR=26, Lg, 05 58 31.2, etc. Includes stations like DDBB Dabeiba, MOTC Monteria, Cord, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC, etc. Includes stations like WMOK Wichai Mouta, LPJG La Paz, ANMX Cornudas Mount, etc.

IDC 18 06:05:59.4.1.6, 9.72S: 119.08E, h0km, mb3.8/2, mb1 4.1/5, mb1mx3.7/58, mbt4.0/5, ML4.1/3, MS3.3/2, MS1 3.4/2, ms1mx2.6/54, Error ellipse: s-maj=76.6km s-min=20.9km az=47.0, ISCJB 18 06:06:06.8, 0.5, 10.11S: 0.05: 119.49E: 0.04, h33km, mb3.9/2, MS3.4/2, Error ellipse: s-maj=8.4km s-min=4.6km az=33.9, DJA 18 06:06:10.2, 0.3, 10.1S: 4.12E: 1.1, h48km, 5km, M4.4/13,

18d 7h

mB5.3/1,MLv4.4/13,Mw(mB)4.7/1
ISC 18 06:06:07.3-0.9,9.98S,0.08x,119.51E,0.05,h35km,n22,
e213/14,Sumba region

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, ISC h m s ISC. Lists stations like Waikabubak, Baing, Plai, Ende, Talliang, Maumere, Baumata, etc.

SOME 18 06:17:30.2,44.70N,82.18E,h20km
NMC 18 06:17:31.4,1.3,44.72N,82.15E,h0km,mb2.8,mpv2.3,
Error ellipse: s-maj=19.8km s-min=3.5km az=116.0

ISCJB 18 06:17:32.4,1.3,44.71N,82.06E,0.1,h10km,Error
ellipse: s-maj=13.6km s-min=4.7km az=32.3

ISC 18 06:17:32.4,2.1,44.68N,82.08E,0.1,h10km,n11,
e211/21,9C-1D,Northern Xinjiang

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, ISC h m s ISC. Lists stations like Jarkent, Makanchi Array, Kaparalaran, etc.

TAP 18 06:32:37.5,24.88N,122.04E,h11km,ML2.8,C
JMA 18 06:32:38.1,0.1,24.88N,122.02E,h36km,ML2.2
ISC 18 06:32:37.2-0.8,24.91N,0.03,122.08E,0.02,h14km,6km,
n56,e055/79,Taiwan region

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, ISC h m s ISC. Lists stations like Santiaog Chiao, EGS, NTC, TWP, etc.

2012 MAY

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, ISC h m s ISC. Lists stations like YM12, ENTT, NWLT, TATO, etc.

IDC 18 06:36:28.1,13.0,6.35S,152.05E,h122km,122km,
mb3.5/4,mb1.3/7.4,mb1mx3.3/46,mbtmp3.8/4,Error
ellipse: s-maj=112.7km s-min=44.7km az=134.0,New
Britain region

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, ISC h m s ISC. Lists stations like WRA, ASAR, FITZ, ILAR, etc.

ATA 18 06:51:46.8,0.8,38.90N,43.59E,h0km,6km,ML2.9,
MW3.0
CSEM 18 06:51:47.3,0.5,38.89N,43.70E,h12km,ML2.9,Error
ellipse: s-maj=10.0km s-min=5.0km az=84.0

DDA 18 06:51:47.4,38.91N,43.68E,h18km,ML2.9
ISCJB 18 06:51:48.4,0.9,38.88N,43.57E,h10km,4km,
Error ellipse: s-maj=9.1km s-min=4.4km az=178.4

ISK 18 06:51:48.7,0.9,38.84N,43.51E,h3km,ML2.6/4
ISC 18 06:51:48.7-0.9,38.89N,0.02,43.58E,0.04,h13km,6km,
n33,e1921/59,Turkey

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, ISC h m s ISC. Lists stations like VMUR, VANB, etc.

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Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, ISC h m s ISC. Lists stations like TASB, EKAR, KARACOBAN, etc.

ISCJB 18 06:52:19.7,0.4,59.18N,0.03,22.63E,0.04,h0km,Error
ellipse: s-maj=3.9km s-min=3.1km az=6.5
IDC 18 06:52:19.2,5.59,02N,22.80E,h0km,ML2.0,Error
ellipse: s-maj=3.9km s-min=3.1km az=156.0
CSEM 18 06:52:20.6,0.2,59.16N,0.02,22.68E,h2km,ML2.0,Error
ellipse: s-maj=4.7km s-min=3.4km az=7.0,Mining
Explosion

UPP 18 06:52:20.0,1.9,59.17N,22.75E,h0km,ML2.4
HEL 18 06:52:20.8,59.16N,22.57E,h0km,ML2.1,Explosion
ISC 18 06:52:19.4,0.7,59.19N,0.02,22.74E,0.03,h0km,n54,
e1916/83,Baltic States-Belarus-Northernwest Russia

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, ISC h m s ISC. Lists stations like Mtsula, MEF, SLIT, etc.

IDC 18 07:02:00.9,3.4,34.07N,25.29E,h13km,19km,mb3.7/6,
mb1.3/7.8,mb1mx3.4/68,mbtmp3.7/8,ML4.1/2,MS2.9/1,
Ms1.2/9.1,ms1mx2.0/62,Error ellipse: s-maj=25.9km
s-min=20.9km az=111.0
HLW 18 07:02:01.6,34.11N,25.35E,h9km,13km,ML2.8,ML3.0
ISCJB 18 07:02:02.8,0.4,34.13N,0.03,25.26E,0.04,h42km,7km,

mb3.6/6, MS2.9/1, Error ellipse: s-maj=5.9km s-min=4.7km az=175.7  
 CSEM 18 07:02:02.7-0.4, 34.14N-25.15E, h20km, ML3.4, Error ellipse: s-maj=9.0km s-min=5.6km az=19.0  
 ATH 18 07:02:04.8, 34.33N-25.09E, h40km, ML3.6/3, Error ellipse: s-maj=5.6km s-min=1.7km az=1.0  
 THE 18 07:02:06.0, 34.36N-25.09E, h9km, 2km, ML3.4/4, Error ellipse: s-maj=3.1km s-min=1.0km az=328.0  
 ISC 18 07:02:03.0-1.2, 34.16N-0.04-25.20E, 0.03, h29km, 10km, n67, r157/89, mb3.8/6, Crete

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
SIVA	Sivas	0.91 339	P	07 02 19.5	-0.3
SIVA	Sivas	0.91 339	S	07 02 29.9	-2.1
SIVA	comp=N,15207μm,0.6s		AML	07 02 41.2	
SIVA	Sivas	0.91 339	P	07 02 19.7	-0.1
SIVA	Sivas	0.91 339	S	07 02 19.7	-0.1
LAST	Lasithi	1.02 13	P	07 02 22.0	-0.2
LAST	Lasithi	1.02 13	S	07 02 35.4	+0.1
LAST	comp=E,3979μm,1.1s		AML	07 02 46.6	
LAST	Lasithi	1.02 13	P	07 02 22.0	-0.2
LAST	Lasithi	1.02 13	S	07 02 35.4	+0.1
LAST	Gavdhos	1.14 307	P	07 02 23.9	+0.4
LAST	Gavdhos	1.14 307	S	07 02 36.9	+0.7
LAST	comp=E,6413μm,0.6s		AML	07 02 48.0	
GVD	comp=N,5891μm,0.5s		AML	07 02 49.6	
GVD	Gavdhos	1.14 307	P	07 02 23.7	-0.4
GVD	Gavdhos	1.14 307	S	07 02 37.0	-0.7
GVD	Gavdhos	1.14 307	P	07 02 36.9	-0.7
GVD	Gavdhos	1.14 307	S	07 02 44.7	+0.4
NPS	Neapolis	1.15 17	P	07 02 24.6	+0.4
NPS	Neapolis	1.15 17	S	07 02 39.0	+0.2
NPS	Neapolis	1.15 17	P	07 02 24.4	+0.1
NPS	Neapolis	1.15 17	S	07 02 39.0	+0.2
IDI	Anoyia	1.15 347	P	07 02 23.8	-0.6
IDI	comp=N,53nm,0.3s,baz=170,slow=16,SNR=181		Lg	07 02 42.3	
IDI	comp=N,98nm,0.3s,baz=334,slow=16,SNR=13		LR	07 02 43.9	
IDI	comp=N,45nm,20.8s,baz=220,slow=34		LR	07 02 43.9	
ZKR	Zakros	1.27 41	P	07 02 26.9	+0.6
ZKR	Zakros	1.27 41	P	07 02 26.9	+0.6
ZKR	Zakros	1.27 41	S	07 02 44.3	+2.1
ZKR	Zakros	1.27 41	S	07 02 26.9	+0.6
ZKR	Zakros	1.27 41	S	07 02 44.3	+2.1
VAM	Vamos	1.49 327	P	07 02 29.4	+0.6
VAM	Vamos	1.49 327	P	07 02 29.4	+0.6
VAM	Vamos	1.49 327	P	07 02 28.7	+0.9
VAM	Vamos	1.49 327	P	07 02 31.8	+0.8
IMMV	Iera Moni Meta	1.64 323	P	07 02 31.2	-1.3
IMMV	Iera Moni Meta	1.64 323	P	07 02 40.1	1.1
KARP	Karpathos	2.12 49	P	07 02 39.0	-1.8
KARP	Karpathos	2.12 49	P	07 02 39.4	-1.4
KARP	Karpathos	2.12 49	P	07 02 39.1	-1.8
KARP	Karpathos	2.12 49	P	07 02 41.6	-0.8
IOSP	Ios island	2.56 2	P	07 02 42.8	+0.3
IOSP	Ios island	2.56 2	P	07 02 43.0	+0.3
IOSP	Ios island	2.56 2	P	07 02 43.0	-0.1
MHLO	Agia Marina, M	2.60 346	P	07 02 43.4	+0.3
MHLO	Agia Marina, M	2.60 346	P	07 02 43.4	+0.3
MHLA	Plaka, Milos I	2.65 346	P	07 02 44.8	+1.2
MHLA	Plaka, Milos I	2.65 346	P	07 02 44.8	+1.0
SLUM	Salum	2.66 180	P	07 02 44.6	+0.7
SLUM	baz=183		S	07 03 00.0	
SLUM	baz=183		S	07 03 15.3	0.0
APE	Apeiranthos	2.91 5	P	07 02 46.8	-0.6
APE	Apeiranthos	2.91 5	P	07 02 47.7	+0.3
VLI	Veliia	3.15 325	P	07 02 49.8	-0.8
VLI	Veliia	3.15 325	P	07 02 50.5	-0.1
ARG	Arkhangelos	3.15 49	P	07 02 52.2	+1.6
ARG	Arkhangelos	3.15 49	P	07 02 52.9	+2.2
MATC	Matruh	3.29 148	P	07 02 54.3	+1.7
MATC	baz=149		P	07 02 54.3	+1.7
AYDN	Tasoluk	4.11 31	P	07 03 05.3	+1.4
AYDN	Tasoluk	4.11 31	P	07 03 05.3	+1.4
AYDN	Tasoluk	4.11 31	P	07 03 05.3	+1.4
AYDN	Tasoluk	4.11 31	P	07 03 52.4	+1.4
AKAS	Kas	4.16 59	P	07 03 04.0	-0.6
AKAS	Kas	4.16 59	P	07 03 48.7	-3.6
AKAS	Kas	4.16 59	P	07 03 04.0	-0.6
GOLH	Golhisar	4.34 48	P	07 03 12.2	+0.8
GOLH	Golhisar	4.34 48	P	07 03 12.2	+0.8
GOLH	Golhisar	4.34 48	P	07 03 03.5	-1.9
GOLH	Golhisar	4.34 48	P	07 03 12.2	+0.8
GOLH	Golhisar	4.34 48	P	07 03 03.5	-1.9
SWAZ	Swaz	4.91 177	P	07 03 15.2	+0.4
SWAZ	baz=178		P	07 03 15.2	+0.4
KORT	Korkueli	5.06 55	P	07 03 19.2	+2.2
KORT	Korkueli	5.06 55	P	07 04 14.7	+0.1
KORT	Korkueli	5.06 55	P	07 03 19.2	+2.2
KORT	Korkueli	5.06 55	P	07 04 14.7	+0.1
KEPZ	Antalya-Kepez	5.89 61	P	07 03 29.3	+0.9
KEPZ	Antalya-Kepez	5.89 61	P	07 04 32.3	-2.7
KEPZ	Antalya-Kepez	5.89 61	P	07 03 29.3	+0.9
GAZI	Gazipasa	6.18 68	P	07 03 32.0	-0.3
GAZI	Gazipasa	6.18 68	P	07 04 34.9	-7.1
HSAF	As Saff	7.05 128	P	07 03 44.6	+0.3
HSAF	baz=128		P	07 03 44.6	+0.3
GULN	MERSIN_Gulnar	7.12 71	P	07 03 44.9	-0.4
GULN	MERSIN_Gulnar	7.12 71	P	07 04 58.2	-6.9
GLL	Jalalah	7.18 128	P	07 03 45.9	-0.1
GLL	Jalalah	7.18 128	P	07 03 45.9	-0.1
GLL	Jalalah	7.18 128	P	07 03 45.9	-0.1
HFRF	Wahat Farafira	7.49 158	P	07 03 49.6	-0.7
HFRF	baz=159		P	07 03 49.6	-0.7
AKASG	Malin Array Be	16.79 9	P	07 05 56.8	-1.0
AKASG	comp=N,199,0.3s,baz=199,slow=11,SNR=5.4		P	07 05 56.8	-1.0
GERES	GERES Array B	16.98 333	P	07 05 58.5	+0.2
GERES	comp=N,0.3nm,0.3s,baz=148,slow=13,SNR=9.1		P	07 05 58.5	+0.2
HFS	Hagfors	27.05 347	P	07 07 44.1	+1.5
HFS	comp=N,1.6nm,0.6s,baz=335,slow=11,SNR=4.7		P	07 07 44.1	+1.5
TORD	Torodi Ar. Bea	29.88 23	P	07 08 08.7	+0.6
TORD	comp=N,1.1nm,0.6s,baz=36,slow=8.8,SNR=9.1		P	07 08 08.7	+0.6
KURBB	Kurchatov Arra	41.73 50	P	07 09 49.2	0.0
KURBB	comp=N,0.3nm,0.5s,baz=277,slow=8.6,SNR=3.9		P	07 09 49.2	0.0
SPITS	Spitsbergen Ar	44.28 357	LR	07 29 03.7	
SPITS	comp=N,18nm,20.4s,baz=45,slow=37		LR	07 29 03.7	
MKAR	Makanchi Array	44.30 56	P	07 10 10.6	+0.5
MKAR	comp=N,1.0nm,0.6s,baz=276,slow=6.6,SNR=10		P	07 10 10.6	+0.5
ZALV	Zalesovo Beam	45.67 45	P	07 10 20.8	-0.1
ZALV	comp=N,0.9nm,0.3s,baz=298,slow=8.5,SNR=3.1		P	07 10 20.8	-0.1
YKA	Yellowknife Ar	78.40 342	P	07 14 00.9	+0.5
YKA	comp=N,0.1nm,0.5s,baz=37,slow=5.2,SNR=2.5		P	07 14 00.9	+0.5

**GUC 18 07:03:55.2-0.6,35.38S-72.36W, h14km, 3km, ML3.1, 5C, Near coast of central Chile**

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
GO05	Hualae0	0.51 44	P	07 04 05.5	+0.3
GO05	Hualae0	0.51 44	P	07 04 12.9	-0.3
COCH	Cobquecura	0.83 205	P	07 04 12.1	-0.3
COCH	Cobquecura	0.83 205	P	07 04 24.4	-0.4
NICH	Los Niches	1.00 68	P	07 04 13.7	-0.5
NICH	Los Niches	1.00 68	P	07 04 27.6	+0.1
NICH	Los Niches	1.00 68	P	07 04 31.4	
CCHI	Chillan	1.24 170	P	07 04 19.0	-0.2
CCHI	Chillan	1.24 170	P	07 04 33.3	-1.0
CCHI	Chillan	1.24 170	P	07 04 37.8	
CLCH	Cerro Calan	2.48 38	P	07 04 37.1	+1.8
CLCH	Cerro Calan	2.48 38	P	07 05 13.0	-1.1
CLCH	Cerro Calan	2.48 38	P	07 05 13.0	-1.1
ROCH	El Roble	2.65 25	S	07 05 06.0	-3.6
ROCH	El Roble	2.65 25	S	07 05 11.9	-3.0

FCH	Farellones	2.67 40	Pn	07 04 39.9	+1.9
FCH	Farellones	2.67 40	Pn <td>07 05 10.9</td> <td>+0.7</td>	07 05 10.9	+0.7
FCH	Farellones	2.67 40	Pn <td>07 05 19.2</td> <td></td>	07 05 19.2	
ISCJB	18 07:27:39.7-0.4, 7.75S:0.04, 127.81E:0.07, h10km, mb4.0/7, MS3.0/8, Error ellipse: s-maj=9.9km s-min=5.5km az=164.8				
IDC	18 07:27:40.1-0.9, 7.62S:127.91E, h0km, mb4.0/6, mb1.4/1.0, mb1mx3.8/5.6, mbmp4.0/1.0, ML3.9/4, MS3.1/1.1, Ms1.3/1.1, ms1mx2.8/4.5, Error ellipse: s-maj=37.7km s-min=16.2km az=74.0				
NEIC	18 07:27:48.0-0.9, 7.83S:127.77E, h67km, 10km, mb4.2/7, Error ellipse: s-maj=11.6km s-min=8.0km az=66.0				
DJA	18 07:28:06.3-2.7, 3.7S:19.12E, 2.4, h10km, MS.5/3, MLV3.5/3				
ISC	18 07:27:40.9-0.6, 7.71S:0.06, 127.96E:0.09, h10km, n50, r199/44, mb4.1/7, MS2.9/8, Banda Sea				

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
SOEI	Soe	4.18 241	P	07 28 48.1	+3.2
SOEI	Soe	4.18 241	P	07 28 47.3	+2.3
BATI	Baumata	4.92 239	P	07 28 56.8	+1.8
BATI	Baumata	4.92 239	P	07 28 54.9	-0.1
BATI	Baumata	4.92 239	P	07 29 33.6	-1.8
MMRI	Maumere	5.74 260	P	07 29 02.2	-4.1
ITN	Manitow Dam	5.98 149	ePn	07 29 15.3	+5.7
EDFI	Ende Flores	6.29 260	P	07 29 13.2	-0.8
EAKI	Fak Fak	6.39 42	ePn	07 29 24.2	-8.2
LUWI	Luwuk	8.40 322	ePn	07 29 46.4	+3.5
FITZ	Fitzroy Crossi	10.57 192	Pn	07 30 13.2	+0.6
FITZ	0.6nm,0.3s,baz=25,slow=11,SNR=27		Sn	07 32 10.8	-0.4
FITZ	2.0nm,0.3s,baz=292,slow=23,SNR=3.3		LR	07 35 04.8	
FITZ	comp=Z,103nm,21.2s,baz=32,slow=42		LR	07 30 14.4	+1.8
FITZ	Fitzroy Crossi	10.57 192	ePn	07 32 10.8	-0.4
FITZ	Fitzroy Crossi	10.57 192	ePn	07 32 10.8	-0.4
WRA	Tennant Creek	13.64 154	Pn	07 30 55.3	+0.7
WRA	Warramunga Arr	13.64 154	Pn	07 30 54.4	-0.2
WRA	0.8nm,0.3s,baz=332,slow=13,SNR=47		Pn	07 33 21.9	-4.5
WRA	1.2nm,0.3s,baz=335,slow=22,SNR=8.5		Sn	07 30 53.5	-1.2
WRA	Warramunga Arr	13.65 154	ePn	07 37 54.2	
DAV	Davao City (W)	14.87 315	Pn	07 37 54.2	
MBWA	Maribor Bar	15.56 210	ePn	07 37 54.2	
MBWA	15m,0.8s		P	07 31 20.0	-0.5
COEN	Coen	16.18 114	ePn	07 31 31.1	-0.7
COEN	17m,0.8s		P	07 31 40.0	+0.6
AS31	Alice Springs	16.86 161	ePn	07 31 37.7	+0.5
ASAR	Alice Springs	16.86 161	Pn	07 31 37.7	+0.5
ASAR	0.3nm,0.3s,baz=331,slow=9.8,SNR=19				





Table with columns for station call letters, frequency, power, and other technical details. Includes stations like GYA, TLY, CD2, and KNGR.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SVW2, PRZ, KOLN, and many others.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SCM, MNAS, SFK, and many others.

18d 8h

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like AREO, YKWB, YKA, YLE, etc.

2012 MAY

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like WWOR, MSO, AKASA, AKASG, etc.

958

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like DAC, BURB, DGMT, BORG, etc.

Table with columns: BRG, comp, Z, 12nm, 1.0s, 81.25 326 P, P, 08 31 07.6 -0.8, etc. Lists various radio stations and their frequencies.

Table with columns: ECSD, EROS Data Cent, 85.45 37 eP, P, 08 31 30.1 0.0, etc. Lists various radio stations and their frequencies.

Table with columns: VANB, Van, 0.25 111 eP, Pg, 08 27 08.9 +0.7, etc. Lists various radio stations and their frequencies.

MEX 18 08:19:12.8-0.9, 17.35N-100.53W, h12km, i2km, MD3.5, Guerrero

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, etc. Lists station codes and names for Mexico.

NNC 18 08:33:54.8-8.4, 53.34N-91.05E, h0km, mb3.8, mpv3.5, Error ellipse: s-maj=70.6km s-min=51.4km az=21.0, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KURK Kurchatov, KURKB Kurchatov Arra, KURBB Kurchatov Arra, etc.

ECX 18 08:35:05.2.0.5.32.12N.115.73W, h6km, MD2.6, ML2.8
NEIC 18 08:35:05.2.0.5.32.12N.115.73W, h6km, ML2.7(PAS),
ML2.8(ECX), After ECX.

MEX 18 08:35:05.9.0.3.32.17N.115.70W, h8km, 17km, MD3.7
ISC 18 08:35:03.1.1.4.0.9N.102.115.74W, 0.03, h4km, 14km,
n25, e072/43, 4C-5D, California-Baja California border

Main table of station data for the first section, including Cerro Prieto, Mount Signal, Yuha Desert, etc.

DDA 18 09:04:02.0.38.91N.37.77E, h7km, ML2.6
ISCJB 18 09:04:02.0.38.90N.0.03.37.77E.0.04, h12km, 4km,
Error ellipse: s-maj=5.5km s-min=4.8km az=10.5

CSEM 18 09:04:02.3.0.2.38.89N.37.79E, h8km, ML2.6, Error
ellipse: s-maj=4.2km s-min=3.9km az=163.0
ISK 18 09:04:02.3.38.89N.37.80E, h9km, ML2.0/7
ISC 18 09:04:02.7.0.9.38.89N.0.03.37.77E.0.02, h13km, 7km,
n30, e079/40, Turkey

Main table of station data for the second section, including HEKM Malatya\_Hekimh, DARE Darende-Malaty, etc.

IDC 18 09:50:36.6.1.9.0.70N.92.30E, h0km, mb3.6/6, mb1 3.7/7,
mb1mx3.5/74, mbtmp3.6/7, ML3.7/1, Error ellipse:
s-maj=62.0km s-min=21.0km az=54.0
ISCJB 18 09:50:41.4.1.2.1.0N.0.2.92.75E.0.1, h33km, mb3.6/6,
Error ellipse: s-maj=22.4km s-min=13.7km az=10.9

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

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

ISCJB 18 09:55:25.6.1.2.67.46N.0.05.34.1E.0.2, h0km, Error
ellipse: s-maj=9.4km s-min=6.5km az=165.5
CSEM 18 09:55:27.3.0.7.67.54N.34.08E, h1km, ML2.3, Error
ellipse: s-maj=14.8km s-min=8.2km az=98.0, Mining
explosion.

HEL 18 09:55:28.8.0.7.67.58N.34.12E, h0km, ML2.3, Explosion
KOLA 18 09:55:29.2.67.62N.33.99E, h0km
NAO 18 09:55:31.3.1.8.67.57N.33.42E, ML2.9
ISC 18 09:55:26.0.1.6.67.53N.0.05.34.20E.0.09, h0km, n26,
e1941/43, Baltic States-Belarus-Northwestern Russia

Main table of station data for the third section, including APA Apatity, VRR Vario, VRF Rieki, etc.

ISCJB 18 09:56:39.2.0.4.23.90N.0.01.122.45E.0.01, h5km, 2km,
Error ellipse: s-maj=2.0km s-min=1.9km az=151.9
JMA 18 09:56:40.4.0.2.23.93N.122.42E, h18km, 4km, M3.3
TAP 18 09:56:40.6.23.98N.122.47E, h28km, ML3.7, D
ISC 18 09:56:39.0.1.0.23.88N.0.02.122.48E.0.01, h19km, 2km,
n121, e091/225, Taiwan region

Main table of station data for the fourth section, including JYNG Yonagunijimaku, EOS1, YOJ Yonaguni jima, etc.

Main table of station data for the fifth section, including EGFH Guangfu, HGSD Ruisui, EGS, etc.

Table with columns: Station Name, Azimuth, Distance, Magnitude, and other seismic parameters. Includes stations like LIQB, NSTT, YM03, ALS, etc.

Table with columns: Station Name, Azimuth, Distance, Magnitude, and other seismic parameters. Includes stations like WLCH, TWKBT, TWK1, etc.

Table with columns: Station Name, Azimuth, Distance, Magnitude, and other seismic parameters. Includes stations like QUBA, URKR, KDMR, etc.



Table with columns: Code, Station Name, Az, El, Time, Res, I, S, P, M, A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Includes stations like AKH, ASTR, ZEI, etc.

Table with columns: Code, Station Name, Az, El, Time, Res, I, S, P, M, A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Includes stations like G005, G003, G003, etc.

Table with columns: Code, Station Name, Az, El, Time, Res, I, S, P, M, A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Includes stations like NEE2, TUQ, 113A, etc.

NEIC 18 10:37:12.0-0.0, 33.32N; 116.40W, h8km, ML3.6(PAS), After PAS

NEIC 18 [II] at Orange Springs and [II] at Ramona. Felt in parts of Orange, Riverside and San Bernardino Counties.

MEX 18 10:37:14.7-0.9, 33.15N; 117.29W, h10km, MD3.8

ISC 18 10:37:09.6-1.1, 33.25N; 102.11646W, h4km, g9km, n71, c117/102, Southern California

IDC 18 10:37:39.4-1.1, 26.87N; 53.95E, h0km, mb3.7/12, mb1.3/8.12, mb1mx3.6/58, mbtmp3.7/12, MS2.9/4, Ms1 2.9/4, ms1mx2.4/59, Error ellipse: s-maj=26.8km s-min=22.7km az=153.0

THR 18 10:37:40.0-0.3, 26.89N; 54.07E, h15km, ML3.5

ISCJB 18 10:37:42.0-0.5, 27.02N; 104.5385E; 0.05, h19km, mb3.6/12, MS3.3/3, Error ellipse: s-maj=8.0km s-min=4.1km az=145.3

TEH 18 10:37:42.5, 27.05N; 53.96E, h19km, ML3.5

CSEM 18 10:37:44.1-0.4, 27.02N; 53.88E, h15km, ML3.5, Error ellipse: s-maj=14.9km s-min=6.1km az=55.0

DSN 18 10:37:46.7-1.5, 26.85N; 53.97E, h15km, ML3.5/7, Error ellipse: s-maj=18.6km s-min=6.5km az=167.0

ISC 18 10:37:43.8-0.7, 27.03N; 105.5393E; 0.05, h19km, n61, c1152/64, mb3.7/12, MS2.7/3, Southern Iran

Table with columns: Code, Station Name, Az, El, Time, Res, I, S, P, M, A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Includes stations like JHRM, GHIR, GHIR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KOLAHROOD, ALIBECK, ELAT, etc.

ISK 18 10:42:17.8, 38.63N, 37.35E, h5km, ML1.9/4
CSEM 18 10:42:18.4, 0.3, 38.68N, 37.38E, h5km, ML1.9, Error ellipse: s-maj=6.5km, s-min=5.8km, az=37.0

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

IDC 18 10:43:02.1, 1.7, 34S, 156.08E, h0km, mb3.7/5, mb1 3.8/6, mb1mx3.6/48, mbtmp3.7/6, ML2.1, MS2.9/2, Ms1 2.9/2, ms1mx2.4/41, Error ellipse: s-maj=27.7km, s-min=25.7km, az=156.0

ISC/JB 18 10:43:06.3, 0.8, 7.5S, 0.1, 156.18E, 0.09, h44km, mb3.5/5, MS3.5/1, Error ellipse: s-maj=21.9km, s-min=10.2km, az=22.2

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

ISK 18 11:03:42.9, 39.78N, 35.57E, h12km, ML2.6/5
CSEM 18 11:03:43.7, 0.2, 39.76N, 35.55E, h10km, ML2.6, Error ellipse: s-maj=5.8km, s-min=5.8km, az=111.0

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

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

KRSC 18 11:17:44.0, 1.8, 52.28N, 160.90E, h41km, 24km, ML4.3
MOS 18 11:17:46.4, 0.9, 52.27N, 160.73E, h46km, mb4.5/13, Error ellipse: s-maj=8.4km, s-min=3.9km, az=99.2

NEIC 18 11:17:51.0, 2.0, 52.15N, 160.01E, h61km, 10km, mb4.4/6, Error ellipse: s-maj=25.9km, s-min=9.4km, az=120.0
IDC 18 11:17:51.3, 3.1, 52.14N, 160.35E, h60km, 26km, mb3.6/19, mb1 3.7/19, mb1mx3.6/74, mbtmp3.9/19, ML2.1, MS2.8/2, Ms1 2.8/2, ms1mx2.3/64, Error ellipse: s-maj=21.6km, s-min=15.1km, az=132.0

ISC 18 11:17:46.0, 1.9, 52.24N, 160.05, 160.83E, 0.04, h24km, 9km, n139, e1568/175, mb4.3/23, 5C, Off east coast of Kamchatka Peninsula

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

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

ISC 18 10:43:07.9, 1.0, 7.4S, 0.2, 156.2E, 0.1, h44km, n14, e1866/9, mb3.4/5, Bougainville-Solomon Islands region

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

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

ISC 18 11:21:29.2, 35.62N, 141.08E, h46km, mb4.7/51, mb4.8/30, Error ellipse: s-maj=4.3km, s-min=3.9km, az=24.0

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

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

NIED 18 11:21:00.35, 90N, 140.60E, h47km, Mw4.6 Best double couple: Mb8.23000, 1015 NP1: 98.189, 00000, 820, 00000, 1, 93, 00000, NP2: 98.5, 00000, 870, 00000, 820, 00000, BUI 18 11:21:29.2, 35.62N, 141.08E, h46km, mb4.7/51, mb4.8/30, MS3.9/26, MS7.3/725

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

18d 11h

Table with columns for call sign, name, frequency, power, and status. Includes stations like JYT Yasato, MA2 Magadan, and various other international and domestic callsigns.

2012 MAY

Table with columns for call sign, name, frequency, power, and status. Includes stations like HHC, MA2, XAN, and various other international and domestic callsigns.

964

Table with columns for call sign, name, frequency, power, and status. Includes stations like NVS, NVS, MK01, and various other international and domestic callsigns.



Table with columns for station ID, name, frequency, and signal strength. Includes stations like MJAR, MJB9, MAJO, MAJQ, MAT, etc.

Table with columns for station ID, name, frequency, and signal strength. Includes stations like H11S3, H11S2, SNA1, SMD, SONA1, etc.

Table with columns for station ID, name, frequency, and signal strength. Includes stations like WMQ, HON, HON, YKWS, YKWA, YKA, etc.





18d 11h

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details. Includes stations like HFS, S22A, Q24A, etc.

2012 MAY

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details. Includes stations like S39A, T38A, Q41A, etc.

968

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details. Includes stations like MNVY, GRFO, WCI, etc.







Table with columns for station name, frequency, mode, and coordinates. Includes stations like SJPF, PNCJ, EALK, LMR, MVO, ELAN, LASF, PGF, FRF, SBF, EARI, CAF, EPON, TAM, LPL, ABTA, JAVS, BOSS, KBA, ARSA, GERS, etc.

Table with columns for station name, frequency, mode, and coordinates. Includes stations like AGG, KHC, CONA, ZST, MODS, CRVS, VOIR, EKA, MLR, BUR0, SUW, AKASO, BR13, DBIC, ANN, FINES, DBIC, ANN, KEV, AKTO, ARU, ARU, ARU, ABKAR, UOSS, KMB, BRVK, BRVK, etc.

Table with columns for station name, frequency, mode, and coordinates. Includes stations like BRVK, BVAR, LSZ, AAK, KURBB, KURK, KURK, KDJ, KDJ, NIL, NIL, NIL, TARG, ZALO, ZALV, ZALV, MAKZ, MAKZ, MK31, MK31, MKAR, MK01, DGZ, LBTB, FCC, FCC, WMO, BOSA, KNGR, TIXI, TIXI, TLY, TLY, YKA, INK, SOMN, ULN, ULN, DAWW, BILB, BILB, PDAR, PDAR, HHC, HHC, HHC, BMO, BMO, CMAR, TXAR, CTA, STKA, etc.

ISCJB 18 13:19:55.70.7, 3.72S:0.06E:139.70E:0.08, h37km, mb3.6/5, Error ellipse: s-maj=13.3km s-min=6.3km az=29.2

DJA 18 13:19:59.2.0.6, 3'S:6.14'0E', h29km:5km, M4.4/4, ML4.4/4

IDC 18 13:20:03.9.4.4, 3'54S:139.23E, h123km:36km, mb3.3/6, s-maj=3.6/8, mb1mx3.3/47, mbtm3.3/8, Error ellipse: s-maj=36.2km s-min=13.0km az=88.0

ISC 18 13:19:55.1.0.7, 3.62S:0.06E:139.68E:0.06, h37km, n13, c535/18, mb3.7/5, Ir1an Jaya

Table with columns for Code, Station Name, Azimuth, Phase ID, Time Res, and other parameters. Includes stations like WAMU, WAMI, GENI, GENI, GENI, JAYAP, JAY, BAKI, SJIJ, WRA, WRA, WRA, ASAR, ASAR, VANDA, VANDA, KURBB, BVAR, ILAR, DBIC, NEIC, ISCB, IDC, SJA, etc.







975

Table with columns: Station, Frequency, Mode, Power, SNR, and other technical details. Includes stations like KIS, TLB, CFR, SORI, WRM, ISR, PLOH, OBNS, etc.

2012 MAY

Table with columns: Station, Frequency, Mode, Power, SNR, and other technical details. Includes stations like GRUS, MZR, OTUK, IIGN, TRUS, STHS, ISAL, BRVK, etc.

18d 14h

Table with columns: Station, Frequency, Mode, Power, SNR, and other technical details. Includes stations like TKM2, BMNS, OKC, KKC, etc.



DBIC	comp=Z,2.2nm,0.5s,baz=12,slow=8.5,SNR=19				
DBIC	Dimbokro	57.33 248	P	P	14 56 22.8 -0.4
TIC	comp=Z,7.0nm,0.5s	57.48 248	eP	P	14 56 23.4 -0.8
KIC	Kosan Boki	57.47 247	eP	P	14 56 23.6 -0.6
QIZ	Qiongzhong	57.63 93	P	P	14 56 24.9 -0.5
QIZ			S	S	15 04 20.9 -1.9
QIZ	comp=Z,15nm,1.5s			Pmax	
QIZ	comp=Z,270nm,18.1s		LR	LR	
LIC	comp=Z,190nm,21.6s	57.77 247	eP	P	14 56 25.6 -0.7
USRK	Ussuriysk Ar.	59.78 56	P	P	14 56 40.5 +0.5
SEY	comp=Z,2.8nm,0.5s,baz=275,slow=8.0,SNR=7.1	60.38 30	P	P	14 56 44.6 +0.8
SEY	Seymchan	60.38 30	eP	P	14 56 44.9 +1.1
PSI	Prapat	60.52 115	P	P	14 56 44.2 -1.4
PSI	comp=Z,2.8nm,0.7s,baz=380,slow=5.1,SNR=9.9	60.52 115	P	P	14 56 44.2 -1.4
PSI	Prapat		Pmax	Pmax	
KS01	comp=Z,10.0nm,0.7s	60.55 65	eP	P	14 56 45.9 +0.6
KSAR	Wonju Array Si	60.56 65	P	P	14 56 45.0 +0.4
KSAR	Wonju Array Be	60.56 65	P	P	14 56 45.0 +0.4
KSRS	Korea Array	60.58 65	P	P	14 56 45.0 +0.5
KSRS	Korea Array	60.58 65	P	P	14 56 45.0 -0.5
BILLS	comp=Z,3.0nm,0.8s	61.82 22	eP	P	14 56 50.5 -2.9
BILL	Bilibino	61.82 22	eP	P	14 56 53.7 +0.2
BILL	comp=Z,23nm,1.1s		Pmax	Pmax	
TYV	comp=Z,7.0nm,1.3s	62.52 45	eP	P	14 56 53.1 -5.3
TYV	Tymovskoe		Pmax	Pmax	
YSS	comp=Z,200nm,3.3s	64.73 49	eP	P	14 57 12.8 -0.3
YSS	Yuzh-Sakhalins		Pmax	Pmax	
YSS	comp=Z,10.0nm,0.7s		MLR	MLR	
YSS	comp=Z,200nm,12.0s		MLR	MLR	
YSS	comp=N,300nm,16.0s		MLR	MLR	
JNU	comp=E,400nm,13.0s	64.96 67	P	P	14 57 15.0 +0.1
JNU	Nakatsue		P	P	14 57 15.5 +0.7
ASAJ	comp=E,6.2nm,0.7s,baz=5.2,slow=3.2,SNR=7.7	64.96 67	eP	P	14 57 15.5 +0.7
ASAJ	Asahikawa	66.26 52	P	P	14 57 22.4 -0.6
ASAJ	comp=Z,3.8nm,0.6s,baz=297,slow=7.5,SNR=13	66.26 52	eP	P	14 57 22.4 -0.6
ASAJ	Asahikawa	66.26 52	eP	P	14 57 22.5 -0.6
ASAJ	Asahikawa		Pmax	Pmax	
MAT	comp=Z,7.0nm,0.6s	67.93 60	P	P	14 57 38.6 +4.8
RDG	Red Dog Mine	68.52 12	eP	P	14 57 37.4 +0.5
PETK	Petropavlovsk-	68.62 37	P	P	14 57 36.8 -1.0
PETK	Petropavlovsk-	68.62 37	P	P	14 57 36.8 -1.0
PETK	comp=Z,2.0nm,0.5s	69.47 40	eP	P	14 57 44.3 +1.2
SKR	Severo-Kuril's		eS	SpN	15 07 14.2 +1.4
SKR			MLR	MLR	
TOLK	comp=Z,300nm,22.0s	69.51 6	P	P	14 57 43.8 +0.6
TOLK	Toolik Lake Re		P	P	14 57 43.8 +0.6
INK	Inuvik	70.52 0	P	P	14 57 50.1 +0.8
INK	Inuvik	70.52 0	P	P	14 57 50.1 +0.8
INK	comp=Z,1.0nm,0.4s		Pmax	Pmax	
COLD	comp=Z,2.2nm,0.6s,baz=341,slow=4.6,SNR=3.8	70.84 7	eP	P	14 57 52.0 +0.7
BOSA	Boshof	72.53 200	P	P	14 58 02.3 +0.4
BOSA	comp=Z,1.2nm,1.0s,baz=18,slow=6.4,SNR=2.8	72.53 200	P	P	14 58 02.3 +0.4
BOSA	Boshof		Pmax	Pmax	
COLA	comp=Z,4.0nm,1.0s	73.36 6	eP	P	14 58 06.5 +0.2
COLA	College		Pmax	Pmax	
COLA	comp=Z,8.8nm,0.8s	73.36 6	eP	P	14 58 06.5 +0.2
ILAR	comp=Z,9.0nm,0.8s	73.54 6	P	P	14 58 06.8 -0.5
ILAR	Eielson Array	73.54 6	P	P	14 58 06.9 -0.5
ILAR	comp=Z,1.0nm,0.7s	73.89 4	eP	P	14 58 11.0 +1.6
EGAK	Eagle	74.67 3	eP	P	14 58 13.3 -0.8
DAWY	Dawson		P	P	14 58 15.0 -0.7
FCC	comp=Z,9.2nm,0.7s	74.94 340	eP	P	14 58 15.0 -0.7
FCC	Fort Churchill		Pmax	Pmax	
FCC	comp=Z,4.6nm,0.6s	74.94 340	eP	P	14 58 15.0 -0.7
FCC	Fort Churchill		Pmax	Pmax	
YKA	comp=Z,5.0nm,0.6s	75.28 351	P	P	14 58 17.6 +0.1
YKA	Yellowknife Ar		P	P	14 58 17.7 +0.1
PKME	Yellowknife Ar	75.28 351	P	P	14 58 25.2 +0.8
PKME	Peaks-Kenny Pk		P	P	14 58 25.2 +0.8
LBNH	Lisbon	78.47 320	P	P	14 58 37.4 +1.5
ALFO	Alfred	78.82 322	P	P	14 58 38.4 +0.6
LONY	Lake Ozonia	79.45 322	P	P	14 58 42.2 +1.0
LONY	Lake Ozonia	79.45 322	P	P	14 58 40.3 -1.0
PEMO	Pembroke	79.85 324	P	P	14 58 44.2 +0.8
PLVO	Plevna	80.27 323	P	P	14 58 46.6 +1.0
DLBC	Dease Lake	80.40 358	P	P	14 58 45.0 -1.2
FFC	Flin Flon	80.49 342	eP	P	14 58 45.9 -0.8
FFC	Flin Flon	80.49 342	eP	P	14 58 45.9 -0.8
BANO	comp=Z,5.0nm,0.6s	80.66 324	P	P	14 58 48.9 +1.1
BANO	Bancroft		P	P	14 58 49.8 +0.7
DELO	Deloro Mine	80.91 323	P	P	14 58 50.1 +0.7
BUKO	Buck Lake	80.97 325	P	P	14 58 52.9 +1.3
KLBO	Kilbear Provi	81.39 325	P	P	14 58 56.5 +1.4
TOBO	Tobermory, Bru	82.05 326	P	P	14 58 57.0 +1.2
CLWO	Collingwood	82.15 325	P	P	14 58 58.3 +1.2
BMRO	Merville Lake	82.73 325	P	P	14 58 58.3 -0.7
BWLO	Walkerton	82.78 325	P	P	14 58 59.1 -0.5
ULM	Lac du Bonnet	82.94 337	P	P	14 58 59.2 -0.5
ULM	Lac du Bonnet	82.94 337	P	P	14 58 59.2 -0.5
ULM	comp=Z,5.0nm,0.5s	83.09 325	P	P	14 59 01.6 +1.1
BASO	Ashfield	83.60 325	P	P	14 59 03.1 -0.1
ELFO	Elginfield	83.60 325	P	P	14 59 03.1 -0.1
B35A	Bob, Littlelor	83.95 335	P	P	14 59 05.4 +0.5
A33A	Warroad	83.96 336	P	P	14 59 05.7 +0.7
C37A	Embarrass	84.00 334	P	P	14 59 06.3 +1.1
SSPA	Standing Stone	84.07 321	P	P	14 59 06.1 +1.2
EDM	Edmonton	84.11 348	eP	P	14 59 06.1 +0.4
EDM	Edmonton	84.11 348	eP	P	14 59 06.1 +0.4
EDM	comp=Z,12nm,0.6s	84.11 348	eP	P	14 59 06.1 +0.4
EDM	Edmonton		Pmax	Pmax	
B34A	comp=Z,12nm,0.6s	84.13 335	P	P	14 59 06.7 +0.8
B34A	Aery, Baudette		P	P	14 59 06.7 +0.8

M54A	Oil Creek Stat	84.21 323	P	P	14 59 07.2 +0.8
E39A	Mellen	84.60 332	P	P	14 59 09.2 +1.0
C35A	Jiri Farms, M	84.61 335	P	P	14 59 07.9 -0.4
F41A	Three Lakes	84.62 331	P	P	14 59 09.5 +1.0
O56A	Blue Knob Stat	84.68 321	P	P	14 59 09.8 +0.9
B32A	Ashes, Strandq	84.79 336	P	P	14 59 10.1 +0.9
D36A	Goodland	84.80 334	P	P	14 59 10.1 +0.8
B31A	Greenbush Farm	85.10 337	P	P	14 59 10.9 +0.1
F39A	Loretta	85.13 332	P	P	14 59 11.8 +0.8
E36A	McGregor	85.41 334	P	P	14 59 13.1 +0.7
G40A	Rib Lake	85.43 331	P	P	14 59 13.3 +0.9
F38A	Pierce - Schro	85.43 332	P	P	14 59 13.2 +0.8
D33A	AnnSam, Waubun	85.70 335	P	P	14 59 14.2 +0.4
G39A	Holcombe	85.76 332	P	P	14 59 14.7 +0.6
H41A	Junction City	85.78 330	P	P	14 59 13.9 -0.3
E34A	Wadena	86.04 335	P	P	14 59 16.5 +1.0
H40A	Chili	86.05 331	P	P	14 59 16.3 +0.8
F36A	Milaca	86.08 333	P	P	14 59 16.4 +0.8
G38A	Ridgeland	86.10 332	P	P	14 59 16.6 +0.8
I42A	Draeger Farm,	86.12 330	P	P	14 59 16.4 +0.5
H39A	Augusta	86.32 331	P	P	14 59 18.3 +1.4
I41A	Arkdale	86.34 330	P	P	14 59 17.9 +0.9
J43A	Natural Harves	86.37 329	P	P	14 59 18.1 +1.0
SPMN	Marine on St.	86.39 333	P	P	14 59 18.0 +0.8
SIJ	Sorong	86.47 94	P	P	14 59 17.9 -0.2
J42A	Columbus	86.69 329	P	P	14 59 18.4 -0.3
F41A	Loganville	86.99 330	P	P	14 59 21.0 +0.8
J33A	3 Mile Ranch,	87.00 335	P	P	14 59 21.3 +1.1
GUMO	Guam	87.09 75	LR	LR	15 42 01.4
I38A	Scantlyn Farm,	87.29 332	P	P	14 59 22.2 +0.8
L42A	Oliver, Polo	88.02 329	P	P	14 59 25.6 +0.4
WALA	Waterton Lakes	88.23 347	eP	P	14 59 25.9 -0.4
EGMT	Waterton	88.47 344	P	P	14 59 27.9 +0.7
EGMT	Eagleton	88.47 344	eP	P	14 59 27.0 -0.3
H32A	Carlson Farm,	88.55 335	P	P	14 59 29.2 +1.5
L40A	Anamosa	88.56 330	P	P	14 59 28.8 +1.1
LAO	LASA Array	88.96 342	P	P	14 59 31.4 +1.8
LAO	LASA Array	88.96 342	P	P	14 59 28.9 -0.8
ECSD	EROS Data Cent	88.98 334	P	P	14 59 30.6 +0.9
ECSD	EROS Data Cent	88.98 334	eP	P	14 59 29.5 -0.2
NEW	Newport	89.49 349	eP	P	14 59 34.6 +2.5
NEW	Newport	89.49 349	eP	P	14 59 33.2 +1.1
NEW	Newport	89.49 349	eP	P	14 59 33.2 +1.1
NEW	Newport		Pmax	Pmax	
RSSD	Black Hills	90.82 339	P	P	14 59 39.6 +1.1
RSSD	Black Hills	90.82 339	eP	P	14 59 39.1 +0.6
RSSD	Black Hills	90.82 339	eP	P	14 59 39.1 +0.6
RSSD	Black Hills		Pmax	Pmax	
P40A	comp=Z,4.0nm,0.6s	91.07 329	P	P	14 59 39.9 +0.5
RLMT	Red Lodge	91.13 343	P	P	14 59 40.7 +0.7
RLMT	Red Lodge	91.13 343	eP	P	14 59 37.6 -2.3
BOZ	Bozeman (W)	91.16 345	eP	P	14 59 38.7 -1.3
BOZ	Bozeman (W)	91.16 345	eP	P	14 59 38.7 -1.3
BOZ	Bozeman (W)		Pmax	Pmax	
Q40A	Laux Farm, Aus	91.54 329	P	P	14 59 42.2 +0.5
R41A	Rosebud	91.87 328	P	P	14 59 44.2 +0.9
S41A	Jilco Farms,	92.63 328	P	P	14 59 46.7 -0.1
K22A	Casper	92.83 341	P	P	14 59 47.5 -0.3
S40A	Lebanon	93.92 329	P	P	14 59 49.1 +1.0
T41A	Mountain View	93.11 328	P	P	14 59 49.1 +1.0
T40A	Mansfield	93.32 329	P	P	14 59 50.4 +0.5
PDAR	Pinedale Array	93.44 343	P	P	14 59 49.5 -1.2
FTIZ	Fitzroy Crossi	93.80 111	P	P	14 59 51.8 -0.4
MFID	Camas Ranch	94.00 347	eP	P	14 59 53.5 -0.2
N23A	Red Feather La	94.33 340	P	P	14 59 55.9 +1.0
WVOR	Wild Horse Val	95.42 349	eP	P	14 59 58.3 -1.3
WVOR	Wild Horse Val	95.42 349	eP	P	14 59 58.3 -1.3
WVOR	Wild Horse Val		Pmax	Pmax	
MOD	Modoc Plateau	96.16 350	P	P	15 00 03.2 +0.2
YBH	Yreka Blue Hor	96.61 352	LR	LR	15 45 55.4
NVAR	Mina Array Bea	99.29 348	P	P	15 00 16.2 -1.1
WRA	Warramunga Arr	101.20 107	P	P	15 00 24.5 -1.2
WRA	Warramunga Arr	101.20 107	P	P	15 00 25.0 -0.7
ASAR	Alice Springs	103.26 110	P	P	15 00 34.3 -0.5
ASAR	Alice Springs	103.26 110	P	P	15 00 34.3 -0.5
SNA	Sanea	118.16 196	PKP	PKP	15 05 24.8 +4.0
VNA2	Neumayer-Watz	118.59 198	PKP	PKP	15 05 22.0 +0.4
LPZA	La Paz	119.17 274	PKP	PKP	15 05 25.9 +0.9
LPZA	La Paz	119.17 274	PKP	PKP	15 05 26.0 +0.9
VNA3	Neuher Olymp	119.34 198	PKP	PKP	15 05 23.1 0.0
PLCA	Paso Flores	133.69 249	PKP	PKP	15 05 52.4 +1.0
PLCA	Paso Flores	133.69 249	PKP	PKP	15 05 52.4 +1.0
PLCA	comp=Z,1.0nm,0.4s		Pmax	Pmax	

M51 3.9/6, m1mx3.6/29, Error ellipse: s-maj=18.3km  
s-min=9.0km az=174.0  
MOS 18 14:47:19.5:1.2,41:31N:46:77E,h10km,mb5,1/37,  
M54.3/4, Error ellipse: s-maj=6.9km s-min=4.4km az=90.3  
MOS Felt (II) at Akhty.  
AZER 18 14:47:20.6:0.5,41:52N:46:64E,h10km,ml5.0  
NSSP 18 14:47:21.5,41:53N:46:53E,h10km,Ms4.6  
CSEM 18 14:47:21.7:0.1,41:48N:46:75E,h10km,mb5.0/35,Ms4.4,  
Error ellipse: s-maj=4.0km s-min=3.4km az=24.0  
NEIC 18 14:47:22.4:1.0,41:44N:46:79E,h18km,5km,mb5,1/38,  
ML4,(AZER), Error ellipse: s-maj=6.8km s-min=4.4km  
az=180.0  
ISCJ 18 14:47:23.3:0.3,41:52N:0:02:46:74E:0:02,h27km,2km,  
mb5.0/99, Error ellipse: s-maj=2.8km s-min=2.5km  
az=32.0  
ISC 18 14:47:23.1:0.6,41:48N:0:02:46:75E:0:02,h19km,2km,  
n417, s123/465,mb5.1/98,23-28D,Eastern Caucas



Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like B35A Bob, Littlefor, E41A Kenton, A33A Warrard, C37A Embarrass, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like DLMT Dillon, F10A Beach Ranch, YH0 Holmes Hill, R41A Rosebud, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like TBLG Dubki, DBC Dubki, GNI Garni, etc.

MEX 15:08:18.2d.0.5, 16:41N-98.41W, h5km±10km, MD3.5, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like PNIG Pinotepa, TLIG Tlatapa, VHO Vista Hermosa, etc.

ICD 18:15:12.01:7.1, 7.3:10S:142'43E, h0km, mb4.1/4, mb1 4.3/6, mb1mx3.749, mbtmp4.2/6, ML4.2/1, MS3.8/2, Ms1 3.8/2, ms1mx2.7/54, Error ellipse: s-maj=37.6km s-min=27.4km az=114.0

ISCJB 18:15:12.04:4.1, 3.3:2S:0.1:142'5E:0.1, h27km, mb3.9/4, MS3.7/2, Error ellipse: s-maj=20.8km s-min=12.3km az=37.4

ISC 18:15:12.05:9.1.5.3:1S:0.2:142'4E:0.1, h27km, n10, 0:0577, mb3.9/4, Near north coast of New Guinea

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

ICD 18:15:16:05.6:2.3, 39:07N-143:69E, h0km, mb3.6/4, mb1 3.7/6, mb1mx3.470, mbtmp3.6/6, ML3.1/2, Error ellipse: s-maj=52.2km s-min=26.4km az=79.0

JMA 18:15:16:08:2.0.1, 39:01N-143:39E, h1km±3km, M3.3, ISC 18:15:16:06:3.3.5, 39:06N-105:143'49E:0.08, h3km±22km, n23, c134/32, mb3.5/4, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like MIYJ Miyakonagasawa, OFUJ Ofunato, JTH Tanohata, etc.

ISCJB 18:15:31:33.9:0.2, 32:76S:0.02:179:61E:0.05, h340km, mb4.5/6, Error ellipse: s-maj=6.3km s-min=2.9km az=16.7

NEIC 18:15:31:33.2:0.6, 32:71S:179:65E, h325km±6km, mb4.6/11, Error ellipse: s-maj=10.7km s-min=7.2km az=116.0

WEL 18:15:31:35.3, 33:56.18:0W:1.3, h301km±12km, ICD 18:15:31:37.2:1.1, 32:59S:179:58E, h355km±9km, mb4.3/24, mb1 4.3/25, mb1mx4.1/46, mbtmp4.9/25, Error ellipse: s-maj=8.9km s-min=7.6km az=155.0

ISC 18:15:31:34.6:0.3, 32:79S:0.04:179:72E:0.06, h340km, n257, c2849/279, mb4.5/35, 4C-2D, South of Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like GLEK Green Lake, RAO Raoul Island, RIZ Raoul Island, etc.



Table with columns for station name, frequency, and other details. Includes stations like WIAZ, WHRZ, WHRZ, WIGZ, etc.

Table with columns for station name, frequency, and other details. Includes stations like LBZ, ODV, MSVF, DZM, etc.

Table with columns for station name, frequency, and other details. Includes stations like LIC, KIC, TIC, DBIC, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like UPC, DPC, PVCC, KRLC, PRA, GPC, PRU, CLL, MORC, OKK, KRAC, VRAC, KRUC, NKC, KJC, OJC, KHC, KHC.

NEIC 18 16:13:16.4:0.8, 4.66N-94.89E, h10km, mb4.1/3, Error ellipse: s-maj=32.0km s-min=10.1km az=45.0

DJA 18 16:13:18.5:1.2 N5.9 S5.6E, h10km, MK3.9/4, MLV3.9/4

ISCJJB 18 16:13:19.3:0.5, 4.51N-0.06E-94.89E:0.05, h48km, mb4.1/18, MS2.7/1, Error ellipse: s-maj=10.2km

ISC 18 16:13:23.6:4.3, 4.65N-95.06E, h67km, mb3.8/15, mb1.3/9, mb1mx2.3/66, mbtmp.4/16, ML3.6/1, MS2.6/2, Ms1.2/72, ms1mx2.3/66, Error ellipse: s-maj=41.4km

ISC 18 16:13:21.3:0.7, 4.60N:0.08E-94.96E:0.09, h48km, n41, o587/41, mb4.1/18, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BSI, MSLI, LHMI, TPTI, KCSI, PSI, CMAR, JIRN, GUN, GKN, KOLN, H08S2, H08S3, H08S1, DANN, PYUN, AAK, MKAR, JNU, SONM, KSAR, KSRS, WRA, WRAB, GEYT, ASAR, KURBB, KURK, ZALV, BVAR, BRVK, BRTR, TIXI, AKASA, FINES, ARCES, GERESS, HFS.

SPITS Spitsbergen Ar 83.19 348 P P 16 25 40.5 -1.4

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GLKZ, RAO, RIZ, MXZ, WMGZ, KUZ, HAZ, PKGZ, PKGZ, WUZ, WIAZ, TWGZ, ONRZ, CNGZ, URZ, URZ, RAGZ, RIGZ, MUGZ, RTZ, PRGZ, RAHZ, MTHZ, TLZ, MRHZ, NMHZ, ARHZ, BKZ, HIZ, KWHZ, BHZ, KAHZ, TRVZ, KRHZ, MOVZ, PRZ, PKZ, VNZ, TSZ, DVHZ, ANWZ, POWZ, BFZ, DZM, ASAR, WRA, FINES, HFS.

ISC 18 16:36:28.9:5.1, 22.52N-94.48E, h109km, mb3.5/7, mb1.3/6.7, mb1mx3.1/74, mbtmp.3/8.7, MS3.4/1, Ms1.3/4.1, ms1mx2.3/58, Error ellipse: s-maj=142.4km s-min=13.1km az=58.0

ISC 18 16:36:27.9:0.8, 22.1N:0.1E-94.0E:0.1, h100km, n20, o1996/32, mb3.8/7, Myanmar-India border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JIRN, GUN, GUN, PKI, PKI, PKI, PKI, KKN, KKN, DMN, DMN, GKN, GKN, KOLN, KOLN, DANN, DANN, DANN, PYUN, PYUN, MKAR, MKAR, KURBB, KURBB, LEM, LEM, ZALV, ZALV, BVAR, BVAR, ASAR, ASAR, FINES, FINES.

NEIC 18 16:46:21.2:2.0, 19.63N-67.43W, h10km, MD3.3(RSPR), After RSPR

RSPR 18 16:46:21.2, 19.63N-67.43W, h10km, MD3.4/10, 16C-4D, Mona Passage

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AGPR, AGPR, AOPR, AOPR, EMPR, EMPR, LSP, LSP, CRPR, CRPR, CELP, CELP, OBIP, OBIP, OBIP, OBIP, HUMP, HUMP, MTP, MTP, SDDR, SDDR.

NEIC 18 16:51:16.7:0.0, 37.19N:118.09W, h8km, MW3.2(NCEDC), After NCEDC

ISC 18 16:51:16.7:1.0, 37.19N:0.02E-118.09W:0.02, h7km, g8km, n90, o994/121, California-Nevada border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TIN, TIN, POCOA, POCOA, MFBM, MFBM, MLNR, MLNR, MCDM, MCDM, SCICA, SCICA, RCRC, RCRC, MRCM, MRCM, GRAC, GRAC, GRAC, GRAC, ORC, ORC, ORC, ORC, BENV, BENV, MCN, MCN, MLAC, MLAC, MLAC, MLAC, MDRC, MDRC, CWC, CWC, MCMC, MCMC, MLHM, MLHM, MGPM, MGPM, MLCM, MLCM, BONR, BONR, MCBM, MCBM, MCMH, MCMH, MSLM, MSLM, ANTEA, ANTEA, MEMM, MEMM, MOMB, MOMB, MMLB, MMLB, MLKM, MLKM, MPMH, MPMH, LMCRC, LMCRC, MMSM, MMSM, MVMH, MVMH, MRDM, MRDM, MINS, MINS, MDCM, MDCM, DAC, DAC, LHV, LHV, FURC, FURC, FURC, FURC, MPMC, MPMC, MPMC, MPMC, NV11, NV11, NV01, NV01, NV01, NV01, VPMM, VPMM, RCWM, RCWM, FRIAN, FRIAN.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MMIM Miami Mountain, RYN Ryan, TPNV Topopah Spring, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MOR8 Moi Rana, ARAO ARCESS Array S, ARAO ARCESS Array S, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GSI Gunungitoli, WRAB Tennant Creek, WRA Warramunga Arr, etc.

ISCJB 18 17:00:51.9-0.4, 67.06N-0102.2095E-0.08, h0km, Error ellipse: s-maj=4.5km s-min=3.0km az=166.9

ICD 18 17:00:53.0-0.8, 67.08N-21.19E, h0km, mb1 3.2/5, mb1mx2.9/7.4, mbtmp3.2/5, ML2.6/4, Error ellipse: s-maj=14.9km s-min=7.3km az=105.0

NAO 18 17:00:52.6-0.1, 67.07N-20.85E, h0km, ML2.5 UPP 18 17:00:52.5-0.1, 67.07N-20.94E, h0km, ML1.8

CSEM 18 17:00:52.3-0.3, 67.09N-20.90E, h0km, ML1.8, Error ellipse: s-maj=5.3km s-min=4.3km az=104.0, Mining explosion.

HEL 18 17:00:53.0-0.1, 67.08N-20.95E, h0km, ML2.1, ML1.8(UPP), Explosion

BER 18 17:00:54.8-2.7, 67.07N-20.57E, h0km, ML1.7, ML2.5(NAO), Suspected explosion

ISC 18 17:00:52.3-0.7, 67.08N-0102.2094E-0.02, h0km, m64, r1524/91, Sweden

MAN 18 17:05:29.0, 13.33N-120.90E, h19km, mb4.4, ML3.3, MS3.1, Mindoro

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LUBP Lubang, SJMP San Jose, BOAC Boac, etc.

BUI 18 17:06:00.5, 2.89N-122.98E, h520km, mb4.5/25, mb4.5/16

ISCJB 18 17:06:04.6-0.3, 3.30N-0104.1230E-0.05, h546km, 4km, mb4.3/47, Error ellipse: s-maj=8.2km s-min=5.3km

NEIC 18 17:06:05.0-2.5, 3.37N-123.09E, h537km, 7km, mb4.6/15, Error ellipse: s-maj=14.6km s-min=6.1km az=51.0

DJA 18 17:06:06.0-0.4, 3.37N-123.04E, h548km, 12km, mb3.5/21, mb4.2/12, mb4.8/5, MLv4.4/10, Mw(mb)4.0/5

ISC 18 17:06:06.1-0.9, 3.37N-123.04E, h548km, 12km, mb3.5/21, mb1.3/6/24, mb1mx3.3/64, mbtmp4.5/24, Error ellipse: s-maj=15.3km s-min=7.2km az=64.0

ISC 18 17:06:05.4-0.5, 3.26N-123.08E-0.07, h540km, 6km, n89, r136/108, mb4.4/47, 2C, Celebes Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KMSI Cibinong, MRSI Marisa, LWSI Luwuk, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DMN Daman, GKN Gorkha, ASAJ Asahikawa, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MAN 18 17:18:52.3, 7.77N-124.58E, h10km, mb4.9, ML3.8, MS3.8, 1C-1D, Mindanao









H08S3 Diego Garcia H 43.89 325 T T 19 44 54.0
bazz=156
CMAR Chiang Mai Arr 64.82 3 P P 19 00 55.4 0.0
0.9nm, 0.8s, bazz=193, slow=6.2, SNR=6.0

MAN 18 18:51:33.5, 17.26N, 119.94E, h9km, mb4.3, ML3.1, MS2.8,
Philippine Islands region
Code Station Name Az AZ Phase ID Time Res
ISC h m s ISC

MAN 18 18:53:29.6, 8.23N, 124.72E, h1km, mb4.7, ML3.6, MS3.6,
1C, Mindanao
Code Station Name Az AZ Phase ID Time Res
ISC h m s ISC

MEX 18 19:07:54.2, 0.7, 17.58N, 99.39W, h13km, 6km, MD3.5,
Guerrero

Code Station Name Az AZ Phase ID Time Res
ISC h m s ISC
TLIG Tlapa 0.79 91 eP Sg 19 08 07.2 -2.3
TLIG Tlapa 0.79 91 eS Sg 19 08 17.4 -2.4

MEX 18 19:26:45.6, 0.3, 16.27N, 98.40W, h3km, 3km, MD3.7, Near
coast of Guerrero

Code Station Name Az AZ Phase ID Time Res
ISC h m s ISC
PNIG Pinotepa 0.29 65 iP Sg 19 26 50.9 -0.4
PNIG Pinotepa 0.29 65 iS Sg 19 26 55.3 +0.3

NIED 18 19:35:00, 37.60N, 142.00E, h11km, Mw3.3 Best double
couple: M0.96000, 1013 NP1.00300000, 837.00000,
lambda=65.00000, NP2.0092.00000, 857.00000,
lambda=108.00000.

JMA 18 19:35:11.5, 0.1, 37.60N, 142.04E, h25km, 2km, M3.8, Off
east coast of Honshu

Code Station Name Az AZ Phase ID Time Res
ISC h m s ISC
JFK Kawauchi 0.96 256 P S 19 35 28.9 -0.5
JFK Kawauchi 0.96 256 eS Pn 19 35 41.1 -0.6

SKO 18 19:38:17.7, 41.62N, 19.23E, h15km, M2.5, ML3.0
TIR 18 19:38:30.2, 41.50N, 20.30E, h9km, Md2.9/5
BEO 18 19:38:30.3, 0.6, 41.34N, 20.26E, h3km, 4km

ATH 18 19:38:31.6, 41.62N, 20.32E, h14km, 1km, ML2.8/6, Error
ellipse: s-maj=3.6km, s-min=1.8km, az=145.0,
THE 18 19:38:32.5, 41.58N, 20.36E, h0km, 2km, ML2.8/7, Error
ellipse: s-maj=2.0km, s-min=0.7km, az=300.0,
PDG 18 19:38:33.1, 0.6, 41.54N, 20.24E, h3km, 1km, ML3.0/13,
Error ellipse: s-maj=0.9km, s-min=1.0km, az=0.0,
CSEM 18 19:38:33.3, 0.2, 41.54N, 20.27E, h10km, ML2.8, Error
ellipse: s-maj=5.4km, s-min=2.9km, az=49.0,
ISC 18 19:38:33.1, 0.9, 41.53N, 20.1, 20.26E, 0.02, h12km, 7km,
n143, c165/225, 26C-18D, Albania

Code Station Name Az AZ Phase ID Time Res
ISC h m s ISC
PHP Peshkopia 0.20 40 Op P 19 38 36.7 -0.8
PHP Peshkopia 0.20 40 iS P 19 38 36.7 -0.8

Code Station Name Az AZ Phase ID Time Res
ISC h m s ISC
OHR Ohrid 0.58 137 iP P 19 38 40.9 +3.4
OHR Ohrid 0.58 137 iS P 19 38 52.6 -0.8

Code Station Name Az AZ Phase ID Time Res
ISC h m s ISC
PUK Puka 0.58 331 iP P 19 38 43.7 -0.9
PUK Puka 0.58 331 iS P 19 38 54.2 +0.6

Code Station Name Az AZ Phase ID Time Res
ISC h m s ISC
KRUS Krusevo 0.75 102 iP P 19 38 45.9 -1.8
KRUS Krusevo 0.75 102 iS P 19 38 57.5 -0.1

Code Station Name Az AZ Phase ID Time Res
ISC h m s ISC
BIC Bajram Curri 0.85 350 iP P 19 39 02.6 +1.4
BIC Bajram Curri 0.85 350 iS P 19 38 48.7 -1.5

Code Station Name Az AZ Phase ID Time Res
ISC h m s ISC
ULC Ulcinj 0.88 299 iP P 19 39 02.7 +0.5
ULC Ulcinj 0.88 299 iS P 19 38 48.7 -1.5

Code Station Name Az AZ Phase ID Time Res
ISC h m s ISC
BIA Bitola 0.94 123 S P 19 39 03.5 -0.1
BIA Bitola 0.94 123 iP P 19 38 49.5 -1.8

PVY 19 39 09.8 +0.5
PEJK Peje 1.11 0 P S 19 38 54.2 -0.1
PEJK Peje 1.11 0 S S 19 39 06.0 -2.9

FNA Florina 1.12 132 P S 19 38 52.7 -2.0
FNA Florina 1.12 132 P S 19 39 12.1 +1.2
FNA comp=E, 1949um, 0.3s AML AML 19 39 12.7

FNA Florina 1.12 132 P S 19 38 52.5 -2.2
FNA Florina 1.12 132 P S 19 39 00.0 0.0
FNA Florina 1.12 132 P S 19 38 53.1 -1.6

PDG Podgorica 1.18 320 eP Sg 19 38 53.6 -2.1
PDG Podgorica 1.18 320 iP Sg 19 39 12.9 +1.6
PDG Podgorica 1.18 320 iS Sg 19 39 02.5 -8.5

PDG Podgorica 1.18 320 P S 19 39 12.3 +1.0
PDG Podgorica 1.18 320 eP P 19 38 53.2 -2.5
PDG Podgorica 1.18 320 P S 19 38 54.2 -1.5

PDG Podgorica 1.18 320 P S 19 39 12.3 +1.0
PDG Podgorica 1.18 320 iP Sg 19 38 54.1 -1.6
PDG Podgorica 1.18 320 iS Sg 19 39 12.5 +1.2

PDG Podgorica 1.18 320 P S 19 38 55.8 -1.6
PDG Podgorica 1.18 320 P S 19 38 56.7 -0.7
PDG Podgorica 1.18 320 P S 19 39 14.3 +0.7

PDG Podgorica 1.18 320 P S 19 39 15.9 +1.8
PDG Podgorica 1.18 320 P S 19 39 55.9 -1.9
PDG Podgorica 1.18 320 P S 19 39 15.9 +1.8

PDG Podgorica 1.18 320 P S 19 39 58.5 +0.4
PDG Podgorica 1.18 320 P S 19 39 02.2 +1.5
PDG Podgorica 1.18 320 P S 19 39 19.1 +2.9

PDG Podgorica 1.18 320 P S 19 38 58.5 +0.4
PDG Podgorica 1.18 320 P S 19 39 19.1 +2.9
PDG Podgorica 1.18 320 P S 19 38 58.8 -0.2

PDG Podgorica 1.18 320 P S 19 39 21.1 +3.3
PDG Podgorica 1.18 320 P S 19 39 21.1 +3.3
PDG Podgorica 1.18 320 P S 19 39 21.1 +3.3

PDG Podgorica 1.18 320 P S 19 39 21.1 +3.3
PDG Podgorica 1.18 320 P S 19 39 21.1 +3.3
PDG Podgorica 1.18 320 P S 19 39 21.1 +3.3

PDG Podgorica 1.18 320 P S 19 39 21.1 +3.3
PDG Podgorica 1.18 320 P S 19 39 21.1 +3.3
PDG Podgorica 1.18 320 P S 19 39 21.1 +3.3

PDG Podgorica 1.18 320 P S 19 39 21.1 +3.3
PDG Podgorica 1.18 320 P S 19 39 21.1 +3.3
PDG Podgorica 1.18 320 P S 19 39 21.1 +3.3

VTS Vitoshka 2.43 63 iP P 19 39 18.7 -1.0
VTS Vitoshka 2.43 63 S Sg 19 39 52.1 +1.0

VTS Vitoshka 2.43 63 eP Pn 19 39 13.0 +0.3
VTS Vitoshka 2.43 63 eS Sg 19 39 12.9 +0.5
VTS Vitoshka 2.43 63 eP Pn 19 39 13.3 +0.1

VTS Vitoshka 2.43 63 eS Sg 19 39 14.2 +0.1
VTS Vitoshka 2.43 63 eP Pn 19 39 14.3 +0.2
VTS Vitoshka 2.43 63 eS Sg 19 39 15.2 +0.5

VTS Vitoshka 2.43 63 eP Pn 19 39 49.7 -1.1
VTS Vitoshka 2.43 63 eS Sg 19 39 15.2 +0.5
VTS Vitoshka 2.43 63 eP Pn 19 39 49.7 -1.1

VTS Vitoshka 2.43 63 eS Sg 19 39 17.6 +1.4
VTS Vitoshka 2.43 63 eP Pn 19 39 17.6 +1.4
VTS Vitoshka 2.43 63 eS Sg 19 39 16.1 -0.2

VTS Vitoshka 2.43 63 eP Pn 19 39 18.6 +2.2
VTS Vitoshka 2.43 63 eS Sg 19 39 48.5 -0.6
VTS Vitoshka 2.43 63 eP Pn 19 40 04.3

VTS Vitoshka 2.43 63 eS Sg 19 39 17.7 +1.3
VTS Vitoshka 2.43 63 eP Pn 19 39 49.1 0.0
VTS Vitoshka 2.43 63 eS Sg 19 39 17.7 +0.8

VTS Vitoshka 2.43 63 eP Pn 19 39 17.7 +0.8
VTS Vitoshka 2.43 63 eS Sg 19 39 49.8 -2.5
VTS Vitoshka 2.43 63 eP Pn 19 39 20.5 -0.7

VTS Vitoshka 2.43 63 eS Sg 19 39 20.5 -0.7
VTS Vitoshka 2.43 63 eP Pn 19 39 22.7 +1.3
VTS Vitoshka 2.43 63 eS Sg 19 39 22.7 +1.3

VTS Vitoshka 2.43 63 eP Pn 19 39 24.0 +1.1
VTS Vitoshka 2.43 63 eS Sg 19 39 29.4 +0.1
VTS Vitoshka 2.43 63 eP Pn 19 39 32.5 -0.3

VTS Vitoshka 2.43 63 eS Sg 19 39 30.5 -2.7
VTS Vitoshka 2.43 63 eP Pn 19 39 32.5 -0.7
VTS Vitoshka 2.43 63 eS Sg 19 39 36.9 0.0

VTS Vitoshka 2.43 63 eP Pn 19 40 23.4 -2.4
VTS Vitoshka 2.43 63 eS Sg 19 39 45.8 +2.3
VTS Vitoshka 2.43 63 eP Pn 19 39 45.4 -0.3

VTS Vitoshka 2.43 63 eS Sg 19 40 38.8 -2.8
VTS Vitoshka 2.43 63 eP Pn 19 40 38.8 -2.8
VTS Vitoshka 2.43 63 eS Sg 19 40 38.8 -2.8

VTS Vitoshka 2.43 63 eP Pn 19 40 39.3 +1.7
VTS Vitoshka 2.43 63 eS Sg 19 40 14.8 -0.6
VTS Vitoshka 2.43 63 eP Pn 19 40 39.3 +1.7

BEO 18 19:49:39.5, 0.7, 41.20N, 20.13E, h4km, 4km

PDG 18 19:49:44.6, 0.3, 41.42N, 20.16E, h3km, ML2.6/13, Error
ellipse: s-maj=0.7km, s-min=0.7km, az=90.0

CSEM 18 19:49:45.2, 0.2, 41.63N, 20.36E, h5km, ML2.3, Error
ellipse: s-maj=7.8km, s-min=3.8km, az=48.0

THE 18 19:49:45.1, 41.51N, 20.29E, h2km, 43km, ML2.3/3, Error
ellipse: s-maj=43.1km, s-min=9.9km, az=46.0

ATH 18 19:49:47.2, 41.57N, 20.50E, h27km, 2km, ML2.2/3, Error
ellipse: s-maj=4.9km, s-min=2.8km, az=174.0

TIR 18 19:49:47.2, 41.80N, 20.72E, h9km, Md2.6/4
ISC 18 19:49:45.0, 0.8, 41.55N, 20.02, 20.33E, 0.02, h11km, 6km,
n76, c1970/122, 9C-14D, Albania

Code Station Name Az AZ Phase ID Time Res
ISC h m s ISC
PHP Peshkopia 0.16 32 Op P 19 49 49.1 -1.0

PHP Peshkopia 0.16 32 P P 19 49 49.1 -1.0
PHP Peshkopia 0.16 32 iS Sg 19 49 53.8 +2.5
PHP Peshkopia 0.16 32 iP P 19 49 47.7 -1.0

OHR Ohrid 0.56 141 iP P 19 49 55.5 -0.5
PUK Puka 0.59 327 iP P 19 49 53.1 -3.4
PUK Puka 0.59 327 iS P 19 49 56.2 -8.2

KRUS Krusevo 0.72 104 iP P 19 49 58.3 -0.3
ULC Ulcinj 0.91 298 iP P 19 50 00.8 -1.7
ULC Ulcinj 0.91 298 iS P 19 50 14.3 -0.1

ULC Ulcinj 0.91 298 iP P 19 50 14.3 -0.1
ULC Ulcinj 0.91 298 iS P 19 50 15.5 -1.2
BIA Bitola 0.92 125 P P 19 50 16.3 -0.8

BIA Bitola 0.92 125 eP Sg 19 50 02.0 -0.7
BIA Bitola 0.92 125 P P 19 50 15.5 -1.2
BIA Bitola 0.92 125 P P 19 50 16.3 -0.8

KBN Korca 0.99 159 iP Pn 19 49 55.5 -8.6
KBN Korca 0.99 159 iS Pn 19 50 21.4 +2.6

DRME Dracevica, Mon 1.07 307 eP P 19 50 03.8 -1.6
DRME Dracevica, Mon 1.07 307 eS Sg 19 50 20.9 +0.2

DRME Dracevica, Mon 1.07 307 eP P 19 50 03.8 -1.6
DRME Dracevica, Mon 1.07 307 eS Sg 19 50 20.9 +0.2

PVY Plav 1.08 345 eP Sg 19 50 05.9 -0.3
PVY Plav 1.08 345 eS Sg 19 50 24.8 +3.5

FNA Florina 1.10 134 P S 19 50 21.6 0.0
FNA Florina 1.10 134 P S 19 50 07.9 +1.8

PDG Podgorica 1.19 318 eP Sg 19 50 01.6 -0.9
PDG Podgorica 1.19 318 eS Sg 19 50 24.9 -2.7

PDG Podgorica 1.19 318 eP Sg 19 50 23.5 -0.2
PDG Podgorica 1.19 318 eS Sg 19 50 05.9 +0.3

PDG Podgorica 1.19 318 eP Sg 19 50 25.5 +1.8
PDG Podgorica 1.19 318 eS Sg 19 50 06.5 -1.1
PDG Podgorica 1.19 318 eP Sg 19 50 06.8 -0.8













18d 21h

Table with columns for station call letters, station name, frequency, and signal strength. Includes stations like ABKAR Akbulak array, KBL Kabul, AKTO Aktyubinsk, etc.

2012 MAY

Table with columns for station call letters, station name, frequency, and signal strength. Includes stations like VSR comp=Z,20nm,0.9s, N02D comp=Z,2um,15.0s, MAK Makhachkala, etc.

992

Table with columns for station call letters, station name, frequency, and signal strength. Includes stations like NACGM AKH Akhalkalaki, DLMT Dillon, WAKR Walker, etc.





Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like KSH Kashi, INK Inuvik, SVS Sverdlouvs, ARU Arti, WRA Warramunga Arr, YKA Yellowknife Arr, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like PDAR Pinedale Array, SWP Soroca, KWP Kalwaripa Pacla, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like KSRS Korea Array, ASAJ Asahikawa, USRK Ussuriysk Arr, etc.

NNC 18 21:38:30.4z.2.4.38.65N:70.00E, h0km, mb4.3, mpv4.0, Error ellipse: s-maj=19.6km s-min=14.6km az=6.0

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like SFK Sufi-Kurgan, SFK 72nm.0.6s, MNAS MNAS, etc.

IDC 18 21:41:47.1z.2.4.9.51S:112.76E, h0km, mb3.7/6, mb1.3/8.7, mb1mx3.5/59, mbtmp3.7/7, ML3.7/1, Error ellipse: s-maj=123.4km s-min=19.1km az=49.0

ISCJB 18 21:41:50.7z.0.8.9.70S:0.05E:112.77E, h0km, mb3.6/6, mb3.7/6, Error ellipse: s-maj=9.1km s-min=7.7km az=62.2

DJA 18 21:41:56.9z.0.6.9.54S:4.113E, h10km, M4.0, 0.9, MLV4.0/9, Error ellipse: s-maj=11.1km s-min=9.1km az=112.78E, h0km, mb3.6/6

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

IDC 18 21:50:57.3z.2.0.3.50N:95.61E, h46km, 9km, mb3.5/5.7, mb1.3/7.9, mb1mx3.4/68, mbtmp3.7/9, ML3.6/2, Error ellipse: s-maj=63.1km s-min=15.8km az=53.0

ISC 18 21:50:57.4z.1.6.3.6N:0.2E:95.7E, h0km, mb2.0, h3km, n2z, az=192.0, mb3.9/7, Off west coast of northern Sumatera

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like Code Station Name, PSI Prapat, PSI 2.3nm, etc.











19d Oh

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KHC Kasperske Hory, EKA Konrad Observa, GEC2 GERESS Array S, etc.

19d Oh
IDC 19 00:09:49.8, 1.1, 38.43N, 43.30E, h0km, mb3.7/10,
mb1 3.7/16, mb1mx3.5/73, mbtmp3.6/16, ML2.8/5, MS2.7/6,
Ms1 2.7/6, ms1mx2.4/63, Error ellipse: s-maj=19.4km
s-min=11.2km, az=160.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TUTA Tutak, EKA Karacoban, GEC2 GERESS Array B, etc.

19d Oh
IDC 19 00:09:50.9, 38.74N, 43.15E, h5km, ML3.8/19
ISN 19 00:09:50.5, 0.8, 38.68N, 43.13E, h10km, 51km, ML3.9
ATA 19 00:09:51.6, 0.8, 38.76N, 43.18E, h9km, 10km, ML4.3,
MW4.3
DDA 19 00:09:52.0, 38.75N, 43.22E, h2km, M14.0
CSEM 19 00:09:53.0, 0.1, 38.73N, 43.18E, h10km, ML3.8, Error
ellipse: s-maj=3.4km, s-min=2.8km, az=159.0
ISC 19 00:09:53.3, 0.8, 38.74N, 0.01, 43.19E, 0.01, h13km, 6km,
n188, s1925/243, mb3.7/9, 120-39D, Turkey

2012 MAY

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SVRC Sivrice-ELAZID, DGRG David-gareji, BTNK Botanikuri, etc.

NNC 19 00:12:27.7, 3.3, 38.66N, 70.29E, h0km, mb3.8, mpv3.4,
100-7D, Error ellipse: s-maj=23.4km s-min=18.3km
az=25.0, Afghanistan-Tajikistan border region
Code Station Name Az Az' Phase ID Time Res ISC
SFK Sufi-Kurgan 2.83 60 Op ISC h m s I2C
19 00:13:19.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like GAZI Gazipasa, MNVG Manavgat-Antal, etc.

Table with columns: EKAR, EAS, Sb, Time, Res, ISC. Lists stations like TUTA Tutak, VRTB Varto-Mus, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like TGY Tagaytay City, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like KTMES Ketmen, PDGK Podgornje, etc.

NIED 19 01:43:00, 39.60N, 143.50E, h17km, Mw3.7 Best double
center: M=4.20000, N1=155.00000, S2=0.00000,
T2=0.00000, NP2=39.00000, S80=0.00000, N11.00000.

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

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

TIR 19 01:46:45.2, 40.59N, 19.74E, h1km, Md3.1/5
BEO 19 01:46:46.7, 40.65N, 19.62E, h2km, h2km, 6km
CSEM 19 01:46:46.4, 40.65N, 19.68E, h2km, ML2.3, Error

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like SRN Sarande, KBN Korca, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like KTMES Ketmen, PDGK Podgornje, etc.

JMA 19 01:43:31.9, 0.2, 39.61N, 143.52E, h28km, M3.7
ISC 19 01:43:31.5, 0.9, 39.60N, 143.48E, 0.08, h1km, n30,
=1920/31, mb3.6/8, MS3.3/4, Off east coast of Honshu

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

ATA 19 00:40:55.3, 1.3, 39.25N, 42.27E, h20km, 5km, ML2.5,
MW2.5

CSEM 19 00:40:55.9, 39.18N, 42.30E, h15km, ML2.0
ISK 19 00:40:55.9, 39.18N, 42.30E, h15km, ML2.0/3
ISCJB 19 00:40:56.2, 0.6, 39.20N, 0.4, 42.30E, 0.04, h14km, 5km,

Error ellipse: s-maj=7.0km s-min=4.4km az=152.6
ISC 19 00:40:55.9, 1.3, 39.21N, 0.03, 42.29E, 0.03, h14km, 10km,

n16, c=953/26, 1, C, Turkey Time Res
Code Station Name Az Phase ID Time Res ISC

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

ISC 19 01:46:46.0, 1.2, 40.63N, 0.02, 19.63E, 0.02, h1km, 10km,
n82, c1505/127, Albania

ISC 19 01:05:55.6, 1.0, 13.83N, 119.27E, h0km, mb3.4/6,
mb1 3.6/6, mb1mx3.4/6, mb1mp3.4/6, Error ellipse:
s-maj=25.0km s-min=18.5km az=37.0

ISCJB 19 01:05:58.1, 0.8, 13.8N, 0.1, 119.18E, 0.07, h30km,
mb3.3/5, Error ellipse: s-maj=18.2km s-min=10.0km
az=2.6

ISC 19 01:05:59.8, 1.1, 13.9N, 0.2, 119.36E, 0.08, h30km, n7,
c=953/8, mb3.4/5, Philippine Islands Region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like TGY Tagaytay City, CMAR Chiang Mai Arr, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H11S2 WAKE ISLAND, MKAR Makanchi Array, KURBB Kurchatov Arra, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BUJR Buynaksk, BUJR Buynaksk, BUJR Buynaksk, QUBA Quba, Azerbaijan, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PRTR Priterechnaya, KAR Kars, KARS Kars, EPOS Posof, etc.

MEX 19 01:56:48.9,0.4, 16'08N:98'34W, h8km, 3km, MD3.6, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PNIG Pinotepa, PNIG Pinotepa, TLIG Tlaxiapa, etc.

MEX 19 02:01:00.7,0.9, 41'27N:46'80E, h0km, mb3.5/5, mb1.3/6/10, mb1mx3.4/62, mbtmp3.5/10, ML3.2/5, MS2.0/2, Ms1.2/0.2, ms1mx1.8/50, Error ellipse: s-maj=16.5km s-min=11.2km az=152.0

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

MEX 19 02:01:00.5, 41'47N:46'60E, h10km, Ms3.7, AZER 19 02:01:01.6, 0.0, 41'53N:46'59E, h13km, ml3.5, TIF 19 02:01:03.2, 41'66N:46'81E, h30km, 5km

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

MEX 19 02:01:03.2, 0.9, 41'50N:46'59E, h10km, ml3.5, Error ellipse: s-maj=6.3km s-min=4.0km az=101.9

CSEM 19 02:01:04.3, 0.1, 41'51N:46'79E, h10km, ML3.5, Error ellipse: s-maj=3.0km s-min=2.8km az=50.0

DDA 19 02:01:32.0, 0.9, 41'50N:46'28E, h2km, ML3.4

ISN 19 02:01:03.7, 0.9, 41'50N:46'59E, h10km, ml3.5, Error ellipse: s-maj=6.3km s-min=4.0km az=101.9

MEX 19 02:03:25.4, 0.8, 16'32N:94'57W, h104km, 25km, MD3.6, Oaxaca

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

MEX 19 02:03:25.4, 0.8, 16'32N:94'57W, h104km, 25km, MD3.6, Oaxaca

MEX 19 02:05:11.0, 0.3, 4'92S:0'04, 144'20E:0'07, h100km, mb4.2/19, Error ellipse: s-maj=10.2km s-min=5.5km

MEX 19 02:05:11.4, 2.6, 4.88S:144'26E, h91km, 25km, mb4.0/16, mb1.4/19, mb1mx3.9/47, mbtmp4.3/19, MS3.2/5, Ms1.3/2.5, ms1mx2.7/40, Error ellipse: s-maj=21.8km s-min=13.3km az=84.0

MEX 19 02:05:13.4, 0.8, 4.93S:144'21E, h110km, 8km, mb4.2/4, Error ellipse: s-maj=11.2km s-min=5.8km az=105.0

MEX 19 02:05:12.4, 0.5, 4.36S:0'06, 144'28E:0'10, h100km, n66, mb15.4/67, mb4.2/19, Near north coast of New Guinea

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

MEX 19 02:05:11.0, 0.3, 4'92S:0'04, 144'20E:0'07, h100km, mb4.2/19, Error ellipse: s-maj=10.2km s-min=5.5km

MEX 19 02:05:11.4, 2.6, 4.88S:144'26E, h91km, 25km, mb4.0/16, mb1.4/19, mb1mx3.9/47, mbtmp4.3/19, MS3.2/5, Ms1.3/2.5, ms1mx2.7/40, Error ellipse: s-maj=21.8km s-min=13.3km az=84.0

MEX 19 02:05:13.4, 0.8, 4.93S:144'21E, h110km, 8km, mb4.2/4, Error ellipse: s-maj=11.2km s-min=5.8km az=105.0

MEX 19 02:05:12.4, 0.5, 4.36S:0'06, 144'28E:0'10, h100km, n66, mb15.4/67, mb4.2/19, Near north coast of New Guinea

MEX 19 02:05:12.4, 0.5, 4.36S:0'06, 144'28E:0'10, h100km, n66, mb15.4/67, mb4.2/19, Near north coast of New Guinea

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

MEX 19 02:05:12.4, 0.5, 4.36S:0'06, 144'28E:0'10, h100km, n66, mb15.4/67, mb4.2/19, Near north coast of New Guinea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DGRG David-gareji, DGRG David-gareji, DGRG David-gareji, etc.

MEX 19 02:05:12.4, 0.5, 4.36S:0'06, 144'28E:0'10, h100km, n66, mb15.4/67, mb4.2/19, Near north coast of New Guinea

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

MEX 19 02:05:12.4, 0.5, 4.36S:0'06, 144'28E:0'10, h100km, n66, mb15.4/67, mb4.2/19, Near north coast of New Guinea

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

MEX 19 02:05:12.4, 0.5, 4.36S:0'06, 144'28E:0'10, h100km, n66, mb15.4/67, mb4.2/19, Near north coast of New Guinea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DGRG David-gareji, DGRG David-gareji, DGRG David-gareji, etc.

MEX 19 02:05:12.4, 0.5, 4.36S:0'06, 144'28E:0'10, h100km, n66, mb15.4/67, mb4.2/19, Near north coast of New Guinea

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

MEX 19 02:05:12.4, 0.5, 4.36S:0'06, 144'28E:0'10, h100km, n66, mb15.4/67, mb4.2/19, Near north coast of New Guinea

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

MEX 19 02:05:12.4, 0.5, 4.36S:0'06, 144'28E:0'10, h100km, n66, mb15.4/67, mb4.2/19, Near north coast of New Guinea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DGRG David-gareji, DGRG David-gareji, DGRG David-gareji, etc.

MEX 19 02:05:12.4, 0.5, 4.36S:0'06, 144'28E:0'10, h100km, n66, mb15.4/67, mb4.2/19, Near north coast of New Guinea

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

MEX 19 02:05:12.4, 0.5, 4.36S:0'06, 144'28E:0'10, h100km, n66, mb15.4/67, mb4.2/19, Near north coast of New Guinea

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

MEX 19 02:05:12.4, 0.5, 4.36S:0'06, 144'28E:0'10, h100km, n66, mb15.4/67, mb4.2/19, Near north coast of New Guinea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DGRG David-gareji, DGRG David-gareji, DGRG David-gareji, etc.

MEX 19 02:05:12.4, 0.5, 4.36S:0'06, 144'28E:0'10, h100km, n66, mb15.4/67, mb4.2/19, Near north coast of New Guinea

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

MEX 19 02:05:12.4, 0.5, 4.36S:0'06, 144'28E:0'10, h100km, n66, mb15.4/67, mb4.2/19, Near north coast of New Guinea

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

MEX 19 02:05:12.4, 0.5, 4.36S:0'06, 144'28E:0'10, h100km, n66, mb15.4/67, mb4.2/19, Near north coast of New Guinea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DGRG David-gareji, DGRG David-gareji, DGRG David-gareji, etc.

MEX 19 02:05:12.4, 0.5, 4.36S:0'06, 144'28E:0'10, h100km, n66, mb15.4/67, mb4.2/19, Near north coast of New Guinea

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

MEX 19 02:05:12.4, 0.5, 4.36S:0'06, 144'28E:0'10, h100km, n66, mb15.4/67, mb4.2/19, Near north coast of New Guinea

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

MEX 19 02:05:12.4, 0.5, 4.36S:0'06, 144'28E:0'10, h100km, n66, mb15.4/67, mb4.2/19, Near north coast of New Guinea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DGRG David-gareji, DGRG David-gareji, DGRG David-gareji, etc.

MEX 19 02:05:12.4, 0.5, 4.36S:0'06, 144'28E:0'10, h100km, n66, mb15.4/67, mb4.2/19, Near north coast of New Guinea

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

MEX 19 02:05:12.4, 0.5, 4.36S:0'06, 144'28E:0'10, h100km, n66, mb15.4/67, mb4.2/19, Near north coast of New Guinea

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

MEX 19 02:05:12.4, 0.5, 4.36S:0'06, 144'28E:0'10, h100km, n66, mb15.4/67, mb4.2/19, Near north coast of New Guinea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DGRG David-gareji, DGRG David-gareji, DGRG David-gareji, etc.

MEX 19 02:05:12.4, 0.5, 4.36S:0'06, 144'28E:0'10, h100km, n66, mb15.4/67, mb4.2/19, Near north coast of New Guinea

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

MEX 19 02:05:12.4, 0.5, 4.36S:0'06, 144'28E:0'10, h100km, n66, mb15.4/67, mb4.2/19, Near north coast of New Guinea

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





Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RND Reindeer, F10A Beach Ranch, CCB Clear Creek Bu, etc.

ISCJB 19 02:59:08.0 ± 1.5, 67.52N, 0.05, 33.9E, 0.2, h0km, Error ellipse: s-maj=11.2km s-min=6.9km az=6.9

CSEM 19 02:59:11.9 ± 1.1, 67.48N, 33.62E, h2km, ML2.2, Error ellipse: s-maj=20.4km s-min=10.4km az=94.0, Mining explosion.

HEL 19 02:59:11.0 ± 0.5, 67.57N, 34.05E, h0km, ML2.2, Explosion

NAO 19 02:59:13.6 ± 2.3, 67.57N, 33.42E, ML2.7

ISC 19 02:59:08.2 ± 1.8, 67.53N, 0.04, 34.3E, 0.1, h0km, n20, e157/35, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like VRF Vario, KU6 Riecki, ARAO ARCESS Array S, etc.

Table with columns: TOF, Torno, 4.20 254, PG, Pb, 03 00 25.7 +2.9, etc. Includes stations like ERTU Ertjaer, FIAO FINESS Array S, etc.

ISCJB 19 03:10:23.0 ± 1.2, 5.43S, 0.10, 147.3E, 0.2, h195km, mb3.8/5, Error ellipse: s-maj=26.4km s-min=13.7km az=4.0

IDC 19 03:10:25.2 ± 0.5, 5.7S, 147.22E, h200km, 16km, mb3.5/5, mb1 3.7/8, mb1mx3.2/49, mbmp4.1/8, Error ellipse: s-maj=29.8km s-min=17.0km az=118.0

ISC 19 03:10:24.5 ± 1.2, 5.55S, 0.11, 147.2E, 0.2, h195km, n9, mb3.8/11, mb3.8/5, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PMG Fort Moresby, CTA Charters Tower, WRA Warramunga Arr, etc.

ISCJB 19 03:18:29.0 ± 0.6, 35.92N, 0.04, 140.47E, 0.06, h71km, 5km, mb3.7/13, Error ellipse: s-maj=8.4km s-min=6.3km az=7.1

JMA 19 03:18:30.5 ± 0.1, 35.99N, 140.37E, h62km, 1km, M3.2 Broadband fault plane solution: P waves. NP1: 0.35, 0.0000, 0.35, 0.0000, 1.63, 0.0000. NP2: 0.25, 0.0000, 0.39, 0.0000, 1.13, 0.0000. Principal axes: P: P161.0, 0.000, N: P162.0, 0.000, Azm1, 0.000, P: P163.0, 0.000, Azm105.0000.

IDC 19 03:18:31.3 ± 1.9, 35.86N, 140.41E, h77km, 17km, mb3.5/13, mb1 3.7/16, mb1mx3.5/66, mbmp3.8/16, MS2.7/4, Ms1 2.8/4, ms1mx2.4/53 Error ellipse: s-maj=19.3km s-min=14.3km az=48.0

ISC 19 03:18:29.7 ± 1.0, 35.94N, 0.05, 140.49E, 0.06, h61km, 9km, n30, 0.92/36, mb3.9/13, 1C-3D, 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 JAG Yashito, JYT Asahika, BSO3 Boso 3, etc.

KSR5 Korea Array 10.21 282 P 0.3nm, 0.3s, baz=94, slow=14, SNR=10.0

PETK Petropavlovsk 21.00 30 LR 0.2nm, 0.3s, baz=275, slow=13, SNR=6.7

MA2 Magadan 24.75 13 P 0.5nm, 0.6s, baz=179, slow=9.3, SNR=5.4

SOMN Songo Array 27.80 306 P 0.7nm, 0.6s, baz=57, slow=5.3, SNR=2.9

CMAR Chiang Mai Arr 40.1 256 LR 0.4nm, 0.7s, baz=299, slow=6.6, SNR=5.3

ZALV Zalesovo Beja 42.11 313 P 0.7nm, 0.3s, baz=97, slow=12, SNR=2.7

MKAR Makanchi Array 44.08 303 P 0.5nm, 0.3s, baz=90, slow=5.8, SNR=2.5

KURBB Kurchatov Arra 46.09 309 P 1.8nm, 0.7s, baz=87, slow=8.1, SNR=6.9

ILAR Eielson Array 50.81 32 P 2.4nm, 0.8s, baz=268, slow=6.4, SNR=35

WRA Warramunga Arr 55.89 187 P 0.4nm, 0.5s, baz=21, slow=7.4, SNR=7.9

YKA Yellowknife Arr 65.12 30 P 0.3nm, 0.7s, baz=299, slow=6.6, SNR=5.3

NOA NORSAR Array B 74.90 337 P 1.5nm, 0.9s, baz=19, slow=8.5, SNR=3.2

Table with columns: DDFL Dedoflistskaro, 0.44 265 P, Pn, 03 18 45.2 -3h, etc. Includes stations like SEKA Sheki, SEKA Sheki, KMKR Kumukh, etc.

ISCJB 19 03:10:23.0 ± 1.2, 5.43S, 0.10, 147.3E, 0.2, h195km, mb3.8/5, Error ellipse: s-maj=26.4km s-min=13.7km az=4.0

IDC 19 03:10:25.2 ± 0.5, 5.7S, 147.22E, h200km, 16km, mb3.5/5, mb1 3.7/8, mb1mx3.2/49, mbmp4.1/8, Error ellipse: s-maj=29.8km s-min=17.0km az=118.0

ISC 19 03:10:24.5 ± 1.2, 5.55S, 0.11, 147.2E, 0.2, h195km, n9, mb3.8/11, mb3.8/5, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GANJ Ganja, GANJ Ganja, GNBR Gunib, etc.

ISCJB 19 03:18:29.0 ± 0.6, 35.92N, 0.04, 140.47E, 0.06, h71km, 5km, mb3.7/13, Error ellipse: s-maj=8.4km s-min=6.3km az=7.1

JMA 19 03:18:30.5 ± 0.1, 35.99N, 140.37E, h62km, 1km, M3.2 Broadband fault plane solution: P waves. NP1: 0.35, 0.0000, 0.35, 0.0000, 1.63, 0.0000. NP2: 0.25, 0.0000, 0.39, 0.0000, 1.13, 0.0000. Principal axes: P: P161.0, 0.000, N: P162.0, 0.000, Azm1, 0.000, P: P163.0, 0.000, Azm105.0000.

IDC 19 03:18:31.3 ± 1.9, 35.86N, 140.41E, h77km, 17km, mb3.5/13, mb1 3.7/16, mb1mx3.5/66, mbmp3.8/16, MS2.7/4, Ms1 2.8/4, ms1mx2.4/53 Error ellipse: s-maj=19.3km s-min=14.3km az=48.0

ISC 19 03:18:29.7 ± 1.0, 35.94N, 0.05, 140.49E, 0.06, h61km, 9km, n30, 0.92/36, mb3.9/13, 1C-3D, 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 ARKR Arakani, ARKR Arakani, ARKR Arakani, etc.

BTLL Botliikh 1.23 343 ePg Pn 03 18 56.3 0.0

BRDA Brd 1.23 163 P 0.3nm, 0.3s, baz=104, slow=8.1, SNR=30.7

IML Ismayilli 1.31 121 P 0.7nm, 0.3s, baz=334, slow=18, SNR=7.1

DRN Derbent 1.33 65 P 0.5nm, 0.3s, baz=222, slow=7.6, SNR=6.7

DRN Derbent 1.33 65 P 0.6nm, 0.3s, baz=47, slow=18, SNR=2.6

DRN Derbent 1.33 65 P 0.2nm, 0.3s, baz=152, slow=17, SNR=2.8

QUBA Quba, Azerbaizj 1.35 95 P 0.3nm, 0.3s, baz=94, slow=94, SNR=10.0

KRNR Karanay 1.35 6 P 0.2nm, 0.3s, baz=299, slow=6.6, SNR=5.3

BTNK Botanikuri 1.44 279 P 0.5nm, 0.3s, baz=90, slow=5.8, SNR=2.5

BTNK Botanikuri 1.44 279 P 0.4nm, 0.6s, baz=57, slow=5.3, SNR=2.9

BTNL Delisi 1.50 280 P 0.7nm, 0.3s, baz=97, slow=12, SNR=2.7

BTNL Delisi 1.50 280 P 0.5nm, 0.3s, baz=90, slow=5.8, SNR=2.5

BTNL Delisi 1.50 280 P 0.4nm, 0.6s, baz=57, slow=5.3, SNR=2.9

DVE Vedeno 1.54 344 ePg Pn 03 19 02.2 +0.5

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





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

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

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











19d 8h

JTS	comp=Z,9um,21.0s	38.42	337	P	P	08 42 30.7	+1.1
JTS	comp=Z,5.1nm,1.1s,baz=234,slow=8.3,SNR=8.0	38.42	337	eP	P	08 42 31.2	+1.5
JTS	comp=Z,44nm,1.0s			LR	LR		
GRGR	comp=Z,3um,21.0s	38.73	14	eP	P	08 42 31.8	-0.5
GRGR	comp=Z,250nm,0.9s			LR	LR		
RCBR	comp=Z,1.1um,20.0s	38.80	65	P	P	08 42 34.5	+1.5
RCBR	comp=Z,1.01nm,0.6s,baz=220,slow=0.5,SNR=44	38.80	65	eP	P	08 42 33.4	+0.4
RCBR	comp=Z,608nm,1.1s			LR	LR		
PMSA	comp=Z,82um,22.0s	39.23	175	eP	P	08 42 37.1	+1.2
PMSA	comp=Z,170nm,1.2s			LR	LR		
SVB	comp=Z,1.1um,21.0s	39.92	15	eP	P	08 42 41.3	-0.9
BBGH	comp=Z,142nm,0.7s	40.22	17	PFAKE	LR	08 43 00.0	+1.5
PRVC	comp=Z,1.1um,22.0s	40.27	344	eP	P	08 42 43.8	-1.2
BIM	comp=Z,1.1um,22.0s	41.17	14	eP	P	08 42 50.7	-1.9
DFD	comp=Z,1.13nm,0.8s	41.36	14	eP	P	08 42 51.7	-2.4
DFD	comp=Z,1.13nm,0.8s	41.36	14	eP	P	08 42 51.4	-2.7
GDHS	comp=Z,1.13nm,0.8s	42.72	13	eP	P	08 43 02.8	-2.5
GDHS	comp=Z,1.13nm,1.1s			LR	LR		
SKI	comp=Z,1.1um,21.0s	43.57	11	eP	P	08 43 10.4	-1.7
SKI	comp=Z,512nm,0.7s	43.57	11	eP	P	08 43 10.4	-1.7
SKI	comp=Z,512nm,0.7s	43.61	6	eP	P	08 43 11.3	-1.0
ICMP	comp=Z,65nm,0.8s	43.67	8	eP	P	08 43 11.0	-1.8
CDVI	comp=Z,262nm,0.8s	43.68	5	eP	P	08 43 11.5	-1.4
CRPR	comp=Z,262nm,0.8s			LR	LR		
PCB	comp=Z,10um,20.0s	43.71	351	iP	P	08 43 13.4	+0.3
OBIP	comp=Z,188nm,1.0s	43.76	6	eP	P	08 43 12.1	-1.4
SABA	comp=Z,4um,20.0s	43.77	10	eP	P	08 43 11.7	-1.9
SABA	comp=Z,129nm,0.8s			LR	LR		
SJG	comp=Z,13um,18.0s	43.87	6	P	P	08 43 12.6	-1.8
SJG	comp=Z,118nm,0.7s,baz=158,slow=4.1,SNR=38	43.87	6	eP	P	08 43 12.2	-2.2
SJG	comp=Z,127nm,0.8s			LR	LR		
SJG	comp=Z,7um,19.0s	43.87	6	eP	P	08 43 12.0	-2.4
SJG	comp=Z,7um,19.0s	43.87	6	eP	P	08 43 12.2	-2.2
SJG	comp=Z,127nm,0.8s			MLR	MLR		
MPR	comp=Z,7um,19.0s	43.88	5	eP	P	08 43 13.1	-1.4
MPR	comp=Z,88nm,0.9s			LR	LR		
HOJ	comp=Z,5um,20.0s	43.91	352	iP	P	08 43 15.8	+1.0
MTP	comp=Z,12nm,0.8s	43.92	7	eP	P	08 43 12.5	-2.3
HUMP	comp=Z,89nm,1.0s	43.93	7	eP	P	08 43 13.3	-1.6
HUMP	comp=Z,190nm,1.6s			LR	LR		
SDD	comp=Z,10um,21.0s	43.99	1	PFAKE	LR	08 43 30.0	+1.5
STH	comp=Z,6um,21.0s	44.09	352	iP	P	08 43 17.6	+2.1
AOPR	comp=Z,12nm,0.8s	44.35	6	eP	P	08 43 14.1	-1.8
CBYP	comp=Z,185nm,0.9s	44.06	7	eP	P	08 43 13.9	-2.1
CBYP	comp=Z,185nm,0.9s			LR	LR		
AGP	comp=Z,12um,20.0s	44.07	5	eP	P	08 43 15.1	-1.0
AGP	comp=Z,299nm,1.3s			LR	LR		
ANWB	comp=Z,6um,20.0s	44.08	12	eP	P	08 43 13.6	-2.5
ANWB	comp=Z,207nm,0.8s			LR	LR		
SMRT	comp=Z,8um,20.0s	44.22	11	eP	P	08 43 14.5	-2.7
MTDJ	comp=Z,12nm,0.8s	44.24	351	eP	P	08 43 18.0	+0.4
MTDJ	comp=Z,164nm,1.2s			LR	LR		
STVI	comp=Z,3um,21.0s	44.24	8	eP	P	08 43 16.5	-0.9
STVI	comp=Z,38nm,0.9s			LR	LR		
BBJ	comp=Z,5um,19.0s	44.35	351	iP	P	08 43 18.9	+0.5
SDDR	comp=Z,61nm,1.4s	44.50	359	eP	P	08 43 19.2	-0.4
SDDR	comp=Z,7um,19.0s			LR	LR		
ABVI	comp=Z,7um,19.0s	44.70	9	PFAKE	LR	08 43 30.0	+9.0
APG	comp=Z,7um,21.0s	44.84	333	P	P	08 43 23.0	+0.4
APG	comp=Z,23nm,0.9s,baz=162,slow=7.2,SNR=12			LR	LR	08 58 55.1	
FSCY	comp=Z,3um,20.4s,baz=144,slow=32	45.95	346	eP	P	08 43 31.1	+0.1
WBCY	comp=Z,37nm,1.2s	46.06	346	eP	P	08 43 32.0	+0.1
CCIG	comp=Z,928nm,1.9s	46.69	331	eP	P	08 43 37.3	+0.2
CCIG	comp=Z,41nm,1.2s			LR	LR		
GRTK	comp=Z,5um,20.0s	47.02	360	eP	P	08 43 39.8	+0.5
GRTK	comp=Z,336nm,1.1s			LR	LR		
CMIG	comp=Z,6um,20.0s	48.64	329	P	P	08 43 52.4	+0.4
CMIG	comp=Z,36nm,0.9s,baz=130,slow=6.8			LR	LR	09 00 19.8	
TEIG	comp=Z,3um,21.4s,baz=195,slow=31	48.79	338	PFAKE	LR	08 44 10.0	+1.7
MYIG	comp=Z,2um,22.0s	49.97	337	PFAKE	LR	08 44 10.0	+7.9
TLIG	comp=Z,2um,20.0s	50.86	325	eP	P	08 44 10.7	+1.6
TLIG	comp=Z,36nm,0.9s			LR	LR		
UNM	comp=Z,4um,19.0s	52.65	326	eP	P	08 44 24.5	+1.9
UNM	comp=Z,34nm,0.8s			LR	LR		
UNM	comp=Z,2um,22.0s	52.65	326	eP	P	08 44 24.5	+1.9
UNM	comp=Z,34nm,0.8s			MLR	MLR		
059Z	comp=Z,2um,22.0s	52.83	348	P	P	08 44 23.3	-0.1
060A	comp=Z,168nm,1.7s	53.32	349	P	P	08 44 26.6	-0.4
059A	comp=Z,168nm,1.7s	53.39	348	P	P	08 44 27.3	-0.2
058A	comp=Z,168nm,1.7s	53.60	348	P	P	08 44 28.3	-0.8
959A	comp=Z,168nm,1.7s	53.89	349	P	P	08 44 31.0	-0.2

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MOIG	Morelia	53.99	324	eP	P	08 44 33.9	+1.5
MOIG	comp=Z,64nm,1.0s			LR	LR		
958A	comp=Z,4um,21.0s	54.10	348	P	P	08 44 32.7	-0.1
957A	Wauca	54.28	347	P	P	08 44 33.9	-0.2
859A	Kempfer Cattle	54.41	349	P	P	08 44 35.1	+0.1
JRQG	Juriquilla Cam	54.45	325	eP	P	08 44 37.3	+1.6
JRQG	comp=Z,6um,21.0s			LR	LR		
DWPF	Disney Wildern	54.56	348	P	P	08 44 35.8	-0.2
DWPF	Disney Wildern	54.56	348	eP	P	08 44 35.2	-0.9
DWPF	comp=Z,104nm,0.8s			LR	LR		
858A	St. Cloud	54.64	349	P	P	08 44 36.4	-0.3
857A	Zephyr Hills	54.86	348	P	P	08 44 37.6	-0.7
758A	Lake Helen	55.35	349	P	P	08 44 41.7	0.0
757A	Oxford	55.48	348	P	P	08 44 42.5	-0.2
658A	Bunnell	55.81	349	P	P	08 44 44.5	-0.5
656A	Williston	55.99	348	P	P	08 44 45.3	-1.0
657A	Interlachen	56.07	348	P	P	08 44 46.6	-0.4
ASCN	Ascension	56.43	82	eP	P	08 44 50.6	+0.7
ASCN	comp=Z,299nm,0.6s			LR	LR		
557A	Orange Park	56.47	349	P	P	08 44 49.4	-0.3
556A	Lake Butler	56.58	348	P	P	08 44 50.0	-0.6
VNA3	Neumayer Olymp	56.62	160	P	P	08 44 49.9	-0.5
555A	McAlpin	56.80	347	P	P	08 44 51.9	-0.3
VNA1	Neumayer-Stat	56.87	159	P	P	08 44 52.1	-1.0
554A	Perry	56.91	347	P	P	08 44 51.9	-1.1
553A	Crawfordville	57.17	346	P	P	08 44 54.6	-0.2
456A	Hilliard	57.21	348	P	P	08 44 54.8	-0.2
VNA2	Neumayer-Watz	57.23	160	P	P	08 44 54.2	-0.6
ZAIG	Zacatecas	57.25	325	eP	P	08 44 57.4	+1.5
552A	Lynn Haven	57.31	345	P	P	08 44 55.5	-0.3
455A	Stateville	57.42	348	P	P	08 44 56.1	-0.4
LNIG	Linares	57.51	329	eP	P	08 44 56.6	-0.7
454A	Quitman	57.51	347	P	P	08 44 56.8	-0.4
453A	Whigham	57.79	346	P	P	08 44 58.3	-0.8
357A	Townsend	57.80	349	P	P	08 44 59.0	-0.1
356A	Blackshear	57.81	349	P	P	08 44 58.9	-0.4
451A	Vernon	57.88	345	P	P	08 44 59.5	-0.3
RKT	Rikitea	57.96	258	eP	P	08 45 11.2	+1.1
RKT	comp=Z,5um,28.8s			eS	S	08 53 05.5	+5.6
RKT	comp=Z,2um,30.2s			eSS	SS	08 56 53.4	+2.3
RKT	comp=Z,3um,33.5s			eLQ	LQ	08 59 40.3	
RKT	comp=Z,9um,23.8s,baz=98			eLR	LR	09 02 06.1	
RKT	Rikitea	57.96	258	eT	T	09 47 23.8	
355A	Pearson	57.97	348	P	P	08 44 59.8	-0.6
452A	Marianna	57.98	345	P	P	08 44 60.0	-0.5
645A	Chauvin	58.12	340	P	P	08 45 02.3	+0.8
BBSR	BB Station	58.13	6	eP	P	08 45 02.1	+0.7
BBSR	comp=Z,104nm,0.8s			LR	LR		
TIGA	Tifton	58.20	347	P	P	08 45 01.5	-0.5
TIGA	Tifton	58.20	347	eP	P	08 45 01.5	-0.5
353A	Camilla	58.24	346	P	P	08 45 01.7	-0.6
450A	Crestview	58.27	344	P	P	08 45 02.1	-0.3
449A	Pace	58.38	343	P	P	08 45 02.8	-0.4
256A	Glennville	58.41	349	P	P	08 45 03.0	-0.5
351A	Pinckard	58.48	345	P	P	08 45 03.5	-0.5
352A	Blakely	58.52	346	P	P	08 45 03.6	-0.7
254A	Abbeville	58.64	348	P	P	08 45 04.1	-0.9
BRAL	Brewton	58.73	344	P	P	08 45 05.2	-0.5
BRAL	Brewton	58.73	344	eP	P	08 45 06.0	+0.3
BRAL	comp=Z,222nm,0.9s			LR	LR		
350A	Dozier	58.79	344	P	P	08 45 05.5	-0.6
447A	Lucedale	58.80	342	P	P	08 45 06.0	-0.2
SNA4	Sanae	58.84	160	P	P	08 45 05.4	-0.7
SNA4	Sanae	58.84	160	P	P	08 45 05.2	-0.8
SNA4	comp=Z,20nm,0.5s,baz=270,slow=35			LR	LR	09 09 03.9	
SNA4	Sanae	58.84	160	eP	P	08	



19d 8h

Table with columns for station ID, name, frequency, and signal strength. Includes stations like C38A Cocks Store, 121A Cocks Peak, 121A Paris, etc.

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Table with columns for station ID, name, frequency, and signal strength. Includes stations like CBKS Cedar Bluff, M39A Webster, VT1 Waterbury, etc.

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Table with columns for station ID, name, frequency, and signal strength. Includes stations like KLBO Killbuck Provi, TOBO Tobemory, PEMO Pembroke, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like ISCO, H37A, G40A, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like SRU, SUSD, F35A, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like CMLA, C34A, CWC, etc.



19d 8h

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like YPP Pitchstone Pla, H17A Grant Village, YERR Yerington, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like M04C Macdoel, K05A Summer Lake, M02C Callahan, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like MESJ Messejana, PMAFR Mafra, PMAFR Mafra, etc.







Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers (e.g., NTST, YM03, YM03, YM03, YM12, YM12, YM08, YM08, YM08, YM08, ESL, Shilin, NMLH, Miaoil, NMLH, TWY, Chenhua, TWY, Sanyl, NSY, Sanyl, NSY, TWQ1, Liyutan, TWQ1, DPDB, Guoxing, EGFH, Guangfu, VVWD, VVWD, VVWD, SMLT, Sun Moon Lake, SMLT, TYC, Yuch, TYC, TCY, Taichung, SSSL, Suanglung, SSSL, HGSD, Ruisui, HGSD, EHY, Hungye, WCHH, Zhangua, WCHH, WNT, Mingjian, WJWS, Zhushan, YULB, Yu-li, TW1, Yuli, JYNG, Yanagunijimaku, ALS, Alishan, ALS, CHN5, Tsauling, CHN5, WGK, Gukung, WGK, WDLH, Douliu, YOJ, Yanaguni jima, YOJ, RLNB, Erlin, RLNB, FULB, Full, CHKT, Chengkung, CHKT, ELDTW, Lidau, CHY, Chiayi, CHN4, Tsauhsan, CHN4, TPUB, Ta-pu, TPUB, WSF, Szu, WSF, STYT, Tauyuan, WTP, Ta-pu, TWK, Hsinying, CHN1, Nanshi, CHN1, SGST, Jiashian, SLGT, Liugui, TWG, Pinlang, TWGBT, Beinan, TWH, Lutao, IRIF, Triomote-Funau, TWMT, Shoushan, VVUC, VVUC, MASBT, Mashibuluo, MASBT, PNG, Penghu, PHUB, Peng-hu, PHUB, WDG, Tungji, JKRS, Kuro-shima, JKRS, MATB, Ma-tsu, EAST, Anshuo, JIJ, Ishigaki jima, SCZT, Fangliu, VCHM, Qimei)

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers (e.g., VCHM, baz=236, LAY, Lan-yu, JISG, Ishgakijimahi, JISG, TWK1, Hengchun, TWKBT, Hengchun, JTK, Tarama, KNM, Kinmen, KNMB, Chin-men Tao)

CSEM 19 09:03:17.6;0.2,39.54N;30.43E,h5km,ML2.6,Error ellipse: s-maj=4.4km s-min=3.6km az=39.0 ISK 19 09:03:17.2,39.56N;30.43E,h7km,ML2.7/12 DDA 19 09:03:18.5,39.59N;30.50E,h7km,ML2.6 ISK 19 09:03:18.0;1.0,39.56N;0.02;30.46E;0.02,h7km,qkm, n49,-1506/64, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers (e.g., ESKT, Eskisehir, ESKT, Eskisehir, ESKT, Eskisehir, SEVT, Eskpyehyr, SEVT, Eskisehir, BORA, Eskisehir, BORA, Eskisehir, BORA, Eskisehir, KUTH, Kutahya, KUTH, Kutahya, AUOZ, BOZOYUK, AUOZ, BOZOYUK, AUOZ, BOZOYUK, AUOZ, BOZOYUK, TVSB, Tavsanli, TVSB, Tavsanli, SVRH, Sivrihisar-ESK, SVRH, Sivrihisar-ESK, AUSIV, SIVRIHISAR, AUSIV, SIVRIHISAR, GULT, Gulveren, GULT, Gulveren, BOLV, Bolvadin, BOLV, Bolvadin, GEVY, SAKARYA\_Geyve, GEVY, SAKARYA\_Geyve, SHUT, Suhut-Afyon, SHUT, Suhut-Afyon, MDUB, Mudurnu, MDUB, Mudurnu, SAUV, Serdivan-Sakar, SAUV, Serdivan-Sakar, IGD, Bursa, IGD, Bursa, SIMA, Simav-Kutahya, SIMA, Simav-Kutahya, ORLT, Orhaneli, ORLT, Orhaneli, YLV, Yalova, YLV, Yalova, SAHE, Sakarya\_HENDEK, SAHE, Sakarya\_HENDEK, HRT, Hereke, HRT, Hereke, DEMI, Demirci, DEMI, Demirci, MDNY, Mudanya-Bursa, MDNY, Mudanya-Bursa, DURS, Dursunbey, DURS, Dursunbey, KAND, Kocaeli-Kandir, KAND, Kocaeli-Kandir)

ISCJB 19 09:04:03.2;0.4,23.06N;0.02;121.62E;0.02,h10km,2km, Error ellipse: s-maj=2.8km s-min=2.2km az=135.8 JMA 19 09:04:03.7;0.1,23.08N;121.60E,h13km,2km,M3.1 TAP 19 09:04:04.6,23.10N;121.49E,h10km,ML3.4,B ISC 19 09:04:03.4;1.0,23.08N;0.02;121.58E;0.02,h11km,7km, n88,-0573/135,2C-6D,Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers (e.g., CHKT, Chengkung, CHKT, Chengkung, FULB, Full, FULB, Full, TWH, Lutao, TWH, Lutao, TW1, Yuli, TW1, Yuli, YULB, Yu-li, YULB, Yu-li, HGSD, Ruisui, HGSD, Ruisui, EHY, Hungye, EHY, Hungye, TTN, Taitung, TTN, Taitung, TWGBT, Beinan, TWGBT, Beinan, ELDTW, Lidau, ELDTW, Lidau, ELDTW, Lidau, TWG, Pinlang, TWG, Pinlang, TWG, Pinlang, EGFH, Guangfu, ESL, Shilin, ECLT, Taimali, ECLT, Taimali, STYT, Tauyuan, STYT, Tauyuan, VVWD, VVWD, VVWD, VVWD, ENLB, Shoufeng, ENLB, Shoufeng)

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers (e.g., ALS, Alishan, SLGT, Liugui, SLGT, Liugui, HWA, Hwalien, TPUB, Ta-pu, TPUB, Ta-pu, WTP, Ta-pu, WTP, Ta-pu, SSSL, Suanglung, SSSL, Suanglung, SGST, Jiashian, SGST, Jiashian, CHN4, Tsauhsan, CHN4, Tsauhsan, CHN4, Tsauhsan, EAST, Anshuo, CHN1, Nanshi, CHN1, Nanshi, CHN1, Nanshi, CHN5, Tsauling, MASBT, Mashibuluo, TWD, Chiawan, TWD, Chiawan, SMLT, Sun Moon Lake, SMLT, Sun Moon Lake, TWK, Hsinying, TWK, Hsinying, LAY, Lan-yu, LAY, Lan-yu, CHGB, Renai, CHGB, Renai, CHGB, Renai, TYC, Yuch, TYC, Yuch, WJS, Zhushan, WJS, Zhushan, NACB, Ninganchiao, NACB, Ninganchiao, TWMT, Shoushan, SSPT, Xinbi, SSPT, Xinbi, WGK, Gukung, WGK, Gukung, DPDB, Guoxing, DPDB, Guoxing, SCZT, Fangliu, SCZT, Fangliu, WDLH, Douliu, WDLH, Douliu, WDLH, Douliu, CHY, Chiayi, CHY, Chiayi, WNT, Mingjian, WNT, Mingjian, WNT, Mingjian, TDCB, Techu, TDCB, Techu, TDCB, Techu, WLG, Puzi, WLG, Puzi, WLG, Puzi, CHN8, Yifu, CHN8, Yifu, HEN, Hengchun, HEN, Hengchun, TSEB, Hengchun, Pin, TSEB, Hengchun, Pin, TWKBT, Hengchun, TWKBT, Hengchun, TWKBT, Hengchun, TWK1, Hengchun, TWK1, Hengchun, TWP, Hsiaojiuchui, TWP, Hsiaojiuchui, TCU, Taichung, TCU, Taichung, ENA, Nanau, ENA, Nanau, NANS, Nanau, NANS, Nanau, NANSB, Datong, NANSB, Datong, NNSH, Datong, NNSH, Datong, WSF, Szu, WSF, Szu, WSF, Szu, NNS, Nan Shan, NNS, Nan Shan, RLNB, Erlin, RLNB, Erlin, TWQ1, Liyutan, TWQ1, Liyutan, TWQ1, Liyutan, NSY, Sanyl, NSY, Sanyl, NSY, Sanyl, TWC, Suao, TWC, Suao, EOST, EOST, EOST, EOST, ENT, Niudoud, ENT, Niudoud, YHNB, Yeheng, YHNB, Yeheng, YHNB, Yeheng, NSK, Sangung, NSK, Sangung, NSTT, Nanjuang, NSTT, Nanjuang, LIQB, Emel, LIQB, Emel, LIQB, Emel, NWLT, Wulai, NWLT, Wulai, WDG, Tungji, WDG, Tungji, JYNG, Yanagunijimaku, JYNG, Yanagunijimaku, PHUB, Peng-hu, PHUB, Peng-hu)





19d 10h

ellipse: s-maj=6.9km s-min=6.5km az=122.0
ISK 19 10:13:21.0, 38.64N, 34.78E, h16km, ML2.3/6
DDA 19 10:13:22.2, 38.69N, 34.80E, h7km, ML2.5
ISC 19 10:13:21.8, 1.0, 38.65N, 0.03, 34.78E, 0.03, h11km, 9km,

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists various stations like AVNS, SERE, CDAG, GULA, etc.

ISCJB 19 10:14:07.8, 0.5, 33.89N, 0.05, 87.2E, 0.1, h33km,
mb3.7/12, MS3.8/3, Error ellipse: s-maj=12.7km
s-min=6.5km az=179.4

ISC 19 10:14:09.1, 4.4, 33.66N, 87.05E, h37km, 39km, mb3.6/14,
mb1.3, 8/17, mb1mx3.6/6.8, mbtmp3.8/17, ML3.7/3, MS3.8/3,
Ms1.3, 8/3, ms1mx3.4/6.2, Error ellipse: s-maj=24.9km
s-min=14.0km az=36.0

ISC 19 10:14:09.3, 0.7, 33.88N, 0.09, 87.2E, 0.1, h35km, n27,
e154/22, mb3.8/12, MS3.8/3, Xizang

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like GUN, JIRN, KKN, PKIN, etc.

ISC 19 10:23:55.9, 1.7, 0.90N, 126.45E, h0km, mb3.2/4,
mb1.3, 4/4, mb1mx3.2/5.5, mbtmp3.2/4, MS3.4/1, Ms1.3, 4/1,
s-min=2.16km az=66.0, Northern Molucca Sea

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

PGC 19 10:29:13.9, 0.0, 60.10N, 129.46W, h10km, ML3.7/6,
ML3.7/6, 35km west of Watson Lk., Yt Southern Yukon Territory, Canada, Southern Yukon Territory

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like DLBC, WHY, BESE, etc.

2012 MAY

Table with columns: BALM, LDNB, YKWS, etc. Lists stations and their coordinates.

ISC 19 10:30:50.5, 0.7, 3.45N, 126.47E, h0km, mb3.9/11,
mb1.4, 1/12, mb1mx3.8/6.1, mbtmp4.0/12, ML4.8/1, MS3.7/1,
Ms1.3, 9/1, ms1mx2.9/5.9, Error ellipse: s-maj=42.4km
s-min=13.6km az=67.0

ISCJB 19 10:54.9, 0.6, 3.5N, 126.7E, 0.1, h53km, mb3.9/11,
MS3.6/1, Error ellipse: s-maj=24.6km s-min=7.9km
az=143.4

ISC 19 10:57.4, 0.8, 3.4N, 126.6E, 0.2, h53km, n12,
e089/14, mb3.8/11, Talaud Island

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

GUC 19 10:32:42.8, 0.5, 22.77S, 68.69W, h119km, 4km, ML3.5,
3C-10, Northern Chile

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like PB06, PB05, etc.

ISCJB 19 10:37:57.1, 1.1, 19.73N, 0.03, 64.29W, 0.03, h11km, 7km,
mb3.7/14, Error ellipse: s-maj=5.6km s-min=4.6km
az=29.7

ISC 19 10:37:57.1, 0.6, 19.48N, 64.20W, h0km, mb3.7/15,
mb1.3, 9/18, mb1mx3.8/5.6, mbtmp3.8/18, ML3.1/3, MS3.1/3,
Ms1.3, 1/3, ms1mx2.8/5.4, Error ellipse: s-maj=16.2km
s-min=15.1km az=156.0

NEIC 19 10:37:58.0, 0.0, 19.86N, 64.18W, h18km, MD3.7(RSPR),
After RSPR

RSPR 19 10:37:58.8, 19.86N, 64.18W, h18km, 5km, MD3.7/15
ISC 19 10:37:58.3, 4.0, 19.68N, 0.05, 64.21W, 0.04, h13km, 26km,
n98, e099/125, mb3.7/14, 57C, Virgin Islands

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

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Table with columns: SJJG, SAN, etc. Lists stations and their coordinates.

comp=Z.298nm, 19.9s, baz=116, slow=41

ISC 19 10:40:38.1, 1.9, 5.95N, 0.2, 148.5E, 0.4, h60km, mb3.6/3,
Error ellipse: s-maj=63.7km s-min=13.0km az=16.2

ISC 19 10:40:41.2, 4.0, 6.24S, 149.02E, h85km, 39km, mb3.4/3,
mb1.3, 6/5, mb1mx3.4/4.9, mbtmp3.8/5, Error ellipse:
s-maj=94.2km s-min=26.5km az=122.0

ISC 19 10:40:40.3, 1.8, 5.95N, 0.2, 148.4E, 0.5, h60km, n6, e063/7,
mb3.6/3, New Britain region

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

ISCJB 19 10:40:38.1, 1.9, 5.95N, 0.2, 148.5E, 0.4, h60km, mb3.6/3,
Error ellipse: s-maj=63.7km s-min=13.0km az=16.2

ISC 19 10:40:41.2, 4.0, 6.24S, 149.02E, h85km, 39km, mb3.4/3,
mb1.3, 6/5, mb1mx3.4/4.9, mbtmp3.8/5, Error ellipse:
s-maj=94.2km s-min=26.5km az=122.0

ISC 19 10:40:40.3, 1.8, 5.95N, 0.2, 148.4E, 0.5, h60km, n6, e063/7,
mb3.6/3, New Britain region

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

NEIC 19 10:43:17.2, 0.0, 19.65N, 64.07W, h68km, MD3.6(RSPR),
After RSPR

RSPR 19 10:43:17.3, 19.65N, 64.07W, h69km, 8km, MD3.6/8, 26C,
Virgin Islands

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



















Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JIO Ouri, JFUJ Ofunato, JMK Ichinoseki, etc.

ISCBJ 19 14:37:53.0±0.6, 34°57'N, 105°07'93"E, 0.09, h42km, mb3.6/10, Error ellipse: s-maj=10.8km s-min=6.2km az=157.3

NNC 19 14:37:55.4±0.6, 34°95'N, 107°11'E, h0km, mb4.2, mpv3.8, Error ellipse: s-maj=56.8km s-min=33.7km az=113.0

IDC 19 14:37:58.6±0.3, 37°31'N, 142°36'E, h42km, 25km, mb3.6/5, mb1.3/6.9, mb1mx3.3/6.8, mbtmpp3.7/9, ML3.0/4, Error ellipse: s-maj=25.2km s-min=17.1km az=98.0

ISC 19 14:37:55.1±0.8, 34°50'N, 107°06'E, 0.10, h42km, n26, ±25/31, mb3.6/10, 6C-2D, Southern Eastern Afghanistan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SFK Sufi-Kurgan, MNAS Manas, KK31 Karatay Array, etc.

IDC 19 14:42:29.2±1.2, 2°51'N, 92°50'E, h0km, mb3.7/5, mb1.3/7.7, mb1mx3.4/6.4, mbtmpp3.6/7.3, ML2.7, MS2.6/1, MS1.2/8.1, ms1mx2.3/5.4, Error ellipse: s-maj=62.4km s-min=24.9km az=48.0

ISCBJ 19 14:42:32.7±1.5, 2°6'N, 92°28'E, 0.10, h33km, mb3.7/5, Error ellipse: s-maj=27.9km s-min=10.8km az=21.0

ISC 19 14:42:34.5±1.6, 2°6'N, 92°28'E, 0.11, h35km, n8, ±05/63/9, mb3.7/5, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PSI Prapat, CMAR Chiang Mai Arr, etc.

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

IDC 19 15:09:36.6±2.4, 2°39'N, 93°11'E, h0km, mb3.5/5, mb1.3/6.7, mb1mx3.4/6.7, mbtmpp3.5/7, ML3.6/2, Error ellipse: s-maj=63.8km s-min=24.8km az=51.0

ISCBJ 19 15:09:37.7±1.8, 2°4'N, 92°93'E, 0.2, h21km, mb3.6/5, Error ellipse: s-maj=35.4km s-min=17.7km az=11.7

ISC 19 15:09:39.6±2.1, 2°4'N, 92°93'E, 0.2, h21km, n7, ±05/38/7, mb3.7/5, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PSI Prapat, CMAR Chiang Mai Arr, MKAR Makanchi Array, etc.

ISCBJ 19 15:22:7.0±8.3, 37°79'N, 104°26'74"E, 0.06, h14km, 10km, Error ellipse: s-maj=3.0km s-min=2.5km az=141.3

CSEM 19 15:22:8.0±2.3, 37°79'N, 106°73'E, h10km, ML2.2, Error ellipse: s-maj=4.1km s-min=2.7km az=49.0

DDA 19 15:22:9.3, 37°81'N, 26°74'E, h7km, ML2.5, ISK 19 15:22:3.3, 37°81'N, 26°74'E, h13km, ML2/5

ISC 19 15:23:1.1±1.1, 37°81'N, 104°26'76"E, 0.04, h17km, 10km, n19, ±05/40/29, Dodecanese Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DGB Zmir, GCAM G?zelcam!, etc.

KRNET 19 15:31:40.1±0.1, 40°47'N, 70°63'E, mb2.5, ISCBJ 19 15:31:41.5±1.5, 10°39'N, 0°04'70"E, 0.1, h10km, Error ellipse: s-maj=12.9km s-min=5.9km az=172.9

NNC 19 15:31:48.3±8.1, 40°71'N, 70°93'E, h10km, 49km, mb3.0, mpv2.6, Error ellipse: s-maj=41.6km s-min=23.1km az=23.0

ISC 19 15:31:41.1±1.5, 40°46'N, 0°05'70"E, 0.09, h10km, n9, ±19/39/16, 11C-7D, Tajikistan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BTK Batken, ARK Arkit, ARS Arslanbob, etc.

GUC 19 15:45:02.6±0.6, 33°88'S, 72°15'W, h41km, 5km, ML3.5, 3C-3D, Off coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GO05 Hualaeø, ANTU Antupamu, ROCH El Roble, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DGB Zmir, GCAM G?zelcam!, ZEY Zmir, etc.

ISCBJ 19 15:51:38.4±0.2, 20°19'S, 0°03'176"E, 0.06, h21km, mb4.4/5.2, Error ellipse: s-maj=7.9km s-min=3.4km az=8.8

NEIC 19 15:51:39.9±0.9, 20°22'S, 176°21'W, h216km, 9km, mb4.6/3.1, Error ellipse: s-maj=7.4km s-min=5.5km az=135.0

IDC 19 15:51:40.4±1.6, 20°26'S, 176°18'W, h220km, 15km, mb4.3/28, mb1.4/3.3, mb1mx4.2/4.8, mbtmpp4.8/3.1, Error ellipse: s-maj=9.7km s-min=9.9km az=117.0

WEL 19 15:51:50.2±1.2, 21°S, 12°17'5W, 4.2, h260km, 10km, ISC 19 15:51:58.8±0.3, 20°34'S, 0°05'176"W, 0.08, h211km, n162, ±196/179, mb4.5/5.2, SC-3P, Fiji Islands Region

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





Table with columns: Call Sign, Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like OMMB Old Mammoth Mi, WAKR Walker, PAHR Pat Rich Range, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like URZ Urewera, STKA Stephens Creek, WRA Waramunga Arr, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like JIRN Jiri, DANN Danging, PKIN Phulchoki, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like MKAR Makanchi Array, AAK Ala-Archa, KURBB Kurchatov Arr, etc.

Table with columns: Call Sign, Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like DAV Davao City (W), FINES FINESS Array B, MLR Muntele Ross, etc.

ISN 19 18:21:24.9 0.0, 32:55N:46:81E, h9km, mb3.8/12, ML3.5
ISCJB 19 18:21:25.0 1.0, 32:51N:0:04:46:87E:0:04, h11km, g6km, mb4.2/20, Error ellipse: s-maj=6.1km s-min=5.8km az=43.5

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like IKFM Kafar-mosalmal, IKFM Kafar-mosalmal, NSR Nassriya, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like IVIS Veis, IVIS Veis, BHD Baghdad, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like IZEF Zefreh, IZEF Zefreh, RTB Rutbah, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like ASAF Jabal al Asfar, ASAF Jabal al Asfar, RAYN Ar Rayn, etc.

Table with columns: Call Sign, Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like MKAR Makanchi Array, MKOI Makanchi Array, FINES FINESS Array B, etc.

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

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like IKOM Komasi, IKOM Komasi, SHGR Shooshtar-Gavs, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like SHGR Shooshtar-Gavs, NSR Nassriya, NSR Nassriya, etc.

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

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like QAM Gamsar, QAM Gamsar, IKLH Kolahrood, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ALIBECK ARRAY, AKTUBUL ARRAY, UOSS Minazif, WSAR, ABKAR Akbulak array, etc.

ISN 19 18:48:30.1, 1.4, 32.55N, 46.81E, h6km, 5km, ML3.3
CSEM 19 18:48:33.0, 2.32, 49N, 46.72E, h10km, ML3.3, Error ellipse: s-maj=6.6km s-min=5.0km az=22.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Katar-mosalmal, IKOM Komasi, NSR Nassriya, SHGR Shooshtar-Gavs, etc.

CSEM 19 18:56:27.6, 0.4, 38.76N, 43.55E, h12km, ML2.6, Error ellipse: s-maj=10.8km s-min=5.7km az=89.0
ISK 19 18:56:27.2, 38.76N, 43.43E, h5km, ML2.6/5

DDA 19 18:56:27.4, 38.76N, 43.58E, h7km, ML2.7
ISCJB 19 18:56:28.1, 0.9, 38.76N, 0.03, 43.58E, 0.008, h19km, 5km, Error ellipse: s-maj=10.6km s-min=4.9km az=5.8

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

NIED 19 19:05:00, 39.60N, 143.70E, h11km, Mw5.8 Best double couple: M6.21000x1017 NP1.184, 0.0000, 815.00000, 7.64, 0.00000, NP2.303, 0.00000, 877.00000, 1.97, 0.00000

JMA 19 19:05:17.5, 0.2, 39.70N, 143.68E, h33km, M6.0
JMA 19 19:05:17.2, 39.65N, 143.14E, h5km, mb5.6/83, mb6.0/76, Ms6.2/88, Ms7.6/83

ISCJB 19 19:05:17.5, 0.6, 39.72N, 0.01, 143.31E, 0.01, h8km, 3km, s-min=1.7km az=153.0

IDC 19 19:05:17.1, 0.3, 39.59N, 143.49E, h0km, mb5.1/57, mb1.5/66, mb1mx5.1/60, mbmp5.1/66, ML4.2/8, MS5.5/59, Ms1.5/59, ms1mx5.4/69, Error ellipse: s-maj=9.8km s-min=8.0km az=108.0

NEIC 19 19:05:19.0, 0.1, 39.67N, 143.31E, h10km, mb5.6/296, MS5.5/101, MW5.9, Error ellipse: s-maj=3.3km s-min=2.1km az=15.0, Moment Tensor Solution. s66 Moment tensor: Scale 10^17Nm; Ms=3.1; Mw=2.32; Mw=2.99; Ms=3.72; Mw=1.48; Mw=6.8; Best double couple: M6.980000x1017 NP1.222, 0.00000, 815.00000, 1.04, 0.00000, NP2.262, 0.00000, 876.00000, 1.86, 0.00000

NEIC Recorded [3 JMA] in Iwate.
GCMT 19 19:05:19.0, 0.1, 39.67N, 143.60E, h18km, MW5.8/145, Moment Tensor Solution. s125, c256; s145, c414; Duration: 2x0 Moment tensor: Scale 10^17Nm; Ms=3.47; Mw=0.04; Mw=0.01; Mw=3.46; Mw=2.26; 10; Mw=0.61; Mw=5.53; 15; Best double couple: M6.933000x1017 NP1.222, 0.00000, 875.00000, 1.96, 0.00000, NP2.319, 0.00000, 816.00000, 1.70, 0.00000

Principal axes: T 6.9490, Plg6.0000, Azm299.0000; N -0.0300, Plg6.0000, Azm199.0000; P -6.9170, Plg3.0000, Azm102.0000; surface1 refers to body waves, cutoff=400, nsta2 refers to nsta/mantle waves, cutoff=50s.

MOS 19 19:05:20.2, 1.0, 39.79N, 143.31E, h26km, mb5.8/150, MS5.7/66 Error ellipse: s-maj=5.3km s-min=3.5km az=120.4

ISC 19 19:05:20.2, 0.4, 39.74N, 0.03, 143.46E, 0.03, h20km, 1km, h20km, pp-P, n1700, s171, 1764, mb5.6/535, MS5.7/229, 134C-22P, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Tanohata, Miyakonagasawa, OFUJ Ofunato, JANG Nango, etc.

comp=N, 195nm, 0.3s pmax pmax
comp=E, 322nm, 0.3s smax smax
comp=N, 99nm, 0.3s smax smax
comp=E, 149nm, 0.5s pmax pmax
ASAJ Asahikawa 4.42 352 eP Pn 19 07 20.9 +3.7
ASAJ Asahikawa 4.42 352 eP Sn 19 07 20.9 +3.7
GRPR Tuman 4.59 21 eS Sn 19 07 27.8 -2.9

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

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Table with columns for flight codes (KSAR, KLR, etc.), destinations (Wanju Array Be, Kul'dur, etc.), times, and status indicators (Pn, P, S, etc.).

2012 MAY

Table with columns for flight codes (BJI, BJT, etc.), destinations (Beijing, Baijiautau, etc.), times, and status indicators (P, S, Pmax, etc.).

19d 19h

Table with columns for flight codes (BTO, QZH, etc.), destinations (Quanzhou, WAKE ISLAND, etc.), times, and status indicators (Pmax, P, S, etc.).





19d 19h

Table with columns for call sign, name, frequency, power, mode, and other technical details. Includes stations like KHMM, PINE, MOR8, COCO, YBHK, etc.

2012 MAY

Table with columns for call sign, name, frequency, power, mode, and other technical details. Includes stations like KIV, KBZ, TBLG, RDG13, etc.

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Table with columns for call sign, name, frequency, power, mode, and other technical details. Includes stations like BOZ, WSAR, RYN, KVN, etc.

<b>MOOW</b>	<b>Moose Ponds</b>	73.34	47	eP	P	19 16 52.4 +1.6	<b>BFSC</b>	<b>Mount Baldy Ra</b>	75.05	58	P	P	19 17 01.9 +1.1							
<b>ALNE</b>	<b>AI Ain</b>	73.36	288	iP	P	19 16 50.8 -0.2	<b>CIS</b>	<b>Catalina Islan</b>	75.07	59	P	P	19 17 02.3 +1.6							
<b>TPAW</b>	<b>Teton Pass</b>	73.39	47	eP	P	19 16 53.1 +2.0	<b>BORG</b>	<b>Borganes</b>	75.17	353	P	P	19 17 03.0 +2.3							
<b>HVU</b>	<b>Hansel Valley</b>	73.42	49	eP	P	19 16 52.2 +1.0	<b>BORG</b>	<b>Borganes</b>	75.17	353	P	P	19 17 02.6 +1.9							
<b>CWC</b>	<b>Cottonwood Cre</b>	73.44	56	P	P	19 16 52.5 +1.1	<b>BORG</b>	<b>Borganes</b>	75.17	353	eP	P	19 17 02.6 +1.9							
<b>SUW</b>	<b>Suwalki</b>	73.47	328	eP	P	19 16 51.8 +0.8	<b>BORG</b>	<b>Borganes</b>	75.17	353	eP	P	19 17 02.6 +1.9							
<b>SUW</b>	<b>Suwalki</b>	73.47	328	eP	P	19 16 51.8 +0.8	<b>BORG</b>	<b>Borganes</b>	75.17	353	eP	P	19 17 02.6 +1.9							
<b>SUW</b>	<b>Suwalki</b>	73.47	328	eP	P	19 16 51.8 +0.8	<b>BORG</b>	<b>Borganes</b>	75.17	353	eP	P	19 17 02.6 +1.9							
<b>LOHW</b>	<b>Long Hollow</b>	73.51	47	eP	P	19 16 53.2 +1.5	<b>BORG</b>	<b>Borganes</b>	75.17	353	eP	P	19 17 02.6 +1.9							
<b>SNOW</b>	<b>Snow King Moun</b>	73.52	47	eP	P	19 16 52.1 +0.2	<b>MPU</b>	<b>Maple Canyon</b>	75.20	50	eP	P	19 17 04.6 +3.0							
<b>GRAD</b>	<b>Red Top Meadow</b>	73.53	47	eP	P	19 16 53.2 +1.3	<b>SHPR</b>	<b>Sheep Range</b>	75.25	55	eP	P	19 17 03.0 +1.1							
<b>RECW</b>	<b>Grapevine Rang</b>	73.55	56	P	P	19 16 53.4 +1.5	<b>SORM</b>	<b>Soroca</b>	75.31	321	iP	P	19 17 01.0 -0.8							
<b>HYA</b>	<b>Hooyanger</b>	73.60	340	eP	P	19 16 53.2 +1.6	<b>HOMB</b>	<b>Homborsund</b>	75.37	337	eP	P	19 17 00.8 -1.1							
<b>AJN</b>	<b>Ajban</b>	73.63	288	iP	P	19 16 51.9 -0.5	<b>PTK</b>	<b>Pertek</b>	75.41	309	eP	P	19 17 04.9 +2.0							
<b>ISA</b>	<b>Isabella, Lake</b>	73.65	57	eP	P	19 16 54.1 +1.6	<b>TUQ</b>	<b>Turquoise Moun</b>	75.43	56	eP	P	19 17 04.8 +1.8							
<b>ISA</b>	<b>Isabella, Lake</b>	73.65	57	eP	P	19 16 52.6 +0.1	<b>HEC</b>	<b>Hector,Ludlow</b>	75.55	57	P	P	19 17 05.2 +1.6							
<b>ISA</b>	<b>Isabella, Lake</b>	73.65	57	eP	P	19 16 52.7 +0.1	<b>ILIC</b>	<b>ilic-Erzincan</b>	75.55	309	eP	P	19 17 04.1 +0.6							
<b>DGMT</b>	<b>Dagmar</b>	73.73	40	P	P	19 16 53.8 +1.1	<b>MZR</b>	<b>Muzera</b>	75.66	288	iP	P	19 17 03.9 -0.4							
<b>DGMT</b>	<b>Dagmar</b>	73.73	40	eP	P	19 16 53.7 +1.0	<b>RSDY</b>	<b>Resadye-TOKAT</b>	75.68	311	eP	P	19 17 03.2 -0.9							
<b>DGMT</b>	<b>Dagmar</b>	73.73	40	eP	P	19 16 53.7 +1.0	<b>SNART</b>	<b>Snartemo</b>	75.69	338	eP	P	19 17 05.6 +1.8							
<b>DGMT</b>	<b>Dagmar</b>	73.73	40	eP	P	19 16 53.7 +1.0	<b>CCUT</b>	<b>Cedar City</b>	75.72	53	eP	P	19 17 06.1 +1.4							
<b>ARVC</b>	<b>Arvin</b>	73.75	58	P	P	19 16 54.6 +1.6	<b>MURC</b>	<b>Murieta</b>	75.75	58	P	P	19 17 06.0 +1.3							
<b>AHID</b>	<b>Auburn Hatcher</b>	73.77	48	eP	P	19 16 54.1 +0.8	<b>SVRC</b>	<b>Swirce-ELAZID</b>	75.79	308	eP	P	19 17 06.9 +1.9							
<b>AHID</b>	<b>Auburn Hatcher</b>	73.77	48	eP	P	19 16 54.1 +0.8	<b>BSD</b>	<b>Bornholm Skovb</b>	75.81	332	iP	P	19 17 05.5 +0.9							
<b>BGU</b>	<b>Big Grassy Mou</b>	73.80	50	eP	P	19 16 55.8 +2.4	<b>BSD</b>	<b>Bornholm Skovb</b>	75.81	332	iP	P	19 17 05.5 +0.9							
<b>DAC</b>	<b>Darwin (Calif)</b>	73.85	56	eP	P	19 16 54.7 +0.9	<b>MSU</b>	<b>Marysvale</b>	75.83	52	eP	P	19 17 06.7 +1.4							
<b>DAC</b>	<b>Darwin (Calif)</b>	73.85	56	eP	P	19 16 54.7 +0.9	<b>MSU</b>	<b>Marysvale</b>	75.83	52	eP	P	19 17 06.7 +1.4							
<b>R11A</b>	<b>Troy Canyon, C</b>	73.85	53	P	P	19 16 55.2 +1.4	<b>SZCU</b>	<b>Shurtz Canyon</b>	75.86	53	eP	P	19 17 07.0 +1.5							
<b>R11A</b>	<b>Troy Canyon, C</b>	73.85	53	P	P	19 16 54.6 +0.8	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>LAO</b>	<b>LASA Array</b>	73.89	42	P	P	19 16 54.9 +1.2	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>LAO</b>	<b>LASA Array</b>	73.89	42	eP	P	19 16 54.8 +1.0	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>LAO</b>	<b>LASA Array</b>	73.89	42	eP	P	19 16 54.8 +1.0	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>SPUT</b>	<b>South Promonto</b>	73.90	50	eP	P	19 16 55.4 +1.4	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>KONO</b>	<b>Kongsberg</b>	73.91	338	eP	P	19 16 54.4 +0.9	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>KONO</b>	<b>Kongsberg</b>	73.91	338	eP	P	19 16 49.6 -3.9	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>KONO</b>	<b>Kongsberg</b>	73.91	338	eP	P	19 16 55.0 +1.5	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>VRTB</b>	<b>Varto-Mus</b>	73.99	308	eP	P	19 16 56.8 +2.2	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>GURC</b>	<b>Guroymon-BITLI</b>	74.02	307	eP	P	19 16 55.9 +1.2	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>BAYT</b>	<b>Ayd-ntepe-Baz</b>	74.02	309	eP	P	19 16 56.4 +1.7	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>MPMC</b>	<b>Manual Prospe</b>	74.05	56	P	P	19 16 56.4 +1.4	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>FURC</b>	<b>Furnace Creek,</b>	74.20	56	P	P	19 16 57.2 +1.6	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>BLRG</b>	<b>Laguna Peak, P</b>	74.21	59	P	P	19 16 57.5 +1.8	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>KLNR</b>	<b>Kalinigrad</b>	74.22	330	eP	P	19 16 57.0 +1.6	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>KLNR</b>	<b>Kalinigrad</b>	74.22	330	eP	P	19 16 57.0 +1.6	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>HWUT</b>	<b>Hardware Ranch</b>	74.23	49	eP	P	19 16 57.3 +1.4	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>HWUT</b>	<b>Hardware Ranch</b>	74.23	49	eP	P	19 16 57.3 +1.4	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>LRMC</b>	<b>Laurel Mtn Rad</b>	74.28	57	P	P	19 16 57.6 +1.4	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>TPNV</b>	<b>Topopah Spring</b>	74.29	55	P	P	19 16 57.7 +1.3	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>TPNV</b>	<b>Topopah Spring</b>	74.29	55	eP	P	19 16 56.8 +0.4	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>TPNV</b>	<b>Topopah Spring</b>	74.29	55	eP	P	19 16 56.8 +0.4	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>TPNV</b>	<b>Topopah Spring</b>	74.29	55	eP	P	19 16 56.8 +0.4	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>YEDI</b>	<b>Yedisu-Bingol</b>	74.37	308	eP	P	19 16 58.3 +1.5	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>DUG</b>	<b>Dugway, Tooele</b>	74.39	51	P	P	19 16 58.0 +1.2	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>DUG</b>	<b>Dugway, Tooele</b>	74.39	51	eP	P	19 16 58.5 +1.7	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>DUG</b>	<b>Dugway, Tooele</b>	74.39	51	eP	P	19 16 58.5 +1.7	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>DUG</b>	<b>Dugway, Tooele</b>	74.39	51	eP	P	19 16 58.5 +1.7	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>SIRT</b>	<b>Sirkak</b>	74.41	306	eP	P	19 16 58.1 +1.1	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>SNWC</b>	<b>San Nicolas Is</b>	74.42	60	P	P	19 16 58.7 +1.7	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>EDWO</b>	<b>Edwards Air Fo</b>	74.48	58	P	P	19 16 58.4 +1.3	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>BER</b>	<b>Bergen</b>	74.49	340	eP	P	19 16 58.5 +1.7	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>SIM</b>	<b>Simieropol'</b>	74.52	316	eP	P	19 16 58.2 +0.9	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>SIM</b>	<b>Simieropol'</b>	74.52	316	eP	P	19 19 42.5	<b>KIS</b>	<b>Kishinev</b>	75.87	320	eP	P	19 17 06.0 +0.9							
<b>SIM</b>	<b>Simieropol'</b>	74.52	316	eP	P	19														



19d 19h

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like Wickenburg, Trail, Poagonele, etc.

2012 MAY

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like Berggiesshubel, Wickenburg, Trail, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like RAR, RAR, HERR, etc.

Table with columns: ID, Name, Time, Date, Status, and other details. Includes entries like E40A Wakefield, D41A Chassel, HPK Haverpark, etc.

Table with columns: ID, Name, Time, Date, Status, and other details. Includes entries like PVY Plav, M36A Felix, L37A Phoenix Island, etc.

Table with columns: ID, Name, Time, Date, Status, and other details. Includes entries like H43A Windswept, HGH Bath, FUORN Offenpasse, etc.



Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like JTS, TOA1, TORODI, etc.

JMA 19:08:55.1-0.2, 39'56N-143'75E, h22km, M4.1, Off east coast of Honshu

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

JMA 19:10:25.1-0.2, 39'56N-143'74E, h43km, M3.5, Off east coast of Honshu

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

ISC/JB 19:10:36.9-0.5, 15'14N-0'04-96'78E-0'09, h15km, mb4.7/14, Error ellipse: s-maj=11.8km s-min=6.0km az=0.7

IDC 19:10:37.0-1.0, 15'14N-96'80E, h0km, mb4.1/6, mb1.4/6.7, mb1mx3.8/7.5, mbtrmp4.1/7, ML 4.1/1, Error ellipse: s-maj=30.6km s-min=18.8km az=75.0

NEIC 19:10:38.1-0.4, 15'17N-96'83E, h10km, mb4.6/5, Error ellipse: s-maj=11.6km s-min=5.8km az=86.0

ISC 19:10:37.6-0.7, 15'14N-0'06-96'6E-0'11, h15km, n38, sigma196/35, mb4.6/14, Near south coast of Myanmar

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SRDT, CM01, CM31, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like SHL, IPM, PSI, etc.

NIED 19:13:00.39'60N, 143'70E, h17km, Mw5.0 Best double couple: M2 990000.1016 NP1.201.00000.829.00000.180.00000. NP2=96.32000.861.00000.145.00000.

JMA 19:13:40.7-0.2, 39'62N-143'70E, h11km, M4.9, JMA Felt J1, BUJ 19:13:41.7, 39'58N-143'55E, h11km, mb5.0/50, mB5.2/12, Ms5.3/6, Ms7.5/0.6

IDC 19:13:42.9-0.4, 39'58N-143'39E, h0km, mb4.5/40, mb1.4/6.6, mb1mx4.5/7.9, mbtrmp4.5/46, ML 4.3/5, MS4.5/1, mB1.4/5.1, ms1mx3.9/66, Error ellipse: s-maj=12.4km s-min=9.1km az=110.0

ISC/JB 19:13:43.3-0.2, 39'61N-0'02-143'45E-0'03, h12km, mb4.6/158, Error ellipse: s-maj=3.8km s-min=2.5km az=141.2

NEIC 19:13:44.6-1.6, 39'60N-143'39E, h10km-10km, mb4.7/100, Error ellipse: s-maj=4.4km s-min=2.9km az=135.0

NEIC Recorded [1 JMA] in Akita, Aomori, Iwate and Miyagi. MOS 19:13:45.1-1.5, 39'68N-143'48E, h29km, mb5.0/64, Error ellipse: s-maj=9.5km s-min=5.9km az=89.8

ISC 19:13:44.6-0.9, 39'60N-0'03-143'56E-0'04, h13km-5.5km, n383, sigma175/410, mb4.7/172, 12C-5D, Off east coast of Honshu

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

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

LAGR Lagunnoye 4.75 20 eP Pn 19 14 55.2 -0.7

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

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

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like JHJ2, HACHIOJIMA, etc.

Table with columns for call sign, name, frequency, mode, and other details. Includes stations like LZH, MOY, TIXI, GYA, CD2, etc.

Table with columns for call sign, name, frequency, mode, and other details. Includes stations like KKN, PKI, PKIN, GKN, TKM2, etc.

Table with columns for call sign, name, frequency, mode, and other details. Includes stations like SUMG, SUMG, SUMG, AKT, AKT, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, Azimuth Error, Elevation Error, and other parameters. Includes stations like MORC, DPC, UPC, etc.

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

Main table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, Azimuth Error, Elevation Error, and other parameters. Includes stations like JMK, JIO, JJC, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, Azimuth Error, Elevation Error, and other parameters. Includes stations like SEY, YAK, NACB, etc.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GSC Goldstone, W13A Hualapai, etc.

ISC/JB 19:23:40.7-0.6, 4.76S:0.06:143.85E:0.08, h98km, mb3.7/11, Error ellipse: s-maj=12.8km s-min=7.9km az=154.1

ICD 19:23:43.4, 2.5, 4.77S:143.94E, h112km, 24km, mb3.6/11, mb1.3/7.14, mb1mx3.5/4.7, mbtmp4.0/14, Error ellipse: s-maj=22.7km s-min=15.4km az=67.0

ISC 19:23:42.5-0.7, 4.85S:0.08:143.8E:0.1, h98km, n17, z=202/19, mb3.9/10, New Guinea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, SIJ Sorong, WRA Warraguta, etc.

MAN 19:34:51.2, 13.38N:120.08E, h34km, mb4.4, ML3.2, MS3.0, 1C, Mindoro

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LUBP Lubang, SJMP San Jose, BOSP Coron, etc.

ISC/JB 19:39:00.4-0.4, 30.00S:0.02:70.01W:0.04, h129km, 4km, Error ellipse: s-maj=5.9km s-min=3.3km az=175.2

GUC 19:39:01.5-0.7, 30.01S:70.21W, h121km, 21km, ML4.1, NEIC 19:39:01.0-0.0, 30.01S:70.21W, h121km, ML4.1 (GUC), After GUC.

NEIC Felt at La Serena. SJA 19:39:01.9-1.0, 30.02S:69.96W, h109km, 6km, ML3.6, MW3.8

ISC 19:38:58.9-0.9, 30.00S:0.03:70.00W:0.04, h138km, 7km, n51, z=215/10, 8C-1D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AROD Rodeo, G004 Tololo, LCO Las Campanas, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AAGR Agrelo, ACAN Cantantal, FCH Farellones, etc.

ISC/JB 19:40:44.8-0.3, 59.73N:0.03:24.56E:0.05, h0km, Error ellipse: s-maj=3.8km s-min=3.2km az=148.0

ICD 19:40:46.1-1.9, 59.61N:24.82E, h0km, mb1.3, 3.5/3, mb1mx3.1/6.1, mbtmp3.4/3, ML3.5/2, Error ellipse: s-maj=2.1km s-min=7.5km az=140.0

HEL 19:40:46.8-0.1, 59.66N:24.59E, h0km, ML2.5, Explosion UPP 19:40:46.5-2.7, 59.75N:24.65E, h0km, ML2.2

CSEM 19:40:46.4-0.2, 59.66N:24.63E, h2km, ML2.6, Error ellipse: s-maj=5.3km s-min=4.6km az=136.0, Mining explosion.

NAO 19:40:46.8-0.9, 59.69N:24.54E, ML2.1, BER 19:40:48.0-3.9, 59.67N:24.62E, h0km, 13km, ML2.1 (NAO)

ISC 19:40:45.6-0.7, 59.73N:0.03:24.59E:0.03, h0km, n83, z=194/110, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MEF Metsahovi, ARBE Arbavere, VSU Vasula, etc.

ISC/JB 19:41:20.2-0.5, 2.78N:0.07:89.43E:0.06, h10km, mb4.3/23, Error ellipse: s-maj=12.6km s-min=6.5km az=107.8

ICD 19:41:21.1-1.1, 2.79N:89.35E, h0km, mb3.8/10, mb1.3/9.12, mb1mx3.6/6.7, mbtmp3.8/12, ML3.7/2, Error ellipse: s-maj=36.7km s-min=18.6km az=43.0

NEIC 19:41:22.3-0.4, 2.85N:89.45E, h10km, mb4.6/15, Error ellipse: s-maj=9.2km s-min=5.0km az=215.0

ISC 19:41:22.0-0.8, 2.8N:0.1:89.43E:0.09, h10km, n61, z=174/52, mb4.3/23, North Indian Ocean

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AROD Rodeo, G004 Tololo, LCO Las Campanas, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OSTU Oestervaa, BACU Backbrunna, IGGU Iggoen, etc.

ISC/JB 19:41:20.2-0.5, 2.78N:0.07:89.43E:0.06, h10km, mb4.3/23, Error ellipse: s-maj=12.6km s-min=6.5km az=107.8

ICD 19:41:21.1-1.1, 2.79N:89.35E, h0km, mb3.8/10, mb1.3/9.12, mb1mx3.6/6.7, mbtmp3.8/12, ML3.7/2, Error ellipse: s-maj=36.7km s-min=18.6km az=43.0

NEIC 19:41:22.3-0.4, 2.85N:89.45E, h10km, mb4.6/15, Error ellipse: s-maj=9.2km s-min=5.0km az=215.0

ISC 19:41:22.0-0.8, 2.8N:0.1:89.43E:0.09, h10km, n61, z=174/52, mb4.3/23, North Indian Ocean

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LHHI Lhok Sumawe, GSI Gunungstilet, PBA Port Blair, etc.

ISC/JB 19:41:20.2-0.5, 2.78N:0.07:89.43E:0.06, h10km, mb4.3/23, Error ellipse: s-maj=12.6km s-min=6.5km az=107.8

ICD 19:41:21.1-1.1, 2.79N:89.35E, h0km, mb3.8/10, mb1.3/9.12, mb1mx3.6/6.7, mbtmp3.8/12, ML3.7/2, Error ellipse: s-maj=36.7km s-min=18.6km az=43.0

NEIC 19:41:22.3-0.4, 2.85N:89.45E, h10km, mb4.6/15, Error ellipse: s-maj=9.2km s-min=5.0km az=215.0

ISC 19:41:22.0-0.8, 2.8N:0.1:89.43E:0.09, h10km, n61, z=174/52, mb4.3/23, North Indian Ocean

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LHHI Lhok Sumawe, GSI Gunungstilet, PBA Port Blair, etc.











Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like WRA, PLAI, STKI, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like KKN, DKN, GKM, etc.

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like SAML, SIV, and various international stations.



19d 22h

Table with columns for station name, frequency, power, and signal strength. Includes stations like Yellowknife Ar, Gornyy Seaside, Ermo, etc.

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Table with columns for station name, frequency, power, and signal strength. Includes stations like Beach Ranch, Zeya, Paynes Creek, etc.

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Table with columns for station name, frequency, power, and signal strength. Includes stations like Devils Postpil, Old Mammoth Mi, Mira Array Sit, etc.





Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like LONY, 4Y7A, 344A, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like MAKZ, BRAL, BVAR, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like HFS, QIZ, QIZZ, etc.



19d 22h

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like VSR Storzhevoje, SHL Chiengmai2, VORD Divnogorie, etc.

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Table with columns: Station, Frequency, Power, and other technical details. Includes stations like GOF Gofitskoye, KBL Kabul, LANS Liptovska Anna, etc.

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Table with columns: Station, Frequency, Power, and other technical details. Includes stations like RKT Rikitea, MYKA Terra Mystica, CFR Carcaliu, etc.



19d 23h

1.1nm,0.7s,baz=124,slow=4.6,SNR=4.8
ILAR Eielson Array 58.64 338 P P 22 53 33.5 -0.2
0.6nm,0.8s,baz=147,slow=6.3,SNR=7.2

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes SJA 19 22:44:45.1, 1.2, 31°50'S, 68°8'W, h104km, 7km, ML2.8, MW4.3, San Juan Province.

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes SJA 19 22:54:00.2, 0.6, 30°58'S, 68°8'W, h120km, 6km, ML2.8, MW4.6, San Juan Province.

CSEM 19 22:58:22.4, 0.7, 38°02'N, 43°74'E, h15km, ML2.5, Error ellipse: s-maj=13.4km s-min=6.1km az=84.0

ATA 19 22:58:22.6, 1.8, 38°07'N, 43°67'E, h2km, 21km, ML2.7, MW2.8

ISK 19 22:58:23.5, 38°09'N, 43°62'E, h18km, ML2.3/4

ISCB 19 22:58:24.2, 1.1, 38°00'N, 04°43'66E, 0.08, h15km, 4km, Error ellipse: s-maj=11.1km s-min=5.9km az=4.7

DDA 19 22:58:24.1, 38°05'N, 43°63'E, h7km, ML2.5

ISC 19 22:58:23.7, 1.3, 38°09'N, 03°43'67E, 0.06, h16km, 7km, n24, c0583/35, Turkey

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes VMUR Van-Muradiye, ADCV BITLIS\_Adilcev, etc.

ROM 19 23:13:25.6, 0.2, 44°91'N, 0°00'51.17'E, h9km, ML4.1/89

IDC 19 23:13:26.3, 0.6, 44°86'N, 11°09'E, h0km, mb3.9/18, mb1.4/0.27, mb1mx3.9/66, mbtmp3.8/27, ML3.6/8, MS3.4/20, Ms1.3/4.20, ms1mx3.2/65, Error ellipse: s-maj=12.7km s-min=8.8km az=123.0

PRU 19 23:13:26.3, 44°82'N, 11°37'E, h0km, M4.2

MOS 19 23:13:26.1, 1.0, 44°95'N, 11°17'E, h10km, mb4.3/17, Error ellipse: s-maj=4.1km s-min=3.7km az=66.7

LDG 19 23:13:26.9, 0.1, 44°91'N, 11°39'E, h2km, ML4.2/19, Error ellipse: s-maj=1.8km s-min=1.4km az=48.0

CSEM 19 23:13:27.4, 0.1, 44°39'N, 11°25'E, h5km, mb4.0/8, ML4.3/15, MW4.0, Error ellipse: s-maj=1.5km s-min=1.4km az=82.0

NEIC 19 23:13:27.0, 1.0, 44°90'N, 11°26'E, h6km, mb4.2/4, MW4.0, ML4.1(ROM), Moment Tensor Solution. s27 Moment tensor: Scale 10^19Nm; Mir1.32; M00-1.22; M00-0.10; M0-0.35; M00.27; M0-0.40; Best double couple: M01.40000x10^15 NP1.0x266.00000, 0.53.00000, 0.69.00000. NP2.0x119.00000, 0.84.00000, 0.116.00000. Principal axes: T 1.4900, P1g72.0000, Azm119.0000, N -0.1800, P1g17.0000, Azm279.0000; P -1.3000, P1g6.0000, Azm11.0000; After ROM.

NEIC Felt [IV] in the Cento-Ferrara-Miranola area; [III] at Padova and Verona; [II] at Bologna, Modena, Parma and Venice. Felt in much of Emilia-Romagna, Veneto, eastern Liguria, southeastern Lombardy and northern Tuscany.

ISCJB 19 23:13:28.1, 0.2, 44°90'N, 0°10'11.26'E, 0.01, h25km, 2km, mb4.0/30, MS3.5/14, Error ellipse: s-maj=1.7km s-min=1.5km az=35.0

PDG 19 23:13:28.0, 1.4, 44°92'N, 11°26'E, h20km, 1km, ML4.0/13, Error ellipse: s-maj=0.8km s-min=1.3km az=0.0

STR 19 23:13:32.2, 2.2, 45°10'N, 1°15'E, h5km, M4.9/15, mb5.3/3, mb5.6/2, MLV4.7/15, Mw(mb)5.1/2

ISC 19 23:13:28.0, 0.7, 44°92'N, 0°11'22E, 0.02, h14km, 4km, n843, c1970/993, mb4.1/30, MS3.5/14, 63C-76D, Northern Italy

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Includes SERM Sermede, SERM Sermede, etc.

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Main table with columns: Station Name, Delta A, AZ, Phase ID, Time, Res. Includes RAVA RAVA, GAZZO GAZZO, NOVELLARA NOVELLARA, etc.

Table with columns: Station Name, Delta A, AZ, Phase ID, Time, Res. Includes PRMA PARMA, MARNA MARANA, etc.

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VLC	comp=E,5860um,0.9s	AML	AML						
VLC	comp=N,5190um,0.9s	AML	AML						
VLC	comp=E,5860um,0.9s	AML	AML						
VLC	comp=N,5190um,0.9s	AML	AML						
PTF	0.96 186 P	Pg	Pg	23 13 46.5	-0.9				
PTF	0.96 186 P	Pg	Pg	23 13 46.5	-0.9				
DOSS	0.96 359 ePg	Pg	Pg	23 13 46.4	-1.1				
DOSS	0.96 359 ePg	Sb	Sb	23 14 00.1	0.0				
DOSS	0.96 359 ePg	Pg	Pg	23 13 46.4	-1.1				
DOSS	0.96 359 ePg	Sb	Sb	23 14 00.1	0.0				
CNCS	0.99 315 AML	AML	AML						
CNCS	comp=N,3260um,0.5s	AML	AML						
CNCS	comp=E,3995um,0.4s	AML	AML						
CNCS	comp=N,3260um,0.5s	AML	AML						
CNCS	comp=E,3995um,0.4s	AML	AML						
CNCS	comp=N,3260um,0.5s	AML	AML						
CGRP	1.05 23j ePg	Pb	Pb	23 13 47.4	-1.5				
CGRP	1.05 23j ePg	Sb	Sb	23 14 03.6	-0.2				
CGRP	1.05 23j ePg	Pb	Pb	23 13 47.4	-1.5				
CGRP	1.05 23j ePg	Sb	Sb	23 13 47.9	-1.0				
CGRP	1.05 23j ePg	Pb	Pb	23 14 03.6	-0.2				
CGRP	1.05 23j ePg	Sb	Sb	23 13 47.9	-1.0				
CGRP	comp=E,7225um,0.6s	AML	AML						
CGRP	comp=N,10665um,1.0s	AML	AML						
CGRP	comp=E,7225um,0.6s	AML	AML						
CGRP	comp=N,10665um,1.0s	AML	AML						
CGRP	comp=N,10665um,1.0s	AML	AML						
CGRP	comp=E,7225um,0.6s	AML	AML						
CTL8	1.09 290 AML	AML	AML						
CTL8	comp=N,4710um,1.3s	AML	AML						
CTL8	comp=E,2645um,1.0s	AML	AML						
CTL8	comp=N,3465um,1.1s	AML	AML						
CTL8	comp=E,1030um,0.9s	AML	AML						
CTL8	comp=N,4705um,1.3s	AML	AML						
CTL8	comp=E,2645um,1.0s	AML	AML						
CTL8	comp=N,3460um,1.1s	AML	AML						
CTL8	comp=E,1030um,0.9s	AML	AML						
CTL8	comp=N,4710um,1.3s	AML	AML						
CTL8	comp=E,1030um,0.9s	AML	AML						
CTL8	comp=N,3460um,1.1s	AML	AML						
CTL8	comp=E,2645um,1.0s	AML	AML						
MTLO	1.09 34j ePg	Pb	Pb	23 13 48.9	-0.6				
MTLO	1.09 34j ePg	Sb	Sb	23 14 05.8	+1.2				
MTLO	1.09 34j ePg	Pb	Pb	23 14 05.8	+1.2				
SFI	1.11 156j eP	Pb	Pb	23 13 48.9	-0.9				
SFI	1.11 156j eP	Pb	Pb	23 13 48.9	-0.9				
SFI	comp=E,8490um,0.8s	AML	AML						
SFI	comp=N,1470um,0.7s	AML	AML						
SFI	comp=E,8805um,0.8s	AML	AML						
SFI	comp=N,1535um,0.7s	AML	AML						
SFI	comp=N,1470um,0.7s	AML	AML						
SFI	comp=N,1535um,0.7s	AML	AML						
SFI	comp=E,8490um,0.8s	AML	AML						
SFI	comp=E,8805um,0.8s	AML	AML						
IESO	1.12 57 ePg	Pb	Pb	23 13 49.4	-0.5				
IESO	1.12 57 ePg	Pb	Pb	23 13 49.4	-0.5				
MAIM	1.13 208j eP	Pb	Pb	23 13 50.0	-0.1				
MAIM	1.13 208j eP	Pb	Pb	23 13 50.0	-0.1				
MAIM	comp=E,5965um,0.5s	AML	AML						
MAIM	comp=N,1305um,0.6s	AML	AML						
MAIM	comp=E,5965um,0.5s	AML	AML						
MAIM	comp=N,1305um,0.6s	AML	AML						
MAIM	comp=N,1305um,0.6s	AML	AML						
MAIM	comp=E,5965um,0.5s	AML	AML						
PANI	1.14 4 ePg	Pb	Pb	23 13 48.6	-1.8				
PANI	1.14 4 ePg	Pb	Pb	23 13 48.6	-1.8				
CRMI	1.14 189 P	Pb	Pb	23 13 49.6	-0.7				
CRMI	1.14 189 P	Pb	Pb	23 13 49.6	-0.7				
CRMI	comp=E,8195um,0.4s	AML	AML						
CRMI	comp=N,5875um,0.6s	AML	AML						
CRMI	comp=N,5875um,0.6s	AML	AML						
CRMI	comp=E,8195um,0.4s	AML	AML						
RNI	1.14 339 ePg	Pb	Pb	23 13 48.7	-1.8				
RNI	1.14 339 ePg	Pb	Pb	23 13 48.7	-1.8				
CTI	1.17 15j eP	Pb	Pb	23 13 49.0	-1.9				
CTI	1.17 15j eP	Pb	Pb	23 13 50.0	-1.0				
BLLA	1.19 130 P	Pn	Pn	23 13 49.9	-1.0				
BLLA	1.19 130 P	Pn	Pn	23 13 49.9	-1.0				
BLLA	comp=E,6375um,1.2s	AML	AML						
BLLA	comp=N,5250um,1.5s	AML	AML						
BLLA	comp=E,6360um,1.2s	AML	AML						
BLLA	comp=N,5286um,1.5s	AML	AML						
BLLA	comp=N,5286um,1.5s	AML	AML						
ASQU	1.19 160 P	Pn	Pn	23 13 50.3	-0.8				
ASQU	1.19 160 P	Pn	Pn	23 13 50.3	-0.8				
ASQU	comp=E,7305um,0.5s	AML	AML						
ASQU	comp=N,9845um,0.9s	AML	AML						
ASQU	comp=N,9845um,0.9s	AML	AML						
ASQU	comp=E,7305um,0.5s	AML	AML						
MABI	1.24 337j eP	Pb	Pb	23 13 51.8	-0.3				
MABI	1.24 337j eP	Pb	Pb	23 13 51.8	-0.3				
MABI	comp=E,3360um,0.3s	AML	AML						
MABI	comp=N,2495um,0.4s	AML	AML						
MABI	comp=E,3360um,0.3s	AML	AML						
MABI	comp=N,2495um,0.4s	AML	AML						
VARN	1.25 30 ePg	Pn	Pn	23 13 50.5	-1.4				
VARN	1.25 30 ePg	Pn	Pn	23 13 50.5	-1.4				
PLMA	1.30 229 P	Pn	Pn	23 13 52.2	-0.4				
PLMA	1.30 229 P	Pn	Pn	23 13 52.2	-0.4				
PLMA	comp=E,5885um,0.6s	AML	AML						
PLMA	comp=N,6810um,0.6s	AML	AML						
PLMA	comp=E,5885um,0.6s	AML	AML						

PLMA	comp=N,6810um,0.6s	AML	AML						
PLMA	comp=N,6810um,0.6s	AML	AML						
MSSA	1.35 244 P	Pb	Pb	23 13 53.8	-0.2				
MSSA	1.35 244 P	Pb	Pb	23 13 53.8	-0.2				
MSSA	comp=E,7015um,0.7s	AML	AML						
MSSA	comp=N,6935um,1.0s	AML	AML						
MSSA	comp=N,6935um,1.0s	AML	AML						
MSSA	comp=E,7015um,0.7s	AML	AML						
CPGN	1.37 144j eP	Pn	Pn	23 13 53.9	+0.3				
CPGN	1.37 144j eP	Pn	Pn	23 13 53.9	+0.3				
CPGN	comp=E,6370um,0.9s	AML	AML						
CPGN	comp=N,4845um,1.0s	AML	AML						
CPGN	comp=N,4845um,1.0s	AML	AML						
CPGN	comp=E,5955um,0.9s	AML	AML						
CPGN	comp=N,5160um,1.1s	AML	AML						
CPGN	comp=E,6370um,0.9s	AML	AML						
CPGN	comp=N,4845um,1.0s	AML	AML						
CPGN	comp=N,4845um,1.0s	AML	AML						
CPGN	comp=E,5945um,0.9s	AML	AML						
CPGN	comp=N,5170um,1.1s	AML	AML						
CPGN	comp=N,4845um,1.0s	AML	AML						
CPGN	comp=N,5170um,1.1s	AML	AML						
CPGN	comp=E,6370um,0.9s	AML	AML						
CAE	1.39 38 ePg	Pn	Pn	23 13 52.9	-0.9				
CAE	1.39 38 ePg	Pn	Pn	23 13 52.9	-0.9				
FAU	1.42 22 ePg	Pn	Pn	23 13 53.8	-0.5				
FAU	1.42 22 ePg	Pn	Pn	23 13 53.8	-0.5				
POLC	1.43 39 ePg	Pn	Pn	23 13 53.8	-0.6				
POLC	1.43 39 ePg	Pn	Pn	23 13 53.8	-0.6				
POLC	1.43 39 P	Pn	Pn	23 13 53.6	-0.7				
POLC	1.43 39 P	Pn	Pn	23 13 53.6	-0.7				
POLC	comp=E,7890um,0.6s	AML	AML						
POLC	comp=N,960um,0.8s	AML	AML						
POLC	comp=E,7890um,0.6s	AML	AML						
POLC	comp=N,960um,0.8s	AML	AML						
POLC	comp=N,960um,0.8s	AML	AML						
POLC	comp=E,7890um,0.6s	AML	AML						
CSNT	1.45 178j iP	Pn	Pn	23 13 53.9	-0.7				
CSNT	1.45 178j iP	Pn	Pn	23 13 53.9	-0.7				
CSNT	comp=E,4305um,1.0s	AML	AML						
CSNT	comp=N,5500um,0.6s	AML	AML						
CSNT	comp=N,5500um,0.6s	AML	AML						
CSNT	comp=E,4305um,1.0s	AML	AML						
PARC	1.47 150j eP	Pn	Pn	23 13 54.7	-0.2				
PARC	1.47 150j eP	Pn	Pn	23 13 54.7	-0.2				
PARC	comp=E,2625um,1.4s	AML	AML						
PARC	comp=N,3955um,0.8s	AML	AML						
PARC	comp=E,2625um,1.4s	AML	AML						
PARC	comp=N,3955um,0.8s	AML	AML						
AGOR	1.49 23 ePg	Pn	Pn	23 13 54.7	-0.4				
AGOR	1.49 23 ePg	Pn	Pn	23 13 54.4	-0.8				
AGOR	comp=E,4150um,0.5s	AML	AML						
AGOR	comp=N,3665um,0.4s	AML	AML						
AGOR	comp=E,4150um,0.5s	AML	AML						
AGOR	comp=N,3665um,0.4s	AML	AML						
OZOL	1.49 356 ePg	Pn	Pn	23 13 54.5	-0.8				
OZOL	1.49 356 ePg	Pn	Pn	23 13 54.5	-0.8				
SSP9	1.50 154j eP	Pn	Pn	23 13 55.1	-0.1				
SSP9	1.50 154j eP	Pn	Pn	23 13 55.1	-0.1				
SSP9	comp=E,5980um,1.4s	AML	AML						
SSP9	comp=N,3630um,1.4s	AML	AML						
SSP9	comp=E,5980um,1.4s	AML	AML						
SSP9	comp=N,3630um,1.4s	AML	AML						
PESA	1.52 129j eP	Pn	Pn	23 13 54.7	-0.8				
PESA	1.52 129j eP	Pn	Pn	23 13 54.7	-0.8				
PESA	comp=E,5485um,1.3s	AML	AML						
PESA	comp=N,4530um,1.1s	AML	AML						
PESA	comp=N,4530um,1.1s	AML	AML						
PESA	comp=E,5485um,1.3s	AML	AML						
ATCA	1.55 150j eP	Pn	Pn	23 13 55.8	-0.2				
ATCA	1.55 150j eP	Pn	Pn	23 13 55.8	-0.2				
ATCA	comp=E,2920um,0.7s	AML	AML	</					







19d 23h

Table with columns for station name, frequency, and other parameters. Includes stations like CAF Calviac, CLL Collin, ULC Ulcinj, PSZ Piszkesteto, HGN Heimgroevne, etc.

2012 MAY

Table with columns for station name, frequency, and other parameters. Includes stations like SGMF Saint Gilles, BUR08 Bucovina Ar. S, KURK Kurchatov, etc.

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Table with columns for station name, frequency, and other parameters. Includes stations like KURK Kurchatov, AAK Ala-Archa, ZALV Zalesovo Beam, etc.

ISCJB 19:23:32:42.5, 0.3, 59:67N, 0:02:24:62E, 0:04, h0km, Error ellipse: s-maj=3.6km s-min=3.0km az=30.3...

Table with columns for Code, Station Name, Frequency, and other parameters. Includes stations like MEF Metsahovi, ARBE Arbavere, etc.

Table with columns: JOF Joensuu, UMAU Umeaa, OUF Merijarvi, OUF Merijarvi, HFS Hagfors, HFS comp=2.0,2nm,0.3s,baz=96,slow=11,SNR=11, HFS comp=2.0,3nm,0.3s,baz=83,slow=28,SNR=6.4, HFS comp=2.0,8nm,0.3s,baz=90,slow=31,SNR=9.9, NOA NORSAR Array B, NOA comp=2.0,2nm,0.3s,baz=96,slow=12,SNR=6.0, NOA comp=2.0,3nm,0.3s,baz=122,slow=15,SNR=3.3, NOA comp=2.0,5nm,0.3s,baz=125,slow=17,SNR=4.3, ARCES ARCES Array B, ARCES comp=2.0,4nm,0.3s,baz=182,slow=12,SNR=19.2, ARCES comp=2.0,2nm,0.3s,baz=172,slow=22,SNR=2.3

ISCJB 19 23:50:49.6,1.4,177.52S;0.7:178.7W;0.4,h550km,mb3.7/8, Error ellipse: s-maj=108.9km s-min=15.8km az=154.2, IDC 19 23:50:54.4,5.4,177.69S;178.62W,h602km,69km,mb3.2/8, s-maj=105.1km s-min=16.0 az=160.0, Error ellipse: s-maj=105.1km s-min=16.0 az=160.0, ISC 19 23:50:50.4,1.5,174.50W;0.7:178.6W;0.4,h550km,n11, <math>\alpha=086^{\circ}10',\text{mb}3.8/8,\text{Fiji Islands region}</math>

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like Charters Tower, Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, NVAR Mina Array Bea, TXAR Lajitas Array, PDAR Piedale Array, BRTR Keskin Array B, MMAI Mount Meron Arr, GERES Geres Array B.

KRSC 19 23:53:02.9,1.4,49.72N;156.78E,h61km,24km,ML3.7, Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like SKR Severo-Kuril's, PAU Pauzhetka, KOTR Khodutka, MIPR Malaya Ipe'ka, ASAK Asacha, MIVR Mutnovka, RUS Russkaya, UGLR Uglovaya, KRER Koryakskii, SDLR Sedlovina, NLC Nalytovo, SPN Mys Shipunski.

UCR 19 23:53:39.7,2.1,11.91N;86.92W,h54km,22km,MD4.0, ML3.0,1C-3D,Near coast of Nicaragua

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like COPN Copaltepe, MOMN Momotombo, CNGN Cerro Negro, TELN Telica, MGAN Managua, ESTN Estel, CONN Concepcion, MATN Matagalpa, CRZI La Cruz, CRN1 Conchagua, LOND La Ca'ada, RCON San Juan de Ri, GPSZ Hotel Rinc'n, VSM San Miguel, LCY Lacayo, MESS Mesas, PACA Pacayal, PACA Pacaya, CUI Cuipilicab, CUI Cuipilicab, TGUH Tegucigalpa, VCR Vista de Mar, TECA Tecapa, CAHU Cacacuatique, JTS JuntasAbangare, LFRS El Faro, LFRS Laderas, BOQS Boqueron, EOCs Cerro Gallo 2, LCR2 La Lucha 2, LCR2 La Lucha 2, URSC Uruca, BUS Buena Vista.

ISCJB 20 00:03:36.8,0.4,7.65S;0.03:127.76E;0.0,h142km, mb3.5/3, Error ellipse: s-maj=5.6km s-min=3.7km az=34.8, DJA 20 00:03:36.9,0.8,8.2S;2.12E, h16km,6km, M4.5/12, mb4.2/7, mB5.6/3, MLV4.5/12, Mw(mB)5.0/3, IDC 20 00:03:37.2,7.8,7.60S;127.96E,h156km,82km,mb3.3/3, s-maj=78.2km s-min=23.5km az=36.0, Error ellipse: s-maj=78.2km s-min=23.5km az=36.0, ISC 20 00:03:36.5,0.7,7.72S;0.04:127.86E;0.06,h142km,n24, <math>\alpha=231^{\circ}36',\text{mb}3.6/3,\text{Banda Sea}</math>

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like SAUI Saumlaki, BNDI Bandanaira, BNDI Bandanaira, AAI Ambon, SOEI Soe, SOEI Soe, MASOI Masohi, NLAJ Namlea, NLAJ Namlea, BATI Baunata, BATI Baunata, BATI Baunata.

Table with columns: BATI Baunata, MMRI Maumere, MMRI Maumere, SANI Sanana, SANI Sanana, EDFI Ende, EDFI Ende, FAKI Fak Fak, BASI Baing, WSI Waingapu, WBSI Waikabubu, RPSI Ransiki, SPLI Sidrap, PLAI Plampang, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, MKAR Makanchi Array, MKAR Makanchi Array, KURBB Kurchatov Arr, KURBB Kurchatov Arr, BVAR Borovoye Array, BVAR Borovoye Array.

MAN 20 00:04:39.9,15.61N;121.23E,h1km,mb4.5,ML3.3,MS3.2, 2D, Luzon

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like PCPH Palayan, PCPH Palayan, BALP Balet, BALP Balet, SCZP Santa Cruz, CAUP Cauayan, CAUP Cauayan, BOLP Bolinao, GQP Golinao, GQP Golinao, ABRA Aburan, CVP Calao Caves, CVP Calao Caves, APYP Conner, APYP Conner.

ISK 20 00:28:01.8,37.88N;30.63E,h10km,ML2.6/8, ISCJB 20 00:28:02.4,0.5,37.88N;0.02:30.62E;0.04,h9km,4km, Error ellipse: s-maj=4.8km s-min=4.1km az=12.9, CSEM 20 00:28:02.4,0.1,37.88N;30.64E,h10km,ML2.6, Error ellipse: s-maj=2.9km s-min=2.6km az=88.0, DDA 20 00:28:02.1,37.90N;30.62E,h15km,ML2.7, ISC 20 00:28:02.4,0.9,37.87N;0.02:30.64E;0.02,h12km,8km, n43, <math>\alpha=052^{\circ}54',\text{Turkey}</math>

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like BAGO Egridir-ISP, BAGO Bucak, BCK Bucak, BRDR BURDUR-Merkez, BRDR BURDUR-Merkez, SUTC Sutluce-Ispart, SUTC Sutluce-Ispart, KZIL AFYON Kiziloren, KZIL AFYON Kiziloren, SHUT Suhut-Afyon, SHUT Suhut-Afyon, DOGA KONYA Dognanhis, DOGA KONYA Dognanhis, BOLV Bolvadin, BOLV Bolvadin, GOLH Golhisar, GOLH Golhisar, KEZP Antalya-Kepez, KEZP Antalya-Kepez, ELL Elmali, ELL Elmali, KDHN Kadinhanli, KDHN Kadinhanli, LADK LADIK-KONYA, LADK LADIK-KONYA, GEDZ Gediz, GEDZ Gediz, GEDZ Gediz, GEDZ Gediz, ESKT Eskisehir, SEYT Eskypehir, KULA Kula-Manisa, KULA Kula-Manisa, FEYF Fethiye, FEYF Fethiye, FEYF Fethiye, FEYF Fethiye, MANT Manisa, MANT Manisa, TVSB Tavsanli, TVSB Tavsanli, AKAS Akas, AKAS Akas, DEMI Demirci, DEMI Demirci.

ISCJB 20 00:41:57.4,1.1,7.17S;0.09:129.75E;0.09,h150km, mb3.5/2, Error ellipse: s-maj=13.8km s-min=11.5km az=41.1, IDC 20 00:41:58.4,8.0,7.09S;129.66E,h140km,83km,mb3.4/2, mb1.3/4,6, mb1mx3.1/5, mbmtb3.6/6, Error ellipse: s-maj=70.6km s-min=26.4km az=37.0, ISC 20 00:41:59.1,1.5,7.33S;0.10:129.8E;0.1,h1150km,n6, <math>\alpha=284^{\circ}10',\text{Banda Sea}</math>

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like BATI Baunata, BATI Baunata, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, MKAR Makanchi Array, MKAR Makanchi Array, KURBB Kurchatov Arr, KURBB Kurchatov Arr, ISCJB 20 00:57:24.9,0.3,34.87N;0.02:33.30E;0.03,h57km,4km, Error ellipse: s-maj=5.2km s-min=2.6km az=148.1, CSEM 20 00:57:26.3,0.1,34.90N;33.31E,h43km,3km,ML3.3, Error ellipse: s-maj=5.0km s-min=2.7km az=62.0, NIC 20 00:57:26.0,0.2,34.96N;33.29E,h49km,ML3.3

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like ISSK 20 00:57:27.9,35.25N;33.27E,h12km,ML2.7/6, DDA 20 00:57:27.9,35.22N;33.30E,h31km,ML3.2, GII 20 00:57:27.3,0.2,34.75N;33.57E,h10km,MD2.3/8, ISC 20 00:57:26.2,1.1,34.88N;0.02:33.32E;0.03,h48km,5km, n102, <math>\alpha=09^{\circ}14',\text{Cyprus region}</math>

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like CSS Mathiatis, CSS Mathiatis, CSS Mathiatis, CSS Mathiatis, AKIN Ak'nc-lar-K, AKIN Ak'nc-lar-K, MAMC Mammari, MAMC Mammari, SZAC Soumi, SZAC Soumi, SZAC Souni, SZAC Souni, LEF Lefka, LEF Lefka, PHNC Paralimni, PHNC Paralimni, PHNC Paralimni, ALFC Alefka, ALFC Alefka, PPCY Paphos, PPCY Paphos, PPHY Paphos, PPHY Paphos, AKMC Akamas, AKMC Akamas, BOZY Bozayi-Mersin, BOZY Bozayi-Mersin, TEKE Tekeli-Mersin, TEKE Tekeli-Mersin, AKKU Akkuyu-Mersin, AKKU Akkuyu-Mersin, GULN MERSIN Gulnar, GULN MERSIN Gulnar, TEVE Tevekalti-Mers, TEVE Tevekalti-Mers, SILI Silifke-Mersin, SILI Silifke-Mersin, GAZI Gazipasa, GAZI Gazipasa, KIZK Mersin, KIZK Mersin, KIZK Mersin, ERMK Ermenek, ERMK Ermenek, BHL Bhannes, BHL Bhannes, DQRL Deir Omar, DQRL Deir Omar, HWQ Hawqa, HWQ Hawqa, HNTI Hanita, HNTI Hanita, GRWL Qaraoun, GRWL Qaraoun, KEZP Antalya-Kepez, KEZP Antalya-Kepez, RCY Rachaya, RCY Rachaya, SHBL Chebaa, SHBL Chebaa, MMAOB Mount Meron ar, MMAOB Mount Meron ar, KSDI Kefar Szold, KSDI Kefar Szold, KERG Konya-Eregli, KERG Konya-Eregli, OFRI 'Ofir, OFRI 'Ofir, BLGI Bet Lehem HaGe, BLGI Bet Lehem HaGe, GULE Gulek, GULE Gulek, KSHI Keshet, KSHI Keshet, MMLT Mount Malkishu, MMLT Mount Malkishu, HMDT Nahal Hemdat, HMDT Nahal Hemdat, SUTC Sutluce-Ispart, SUTC Sutluce-Ispart, ELL Elmali, ELL Elmali, AMAZ Amatzia, AMAZ Amatzia, DSI Dead Sea, DSI Dead Sea, YTR Yattir, YTR Yattir, GOLH Golhisar, GOLH Golhisar, BRDR BURDUR-Merkez, BRDR BURDUR-Merkez, FEYF Fethiye, FEYF Fethiye, MZDA Masada, MZDA Masada, KZIT Kziot, KZIT Kziot, TURN Turunc, TURN Turunc, TURN Turunc, PRNI Paran, PRNI Paran, HRFI Mount Harif, HRFI Mount Harif, KULA Kula-Manisa, KULA Kula-Manisa, MBRI Mt Berach, MBRI Mt Berach, AYDB Zeytinokoy-Aydi, AYDB Zeytinokoy-Aydi, EIL Elat, EIL Elat, GCAM G'zelcam? GCAM G'zelcam?, GCAM G'zelcam?





20d 2h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like E03A Lebam, KE8M Edson Butte, LLLB Lillooet, etc.

2012 MAY

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like HZLD Hailey, HAZ Hailey, NLZ Nazwa, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like LAO LASA Array, NEY Neytrino, WUAZ Wupatki, etc.

ISK 20 02:03:10.9, 38°39'N-28°01'E, h6km, ML2.8/29
ISCJB 20 02:03:11.2, 20.4, 38°32'N, 02:28:02E, h6km, 3km,
Error ellipse: s-major=3.4km s-minor=3.0km az=160.7
CSEM 20 02:03:11.4-0.1, 38°32'N-28°02'E, h5km, ML2.8, Error
ellipse: s-major=1.8km s-minor=1.6km az=157.0
DDA 20 02:03:11.0, 38°39'N-27°03'E, h20km, 2km, ML2.4/4, Error
ellipse: s-major=3.4km s-minor=1.6km az=306.0
ISC 20 02:03:11.4-0.9, 38°39'N-02°28'01E, 0.02, h9km, 6km,
n128, 0866/149, 1C-1D, Turkey

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

BLCS	Balcova	0.93 235	ePg	Pb	02 03 29.5	-0.2
SHAP	Saphane-Kutahy	0.95 84	PG	Pg	02 03 29.5	-0.3
SHAP	Saphane-Kutahy	0.95 84	ePg	Pg	02 03 29.5	-0.3
AYDB	Zeytinokuy-Aydi	0.98 185	PG	Pg	02 03 30.0	0.0
AYDB	Zeytinokuy-Aydi	0.98 185	ePg	Pg	02 03 30.0	0.0
AYVA	Ayvatic	1.09 291	P	Pn	02 03 32.3	+0.3
AYVA	Ayvatic	1.09 291	P	Pn	02 03 32.3	+0.3
GEDZ	Geziz	1.10 83	PN	Pg	02 03 32.4	-0.2
GEDZ	Geziz	1.10 83	ePN	Pg	02 03 32.4	-0.2
GDZ	Geziz	1.16 81	P	Pb	02 03 32.3	-1.4
GDZ	Geziz	1.16 81	P	Pb	02 03 32.3	-1.4
DGB	Zmir	1.24 226	P	Pn	02 03 32.3	-1.4
URLA	Izmir	1.24 243	PN	Pg	02 03 35.3	0.0
URLA	Izmir	1.24 243	P	Pn	02 03 34.3	-0.7
URLA	Izmir	1.24 243	P	Pn	02 03 34.3	-0.7
URLA	Izmir	1.24 243	ePN	Pg	02 03 35.3	0.0
TVSB	Tavsanli	1.25 65	PN	Pb	02 03 34.5	-0.5
TVSB	Tavsanli	1.25 65	ePN	Pg	02 03 34.5	-0.5
AYDN	Tasuluk	1.27 185	P	Pg	02 03 35.6	-0.2
AYDN	Tasuluk	1.27 185	P	Pg	02 03 35.6	-0.2
ORLT	Orhanelli	1.31 31	PN	Pb	02 03 36.4	+0.1
ORLT	Orhanelli	1.31 31	ePN	Pg	02 03 36.4	+0.1
KYCT	Karacabey (Bur	1.36 11	PN	Pg	02 03 37.4	-0.2
KYCT	Karacabey (Bur	1.36 11	ePN	Pg	02 03 37.4	-0.2
ZEY	Zmir	1.36 240	P	Pn	02 03 36.0	-0.6
GCAM	G?zelcaml?	1.37 207	PN	Pb	02 03 36.9	-0.2
GCAM	G?zelcaml?	1.37 207	ePN	Pg	02 03 36.9	-0.2
PRK	Paraskevi	1.39 284	P	Sg	02 03 37.0	+0.0
PRK	Paraskevi	1.39 284	S	Sg	02 03 37.0	+0.0
PRK	comp=E,371um,0.5s		AML	AML	02 03 59.3	
PRK	comp=N,233um,0.5s		AML	AML	02 04 06.1	
PRK	Paraskevi	1.39 284	P	Sg	02 03 37.3	-0.3
PRK	Paraskevi	1.39 284	S	Sg	02 03 55.8	-0.3
PRK	comp=E,371um,0.5s		AML	AML	02 03 59.3	
PRK	comp=N,255um,0.6s		AML	AML	02 03 59.6	
PRK	Paraskevi	1.39 284	P	Pb	02 03 37.2	-0.3
PRK	Paraskevi	1.39 284	S	Sg	02 03 55.8	-0.3
KNL	Baf-kesir	1.39 345	P	Pb	02 03 37.5	-0.1
BAYO	CANAKKALE Bay	1.40 306	P	Pn	02 03 37.0	-0.1
BAYO	CANAKKALE Bay	1.40 306	P	Pn	02 03 37.0	-0.1
EDC	Edincik	1.42 356	ePN	Pg	02 03 36.9	-0.6
EDC	Edincik	1.42 356	ePN	Pg	02 03 36.9	-0.6
SMG	Samos	1.52 217	P	Pn	02 03 39.0	+0.1
SMG	Samos	1.52 217	S	Sg	02 04 01.9	+1.5
SMG	comp=E,186um,0.6s		AML	AML	02 04 03.9	
SMG	comp=N,195um,0.4s		AML	AML	02 04 04.7	
SMG	Samos	1.52 217	P	Pb	02 03 39.4	-0.4
SMG	Samos	1.52 217	S	Sg	02 03 58.9	+0.1
SMG	comp=E,186um,0.6s		AML	AML	02 04 04.7	
SMG	comp=N,195um,0.4s		AML	AML	02 04 04.7	
SMG	Samos	1.52 217	P	Sb	02 03 39.2	+0.3
SMG	Samos	1.52 217	S	Sb	02 03 59.0	-0.3
KRBB	Karabiga-Canak	1.56 340	PN	Pn	02 03 39.5	+0.1
KRBB	Karabiga-Canak	1.56 340	ePN	Pg	02 03 39.5	+0.1
EZN	Ezine	1.58 305	PN	Pb	02 03 40.4	-0.4
EZN	Ezine	1.58 305	ePN	Pg	02 03 40.4	-0.4
MDNY	Mudanya-Bursa	1.59 25	PN	Pn	02 03 40.1	+0.3
MDNY	Mudanya-Bursa	1.59 25	ePN	Pg	02 03 40.1	+0.3
CHOS	Chios island	1.62 251	PN	Pn	02 03 40.8	+0.6
CHOS	Chios island	1.62 251	P	Pn	02 03 40.0	-0.2
CHOS	Chios island	1.62 251	S	Sg	02 04 05.0	+1.4
CHOS	Chios island	1.62 251	AML	AML	02 04 06.6	
CHOS	comp=N,219um,0.7s		AML	AML	02 04 07.3	
CHOS	comp=E,237um,0.5s		AML	AML	02 04 06.6	
CHOS	Chios island	1.62 251	P	Sb	02 03 40.6	+0.3
CHOS	Chios island	1.62 251	S	Sb	02 04 02.0	0.0
CHOS	comp=N,219um,0.7s		AML	AML	02 04 06.6	
CHOS	comp=N,219um,0.7s		AML	AML	02 04 09.1	
CHOS	Chios island	1.62 251	P	Pn	02 03 40.5	+0.3
CHOS	Chios island	1.62 251	ePN	Pg	02 03 40.8	+0.6
CHOS	Chios island	1.62 251	S	Sb	02 04 01.8	-0.3
SIGR	SIGRI	1.70 280	PN	Pb	02 03 42.0	-0.8
SIGR	SIGRI	1.70 280	P	Pn	02 03 41.9	+0.6
SIGR	comp=N,108um,0.4s		AML	AML	02 04 10.1	
SIGR	comp=E,130um,0.4s		AML	AML	02 04 11.2	
SIGR	SIGRI	1.70 280	P	Sb	02 03 41.9	-0.8
SIGR	SIGRI	1.70 280	S	Sb	02 04 03.1	0.0
SIGR	comp=E,130um,0.4s		AML	AML	02 04 11.2	
SIGR	comp=N,104um,0.5s		AML	AML	02 04 12.6	
SIGR	SIGRI	1.70 280	ePN	Pg	02 03 42.0	-0.8
SIGR	Lapseki	1.74 327	PN	Sn	02 04 03.3	+0.2
LPK	Lapseki	1.74 327	ePN	Pg	02 03 41.7	0.0
ARMT	Armutlu	1.77 22	PN	Pn	02 03 42.0	-0.7
ARMT	Armutlu	1.77 22	ePN	Pg	02 03 41.7	0.0
YER	Yerkesik	1.80 173	PN	Pn	02 03 43.3	+0.6
YER	Yerkesik	1.80 173	ePN	Pg	02 03 43.3	+0.6
SBTS	Esenkoy-Cinarc	1.83 21	PN	Pn	02 03 43.7	+0.7
SBTS	Esenkoy-Cinarc	1.83 21	ePN	Pg	02 03 43.7	+0.7
AUBOZ	BOZUYUK	1.85 57	PN	Pn	02 03 44.0	+0.6
AUBOZ	BOZUYUK	1.85 57	ePN	Pg	02 03 44.0	+0.6
RKY	Sarkoy-Tekirda	1.87 340	PN	Pn	02 03 44.6	+0.9
RKY	Sarkoy-Tekirda	1.87 340	ePN	Pg	02 03 44.6	+0.9
GELI	Tayfur-Gelibol	1.89 322	ePN	Pg	02 03 44.8	+1.0
GELI	Tayfur-Gelibol	1.89 322	P	Pn	02 03 44.8	+1.0
BODT	Bodrum	1.94 197	PN	Pn	02 03 45.0	+0.7
BODT	Bodrum	1.94 197	ePN	Pg	02 03 45.3	+0.7
YLV	Yalova	1.95 32	PN	Pn	02 03 45.3	+0.6
YLV	Yalova	1.95 32	ePN	Pg	02 03 45.3	+0.6
ADVT	Abdulvahap	2.01 41	PN	Pn	02 03 46.5	+1.0
ADVT	Abdulvahap	2.01 41	ePN	Pg	02 03 46.5	+1.0
SHUT	Suhut-Afyon	2.02 100	PN	Pn	02 03 46.9	+1.1
SHUT	Suhut-Afyon	2.02 100	ePN	Pg	02 03 46.9	+1.1
GADA	Gvkgeada	2.06 308	PN	Pn	02 03 47.3	+1.1
GADA	Gvkgeada	2.06 308	ePN	Pg	02 03 47.3	+1.1
ERIK	Erikli-Kesan	2.09 327	PN	Pn	02 03 47.5	+0.9
ERIK	Erikli-Kesan	2.09 327	ePN	Pg	02 03 47.5	+0.9
TURN	Turunc	2.10 167	PN	Pn	02 03 48.6	-1.1
TURN	Turunc	2.10 167	ePN	Pg	02 03 48.6	-1.1
BORA	Eskisehir	2.12 63	PN	Pb	02 03 48.2	+1.1
BORA	Eskisehir	2.12 63	iP	Pb	02 03 48.2	+1.1
BORA	Eskisehir	2.12 63	ePN	Pg	02 03 48.2	+1.1
BORA	Eskisehir	2.12 63	P	Pb	02 03 50.6	+1.1
ENEZ	Enez	2.30 322	PN	Pn	02 03 50.6	+1.1
ENEZ	Enez	2.30 322	ePN	Pg	02 03 50.6	+1.1
CTKS	Kestanelik-??a	2.34 9	PN	Pn	02 03 50.8	+0.8
CTKS	Kestanelik-??a	2.34 9	ePN	Pg	02 03 50.8	+0.8
LIA	Limnos Island	2.39 295	P	Pn	02 03 51.8	+1.1
LIA	Limnos Island	2.39 295	P	Pn	02 03 51.8	+1.1
LIA	Limnos Island	2.39 295	PN	Pn	02 03 51.8	+1.1
FETY	Fethiye	2.44 159	PN	Pn	02 03 51.7	+0.2
FETY	Fethiye	2.44 159	ePN	Pg	02 03 51.7	+0.2
GULT	Gulveren	2.45 51	PN	Pn	02 03 52.6	+0.9
GULT	Gulveren	2.45 51	ePN	Pg	02 03 52.6	+0.9
ALN	Alexandroupoli	2.48 323	PN	Pn	02 03 53.1	+1.1
ALN	Alexandroupoli	2.48 323	P	Pn	02 03 53.0	+1.1
ALN	Alexandroupoli	2.48 323	P	Pn	02 03 53.9	-1.1
APPE	Apeiranthos	2.69 227	P	Pn	02 03 54.7	-0.3
APPE	Apeiranthos	2.69 227	P	Pn	02 03 54.7	-0.3
MATE	Matera	8.46 285	iP	Pn	02 05 38.5	-1.4

Azm191.00000°;  
 BUJ 02 02:03:50.6, 44°48'N, 11°12'E, h8km, mb5.5/75, mb6.0/73, Ms6.2/63, Ms7 6.0/79

ISCJB 20 02:03:50.3, 0.2, 44°48'N, 11°12'E, h8km, mb5.5/75, mb6.0/73, h7km, 1km, mb5.6/548, MS6.0/217, Error ellipse: s-maj=1.1km s-min=-0.9km az=12.8

PRU 20 02:03:50.6, 44°47'N, 11°39'E, h0km, M5.8, ZUR 20 02:03:51.1, 44°48'N, 11°20'E, h8km, 1km, ML5.9/27

BEO 20 02:03:51.2, 0.7, 44°47'N, 11°39'E, h13km, 7km

GCMT 20 02:03:51.8, 0.1, 44°48'N, 11°44'E, h12km, MW6.1/151, Moment Tensor Solution. s141.6319, s151.0, c556, Duration: 287. Moment tensor: Scale 10^18Nm; Mr=1.47; 0.1; Mw=1.39; 0.1; Ms=0.07; 0.1; M0=0.53; 0.2; Mw=0.37; 0.1; Mw=0.77; 0.2; Best double couple: M0:1.74200x10^18 NP1:0.304.00000°, 861.00000°, 1.09.00000°. NP2:0.88.00000°, 835.00000°, 1.60.00000°. Principal axes: T 1.8250, Plg68.0000°, Azm252.0000°; N -0.1610, Plg17.0000°, Azm114.0000°; P -1.6600, Plg14.0000°, Azm20.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.

PDG 20 02:03:52.0, 1.3, 44°49'N, 11°28'E, h17km, 1km, MD6.1/12, ML6.0/11, Error ellipse: s-maj=0.7km s-min=-1.1km az=0.0

CSEM 20 02:03:52.7, 0.2, 44°49'N, 11°25'E, h10km, mb5.9/28, ML6.0/38, MW6.0, Error ellipse: s-maj=1.2km s-min=-1.0km az=27.0

VIE 20 02:03:52.8, 0.3, 44°49'N, 11°20'E, h10km, mb5.2/19, ms7.7/20, ms6.7/1, Error ellipse: s-maj=4.2km s-min=-3.1km az=71.0 50 km NNW of Bologna

NEIC 20 02:03:52.0, 0.2, 44°48'N, 11°23'E, h6km, mb5.8/297, ME5.9, MS6.0/129, MW6.0, MW6.1, MW6.1, MW6.0, ML5.9(ZUR), ML5.9(ROM), ML6.1(LDG), MW6.1(ROM), Moment Tensor Solution. s36 Moment tensor: Scale 10^18Nm; Mr=1.60; Mw=1.42; Mw=0.09; Mw=0.37; Mw=0.38; Best double couple: M0:1.60000x10^18 NP1:0.274.00000°, 843.00000°, 1.74.00000°. NP2:0.16.00000°, 850.00000°, 1.05.00000°. Principal axes: T 1.6800, Plg78.0000°, Azm88.0000°; N -0.1400, Plg11.0000°, Azm287.0000°; P -1.5300, Plg4.0000°, Azm196.0000°; Moment Tensor Solution. s83 Moment tensor: Scale 10^18 Nm; Mr=1.44; Mw=1.53; Mw=0.09; Mw=1.03; Mw=0.09; Mw=1.10; Best double couple: M0:2.10000x10^18 NP1:0.73.00000°, 830.00000°, 1.47.00000°. NP2:0.300.00000°, 868.00000°, 1.12.00000°. Principal axes: T 2.2600, Plg61.0000°, Azm242.0000°; N -0.3100, Plg20.0000°, Azm112.0000°; P -1.9500, Plg20.0000°, Azm14.0000°. Broadband fault plane solution: P 1.640000°, NP1:0.98.00000°, 822.00000°, 1.64.00000°. NP2:0.305.00000°, 870.00000°, 1.00.00000°. Principal axes: T Plg64.0000°, Azm231.0000°; N Plg0.0000°, Azm0.0000°; P Plg24.0000°, Azm27.0000°; Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. After ROM.

NEIC At least 7 people killed, 50 injured, about 11,000 displaced and many buildings damaged [VII] in the Mirandola-Sant'Agostino area. Liquefaction observed at San Carlo. Felt [VI] in the Bologna-Mantova-Rovigo area. Felt throughout northern Italy, in much of central Italy and as far as Foggia and Naples. Also felt in Monaco and in parts of Austria, Croatia, Slovenia, southeastern France, southern Germany and Switzerland.

LDG 20 02:03:52.1, 0.1, 44°47'N, 11°38'E, h10km, MD5.74, M6.1/46, ms5.7/3, Error ellipse: s-maj=2.5km s-min=-1.8km az=44.0

IDC 20 02:03:52.8, 1.5, 44°47'N, 11°15'E, h12km, 9km, mb5.3/60, mb1 5.4/68, mb1mx5.3/77, mbtmp5.4/68, ML4.8/8, MS5.9/66, Ms1 5.9/66, ms1mx5.9/71, Error ellipse: s-maj=6.9km s-min=-6.7km az=131.0

PDA 20 02:03:53.0, 44°49'N, 11°24'E, h10km, MW6.1

NEIC 20 02:03:53.0, 0.0, 44°49'N, 11°35'E, h11km, Moment Tensor Solution. s41 Moment tensor: Scale 10^18Nm; Mr=1.19; Mw=1.08; Mw=0.10; Mw=0.01; Mw=0.24; Mw=0.02; Best double couple: M0:2.00000x10^18 NP1:0.284.00000°, 845.00000°, 1.91.00000°. NP2:0.102.00000°, 845.00000°, 1.89.00000°. Principal axes: T 1.1900, Plg89.0000°, Azm259.0000°; N -0.0500, Plg0.0000°, Azm103.0000°; P -1.1400, Plg0.0000°, Azm13.0000°.

SFS 20 02:03:53.0, 44°49'N, 11°24'E, h10km, ML6.1

GEN 20 02:03:53.0, 44°49'N, 11°25'E, h6km, ML6.0

CRAAG 20 02:03:53.0, 44°49'N, 11°24'E, MW6.1

STR 20 02:03:54.6, 0.5, 45°12'N, 11°15'E, h5km, M6.0/24, mb6.0/8, mb5.8/8, ML6.6/24, MW(m)5.6/8, MW6.0/6, Mwp6.0/6

BNS 20 02:03:54.0, 44°47'N, 11°17'E, h10km, ML5.5

BGR 20 02:03:55.2, 0.5, 45°01'N, 11°24'E, h10km, ML6.0/12, Error ellipse: s-maj=12.2km s-min=-10.0km az=38.0

NEIC 20 02:04:07.0, 0.0, 45°00'N, 11°65'E, h12km, Moment Tensor Solution. s23 Moment tensor: Scale 10^18Nm; Mr=1.49; Mw=1.17; Mw=0.32; Mw=0.23; Mw=0.26; Mw=0.46; Best double couple: M0:1.40000x10^18 NP1:0.270.00000°, 849.00000°, 1.70.00000°. NP2:0.119.00000°, 845.00000°, 1.12.00000°. Principal axes: T 1.6400, Plg75.0000°, Azm113.0000°; N -0.3900, Plg15.0000°, Azm284.0000°; P -1.2500, Plg2.0000°, Azm14.0000°.

ISC 20 02:03:54.0, 44°47'N, 11°15'E, h18km, 2km, n1355, s1855/3527, mb5.7/550, MS6.0/128, 166C-142D, Northern Italy

TEOL	Teolo	0.58 33	ePg	Pg	02 04 03.8	-1.8
TEOL	Teolo	0.58 33	eP	Pg	02 04 04.0	-1.6
TEOL			AML	AML		
TEOL			AML	AML		



20d 2h

2012 MAY

1070

FIR	Firenze	1.10 179	P	Pg	02 04 15.2 -0.1	STAL	Stal	AML	AML	AML	WTTA	32um,0.9s		Sg	Sg	02 05 09.0 -2.5	
FIR	Firenze		AML	AML		STAL	Stal	AML	AML	AML	WTTA	Wattenberg	2.41	7	Pn	Pn	02 04 32.9 +0.2
FIR	Firenze		AML	AML		STAL	Stal	AML	AML	AML	WTTA	WTTA			Sg	Sg	02 05 09.0 -2.5
CTL8	Castelleone	1.11 292	AML	AML		TRIF	Trifonti	1.77 188	P	Pn	CEY	32um,0.9s			Sg	Sg	02 04 32.6 -0.1
CTL8	Castelleone		AML	AML		TRIF	Trifonti	1.77 188	P	Pn	CEY	Cerknica	2.42	68	ePn	Sb	02 05 05.6 -1.0
CTL8	Castelleone		AML	AML		AFL	Alpe Falaria	1.79 22	ePn	Pn	CEY	Cerknica	2.42	68	iPn	Pn	02 04 31.6 -1.1
CTL8	Castelleone		AML	AML		MOSI	Grossmontoni	1.81 345j	eP	Pn	CEY	Cerknica	2.42	68	ePn	Pn	02 04 32.6 -0.1
MTLO	Montello	1.12 33f	ePg	Pn	02 04 13.7 -1.3	MOSI	Grossmontoni	1.81 345j	eP	Pn	GORS	Gorjuse	2.42	52	ePn	Pn	02 05 00.0 -1.9
MTLO	Montello	1.12 33	eSg	Sg	02 04 31.8 +1.3	MOSI	Grossmontoni	1.81 345	eP	Pn	GORS	Gorjuse	2.42	52	ePn	Pn	02 04 31.8 -1.0
MTLO	Montello	1.12 33	eSg	Sg	02 04 31.8 +1.3	MOSI	Grossmontoni	1.81 345	eP	Pn	RITOM	Lago Ritom (SB)	2.44	314j	eP	Pn	02 04 32.2 -0.9
IESO	Jesolo	1.14 55	ePg	Pn	02 04 14.3 -0.8	SSFR	Montelago di S	1.82 141f	eP	Pn	RITOM	Lago Ritom (SB)	2.44	314j	eP	Pn	02 04 32.3 -0.9
IESO	Jesolo	1.14 55	eSg	Sg	02 04 32.7 +1.7	SSFR	Montelago di S	1.82 141	eP	Pn	MYKA	Terra Mystica	2.44	43	ePn	Pn	02 04 32.4 -0.6
IESO	Jesolo	1.14 55	ePg	Pn	02 04 14.3 -0.8	MPFR	Monte Prat	1.85 42	ePn	Pn	MYKA	673nm,0.5s,SNR=719			Sg	Sg	02 05 11.9 -0.6
ASQU	Asqua	1.15 159	P	Pg	02 04 15.7 -0.6	ARVD	Arcevia	1.85 137	eP	Pn	MYKA	8um,0.4s			Pn	Pn	02 04 32.4 -0.6
ASQU	Asqua	1.15 159	P	Pg	02 04 15.7 -0.6	ABSI	Aberstueckl	1.86 21j	P	Pn	MYKA	Terra Mystica	2.44	43	Pn	Pn	02 05 11.9 -0.6
ASQU	Asqua		AML	AML		ABSI	Aberstueckl	1.86 21j	P	Pn	MYKA	8um,0.4s			Sg	Sg	02 05 11.9 -0.6
ASQU	Asqua		AML	AML		ABSI	Aberstueckl	1.86 21j	P	Pn	MYKA	8um,0.4s			Sg	Sg	02 05 11.9 -0.6
ASQU	Asqua		AML	AML		ABSI	Aberstueckl	1.86 21j	P	Pn	MYKA	8um,0.4s			Sg	Sg	02 05 11.9 -0.6
PANI	Panarotta	1.18 4f	ePg	Pn	02 04 13.2 -2.7	MUGIO	Muggio	1.86 305f	eP	Pn	CRNS	Crni Vrhh	2.46	59	iPn	Pn	02 04 32.2 -1.0
PANI	Panarotta	1.18 4	eSg	Sb	02 04 29.9 -1.1	MUGIO	Muggio	1.86 305f	eP	Pn	CRNS	Crni Vrhh	2.46	59	iPn	Pn	02 04 32.2 -1.0
PANI	Panarotta	1.18 4	ePg	Pn	02 04 13.2 -2.7	MUGIO	Muggio	1.86 305	eP	Pn	MOTA	Moosalm	2.47	358	Pn	Pn	02 04 34.3 +0.7
PANI	Panarotta	1.18 4	eSg	Sb	02 04 29.9 -1.1	MURB	Monte Urbino	1.86 148	ePn	Pn	MOTA	Moosalm	2.47	358	Pn	Pn	02 04 34.3 +0.7
RN1	Roncone	1.19 339j	ePg	Pn	02 04 13.7 -2.2	MURB	Monte Urbino	1.86 148	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
RN1	Roncone	1.19 339j	eSg	Sb	02 04 31.2 0.0	FUORN	Ofenpass-Fuorn	1.87 339j	eP	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
RN1	Roncone	1.19 339j	ePg	Pn	02 04 13.7 -2.2	FUORN	Ofenpass-Fuorn	1.87 339	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
RN1	Roncone	1.19 339j	eSg	Sb	02 04 31.2 0.0	FUORN	Ofenpass-Fuorn	1.87 339	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
RN1	Roncone	1.19 339j	ePn	Pn	02 04 13.7 -2.2	FUORN	Ofenpass-Fuorn	1.87 339	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CAPR	Capriolo	1.19 310f	eP	Pn	02 04 15.2 -0.5	FUORN	Ofenpass-Fuorn	1.87 339	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CAPR	Capriolo	1.19 310	eP	Pn	02 04 15.2 -0.5	FUORN	Ofenpass-Fuorn	1.87 339	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CAPR	Capriolo		AML	AML		BUA	Buia	1.90 44	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CAPR	Capriolo		AML	AML		CSMI	Casera Minoias	1.92 31	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CAPR	Capriolo		AML	AML		PCP	Plancastagn	1.94 281	P	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CAPR	Capriolo		AML	AML		PCP	Plancastagn	1.94 281	P	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	WATA	Walderalm	2.48	6	ePn	Pn	02 04 33.8 +0.2
CTI	Castel Tesino	1.21 14	P	Pn	02 04 14.5 -1.7	BOO	Bordano	1.96 42	ePn	Pn	W						

Table with multiple columns: Station Name, Frequency, Power, Mode, and various numerical values. Includes stations like MRGE Morge, WLS Welschbruch, and CONA Conrad Observa.



CRVS	Corvenica-Dubn	8.09 56	eSG	Sb	02 07 56.0	+6.6	MDB	Medias	9.33 78	l/P	Pn	02 06 08.9	+1.4	ROSF	Rostreren	10.56 294	eP	Pn	02 05 21.6	-2.7
KRUF	Krusevo	8.13 112	ePn	Pn	02 05 50.5	-0.7	WDD	Wied Dalam	9.37 163	ePn	Pn	02 06 05.7	-2.4	ROSF			e		02 08 15.0	
MFF	Saint Martin d	8.14 286	ePn	Pn	02 05 50.1	-1.1	ARCR	ARCALIA	9.41 72	l/P	Pn	02 06 09.2	+0.6	DSF	Desfina	10.64 123	P	Pn	02 06 24.1	-1.4
MFF			eS	Sn	02 07 19.9	-2.8	BEL	Belsk	9.43 39	eP	Pn	02 06 11.6	+2.7	DSF	Desfina	10.64 123	P	Pn	02 06 24.1	-1.4
MFF	comp=Z,2um,0.8s						BEL	Belsk	9.43 39	eP	Pn	02 09 15.7	+2.7	DSF	Desfina	10.64 123	P	Pn	02 06 24.1	-1.4
MFF	Saint Martin d	8.14 286	eS	Sn	02 07 19.9	-2.8	HMXN	Herstmonceux	9.45 313	eP	Pn	02 06 10.2	+1.0	DSF	Desfina	10.64 123	P	Pn	02 06 24.1	-1.4
MFF	Saint Martin d	8.14 286	ePn	Pn	02 05 50.1	-1.1	HMXN	Herstmonceux	9.45 313	eP	Pn	02 06 10.2	+1.0	DSF	Desfina	10.64 123	P	Pn	02 06 24.1	-1.4
MFF	Saint Martin d	8.14 286	eP	Pn	02 05 50.1	-1.1	ARR	Arges	9.50 82	l/P	Pn	02 06 11.7	+1.8	DSF	Desfina	10.64 123	P	Pn	02 06 24.1	-1.4
MFF			e	Sn	02 07 19.9	-2.8	LIT	Litokhoron	9.59 116	ePn	Pn	02 06 09.5	-1.7	EMHD	Djebel Mahouad	10.70 219	eP	Pn	02 06 28.5	+2.0
KEK	Kerkira	8.18 126	P	Pn	02 05 49.9	-1.9	LIT	Litokhoron	9.59 116	ePn	Pn	02 06 08.9	-2.2	EMHD	Djebel Mahouad	10.70 219	eP	Pn	02 06 28.5	+2.0
KEK	Kerkira	8.18 126	P	Pn	02 05 49.9	-1.9	LIT	Litokhoron	9.59 116	ePn	Pn	02 06 11.2	+1.8	EMHD	Djebel Mahouad	10.70 219	eP	Pn	02 06 28.5	+2.0
KEK	Kerkira	8.18 126	P	Pn	02 05 49.9	-1.9	LIT	Litokhoron	9.59 116	ePn	Pn	02 06 09.5	-1.7	EMHD	Djebel Mahouad	10.70 219	eP	Pn	02 06 28.5	+2.0
LRVF	ch'eteau la Ri	8.19 275	Pn	Pn	02 05 51.8	0.0	THL	Klokotos Trika	9.60 120	P	Pn	02 06 09.5	-1.7	EMHD	Djebel Mahouad	10.70 219	eP	Pn	02 06 28.5	+2.0
LRVF	ch'eteau la Ri	8.19 275	Pn	Pn	02 05 51.8	0.0	THL	Thessaloniki	9.62 112	P	Pn	02 06 09.5	-1.9	SMIA	Simia	10.75 120	P	Pn	02 06 24.6	-2.5
SRN	Sarande	8.19 124	P	Pn	02 05 50.3	-1.6	THE	Thessaloniki	9.62 112	P	Pn	02 06 09.6	-1.9	LKR	Lokris	10.77 121	P	Pn	02 06 24.7	-2.5
SRN	Sarande	8.19 124	P	Pn	02 05 50.3	-1.6	THE	Thessaloniki	9.62 112	P	Pn	02 06 09.6	-1.9	LKR	Lokris	10.77 121	P	Pn	02 06 24.7	-2.5
SRN	Sarande	8.19 124	P	Pn	02 05 50.3	-1.6	THE	Thessaloniki	9.62 112	P	Pn	02 06 09.6	-1.9	LKR	Lokris	10.77 121	P	Pn	02 06 24.7	-2.5
STHS	Stebnicka Huta	8.20 53	eP	Pn	02 05 52.5	+0.4	VLS	Valsamata	9.70 130	P	Pn	02 06 10.3	-2.3	GUR	Goura	10.85 126	P	Pn	02 06 26.5	-1.9
STHS	Stebnicka Huta	8.20 53	ePn	Pn	02 05 52.5	+0.4	VLS	Valsamata	9.70 130	P	Pn	02 06 10.3	-2.3	GUR	Goura	10.85 126	P	Pn	02 06 26.5	-1.9
KBN	Korea	8.22 118	P	Pn	02 05 51.3	-1.1	VLS	Valsamata	9.70 130	P	Pn	02 06 10.3	-2.3	COP	Copenhagen	10.85 4	P	Pn	02 06 30.9	+2.6
KBN	Korea	8.22 118	P	Pn	02 05 51.3	-1.1	VLS	Valsamata	9.70 130	P	Pn	02 06 10.3	-2.3	COP	Copenhagen	10.85 4	P	Pn	02 06 30.9	+2.6
KBN	Korea	8.22 118	P	Pn	02 05 51.3	-1.1	VLS	Valsamata	9.70 130	P	Pn	02 06 10.3	-2.3	COP	Copenhagen	10.85 4	P	Pn	02 06 30.9	+2.6
DRGR		8.25 72	l/P	Pn	02 05 53.0	+0.2	HORT	Horiatias	9.72 112	P	Pn	02 06 11.2	-1.8	ISR	Istrita	10.86 83	l/P	Pn	02 06 29.3	+0.8
DEV	Deva	8.29 79	l/P	Pn	02 05 54.8	+1.6	HORT	Horiatias	9.72 112	P	Pn	02 06 11.2	-1.8	PLOR	Plostina	10.90 79	l/P	Pn	02 06 30.5	+1.4
BIA	Bitola	8.35 114	P	Pn	02 05 54.0	-0.2	PDO	Prodromos	9.73 127	P	Pn	02 06 11.2	-1.8	TESR	Tescani	10.92 76	l/P	Pn	02 06 29.6	+0.3
BIA	Bitola	8.35 114	P	Pn	02 05 54.0	-0.2	SET	Setif	9.73 209	P	Pn	02 06 17.0	+3.9	SWN1	Swindon	10.93 312	eP	Pn	02 06 28.6	-0.8
BIA	Bitola	8.35 114	ePn	Pn	02 05 53.8	-0.4	SET	Setif	9.73 209	P	Pn	02 06 17.0	+3.9	SWN1	Swindon	10.93 312	eP	Pn	02 06 28.6	-0.8
BIA	Bitola	8.35 114	P	Pn	02 05 54.0	-0.2	RGN	Rugen	9.78 7	ePn	Pn	02 06 14.7	+1.1	SWN1			IAMS_20	IAMS_20	02 11 33.2	
ZAPS	Zavoj	8.37 97	ePn	Pn	02 05 54.6	+0.2	SOH	Sokhos	9.79 110	P	Pn	02 06 12.4	-1.4	VRI	Vrincioia	10.96 79	l/P	Pn	02 06 30.3	+0.5
TRPA	Trpa	8.46 63	ePn	Pn	02 05 55.9	+0.3	SOH	Sokhos	9.79 110	P	Pn	02 06 12.4	-1.4	THAL	Thalero	10.96 125	P	Pn	02 06 28.8	-1.1
TRPA	Trpa	8.46 63	ePn	Pn	02 05 55.9	+0.3	SOH	Sokhos	9.79 110	P	Pn	02 06 12.4	-1.4	RDO	Rodhopi	11.12 105	P	Pn	02 06 31.2	-0.9
UZH	Uzhgorod	8.48 60	eP	Pn	02 05 55.3	-0.5	VOIR	Voivodina	9.79 82	l/P	Pn	02 06 16.0	+2.1	RDO	Rodhopi	11.12 105	P	Pn	02 06 31.2	-0.9
UZH			eS	Sn	02 07 29.9	-1.1	HUMR	Humele	9.81 87	l/P	Pn	02 06 14.5	+0.4	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 31.5	-1.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS	Sn	02 07 29.9	-1.1	SRS	Serrai	9.81 108	P	Pn	02 06 13.0	-1.1	ITM	Ithomi	11.15 130	ePn	Pn	02 06 32.4	0.0
UZH			eS																	







20d 2h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ASHO, ALNE, ALNE, KULLO, KULLO, KK31, etc.

2012 MAY

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ZHN, SATY, SATY, KOKPEK, KASHI, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like TLY, TLY, TLY, TALAYA, etc.

SHEL	comp=Z,30nm,1.0s	62.48	198	PFAKE	LR	LR	02 14 30.0	+14
ASHFIELD	comp=Z,7um,21.0s	62.55	306	P	P		02 14 16.5	0.0
YAK	baz=53,SNR=29	62.59	28	eP	P		02 14 17.0	+0.4
YAK	comp=Z,215nm,0.7s				LR	LR		
YAK	comp=Z,40um,19.0s	62.59	28	d/iP	P		02 14 18.3	+1.8
YAK	e						02 14 50.5	
YAK	ePPP			PPP			02 18 10.2	
YAK	eS			S			02 22 45.7	+2.5
YAK	eSS			SS			02 23 11.4	+1.9
YAK	eSSS			SSS			02 29 36.7	
YAK	pmx			pmx				
YAK	comp=Z,158nm,0.9s			pmx	pmx			
YAK	comp=E,39nm,1.0s			pmx	pmx			
YAK	comp=N,48nm,1.3s			smx	smx			
YAK	comp=N,1um,10.1s			smx	smx			
YAK	comp=E,521nm,8.4s			MLR	MLR			
YAK	comp=Z,55um,16.0s			MLR	MLR			
YAK	comp=N,44um,17.0s			MLR	MLR			
URV	comp=E,21um,17.0s	62.65	96	eP	P		02 14 14.9	-2.7
ERPA	Urvakonda	62.70	303	eP	P		02 14 17.2	-0.4
ERPA	Erie	62.70	303	eP	P		02 14 17.5	-0.1
GTA	comp=E,151nm,1.0s	62.73	61	eP	P		02 14 18.6	+0.6
GTA	Gaotai			pP	pP		02 14 23.1	-0.7
GTA				sP	sP		02 14 26.3	+0.4
GTA				S	S		02 22 46.5	+0.5
GTA				SS	SS		02 22 52.8	-0.2
GTA				SS	SS		02 26 50.4	+0.3
GTA	pmx			pmx	pmx			
GTA	comp=E,8um,5.9s			LR	LR			
GTA	comp=E,16um,17.1s			LR	LR			
GTA	comp=E,14um,23.0s			LR	LR			
ELFO	Elginfield	62.84	305	P	P		02 14 18.0	-0.5
M54A	Oil Creek Stat	62.87	302	P	P		02 14 18.6	-0.2
M54A	Oil Creek Stat	62.87	302	eP	P		02 14 18.9	+0.1
LSA	Lhasa	62.95	74	P	P		02 14 20.8	+0.8
LSA	comp=E,58nm,0.9s			pmx	pmx			
LSA	Lhasa	62.95	74	eP	P		02 14 20.5	+0.5
LSA	comp=E,70nm,1.0s							
LSA	comp=Z,14um,20.0s			LR	LR			
LSA	Lhasa	62.95	74	iP	P		02 14 20.8	+0.8
LSA	SNR=14							
LSA	Lhasa	62.95	74	eP	pmx		02 14 20.5	+0.5
LSA	comp=Z,70nm,1.0s			MLR	MLR			
LSA	comp=Z,14um,20.0s							
O56A	Blue Knob Stat	62.95	301	P	P		02 14 19.1	-0.3
O56A	Blue Knob Stat	62.95	301	eP	P		02 14 19.5	+0.1
SRLM	Srisailam	63.03	94	eP	P		02 14 18.2	-2.0
ALLY	Aleghen Colle	63.08	303	eP	P		02 14 20.0	-0.1
E45A	Wooded Hills	63.11	309	P	P		02 14 20.0	+0.3
F46A	Macinaw City C	63.23	309	P	P		02 14 20.7	-0.4
E44A	Grand Marais A	63.35	310	P	P		02 14 21.6	-0.3
N54A	Moraine State	63.40	302	P	P		02 14 22.0	-0.3
N54A	Moraine State	63.40	302	eP	P		02 14 22.5	+0.2
CBN	Corbin Frederi	63.46	298	P	P		02 14 22.6	+0.2
CBN	Corbin Frederi	63.46	298	eP	P		02 14 23.0	+0.3
CBN	comp=Z,128nm,1.1s			LR	LR			
F45A	CMU Biological	63.71	309	P	P		02 14 24.0	-0.3
CVRD	Centerville Ro	63.82	298	eP	P		02 14 25.0	-0.1
SPRD	Spring Road, M	63.89	298	eP	P		02 14 25.4	-0.1
IP05	Hopewell Churc	63.93	298	eP	P		02 14 25.9	+0.1
IP01	Cuckoo	63.95	298	eP	P		02 14 25.9	0.0
URVA	University of	63.95	298	eP	P		02 14 26.3	+0.4
ADKI	Addanki	63.97	93	eP	P		02 14 24.3	-2.0
IP03	Louisa	63.97	298	eP	P		02 14 26.2	+0.1
IP04	Greensprings	63.98	299	eP	P		02 14 26.4	+0.3
IP06	Yanceyville	64.01	298	eP	P		02 14 26.3	0.0
F44A	Big Bay de Noc	64.03	310	P	P		02 14 26.1	-0.2
TSUM	Tsumeb	64.03	173	eP	P		02 14 24.3	-2.3
TSUM	comp=Z,8.0nm,0.8s			LR	LR			
IP07	Quail	64.05	298	eP	P		02 14 26.5	-0.1
E43A	Lone Tree Farm	64.09	310	P	P		02 14 26.3	-0.4
JSRW	J. Sargeant Re	64.09	298	eP	P		02 14 27.0	+0.1
INK	Inuvik	64.09	346	P	P		02 14 26.1	-0.3
INK	comp=Z,15nm,0.8s, baz=28,slow=11,SNR=27			P	P		02 43 16.1	-9.4
INK	comp=Z,3.0nm,1.1s, baz=109,slow=6.2,SNR=3.8						02 43 21.9	
INK	comp=Z,7.0nm,1.0s, baz=183,slow=8.4,SNR=8.3						02 43 30.0	
INK	comp=Z,2.7nm,0.9s, baz=254,slow=10,SNR=5.2						02 46 00.8	
INK	comp=Z,11um,18.1s, baz=23,slow=39			LR	LR		02 46 00.8	
INK	Inuvik	64.09	346	eP	P		02 14 26.4	0.0
INK	e			P	P		02 43 16.1	
INK	e			P	P		02 43 21.9	
INK	e			P	P		02 43 30.0	-6.8
INK	e			P	P		02 14 26.7	-0.2
MCWV	Mont Chateau	64.10	301	P	P		02 14 27.2	+0.3
MCWV	Mont Chateau	64.10	301	eP	P		02 14 27.6	-1.3
PVM	Polavaram	64.21	91	eP	P		02 14 27.2	-0.6
C40A	Isle Royale Na	64.27	313	P	P		02 14 29.3	-0.1
PLIO	Pelee Island,	64.49	304	P	P		02 14 30.4	+1.1
CLNS	Chul'man	64.50	34	eP	P		02 14 39.8	+2.6
CLNS	e			e	e		02 15 02.8	
CLNS	e			e	e		02 16 51.5	
CLNS	e			e	e		02 18 23.3	
CLNS	e			e	e		02 23 05.6	-1.7
CLNS	e			e	e		02 24 18.2	
CLNS	e			e	e		02 27 15.6	-1.1
CLNS	e			e	e		02 30 03.0	
CLNS	comp=N,14nm,1.0s			pmx	pmx			
CLNS	comp=Z,47nm,0.9s			pmx	pmx			
CLNS	comp=E,16nm,0.9s			pmx	pmx			
CLNS	comp=Z,12nm,1.1s			pmx	pmx			
CLNS	comp=N,18nm,1.2s			pmx	pmx			
CLNS	comp=E,7.0nm,0.9s			smx	smx			

CLNS	comp=N,2um,13.8s			smx	smx			
CLNS	comp=E,816nm,14.8s			MLR	MLR			
CLNS	comp=Z,14um,14.0s			MLR	MLR			
CLNS	comp=E,9um,13.0s			MLR	MLR			
D41A	Chassel	64.50	312	P	P		02 14 29.0	-0.4
YKW3	Yellowknife Ar	64.51	335	eP	P		02 14 28.9	-0.3
F42A	Flat Rock, Esc	64.52	310	P	P		02 14 29.1	-0.5
E42A	Champion	64.55	311	P	P		02 14 29.3	-0.5
YKA	Yellowknife Ar	64.56	335	P	P		02 14 29.2	-0.3
YKA	comp=N,53nm,1.0s, baz=42,slow=6.5,SNR=166			S	S		02 23 08.0	+0.2
YKA	comp=N,0.2nm,0.8s, baz=120,slow=25,SNR=2.7			P	P		02 43 16.2	-8.3
YKA	comp=N,4.3nm,0.9s, baz=208,slow=2.2,SNR=17			P	P		02 14 30.3	-0.8
AAM	Ann Arbor	64.75	305	P	P		02 14 31.4	+0.3
AAM	Ann Arbor	64.75	305	eP	P		02 14 31.4	+0.3
AAM	comp=N,314nm,1.8s			LR	LR			
AAM	Ann Arbor	64.75	305	eP	pmx		02 14 31.4	+0.3
AAM	comp=Z,314nm,1.8s			MLR	MLR			
AAM	comp=Z,7um,19.0s							
C39A	Grand Marais	64.84	313	P	P		02 14 31.1	-0.5
E41A	Kentof	65.09	311	P	P		02 14 32.9	-0.4
F42A	Maple Grove Fa	65.09	310	P	P		02 14 32.3	-1.0
CHLP	Challavanipeta	65.10	88	eP	P		02 14 32.8	-1.0
VIS	Vishakhapatnam	65.11	89	iP	P		02 14 32.9	-0.9
VIS				i	x		02 23 16.8	
G43A	Wallace	65.17	310	P	P		02 14 33.5	-0.3
G43A	Wallace	65.17	310	eP	P		02 14 33.7	-0.1
SKHT	Srikalahasti	65.21	95	eP	P		02 14 32.9	-1.5
COWI	Conover	65.41	311	eP	P		02 14 35.0	-0.4
COWI	comp=Z,42nm,1.1s			LR	LR			
EYMN	Ely	65.46	314	P	P		02 14 35.3	-0.4
EYMN	Ely	65.46	314	eP	P		02 14 34.8	-0.9
EYMN	comp=Z,123nm,1.6s			LR	LR			
C38A	Sawbill Land	65.50	314	P	P		02 14 35.2	-0.8
G42A	Mountain	65.58	310	P	P		02 14 35.9	-0.5
G42A	Mountain	65.58	310	eP	P		02 14 36.9	+0.4
E40A	Wakefield	65.60	312	P	P		02 14 36.0	-0.6
CNNC	Cliffs of the	65.61	296	P	P		02 14 36.2	-0.6
CNNC	Cliffs of the	65.61	296	eP	P		02 14 36.9	+0.1
CNNC	comp=Z,5um,20.0s			LR	LR			
F41A	Three Lakes	65.63	311	P	P		02 14 36.3	-0.5
ACSO	Alum Creek Sta	65.64	303	P	P		02 14 36.7	-0.3
ACSO	Alum Creek Sta	65.64	303	eP	P		02 14 36.4	-0.6
ACSO	comp=Z,234nm,1.2s			LR	LR			
ACSO	Alum Creek Sta	65.68	299	eP	P		02 14 37.1	-0.1
VWVC	Virginia Weste	65.71	309	eP	P		02 14 37.0	-0.3
H43A	Windswept, Lux	65.71	309	eP	P		02 14 38.1	+0.8
H43A	Windswept, Lux	65.71	309	eP	P		02 14 38.1	+0.8
RCBR	Riachuelo	65.77	233	eP	P		02 14 37.9	-0.1
FFC	Flin Flon	65.78	324	eP	P		02 14 38.0	+0.4
FFC	comp=Z,11um,20.0s			LR	LR			
FFC	Flin Flon	65.78	324	eP	pmx		02 14 38.0	+0.4
FFC	comp=Z,2.1nm,0.9s			MLR	MLR			
ANWB	Willy Bob	65.78	271	PFAKE	LR		02 14 50.0	+1.2
BILL	Bilibino	65.86	10	eP	P		02 14 38.3	+0.5
BILL	comp=Z,222nm,2.0s			LR	LR			
BILL	Bilibino	65.86	10	iP	P		02 14 38.2	+0.3
BILL				i	e		02 15 07.3	
BILL				e	e		02 17 02.8	
BILL				i	S		02 23 23.9	+0.4
BILL				eSS	SS		02 27 41.1	+3.9
BILL	pmx			pmx	pmx			
BILL	comp=Z,88nm,1.7s			MLR	MLR			
TOLK	Toolik Lake Re	65.90	352	P	P		02 14 38.0	-0.2
TOLK	Toolik Lake Re	65.90	352	eP	P		02 14 39.6	+1.4
C37A	Embarrass	65.96	314	P	P		02 14 38.4	-0.5
BLA	Blacksburg	65.97	299	P	P		02 14 38.7	-0.5
BLA	Blacksburg	65.97	299	eP	P		02 14 39.2	0.0
BLA	comp=Z,79nm,1.0s			LR	LR			
BLA	Blacksburg	65.97	299	eP	pmx		02 14 39.2	0.0
BLA	comp=Z,5um,20.0s			pmx	pmx			
BLA	Blacksburg	65.97	299	eP	pmx		02 14 39.2	0.0
BLA	comp=Z,79nm,							

20d 2h

Table with columns: Call Sign, Name, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like JWFS Jewell Farm, BTO Baotou, SEY Seymour, etc.

2012 MAY

Table with columns: Call Sign, Name, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like HDIL Hopedale, K39A Oelwein, M41A Milan, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like SCIA State Center, Q43A New Douglas, BPWA Bear Paw Mtn., etc.









20d 2h

Table with columns for station call letters, station name, frequency, and other details. Includes stations like PLMC San Jos, PAHR Pah Rah Range, KVN Kaiserville, etc.

2012 MAY

Table with columns for station call letters, station name, frequency, and other details. Includes stations like TUC comp=Z,80nm,1.8s, DAC Darwin (Calif), DAC Darwin (Calif), etc.

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Table with columns for station call letters, station name, frequency, and other details. Includes stations like WAKE comp=Z,4jm,20.0s, EFI East Falkland, KIP Kipapa, etc.

CSEM 20 02:06:12.5, 44.88N, 11.12E, h5km, ML4.8/6

ROM 20 02:06:12.5-0.2, 44.879N, 0.005-11.12E, 0.01, h5km, ML4.8/1, Northern Italy

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like RAVARINO, MODENA, NOVELLARA, etc.

ROM 20 02:06:26.5-0.2, 44.905N, 0.004-11.165E, 0.008, h4km, ML4.8/3

VIE 20 02:06:29.5-2.3, 44.92N, 11.14E, h10km, m4.9/2, Error ellipse: s-maj=16.8km s-min=10.9km az=91.0 49 km NNW of Bologna

CSEM 20 02:06:30.3-0.1, 44.93N, 11.20E, h2km, ML4.8, Error ellipse: s-maj=3.7km s-min=2.3km az=98.0

ISC 20 02:06:29.7-1.0, 44.92N, 0.02-11.18E, 0.03, h8km, 10km, n70, c096977, Northern Italy

Large table listing seismic stations and their parameters. Includes stations like RAVARINO, MODENA, NOVELLARA, MANTOVA, etc.

Table with columns: MYKA, Sbn, Sbs, Pg, Pg. Lists stations MYKA and WATA.

CSEM 20 02:07:28.0, 44.87N, 11.27E, h6km, ML5.0/36

ROM 20 02:07:28.9-0.3, 44.874N, 0.005-11.27E, 0.01, h6km, ML5.0/16, Northern Italy

Large table listing seismic stations and their parameters. Includes stations like RAVARINO, MINERBIO FIU, OPPEANO, etc.

Table with columns: CNCS, CRMI, CTB, etc. Lists stations like Carmignano, Castellone, Castel Tesino, etc.

CSEM 20 02:09:48.3, 44.83N, 11.34E, h5km, ML4.3/2

ROM 20 02:09:48.4-0.3, 44.834N, 0.006-11.34E, 0.01, h5km, ML4.3/1, Northern Italy

Large table listing seismic stations and their parameters. Includes stations like RAVARINO, SERMIDE, IMOLA, etc.



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LOR, LORMES, SAINT SAULGE, etc.

ROM 20 02:12:40.5:0.2, 44:870N:0.005:11:22E:0.01, h7km, ML3.4/18
CSEEM 20 02:12:40.5:44:87N:11:22E, h7km, ML3.4/32
ISCSJB 20 02:12:44.0:0.4, 44:89N:0.02:11:28E:0.04, h14km, 3km, Error ellipse: s-maj=4.9km s-min=3.5km az=9.9

Main table for the first section, listing stations like SERM, RAVA, MODA, etc. with their respective data points.

Main table for the second section, listing stations like VLC, LEOD, MAGA, etc. with their respective data points.

WEL 20 02:18:17.2, 43°S, 5°17'11"E, h5km, ML3.5/9, South Island

Main table for the third section, listing stations like WWV, RPZ, FOZ, etc. with their respective data points.

CSEM 20 02:19:24.6, 44:83N:11:51E, h5km, ML3.4/22
ROM 20 02:19:24.6:0.2, 44:828N:0.008:11:51E:0.02, h5km, ML3.4/11, Northern Italy

Main table for the fourth section, listing stations like FIU, SERM, RAVA, etc. with their respective data points.

ROM 20 02:20:39.7:0.1, 44:867N:0.005:11:40E:0.01, h5km, ML3.7/26

PRU 20 02:20:40.5, 44.811N, 11.79E, h0km
LDG 20 02:20:41.3, 0.7, 44.94N, 11.58E, h2km, M13, 8/9, Error
ellipse: s-maj=14.9km s-min=7.8km az=86.0
CSEM 20 02:20:42.0, 0.2, 44.91N, 11.46E, h5km, M13, 8/4, Error
ellipse: s-maj=5.0km s-min=4.4km az=124.0
IDC 20 02:20:42.5, 3.2, 44.70N, 11.52E, h16km, 19km, mb3,4/5,
mb1 3.6/9, mb1mx3.3/72, mbtmp3.5/9, M13, 3/4, Error
ellipse: s-maj=30.9km s-min=17.0km az=120.0
STR 20 02:20:51.0, 1.9, 45.1N, 8.1E, h7, h5km, M4, 8/16,
mb5, 0/3, MLV4, 7/16

ISC 20 02:20:42.3, 0.9, 44.86N, 0.02, 11.39E, 0.03, h13km, 6km,
n163, r1446/169, mb3,5/5, Northern Italy

Table with columns: Code, Station Name, Az, Op, ISC, Time, Res, ISC. Rows include stations like SERM, RAVARINO, MINERBIO, NOVELLARA, etc.

Main data table with columns: Station Name, Az, Op, ISC, Time, Res, ISC. Rows include stations like BRIS, SANR, ROVR, ZEN8, POPM, BDI, etc.

Table with columns: Station Name, Az, Op, ISC, Time, Res, ISC. Rows include stations like MAGA, CGRP, CRMI, MAIM, CTLE, CPGN, PLMA, CSNT, MSA, ATBU, APPI, BOSI, BRMO, etc.





Table with columns for station name, coordinates, and various data points. Includes stations like CRMI, SFI, ASOL, PLMA, CGRP, MSSA, CSNT, CPGN, APPI, BDI, BRMO, and PCP.

Table with columns for station name, coordinates, and various data points. Includes stations like MOSI, ATBU, RISI, GERES, VRAC, CLL, EKA, FINES, TOR, DBIC, KURBB, ZALV, MKAR, YKA, TXAR, and VVDA.

Summary text for GUC 20 02:21:04.2.0.6, 24:11S-67:25W, h200km±15km, ML3.8, 4C-1D, Chile-Argentina border region. Includes station codes, names, and coordinates.

Table with columns for station name, coordinates, and various data points. Includes stations like SERM, RAVA, SBPO, MODE, NOV, MINTV, FIU, OPPE, and BDI.

Table with columns for station name, coordinates, and various data points. Includes stations like OPPE, ZCCA, TEOL, MTRZ, PRMA, ZOVE, TREG, ERBM, IMOL, FVND, BOTT, SEI, POPM, MAGA, and BDI.























Table with columns for station name, frequency, power, and other technical details. Includes stations like SURF Saint Ours, LPGA La Plagne, MOA Molin, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like CALV Calviac, MTLF Montlieu, KEST Kesra, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like OPPE, IMOL, TEOL, ZCCA, etc.







Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like Langenberg, Grafenberg, and Fort de Pagny.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like GRUS Gruza, MTLF Montoliou, and SVIS Svijajnac.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like TLY, FCC Fort Churchill, and YKA Yellowknife Ar.

TEOL	Teolo	0.60	41	P	Pb	02 38 03.7	-0.2
TEOL	Teolo	0.60	41	ePg	Pb	02 38 04.1	+0.2
TEOL	Teolo	0.60	41	eSg	Pb	02 38 13.0	+0.6
TEOL	Teolo	0.60	41	P	Pb	02 38 03.7	-0.2
TEOL	comp=E,23800um,0.9s				AML		
TEOL	comp=N,15200um,1.0s				AML		
TEOL	comp=E,23800um,0.9s				AML		
TEOL	comp=N,15200um,1.0s				AML		
TEOL	comp=N,15200um,1.0s				AML		
TEOL	comp=E,23800um,0.9s				AML		
ZOVE	Zovencedo	0.61	26	P	Pg	02 38 03.7	+0.3
ZOVE	Zovencedo	0.61	26	P	Pb	02 38 03.7	+0.3
TREG	Tregnago	0.62	3	P	Pb	02 38 04.4	+0.1
TREG	Tregnago	0.62	3	P	Pb	02 38 04.4	+0.1
ADRI	Adria, Italy	0.66	78	ePg	Pg	02 38 04.4	+0.2
ADRI	Adria, Italy	0.66	78	ePg	Pg	02 38 04.4	+0.2
ERBM	Eremo	0.70	226	P	Pn	02 38 06.7	-0.5
ERBM	Eremo	0.70	226	P	Pn	02 38 06.7	-0.5
ERBM	comp=E,3375um,1.4s				AML		
ERBM	comp=N,5320um,0.9s				AML		
ERBM	comp=E,3375um,1.4s				AML		
ERBM	comp=N,5320um,0.9s				AML		
IMOL	Imola, Italy	0.71	140	P	Pb	02 38 06.2	+0.5
IMOL	Imola, Italy	0.71	140	P	Pb	02 38 06.2	+0.5
IMOL	comp=E,786um,1.3s				AML		
IMOL	comp=N,10025um,0.5s				AML		
IMOL	comp=E,1550um,0.7s				AML		
IMOL	comp=N,1029um,0.9s				AML		
IMOL	comp=E,1550um,0.7s				AML		
IMOL	comp=N,10025um,0.5s				AML		
IMOL	comp=N,1029um,0.9s				AML		
IMOL	comp=N,1029um,0.9s				AML		
IMOL	comp=E,786um,1.3s				AML		
MARN	Marana (Italy)	0.74	5	ePg	Pb	02 38 06.9	+0.7
MARN	Marana (Italy)	0.74	5	ePg	Pb	02 38 06.9	+0.7
FNVD	Fontana Vidola	0.74	179	P	Pg	02 38 05.8	0.0
FNVD	Fontana Vidola	0.74	179	P	Pg	02 38 05.8	0.0
ROVR	Roverà Verona	0.74	358	P	Pb	02 38 06.7	+0.3
ROVR	Roverà Verona	0.74	358	P	Pb	02 38 06.7	+0.3
ROVR	comp=E,1295um,0.7s				AML		
ROVR	comp=N,2000um,1.5s				AML		
ROVR	comp=E,1295um,0.7s				AML		
ROVR	comp=N,2000um,1.5s				AML		
BALD	Monte Baldo	0.81	345	ePg	Pn	02 38 08.7	-0.2
BALD	Monte Baldo	0.81	345	ePg	Pn	02 38 08.7	-0.2
BALD	Monte Baldo	0.81	345	ePg	Pn	02 38 08.7	-0.2
BRIS	BRISIGHELLA	0.81	159	P	Pn	02 38 08.4	-0.2
BRIS	BRISIGHELLA	0.81	159	P	Pn	02 38 08.4	-0.2
BRIS	comp=E,6695um,0.6s				AML		
BRIS	comp=N,5030um,0.8s				AML		
BRIS	comp=E,6695um,0.6s				AML		
BRIS	comp=N,1980um,0.8s				AML		
BRIS	comp=E,6695um,0.6s				AML		
BRIS	comp=N,1980um,0.8s				AML		
BRIS	comp=E,2665um,0.6s				AML		
BRIS	comp=N,1980um,0.8s				AML		
BRIS	comp=N,5030um,0.8s				AML		
SANR	Sandri	0.81	25	P	Pb	02 38 07.9	+0.3
SANR	Sandri	0.81	25	P	Pb	02 38 07.9	+0.3
SALO	Salr	0.83	330	P	Pn	02 38 08.5	-0.5
SALO	Salr	0.83	330	P	Pn	02 38 08.5	-0.5
SALO	comp=E,1675um,0.7s				AML		
SALO	comp=N,1830um,0.6s				AML		
SALO	comp=E,1675um,0.7s				AML		
SALO	comp=N,1830um,0.6s				AML		
VOBA	Vobarno	0.85	330	P	Pn	02 38 09.2	-0.1
VOBA	Vobarno	0.85	330	P	Pn	02 38 09.2	-0.1
VOBA	comp=E,1109um,0.3s				AML		
VOBA	comp=N,1135um,0.7s				AML		
VOBA	comp=E,1109um,0.3s				AML		
VOBA	comp=N,1135um,0.7s				AML		
BOTT	Botticino	0.86	319	P	Pb	02 38 08.5	+0.2
BOTT	Botticino	0.86	319	P	Pb	02 38 08.5	+0.2
SEI	Scarperia	0.87	168	P	Pn	02 38 09.3	-0.2
SEI	Scarperia	0.87	168	P	Pn	02 38 09.3	-0.2
LEOD	Capriano del C	0.89	309	P	Pn	02 38 10.9	+1.1
LEOD	Capriano del C	0.89	309	P	Pn	02 38 10.9	+1.1
POPM	Popiglio	0.90	197	P	Pb	02 38 09.2	+0.2
POPM	Popiglio	0.90	197	P	Pb	02 38 09.2	+0.2
POPM	comp=E,3155um,0.7s				AML		
POPM	comp=N,5695um,1.0s				AML		
POPM	comp=N,5695um,1.0s				AML		
POPM	comp=E,3155um,0.7s				AML		
VLLC	Villacollemand	0.91	215	P	Pg	02 38 09.0	0.0
VLLC	Villacollemand	0.91	215	P	Pg	02 38 10.0	-0.1
VLLC	comp=E,2445um,0.6s				AML		
VLLC	comp=N,2315um,0.9s				AML		
VLLC	comp=E,2445um,0.6s				AML		
VLLC	comp=N,2315um,0.9s				AML		
BDI	Bagni Di Lucca	0.92	204	P	Pn	02 38 11.8	+1.5
BDI	Bagni Di Lucca	0.92	204	P	Pn	02 38 10.4	+0.1
BDI	Bagni Di Lucca	0.92	204	P	Pn	02 38 10.4	+0.1
BDI	comp=E,5070um,0.9s				AML		
BDI	comp=N,4690um,0.5s				AML		
BDI	comp=E,4720um,0.9s				AML		
BDI	comp=N,4955um,0.6s				AML		
BDI	comp=N,4955um,0.6s				AML		
BDI	comp=N,4690um,0.5s				AML		
BDI	comp=E,4720um,0.9s				AML		
BDI	comp=E,5070um,0.9s				AML		
MAGA	Magasa	0.94	339	P	Pn	02 38 10.1	-0.4
MAGA	Magasa	0.94	339	P	Pn	02 38 10.1	-0.4
MAGA	comp=E,4450um,0.6s				AML		
MAGA	comp=N,4620um,0.5s				AML		
MAGA	comp=N,4620um,0.5s				AML		
MAGA	comp=E,4450um,0.6s				AML		
CNCS	Concesio	0.94	318	P	Pn	02 38 10.6	+0.1
CNCS	Concesio	0.94	318	P	Pn	02 38 10.6	+0.1
CNCS	comp=N,2395um,1.0s				AML		

CNCS	comp=E,11750um,0.3s				AML		
CNCS	comp=N,8920um,0.3s				AML		
CNCS	comp=E,11750um,0.3s				AML		
CNCS	comp=N,8920um,0.3s				AML		
PTF	Prato	0.95	182	P	Pn	02 38 10.2	-0.4
PTF	Prato	0.95	182	P	Pn	02 38 10.2	-0.4
ORZI	Orzinuovi	0.97	301	P	Pn	02 38 12.7	+1.8
ORZI	Orzinuovi	0.97	301	P	Pn	02 38 12.7	+1.8
DOSS	Dosso del Somm	0.98	31	ePg	Pn	02 38 10.9	-0.3
DOSS	Dosso del Somm	0.98	31	ePg	Pn	02 38 10.9	-0.3
VMG	Vicchio	0.99	162	P	Pb	02 38 10.6	0.0
VMG	Vicchio	0.99	162	P	Pb	02 38 10.6	0.0
CTL8	Castelleone	1.03	292	P	Pn	02 38 12.9	+1.3
CTL8	Castelleone	1.03	292	P	Pn	02 38 12.9	+1.3
CTL8	comp=E,7210um,0.6s				AML		
CTL8	comp=N,5905um,0.9s				AML		
CTL8	comp=N,5905um,0.9s				AML		
CTL8	comp=E,7210um,0.6s				AML		
MAIM	Mastiano	1.09	204	P	Pg	02 38 12.7	+0.3
MAIM	Mastiano	1.09	204	P	Pg	02 38 12.7	+0.3
MAIM	comp=E,2835um,0.4s				AML		
MAIM	comp=N,4720um,0.6s				AML		
MAIM	comp=N,4720um,0.6s				AML		
MAIM	comp=N,4720um,0.6s				AML		
CGRP	Cima Grappa	1.09	26	ePg	Pn	02 38 12.8	+0.1
CGRP	Cima Grappa	1.09	26	ePg	Pn	02 38 12.3	0.0
CGRP	Cima Grappa	1.09	26	ePg	Pn	02 38 12.8	+0.1
CGRP	Cima Grappa	1.09	26	P	Pb	02 38 12.3	0.0
CGRP	comp=E,5665um,0.7s				AML		
CGRP	comp=N,7580um,0.6s				AML		
CGRP	comp=E,5665um,0.7s				AML		
CGRP	comp=N,7580um,0.6s				AML		
CAPR	Capriolo	1.11	312	P	Pg	02 38 13.2	+0.3
CAPR	Capriolo	1.11	312	P	Pg	02 38 13.2	+0.3
CRMI	Carmignano	1.12	185	P	Pg	02 38 13.9	+0.9
CRMI	Carmignano	1.12	185	P	Pg	02 38 13.9	+0.9
CRMI	comp=E,1965um,0.5s				AML		
CRMI	comp=N,1184um,0.8s				AML		
CRMI	comp=N,1184um,0.8s				AML		
CRMI	comp=N,1184um,0.8s				AML		
CRMI	comp=E,1965um,0.5s				AML		
RNI	Roncone	1.13	342	ePg	Pg	02 38 13.5	+0.2
RNI	Roncone	1.13	342	ePg	Pg	02 38 13.5	+0.2
RNI	Roncone	1.13	342	ePg	Pg	02 38 13.5	+0.2
RNI	Roncone	1.13	342	ePg	Pg	02 38 13.5	+0.2
SFI	Santa Sofia	1.13	152	P	Pb	02 38 12.9	-0.2
SFI	Santa Sofia	1.13	152	P	Pb	02 38 12.9	-0.2
SFI	comp=E,2040um,0.9s				AML		
SFI	comp=N,2950um,1.0s				AML		
SFI	comp=N,2950um,1.0s				AML		
SFI	comp=N,2950um,1.0s				AML		
SFI	comp=N,3050um,1.0s				AML		
SFI	comp=N,3050um,1.0s				AML		
SFI	comp=N,3050um,1.0s				AML		
SFI	comp=N,3050um,1.0s				AML		
SFI	comp=N,3050um,1.0s				AML		
SFI	comp=N,3050um,1.0s				AML		
FIR	Firenze	1.14	175	P	Pg	02 38 21.1	+7.8
MTLO	Montello	1.14	37	ePg	Pg	02 38 14.4	+0.9
MTLO	Montello	1.14	37	ePg	Pg	02 38 14.4	+0.9
PANI	Panarotta	1.16	8	ePg	Pb	02 38 13.2	-0.3
PANI	Panarotta	1.16	8	ePg	Pb	02 38 13.2	-0.3
COB	Bobbio (Coli)	1.19	264	P	Pn	02 38 14.0	0.0
COB	Bobbio (Coli)	1.19	264	P	Pn	02 38 15.0	+0.5
CTI	Castel Tesino	1.20	18	P	Pg	02 38 14.8	+0.1
CTI	Castel Tesino	1.20	18	P	Pg	02 38 14.5	-0.2
CTI	Castel Tesino	1.20	18	P	Pg	02 38 14.5	-0.2
ASQU	Asqua	1.21	156	P	Pg	02 38 14.8	+0.1
ASQU	Asqua	1.21	156	P	Pg	02 38 14.8	+0.1
ASQU	comp=E,2365um,0.6s				AML		
ASQU	comp=N,4050um,0.7s				AML		
ASQU	comp=N,4050um,0.7s				AML		
ASQU	comp=N,4050um,0.7s				AML		
MABI	Malga Bissina	1.23	340	P	Pg	02 38 15.5	+0.4
MABI	Malga Bissina	1.23	340	P	Pg	02 38 14.7	0.0
MABI	Malga Bissina	1.23	340	P	Pb	02 38 14.7	0.0
MABI	comp=E,2565um,0.3s				AML		
MABI	comp=N,2205um,0.7s				AML		
MABI	comp=N,2205um,0.7s				AML		
MABI	comp=N,2205um,0.7s				AML		
PLMA	Palmaria, Port	1.24	227	P	Pg	02 38 15.4	0.0
PLMA	Palmaria, Port	1.24	227	P	Pg	02 38 15.4	0.0
PLMA	comp=E,3105um,0.8s				AML		
PLMA	comp=N,2405um,1.1s				AML		
PLMA	comp=N,2405um,1.1s				AML		
PLMA							







20d 2h

Table with columns: VOJS, Vojsko, 2.18 57, Pn, Pn, 02 39 46.4 -0.1, 02 40 13.2 -0.2, LPL, La Plagne, 3.25 283, ePn, Pn, 02 40 04.8 +3.3, DRME, Dracevica, Mon, 6.37 112, Pn, Pn, 02 40 43.4 +0.6

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Table with columns: LPL, La Plagne, 3.25 283, ePn, Pn, 02 40 04.8 +3.3, DRME, Dracevica, Mon, 6.37 112, Pn, Pn, 02 40 43.4 +0.6

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Table with columns: DRME, Dracevica, Mon, 6.37 112, Pn, Pn, 02 40 43.4 +0.6, DPC, Dobruska-Polom, 6.45 30, eSg, Sg, 02 42 35.8 -1.5

MTRZ	Monterenzio	0.46	169	P	Pn	02 41 11.3	-0.2
MTRZ	Monterenzio	0.46	169	P	Pn	02 41 11.3	-0.2
OPPE	Oppeano	0.49	346	P	Pb	02 41 09.7	0.0
OPPE	Oppeano	0.49	346	P	Pb	02 41 09.7	0.0
ADRI	Adria, Italy	0.52	661	ePg	Sn	02 41 19.4	-1.6
ADRI	Adria, Italy	0.52	66	ePg	Pb	02 41 10.2	0.0
ADRI	Adria, Italy	0.52	66	ePg	Sn	02 41 19.4	-1.6
ZCCA	Zocca	0.55	209	P	Pb	02 41 10.9	+0.3
ZCCA	Zocca	0.55	209	P	Pb	02 41 10.9	+0.3
ZCCA	comp=E,6245µm,0.4s			AML	AML		
ZCCA	comp=N,10615µm,0.5s			AML	AML		
ZCCA	comp=E,5675µm,0.4s			AML	AML		
ZCCA	comp=N,11200µm,0.5s			AML	AML		
ZCCA	comp=E,6250µm,0.4s			AML	AML		
ZCCA	comp=N,10590µm,0.5s			AML	AML		
ZCCA	comp=E,5675µm,0.4s			AML	AML		
ZCCA	comp=N,11200µm,0.5s			AML	AML		
ZCCA	comp=N,10590µm,0.5s			AML	AML		
ZCCA	comp=E,5675µm,0.4s			AML	AML		
ZCCA	comp=N,11200µm,0.5s			AML	AML		
ZCCA	comp=E,6250µm,0.4s			AML	AML		
IMOL	Imola, Italy	0.55	149	P	Pn	02 41 12.1	-0.5
IMOL	Imola, Italy	0.55	149	P	Pn	02 41 12.1	-0.5
TEOL	Teolo	0.58	231	ePg	Pg	02 41 10.9	+0.3
TEOL	Teolo	0.58	23	ePg	Sn	02 41 10.9	+0.3
TEOL	Teolo	0.58	23	P	Pg	02 41 20.8	-1.7
TEOL	Teolo	0.58	23	P	Pg	02 41 10.7	+0.1
TEOL	comp=E,16600µm,0.7s			AML	AML		
TEOL	comp=N,13450µm,0.7s			AML	AML		
TEOL	comp=E,16600µm,0.7s			AML	AML		
TEOL	comp=N,13450µm,0.7s			AML	AML		
TEOL	comp=E,16600µm,0.7s			AML	AML		
TEOL	comp=N,13450µm,0.7s			AML	AML		
ZOVE	Zovencodo	0.63	9	P	Pg	02 41 11.5	-0.1
ZOVE	Zovencodo	0.63	9	P	Pg	02 41 11.5	-0.1
FNVD	Fontana Vidola	0.68	194	P	Pb	02 41 13.8	+0.9
FNVD	Fontana Vidola	0.68	194	P	Pb	02 41 13.8	+0.9
FNVD	comp=E,6640µm,0.3s			AML	AML		
FNVD	comp=N,5995µm,0.4s			AML	AML		
FNVD	comp=E,6640µm,0.3s			AML	AML		
FNVD	comp=N,6000µm,0.4s			AML	AML		
FNVD	comp=N,6000µm,0.4s			AML	AML		
FNVD	comp=N,6000µm,0.4s			AML	AML		
BRIS	BRISIGHELLA	0.69	170	P	Pn	02 41 14.2	-0.4
BRIS	BRISIGHELLA	0.69	170	P	Pn	02 41 14.2	-0.4
BRIS	comp=E,7240µm,0.3s			AML	AML		
BRIS	comp=N,7270µm,0.5s			AML	AML		
BRIS	comp=E,2740µm,0.4s			AML	AML		
BRIS	comp=N,2880µm,0.5s			AML	AML		
BRIS	comp=E,7245µm,0.3s			AML	AML		
BRIS	comp=N,7270µm,0.5s			AML	AML		
BRIS	comp=E,2740µm,0.4s			AML	AML		
BRIS	comp=N,2880µm,0.5s			AML	AML		
BRIS	comp=N,2880µm,0.5s			AML	AML		
BRIS	comp=N,7270µm,0.5s			AML	AML		
BRIS	comp=E,2740µm,0.4s			AML	AML		
BRIS	comp=E,7245µm,0.3s			AML	AML		
TREG	Tregnago	0.71	349	P	Pg	02 41 13.6	+0.6
TREG	Tregnago	0.71	349	P	Pg	02 41 13.6	+0.6
TREG	comp=E,2805µm,1.1s			AML	AML		
TREG	comp=N,5925µm,0.3s			AML	AML		
TREG	comp=E,2810µm,1.1s			AML	AML		
TREG	comp=N,5925µm,0.3s			AML	AML		
TREG	comp=N,5925µm,0.3s			AML	AML		
TREG	comp=E,2810µm,1.1s			AML	AML		
PRMA	PARMA	0.74	265	P	Pn	02 41 15.2	0.0
PRMA	PARMA	0.74	265	P	Pn	02 41 15.2	0.0
ERBM	Eremo	0.78	239	P	Pn	02 41 16.2	+0.3
ERBM	Eremo	0.78	239	P	Pn	02 41 16.2	+0.3
MARN	Marana (Italy)	0.81	353	ePg	Pn	02 41 16.5	+0.1
MARN	Marana (Italy)	0.81	353	ePg	Sn	02 41 28.7	+0.4
MARN	Marana (Italy)	0.81	353	ePg	Sn	02 41 16.5	+0.1
SANR	Sandrigio	0.83	13	P	Pb	02 41 15.4	-0.1
SANR	Sandrigio	0.83	13	P	Pb	02 41 15.4	-0.1
ROVR	Roverà Verone	0.84	347	P	Pg	02 41 15.9	+0.4
ROVR	Roverà Verone	0.84	347	P	Pg	02 41 15.9	+0.4
ROVR	comp=E,8895µm,0.8s			AML	AML		
ROVR	comp=N,8630µm,0.4s			AML	AML		
ROVR	comp=E,8895µm,0.8s			AML	AML		
ROVR	comp=N,8630µm,0.4s			AML	AML		
ROVR	comp=N,8630µm,0.4s			AML	AML		
ROVR	comp=E,8895µm,0.8s			AML	AML		
POPM	Popiglio	0.89	208	P	Pb	02 41 16.3	-0.2
POPM	Popiglio	0.89	208	P	Pb	02 41 16.3	-0.2
POPM	comp=E,3470µm,0.8s			AML	AML		
POPM	comp=N,3855µm,0.3s			AML	AML		
POPM	comp=E,3470µm,0.8s			AML	AML		
POPM	comp=N,3855µm,0.3s			AML	AML		
POPM	comp=N,3855µm,0.3s			AML	AML		
PTF	Prato	0.89	193	P	Pb	02 41 16.5	0.0
PTF	Prato	0.89	193	P	Pb	02 41 16.5	0.0
ZEN8	San Zeno di Mo	0.92	332	P	Pn	02 41 17.8	0.0
ZEN8	San Zeno di Mo	0.92	332	P	Pn	02 41 17.8	0.0
BALD	Monte Baldo	0.93	337	ePg	Sn	02 41 18.2	0.0
BALD	Monte Baldo	0.93	337	ePg	Sn	02 41 32.4	+1.0
BALD	Monte Baldo	0.93	337	ePg	Sn	02 41 18.2	0.0
BALD	Monte Baldo	0.93	337	ePg	Sn	02 41 32.4	+1.0
BALD	Monte Baldo	0.93	337	ePg	Sn	02 41 18.2	0.0
BALD	Monte Baldo	0.93	337	ePg	Sn	02 41 18.9	+0.8
BALD	Monte Baldo	0.93	337	ePg	Sn	02 41 18.9	+0.8
BALD	comp=E,5420µm,0.7s			AML	AML		
BALD	comp=N,5450µm,0.9s			AML	AML		
BALD	comp=E,5420µm,0.7s			AML	AML		
BALD	comp=N,5450µm,0.9s			AML	AML		
BALD	comp=N,4575µm,0.9s			AML	AML		
BALD	comp=E,6555µm,0.7s			AML	AML		

BDI	comp=E,5420µm,0.7s			AML	AML		
BDI	comp=N,4575µm,0.9s			AML	AML		
BDI	comp=N,5450µm,0.9s			AML	AML		
VLC	Villacollemand	0.96	226	P	Pb	02 41 17.7	+0.1
VLC	Villacollemand	0.96	226	P	Pb	02 41 17.7	+0.1
VLC	comp=E,2185µm,0.8s			AML	AML		
VLC	comp=N,1605µm,1.0s			AML	AML		
VLC	comp=E,2185µm,0.8s			AML	AML		
VLC	comp=N,1605µm,1.0s			AML	AML		
VLC	comp=E,2185µm,0.8s			AML	AML		
VLC	comp=N,1605µm,1.0s			AML	AML		
SALO	Salr	0.98	324	P	Pg	02 41 19.3	+1.1
SALO	Salr	0.98	324	P	Pg	02 41 19.3	+1.1
SALO	comp=E,7215µm,1.1s			AML	AML		
SALO	comp=N,5305µm,1.4s			AML	AML		
SALO	comp=E,7215µm,1.1s			AML	AML		
SALO	comp=N,5305µm,1.4s			AML	AML		
SALO	comp=E,7215µm,1.1s			AML	AML		
SALO	comp=N,5305µm,1.4s			AML	AML		
SFI	Santa Sofia	0.99	158	P	Pg	02 41 19.1	+0.7
SFI	Santa Sofia	0.99	158	P	Pg	02 41 19.1	+0.7
SFI	comp=E,4970µm,0.3s			AML	AML		
SFI	comp=N,6210µm,0.5s			AML	AML		
SFI	comp=E,5290µm,0.3s			AML	AML		
SFI	comp=N,6295µm,0.5s			AML	AML		
SFI	comp=E,4970µm,0.3s			AML	AML		
SFI	comp=N,6210µm,0.5s			AML	AML		
SFI	comp=E,5290µm,0.3s			AML	AML		
SFI	comp=N,6295µm,0.5s			AML	AML		
SFI	comp=E,4970µm,0.3s			AML	AML		
SFI	comp=N,6210µm,0.5s			AML	AML		
SFI	comp=E,5290µm,0.3s			AML	AML		
SFI	comp=N,6295µm,0.5s			AML	AML		
SFI	comp=E,4970µm,0.3s			AML	AML		
SFI	comp=N,6210µm,0.5s			AML	AML		
SFI	comp=E,5290µm,0.3s			AML	AML		
SFI	comp=N,6295µm,0.5s			AML	AML		
SFI	comp=E,4970µm,0.3s			AML	AML		
SFI	comp=N,6210µm,0.5s			AML	AML		
SFI	comp=E,5290µm,0.3s			AML	AML		
SFI	comp=N,6295µm,0.5s			AML	AML		
SFI	comp=E,4970µm,0.3s			AML	AML		
SFI	comp=N,6210µm,0.5s			AML	AML		
SFI	comp=E,5290µm,0.3s			AML	AML		
SFI	comp=N,6295µm,0.5s			AML	AML		
SFI	comp=E,4970µm,0.3s			AML	AML		
SFI	comp=N,6210µm,0.5s			AML	AML		
SFI	comp=E,5290µm,0.3s			AML	AML		
SFI	comp=N,6295µm,0.5s			AML	AML		
SFI	comp=E,4970µm,0.3s			AML	AML		
SFI	comp=N,6210µm,0.5s			AML	AML		
SFI	comp=E,5290µm,0.3s			AML	AML		
SFI	comp=N,6295µm,0.5s			AML	AML		
SFI	comp=E,4970µm,0.3s			AML	AML		
SFI	comp=N,6210µm,0.5s			AML	AML		
SFI	comp=E,5290µm,0.3s			AML	AML		
SFI	comp=N,6295µm,0.5s			AML	AML		
SFI	comp=E,4970µm,0.3s			AML	AML		
SFI	comp=N,6210µm,0.5s			AML	AML		
SFI	comp=E,5290µm,0.3s			AML	AML		
SFI	comp=N,6295µm,0.5s			AML	AML		
SFI	comp=E,4970µm,0.3s			AML	AML		
SFI	comp=N,6210µm,0.5s			AML	AML		
SFI	comp=E,5290µm,0.3s			AML	AML		
SFI	comp=N,6295µm,0.5s			AML	AML		
SFI	comp=E,4970µm,0.3s			AML	AML		
SFI	comp=N,6210µm,0.5s			AML	AML		
SFI	comp=E,5290µm,0.3s			AML	AML		
SFI	comp=N,6295µm,0.5s			AML	AML		
SFI	comp=E,4970µm,0.3s			AML	AML		
SFI	comp=N,6210µm,0.5s			AML	AML		
SFI	comp=E,5290µm,0.3s			AML	AML		
SFI	comp=N,6295µm,0.5s			AML	AML		
SFI	comp=E,4970µm,0.3s			AML	AML		
SFI	comp=N,6210µm,0.5s			AML	AML		
SFI	comp=E,5290µm,0.3s			AML	AML		
SFI	comp=N,6295µm,0.5s			AML	AML		
SFI	comp=E,4970µm,0.3s			AML	AML		
SFI	comp=N,6210µm,0.5s			AML	AML		
SFI	comp=E,5290µm,0.3s			AML	AML		
SFI	comp=N,6295µm,0.5s			AML	AML		
SFI	comp=E,4970µm,0.3s			AML	AML		
SFI	comp=N,6210µm,0.5s			AML	AML		
SFI	comp=E,5290µm,0.3s			AML	AML		
SFI	comp=N,6295µm,0.5s			AML	AML		
SFI	comp=E,4970µm,0.3s			AML	AML		
SFI	comp=N,6210µm,0.5s			AML	AML		
SFI	comp=E,5290µm,0.3s			AML	AML		
SFI	comp=N,6295µm,0.5s			AML	AML		
SFI	comp=E,4970µm,0.3s			AML	AML		
SFI	comp=N,6210µm,0.5s			AML	AML		
SFI	comp=E,5290µm,0.3s	</					



Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include PIEI, FROS, BRMO, MPAG, ATBU, FRON, CORI, ARVD, FINB, CELB, etc.

ROM 20 02:42:16.4-0.2, 44:841N:0:006:11:176E:0:009, h10km, ML3, 7/4
CSEM 20 02:42:18.7-0.2, 44:88N:11:14E, h10km, ML3, 7/12, Error ellipse: s-maj=4.4km s-min=3.4km az=120.0
LDG 20 02:42:18.2-0.3, 44:86N:11:32E, h2km, MI3, 8/13, Error ellipse: s-maj=5.7km s-min=3.0km az=88.0
IDC 20 02:42:19.8-3.5, 44:75N:11:37E, h25km, 24km, mb3.7/5, mb1 3.9/8, mb1mx3.5/6, mbtmp3.9/8, ML3.4/2, Error ellipse: s-maj=36.9km s-min=9.6km az=117.0
ISC 20 02:42:18.6-0.8, 44.87N:0.02:11.18E:0.02, h14km, 5km, n88, r099/125, mb3.9/5, 1D, Northern Italy

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include RAVA, SERM, SBPO, MODE, TCF, CAF, FINES, TORD, KOWA, DBIC, YKA, TXAR, VNDA, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include SALO, CTLE, CRND, CTI, MABI, PGF, SBF, FRF, LMR, HINF, GERES, CDF, HAU, VIVF, PAGF, LASF, SFTF, SMF, SMF, LOR, VRAC, BRG, TCF, CAF, CLC, CLL, FINES, TORD, KOWA, DBIC, YKA, TXAR, VNDA, etc.

ROM 20 02:45:59.9-0.1, 44:847N:0:004:11:37E:0:01, h5km, ML3, 4/56
CSEM 20 02:46:03.4-0.1, 44:89N:11:35E, h12km, ML3, 6/15, Error ellipse: s-maj=3.3km s-min=2.6km az=98.0
PRU 20 02:46:03.3, 44:97N:11:13E, h10km
VIE 20 02:46:04.0-0.9, 44:95N:11:21E, h10km, mb3.0/5, mb3.6/10, Error ellipse: s-maj=12.8km s-min=6.8km az=111.0 51 km N of Bologna
LDG 20 02:46:04.9-0.3, 44:81N:11:36E, h10km, MI3, 6/23, Error ellipse: s-maj=6.3km s-min=2.8km az=62.0
IDC 20 02:46:04.2-2.8, 44:76N:11:57E, h19km, 17km, mb3.4/3, mb1 3.4/7, mb1mx3.2/73, mbtmp3.4/7, ML3.2/3, MS4.1/1, Ms1 4.2/1, ms1mx3.5/47, Error ellipse: s-maj=26.2km s-min=14.1km az=108.0
ISC 20 02:46:03.0-0.8, 44.87N:0:01:11.33E:0:02, h13km, 6km, n229, r139/253, mb3.7/3, 4C, Northern Italy

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include SERM, SERM, SERM, SERM, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include RAVA, SERM, GAZZ, NOVE, OPPE, MTRZ, ADRI, TEOL, etc.

Table with columns for location (e.g., IMOL, ZOVE), time (e.g., 0.60 11), and values (e.g., P, Pb, 02 46 15.4 +0.1).

Table with columns for location (e.g., VLC, ASOL, DOSS), time (e.g., 1.02 23), and values (e.g., P, Pn, 02 46 23.1 +0.1).

Table with columns for location (e.g., CPGN, MABI, PLMA), time (e.g., 1.32 335), and values (e.g., P, Pn, 02 46 27.7 +0.4).

Table with columns for station name, coordinates, and various parameters. Includes stations like ATPC, MPAG, APPI, etc.

Table with columns for station name, coordinates, and various parameters. Includes stations like OBKA, PGF, SBF, etc.

Table with columns for station name, coordinates, and various parameters. Includes stations like RAVA, SERM, NOVE, etc.

ROM 20:02:52.08.7.0.2.44:898N.0:004:11:11E.0:01,h5km, ML3.2/38
CSEM 20:02:52.12.3.0.1.44:92Nk.11:11E, h10km, ML3.4/14, Error ellipse: s-maj=3.2km s-min=2.1km az=115.0
ISCJB 20:02:52.12.9.0.2.44:92N.0:02x11:08E.0:03,h26km,2km,



BRIS	comp=E,1140µm,0.5s	AML	AML				
BRIS	comp=N,751µm,0.4s	AML	AML				
BRIS	comp=E,438µm,0.5s	AML	AML				
BRIS	comp=N,284µm,0.4s	AML	AML				
BRIS	comp=E,1140µm,0.5s	AML	AML				
BRIS	comp=N,751µm,0.4s	AML	AML				
BRIS	comp=E,438µm,0.5s	AML	AML				
BRIS	comp=N,284µm,0.4s	AML	AML				
BRIS	comp=N,751µm,0.4s	AML	AML				
BRIS	comp=E,1140µm,0.5s	AML	AML				
BRIS	comp=E,438µm,0.5s	AML	AML				
SALO	<b>Salr</b>	<b>0.82 330</b>	P	Pn	<b>02 52 28.9</b>	<b>0.0</b>	
SALO	<b>Salr</b>	<b>0.82 330</b>	P	Pn	<b>02 52 28.9</b>	<b>0.0</b>	
SALO	comp=E,4130µm,0.7s	AML	AML				
SALO	comp=N,6160µm,0.6s	AML	AML				
SALO	comp=E,4130µm,0.7s	AML	AML				
SALO	comp=N,6160µm,0.6s	AML	AML				
SALO	comp=E,4130µm,0.7s	AML	AML				
SALO	comp=N,6160µm,0.6s	AML	AML				
POPM	<b>Popiglio</b>	<b>0.90 196</b>	P	Pn	<b>02 52 30.7</b>	<b>+0.7</b>	
POPM	<b>Popiglio</b>	<b>0.90 196</b>	P	Pn	<b>02 52 30.7</b>	<b>+0.7</b>	
POPM	comp=E,1056µm,1.5s	AML	AML				
POPM	comp=N,1955µm,0.7s	AML	AML				
POPM	comp=E,1056µm,1.5s	AML	AML				
POPM	comp=N,1955µm,0.7s	AML	AML				
POPM	comp=N,1955µm,0.7s	AML	AML				
POPM	comp=N,1955µm,0.7s	AML	AML				
VLC	<b>Villacollemand</b>	<b>0.91 215</b>	P	Pb	<b>02 52 29.7</b>	<b>+0.4</b>	
VLC	<b>Villacollemand</b>	<b>0.91 215</b>	P	Pb	<b>02 52 29.7</b>	<b>+0.4</b>	
VLC	comp=E,562µm,0.6s	AML	AML				
VLC	comp=N,474µm,0.5s	AML	AML				
VLC	comp=E,562µm,0.6s	AML	AML				
VLC	comp=N,474µm,0.5s	AML	AML				
VLC	comp=E,562µm,0.6s	AML	AML				
VLC	comp=N,474µm,0.5s	AML	AML				
BDI	<b>Bagni Di Lucca</b>	<b>0.92 203</b>	P	Pn	<b>02 52 30.7</b>	<b>+0.4</b>	
BDI	<b>Bagni Di Lucca</b>	<b>0.92 203</b>	P	Pn	<b>02 52 30.7</b>	<b>+0.4</b>	
BDI	comp=E,1640µm,0.4s	AML	AML				
BDI	comp=N,2000µm,0.4s	AML	AML				
BDI	comp=E,1390µm,0.3s	AML	AML				
BDI	comp=N,2350µm,0.6s	AML	AML				
BDI	comp=N,2350µm,0.6s	AML	AML				
BDI	comp=E,1640µm,0.4s	AML	AML				
BDI	comp=N,1995µm,0.4s	AML	AML				
BDI	comp=E,1390µm,0.3s	AML	AML				
BDI	comp=N,2350µm,0.6s	AML	AML				
BDI	comp=N,2350µm,0.6s	AML	AML				
BDI	comp=E,1640µm,0.4s	AML	AML				
BDI	comp=N,1995µm,0.4s	AML	AML				
BDI	comp=E,1390µm,0.3s	AML	AML				
BDI	comp=N,2350µm,0.6s	AML	AML				
MAGA	<b>Magasa</b>	<b>0.93 339</b>	P	Pn	<b>02 52 30.4</b>	<b>-0.1</b>	
MAGA	<b>Magasa</b>	<b>0.93 339</b>	P	Pn	<b>02 52 30.4</b>	<b>-0.1</b>	
MAGA	comp=E,14450µm,1.6s	AML	AML				
MAGA	comp=N,10515µm,1.3s	AML	AML				
MAGA	comp=E,14450µm,1.6s	AML	AML				
MAGA	comp=N,10515µm,1.3s	AML	AML				
MAGA	comp=E,14450µm,1.6s	AML	AML				
MAGA	comp=N,10515µm,1.3s	AML	AML				
MAGA	comp=N,10515µm,1.3s	AML	AML				
MAGA	comp=E,14450µm,1.6s	AML	AML				
DOSS	<b>Dosso del Somm</b>	<b>0.97 3</b>	ePg	Pg	<b>02 52 30.9</b>	<b>+0.3</b>	
DOSS	<b>Dosso del Somm</b>	<b>0.97 3</b>	ePg	Pg	<b>02 52 30.9</b>	<b>+0.3</b>	
CTL8	<b>Castelleone</b>	<b>1.02 291</b>	P	Pn	<b>02 52 33.4</b>	<b>+1.8</b>	
CTL8	<b>Castelleone</b>	<b>1.02 291</b>	P	Pn	<b>02 52 33.4</b>	<b>+1.8</b>	
CTL8	comp=E,2505µm,1.2s	AML	AML				
CTL8	comp=N,3400µm,0.6s	AML	AML				
CTL8	comp=E,1025µm,0.7s	AML	AML				
CTL8	comp=N,560µm,0.6s	AML	AML				
CTL8	comp=N,560µm,0.6s	AML	AML				
CTL8	comp=E,2510µm,1.2s	AML	AML				
CTL8	comp=N,3395µm,0.6s	AML	AML				
CTL8	comp=E,1025µm,0.7s	AML	AML				
CTL8	comp=N,560µm,0.6s	AML	AML				
CTL8	comp=N,3395µm,0.6s	AML	AML				
CTL8	comp=E,1025µm,0.7s	AML	AML				
CTL8	comp=N,560µm,0.6s	AML	AML				
CGRP	<b>Cima Grappa</b>	<b>1.09 26</b>	ePg	Pb	<b>02 52 32.6</b>	<b>+0.2</b>	
CGRP	<b>Cima Grappa</b>	<b>1.09 26</b>	ePg	Pb	<b>02 52 32.6</b>	<b>+0.2</b>	
CGRP	<b>Cima Grappa</b>	<b>1.09 26</b>	ePg	Pb	<b>02 52 32.6</b>	<b>+0.2</b>	
CGRP	<b>Cima Grappa</b>	<b>1.09 26</b>	ePg	Pb	<b>02 52 32.6</b>	<b>+0.2</b>	
CGRP	<b>Cima Grappa</b>	<b>1.09 26</b>	ePg	Pb	<b>02 52 32.6</b>	<b>+0.2</b>	
CGRP	<b>Cima Grappa</b>	<b>1.09 26</b>	ePg	Pb	<b>02 52 32.6</b>	<b>+0.2</b>	
CGRP	comp=N,560µm,0.6s	AML	AML				
CGRP	comp=N,2210µm,0.7s	AML	AML				
CGRP	comp=E,1485µm,0.6s	AML	AML				
CGRP	comp=N,2210µm,0.7s	AML	AML				
CGRP	comp=N,2210µm,0.7s	AML	AML				
CGRP	comp=N,2210µm,0.7s	AML	AML				
MAIM	<b>Mastiano</b>	<b>1.09 204</b>	P	Pg	<b>02 52 32.9</b>	<b>+0.1</b>	
MAIM	<b>Mastiano</b>	<b>1.09 204</b>	P	Pg	<b>02 52 32.9</b>	<b>+0.1</b>	
MAIM	comp=N,1370µm,0.6s	AML	AML				
MAIM	comp=N,1370µm,0.6s	AML	AML				
MAIM	comp=N,1370µm,0.6s	AML	AML				
MAIM	comp=N,1370µm,0.6s	AML	AML				

MAIM	comp=E,707µm,0.7s	AML	AML				
MAIM	comp=N,1370µm,0.6s	AML	AML				
RNI	<b>Roncone</b>	<b>1.12 343</b>	ePg	Pb	<b>02 52 32.6</b>	<b>-0.4</b>	
RNI	<b>Roncone</b>	<b>1.12 343</b>	ePg	Pb	<b>02 52 32.7</b>	<b>-0.4</b>	
CRMI	<b>Carmignano</b>	<b>1.12 185</b>	P	Pg	<b>02 52 33.6</b>	<b>+0.2</b>	
CRMI	<b>Carmignano</b>	<b>1.12 185</b>	P	Pg	<b>02 52 33.6</b>	<b>+0.2</b>	
CRMI	comp=E,862µm,0.4s	AML	AML				
CRMI	comp=N,524µm,0.5s	AML	AML				
CRMI	comp=N,524µm,0.5s	AML	AML				
CRMI	comp=N,524µm,0.5s	AML	AML				
CRMI	comp=N,524µm,0.5s	AML	AML				
CRMI	comp=N,524µm,0.5s	AML	AML				
PANI	<b>Panarotta</b>	<b>1.15 8</b>	ePg	Pb	<b>02 52 33.1</b>	<b>-0.5</b>	
PANI	<b>Panarotta</b>	<b>1.15 8</b>	ePg	Pb	<b>02 52 33.1</b>	<b>-0.5</b>	
PANI	<b>Panarotta</b>	<b>1.15 8</b>	ePg	Pb	<b>02 52 33.1</b>	<b>-0.5</b>	
PANI	<b>Panarotta</b>	<b>1.15 8</b>	ePg	Pb	<b>02 52 33.1</b>	<b>-0.5</b>	
CTI	<b>Castel Tesino</b>	<b>1.20 18</b>	P	Pn	<b>02 52 34.3</b>	<b>+0.1</b>	
CTI	<b>Castel Tesino</b>	<b>1.20 18</b>	P	Pn	<b>02 52 34.3</b>	<b>+0.1</b>	
CTI	comp=E,3220µm,0.8s	AML	AML				
CTI	comp=N,2845µm,0.4s	AML	AML				
CTI	comp=E,3220µm,0.8s	AML	AML				
CTI	comp=N,2845µm,0.4s	AML	AML				
CTI	comp=E,3220µm,0.8s	AML	AML				
CTI	comp=N,2845µm,0.4s	AML	AML				
ASQU	<b>Asqua</b>	<b>1.22 156</b>	P	Pb	<b>02 52 34.8</b>	<b>+0.2</b>	
ASQU	<b>Asqua</b>	<b>1.22 156</b>	P	Pb	<b>02 52 34.8</b>	<b>+0.2</b>	
ASQU	comp=E,764µm,0.5s	AML	AML				
ASQU	comp=N,882µm,0.5s	AML	AML				
ASQU	comp=E,764µm,0.5s	AML	AML				
ASQU	comp=N,881µm,0.5s	AML	AML				
ASQU	comp=E,764µm,0.5s	AML	AML				
PLMA	<b>Palmaria, Port</b>	<b>1.25 227</b>	P	Pg	<b>02 52 35.5</b>	<b>-0.2</b>	
PLMA	<b>Palmaria, Port</b>	<b>1.25 227</b>	P	Pg	<b>02 52 35.5</b>	<b>-0.2</b>	
PLMA	comp=E,1485µm,0.4s	AML	AML				
PLMA	comp=N,940µm,0.6s	AML	AML				
PLMA	comp=E,1485µm,0.4s	AML	AML				
PLMA	comp=N,940µm,0.6s	AML	AML				
PLMA	comp=E,1485µm,0.4s	AML	AML				
PLMA	comp=N,940µm,0.6s	AML	AML				
MSSA	<b>Maissana</b>	<b>1.28 243</b>	P	Pg	<b>02 52 36.9</b>	<b>+0.5</b>	
MSSA	<b>Maissana</b>	<b>1.28 243</b>	P	Pg	<b>02 52 36.9</b>	<b>+0.5</b>	
MSSA	comp=E,587µm,1.6s	AML	AML				
MSSA	comp=N,677µm,1.2s	AML	AML				
MSSA	comp=N,677µm,1.2s	AML	AML				
MSSA	comp=E,587µm,1.6s	AML	AML				
MSSA	comp=N,678µm,1.2s	AML	AML				
MSSA	comp=N,678µm,1.2s	AML	AML				
YARN	<b>Col Varnada, M</b>	<b>1.29 33</b>	ePg	Pn	<b>02 52 36.0</b>	<b>+0.6</b>	
YARN	<b>Col Varnada, M</b>	<b>1.29 33</b>	ePg	Pn	<b>02 52 36.0</b>	<b>+0.6</b>	
CSNT	<b>Castellina Chi</b>	<b>1.44 175</b>	P	Pn	<b>02 52 37.4</b>	<b>-0.1</b>	
CSNT	<b>Castellina Chi</b>	<b>1.44 175</b>	P	Pn	<b>02 52 37.4</b>	<b>-0.1</b>	
CSNT	comp=E,318µm,0.7s	AML	AML				
CSNT	comp=N,465µm,0.6s	AML	AML				
CSNT	comp=E,318µm,0.7s	AML	AML				
CSNT	comp=N,465µm,0.6s	AML	AML				
CSNT	comp=E,318µm,0.7s	AML	AML				
CSNT	comp=N,465µm,0.6s	AML	AML				
POLC	<b>Polcenigo</b>	<b>1.49 41</b>	AML	AML			
POLC	comp=E,1110µm,0.5s	AML	AML				
POLC	comp=N,1870µm,0.5s	AML	AML				
POLC	comp=E,1110µm,0.5s	AML	AML				
POLC	comp=N,1870µm,0.5s	AML	AML				
POLC	comp=N,1870µm,0.5s	AML	AML				
OZOL	<b>Ozolo</b>	<b>1.50 359</b>	ePg	Pn	<b>02 52 38.9</b>	<b>+0.6</b>	
OZOL	<b>Ozolo</b>	<b>1.50 359</b>	ePg	Pn	<b>02 52 38.9</b>		

SBF	comp=E, 139nm, 0.5s	eSn	Sn	02 53 31.9 +1.3
SBF	Sospel	2.83 250 ePn	Pn	02 52 57.3 +0.7
SBF	comp=E, 69nm, 0.5s	eSn	Pn	02 53 31.9 +1.3
LUCF	Luceran	2.88 251 P	Pn	02 52 58.0 +0.7
LUCF	Luceran	2.88 251 S	Sb	02 53 35.8 -2.3
LUCF	Luceram	2.88 251 P	Pn	02 52 59.0 +1.6
ESCA	L'Escarene	2.89 249 P	Pn	02 52 58.8 +1.5
ESCA	L'Escarene	2.89 249 P	Pn	02 52 58.8 +1.5
MBDF	Montbardon	3.09 268 ePn	Pn	02 53 00.3 +0.8
MBDF	Montbardon	3.09 268 ePn	Pn	02 53 00.3 +0.8
SURF	Saint Ours	3.09 264 P	Pn	02 53 01.1 +0.8
SURF	Saint Ours	3.09 264 P	Pn	02 53 01.1 +0.8
SURF	Sampolo	3.11 206 P	Pn	02 53 01.1 +0.8
SMPL	Sampolo	3.11 206 P	Pn	02 53 01.1 +0.8
SMPL	Sampolo	3.11 206 P	Pn	02 53 01.1 +0.8
LPG	La Plagne	3.13 282 ePn	Pn	02 53 02.5 +1.5
LPG	La Plagne	3.13 282 ePn	Pn	02 53 02.5 +1.5
LPL	La Plagne	3.15 283 ePn	Pn	02 53 02.9 +1.8
LPL	La Plagne	3.15 283 ePn	Pn	02 53 02.9 +1.8
CAF	Calern	3.22 250 P	Pn	02 53 03.0 +1.1
CALF	Calern	3.22 250 S	Sb	02 53 42.9 +2.8
CALF	Calern	3.22 250 P	Pn	02 53 03.0 +1.1
FRF	La Foret Royal	3.48 249 ePn	Pn	02 53 05.9 +0.5
FRF	La Foret Royal	3.48 249 eSn	Sn	02 53 47.1 +0.7
FRF	La Foret Royal	3.48 249 ePn	Pn	02 53 05.9 +0.5
FRF	La Foret Royal	3.48 249 eSn	Sn	02 53 47.1 +0.7
FELD	comp=E, 12nm, 0.2s	3.66 325 P	Pn	02 53 09.1 +1.1
FELD	Feldberg im Sc	3.66 325 P	Pn	02 53 09.1 +1.1
MOA	Molin	3.66 36 ePn	Pn	02 53 09.8 +1.8
MOA	Molin	3.66 36 Pn	Pn	02 53 09.8 +1.8
LMR	La Mourre	3.67 246 ePn	Pn	02 53 08.3 +0.3
LMR	La Mourre	3.67 246 eSn	Sn	02 53 50.5 -0.5
LMR	La Mourre	3.67 246 ePn	Pn	02 53 08.3 +0.3
LMR	La Mourre	3.67 246 eSn	Sn	02 53 50.5 -0.5
ORIF	Oris-en-Rattie	3.71 272 ePn	Pn	02 53 10.3 +1.6
ORIF	Oris-en-Rattie	3.71 272 P	Pn	02 53 10.3 +1.6
ORIF	Oris-en-Rattie	3.71 272 P	Pn	02 53 10.3 +1.6
KIZ	Kirchzarten	3.76 329 P	Pn	02 53 10.2 +0.9
KIZ	Kirchzarten	3.76 329 P	Pn	02 53 10.2 +0.9
LOMF	Lomont	3.85 311 P	Pn	02 53 12.1 +1.5
LOMF	Lomont	3.85 311 P	Pn	02 53 12.1 +1.5
CHMF	Charmoille	3.88 309 P	Pn	02 53 12.6 +1.6
CHMF	Charmoille	3.88 309 P	Pn	02 53 12.6 +1.6
CABF	La Chapelle	3.90 298 ePn	Pn	02 53 12.6 +1.3
CABF	La Chapelle	3.90 298 eSn	Sn	02 53 12.6 +1.3
CABF	La Chapelle	3.90 298 ePn	Pn	02 53 12.6 +1.3
MOF	Molkenrain	4.03 318 P	Pn	02 53 14.9 +1.9
MOF	Molkenrain	4.03 318 P	Pn	02 53 14.9 +1.9
BSTF	des Bastide-des	4.05 257 P	Pn	02 53 15.4 +2.1
OG35	Corcelles	4.05 288 P	Pn	02 53 14.9 +1.5
OG35	Corcelles	4.05 288 P	Pn	02 53 14.9 +1.5
SMRF	Simiane la Rot	4.07 259 ePn	Pn	02 53 15.1 +1.5
SMRF	Simiane la Rot	4.07 259 ePn	Pn	02 53 15.1 +1.5
OPP	Oppenau	4.11 332 P	Pn	02 53 14.9 +0.8
OPP	Oppenau	4.11 332 P	Pn	02 53 14.9 +0.8
HINF	Hinteralfeld	4.14 316 ePn	Pn	02 53 14.9 +0.4
HINF	Hinteralfeld	4.14 316 eSn	Sn	02 54 02.7 0.0
HINF	Hinteralfeld	4.14 316 ePn	Pn	02 53 14.9 +0.4
HINF	Hinteralfeld	4.14 316 eSn	Sn	02 54 02.7 0.0
GERES	GERESS Array B	4.32 23 Pn	Pn	02 53 17.4 +0.4
GERES	comp=E, 0.7nm, 0.3s, baz=200, slow=14, SNR=6.1		Pg	02 53 33.7 -0.8
GERES	comp=E, 1.8nm, 0.3s, baz=215, slow=15, SNR=8.3		Pg	02 54 06.5 -0.7
GERES	comp=E, 2.5nm, 0.3s, baz=201, slow=28, SNR=4.9		Lg	02 54 31.3
GERES	comp=E, 3.7nm, 0.3s, baz=211, slow=30, SNR=5.1		Lg	02 53 17.9 0.0
CDF	Champ du Feu	4.38 324 ePn	Pn	02 54 09.0 +0.2
CDF	Champ du Feu	4.38 324 eSn	Sn	02 54 09.0 +0.2
CDF	Champ du Feu	4.38 324 ePn	Pn	02 53 17.9 0.0
CDF	Champ du Feu	4.38 324 eSn	Sn	02 54 09.0 +0.2
HAU	Haudompre	4.52 315 ePn	Pn	02 53 20.2 +0.5
HAU	Haudompre	4.52 315 eSn	Sn	02 54 12.6 +0.6
HAU	Haudompre	4.52 315 ePn	Pn	02 53 20.2 +0.5
HAU	Haudompre	4.52 315 eSn	Sn	02 54 12.6 +0.6
KHC	Kasperske Hory	4.55 21 ePn	Pn	02 53 21.2 +1.1
KHC	Kasperske Hory	4.55 21 ex	x	02 53 33.4 -1.1
KHC	Kasperske Hory	4.55 21 eSn	Sn	02 54 11.3 -1.5
KHC	Kasperske Hory	4.55 21 eSg	Sg	02 54 36.3 -1.4
KHC	Kasperske Hory	4.55 21 Pn	Pn	02 53 21.2 +1.1
KHC	Kasperske Hory	4.55 21 Sn	Sn	02 54 11.3 -1.5
KHC	Kasperske Hory	4.55 21 Sg	Sg	02 54 36.3 -1.4
VIVF	Saint-Julien-I	4.57 272 ePn	Pn	02 53 20.7 +0.2
VIVF	Saint-Julien-I	4.57 272 ePn	Pn	02 53 20.7 +0.2
LANF	Langenberg	4.66 332 P	Pn	02 53 22.2 +0.6
LANF	Langenberg	4.66 332 P	Pn	02 53 22.2 +0.6
THEF	They Montfort	4.84 315 P	Pn	02 53 25.8 +1.6
THEF	They Montfort	4.84 315 P	Pn	02 53 25.8 +1.6
PAGF	Fort de Pagny	5.19 316 ePn	Pn	02 53 30.3 +1.3
PAGF	Fort de Pagny	5.19 316 eSn	Sn	02 54 28.1 -0.5
PAGF	Fort de Pagny	5.19 316 ePn	Pn	02 53 30.3 +1.3
PAGF	Fort de Pagny	5.19 316 eSn	Sn	02 54 28.1 -0.5
LASF	Site Croix	5.25 263 ePn	Pn	02 53 29.7 -0.1
LASF	Site Croix	5.25 263 ePn	Pn	02 53 29.7 -0.1
SFTF	Sextfontaines	5.33 310 ePn	Pn	02 53 31.8 +1.0
SFTF	Sextfontaines	5.33 310 eSn	Sn	02 54 30.2 -1.7
SFTF	Sextfontaines	5.33 310 ePn	Pn	02 53 31.8 +1.0
SFTF	Sextfontaines	5.33 310 eSn	Sn	02 54 30.2 -1.7
SMF	Signal de Mont	5.37 291 ePn	Pn	02 53 32.2 +0.8
SMF	Signal de Mont	5.37 291 ePn	Pn	02 53 32.2 +0.8
MODS	Modra-Piesok	5.48 49 ePn	Pn	02 53 32.4 -0.4
MODS	Modra-Piesok	5.48 49 eSn	Sn	02 54 32.6 -3.2
MODS	Modziszewski	5.48 49 eSg	Sg	02 55 16.1 +8.5
MEZF	Maizieres J'vi	5.50 313 ePn	Pn	02 53 34.8 +1.6
MEZF	Maizieres J'vi	5.50 313 eSn	Sn	02 54 36.9 +0.8
MEZF	Maizieres J'vi	5.50 313 ePn	Pn	02 53 34.8 +1.6
MEZF	Maizieres J'vi	5.50 313 eSn	Sn	02 54 36.9 +0.8
LOR	Lormes	5.56 298 ePn	Pn	02 53 34.1 0.0
LOR	Lormes	5.56 298 eSn	Sn	02 54 37.2 -0.6
LOR	Lormes	5.56 298 ePn	Pn	02 53 34.1 0.0
LOR	Lormes	5.56 298 eSn	Sn	02 54 37.2 -0.6
PRU	Pruhonice	5.59 23 eSg	Sg	02 55 09.1 -1.9
PRU	Pruhonice	5.59 23 Sg	Sg	02 55 09.1 -1.9
SSF	Saint Sauve	5.72 295 ePn	Pn	02 53 36.7 +0.5
SSF	Saint Sauve	5.72 295 ePn	Pn	02 53 36.7 +0.5
AGO	Saint Agoulin	5.72 284 P	Pn	02 53 36.7 +0.4
AGO	Saint Agoulin	5.72 284 P	Pn	02 53 36.6 +0.4
AVF	Avril sur Loir	5.73 292 ePn	Pn	02 53 37.1 +0.7
AVF	Avril sur Loir	5.73 292 ePn	Pn	02 53 37.1 +0.7
VRAC	Vranov	5.78 38 ePn	Pn	02 55 19.1
VRAC	Vranov	5.78 38 eSg	Sg	02 55 16.4 -0.6
BGF	Bois d'Agland	6.01 289 ePn	Pn	02 53 41.2 +1.0
BGF	Bois d'Agland	6.01 289 ePn	Pn	02 53 41.2 +1.0
BRG	Bergglieshubel	6.26 17 eSg	Sg	02 55 33.2 +0.6
HYF	Humbigny	6.34 295 ePn	Pn	02 53 46.0 +1.2
HYF	Humbigny	6.34 295 ePn	Pn	02 53 46.0 +1.2
TCF	Toux Ste Croi	6.39 286 ePn	Pn	02 53 46.3 +0.8
TCF	Toux Ste Croi	6.39 286 ePn	Pn	02 53 46.3 +0.8
CAF	Calviac	6.42 273 ePn	Pn	02 53 46.7 +0.8
CAF	Calviac	6.42 273 ePn	Pn	02 53 46.7 +0.8
DPC	Dobruska-Polom	6.48 31 eSb	Sg	02 55 38.2 -1.5
DPC	Dobruska-Polom	6.48 31 Sg	Sg	02 55 38.2 -1.5
DPC	Dobruska-Polom	6.48 31 Sg	Sg	02 55 38.2 -1.5

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COLL	comp=E, 17nm, 1.1s	6.53 11 ePn	Pn	02 53 47.0 -0.2
COLL	comp=E, 17nm, 1.1s	6.53 11 eSg	Sg	02 55 39.0 -2.0
MORC	Moravsky Berou	6.54 40 eSg	Sg	02 55 41.7 +0.1
MTLF	Montlieu	6.59 259 ePn	Pn	02 53 51.5 +3.4
MTLF	Montlieu	6.59 259 ePn	Pn	02 53 51.5 +3.4
MFF	Saint Martin d	8.05 286 ePn	Pn	02 54 08.7 +0.5
MFF	Saint Martin d	8.05 286 ePn	Pn	02 54 08.7 +0.5
FINES	FINES Array B	18.75 23 P	P	02 56 30.3 +0.4
TORD	Torodi Ar. Bea	32.66 197 P	P	02 58 41.6 -1.8
TORD	comp=Z, 0.3nm, 0.7s, baz=13, slow=8.5, SNR=5.7			

ROM 20 02:57:28.0:0.1, 4.4:96N:0.006:11:17E:0'01, h5km, ML3, 02/25

ISCJB 20 02:57:30.9:0.3, 4.4:96N:0'02:11:18E:0'03, h10km, 2km, Error ellipse: s-maj=3.4km s-min=2.5km az=10.3

CSEAM 20 02:57:31.5:0.1, 4.4:93N:11:27E, h10km, ML2, 8/15, Error ellipse: s-maj=3.0km s-min=2.3km az=113.0

VIE 20 02:57:31.4:0.5, 4.4:99N:11:15E, h10km, mb2.6/7, m3.0/10, Error ellipse: s-maj=8.0km s-min=2.6km

ISC 20 02:57:31.8:0.9, 44:93N:10:01:11:20E:0'02, h10km, 6km, n186, s117/222, 1C, Northern Italy

Code	Station Name	Δ°	AZ°	Phase D	ISC	Time	Res
SERM	Sermide	0.12	35°	P	Pg	02 57 34.6	-0.1
SERM	Sermide	0.12	35°	P	Pg	02 57 34.6	-0.1
SERM	Sermide	0.12	35°	P	Pg	02 57 34.6	-0.1
SERM	comp=E, 5360μm, 0.8s			AML	AML		
SERM	comp=N, 7040μm, 0.3s			AML	AML		
RAVA	Ravarino	0.17	201°	S	Pg	02 57 37.9	-0.1
RAVA	Ravarino	0.17	201°	P	Sg	02 57 34.0	-1.5
RAVA	Ravarino			AML	Sg	02 57 37.9	-0.1
RAVA	Ravarino			AML	AML		
RAVA	Ravarino			AML	AML		
RAVA	Ravarino			AML	AML		
RAVA	Ravarino			AML	AML		
RAVA	Ravarino			AML	AML		
RAVA	Ravarino			AML	AML		
RAVA	Ravarino			AML	AML		
S.Benedetto	Po	0.24	304°	P	Pg	02 57 37.3	+0.5
S.Benedetto	Po	0.24	304°	P	Pg	02 57 37.3	+0.5
MODE	Modena	0.34	213°	P	Pg	02 57 38.2	-0.3
MODE	Modena	0.34	213°	P	Pg	02 57 38.1	-0.3
FIU	Minerbio Fiu	0.34	143°	P	Pg	02 57 38.6	0.0
FIU	Minerbio Fiu	0.34	143°	P	Pg	02 57 38.6	0.0
FIU	comp=E, 7195μm, 0.6s			AML	AML		
FIU	comp=N, 6555μm, 1.4s			AML	AML		
FIU	comp=E, 7190μm, 0.6s			AML	AML		
FIU	comp=N, 6555μm, 1.4s			AML	AML		
FIU	comp=N, 6555μm, 1.4s			AML	AML		
FIU	comp=E, 7190μm, 0.6s			AML	AML		
NOVE	Novellara	0.36	252°	P	Pg	02 57 38.4	-0.6
NOVE	Novellara	0.36	252°	S	Sb	02 57 46.7	+0.6
NOVE	Novellara	0.36	252°	P	Pg	02 57 38.4	-0.6
OPPE	Oppeano	0.40	357°	P	Pg	02 57 39.0	-0.6
OPPE	Oppeano	0.40	357°	P	Pg	02 57 40.0	+0.4
OPPE	Oppeano	0.40	357°	P	Pg	02 57 39.0	-0.6
TEOL	Teolo	0.56	36°	ePg	Pg	02 57 42.2	-0.5
TEOL	Teolo	0.56	36°	P	Pg	02 57 42.1	-0.5
TEOL	Teolo	0.56	36°	P	Pg	02 57 42.1	-0.5
TEOL	Teolo	0.56	36°	P	Pg	02 57 42.1	-0.5
TEOL	Teolo	0.56	36°	AML	AML		
TEOL	comp=E, 3960μm, 1.0s			AML	AML		
TEOL	comp=N, 3605μm, 1.6s			AML	AML		
TEOL	comp=E, 5345μm, 0.7s			AML	AML		
TEOL	comp=N, 3600μm, 1.6s			AML	AML		
TEOL	comp=N, 3605μm, 1.6s			AML	AML		
TEOL	comp=N, 3605μm, 1.6s			AML	AML		
MTRZ	Monterenzo	0.57	161°	P	Pb	02 57 44.5	+0.6
MTRZ	Monterenzo	0.57	161°	P	Pb	02 57 44.5	+0.6
ZOVE	Zovencedo	0.58	20°	P	Pg	02 57 42.7	-0.3
ZOVE	Zovencedo	0.58	20°	P	Pg	02 57 42.7	-0.3
ZCCA	Zocca	0.59	196°	P	Pg	02 57 43.3	+0.1
ZCCA	Zocca	0.59	196°	P	Pg	02 57 43.3	+0.1
ZCCA	Zocca	0.59	196°	P</			

20d 2h

2012 MAY

1114

Table with columns for station name, elevation, and various data points. Includes stations like CRMI, PANI, RNI, ASQU, VARN, PLMA, MSSA, CAE, POLC, CSNT, AGOR, PESA, CARE, KOSI, APPI, BRMO, and ATBU.

Table with columns for station name, elevation, and various data points. Includes stations like MOSI, ABSI, ROSI, ABTA, SKDS, QLNO, RISI, FETA, FINB, JAVS, FDMO, WTTA, MYKA, MOTA, WATA, NRCA, RETA, KBA, OBKA, PGF, SBF, BOJS, MBDF, LPG, LPL, FRF, MOA, LMR, LRF, ORIF, CABF, CDF, and CDF.

Table with columns for station name, elevation, and various data points. Includes stations like KHC, HAU, VIVF, PAGF, LASF, SFTF, MODS, SMF, MEZF, SMOL, LOR, SSF, AVF, BGF, HYF, TCF, CAF, and ZCCA.

LDG 20 02:57:43.1±0.7, 44:96N; 10:37E, h2km, M12, 7/17, Error
ROM 20 02:57:47.8±0.2, 44:85N; 11:26E, h6km, ML3.2/69
CSEM 20 02:57:47.8, 44:85N; 11:26E, h6km, ML3.2/69
ISC 20 02:57:50.5±0.9, 44:87N; 10:02-11:24E, h13km, 6km, n60, e093/39, Northern Italy

Table with columns for Code, Station Name, Elevation, Phase ID, and various data points. Includes stations like SERM, RAVA, MODE, NOV, ZCCA, and others.













20D 3h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like Oppenau, Hinteralfeld, and various stations in the Alps.

2012 MAY

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like ZST, MRVN, CDRU, and various stations in the Alps.

1120

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like Bois d'Agland, Niksic, and various stations in the Alps.

Main table containing station call signs, frequencies, and signal strength indicators. Includes sub-headers for various regions like BCLA, RJF, HGN, etc.

20d 3h

2012 MAY

1122

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like ALMR, PBEJ, FETY, NCS602, PVAO, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like KIV, KVAR, GOF, KBZ, KLMR, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like BVAR, SFJD, DBIC, TIC, etc.

Table with columns: WMO, Name, Comp, Az, El, P, S, Max, Min, Diff, etc. Includes stations like NDI New Delhi, PKME Peaks-Kenny Pk, etc.

Table with columns: GTA, Name, Comp, Az, El, P, S, Max, Min, Diff, etc. Includes stations like GTA comp=Z,640nm,17.8s, M54A Oil Creek Stat, etc.

Table with columns: J42A, Name, Comp, Az, El, P, S, Max, Min, Diff, etc. Includes stations like J42A Columbus, L44A Lake County Fo, etc.



20d 3h

Table with 5 columns: Call Sign, Name, Frequency, Power, and other metrics. Includes entries like COLA College, P45A Sand Creek, L39A Vinton, etc.

2012 MAY

Table with 5 columns: Call Sign, Name, Frequency, Power, and other metrics. Includes entries like 151A Opelika, BJT Baijatiuu, O37A Wolves Farm, etc.

1124

Table with 5 columns: Call Sign, Name, Frequency, Power, and other metrics. Includes entries like W41B Gary Mavity, Y43A Makalya and Ka, WRAK Wrangell Islan, etc.

# 1125

# 2012 MAY

# 20 3h

Code	Station Name	$\Delta^\circ$	AZ $^\circ$	Phase ID	ISC	Time	Res	ISC
PEAOB	Petrovopavlovsk- comp=Z,280nm,0.9s,baz=29,slow=3.4,SNR=20	78.29	20	eP	P	03 14 51.5	+2.3	P
PETK	comp=Z,18nm,1.4s	78.29	20	eP	P	03 14 49.2	0.0	P
ISCO	comp=Z,7.07nm,19.0s,baz=306,slow=99	78.36	315	eP	LR	03 04 59.8		LR
ISCO	comp=Z,40,SNR=12	78.36	315	eP	P	03 14 50.5	+1.2	P
ISCO	comp=Z,19nm,1.4s	78.36	315	eP	P	03 14 51.5	+1.2	P
ISCO	comp=Z,18nm,1.4s	78.41	78	eP	P	03 14 51.9	+1.5	P
PBKT	comp=Z,16nm,1.4s	78.41	78	eP	P	03 14 51.9	+1.5	P
PBKT	comp=Z,16nm,1.4s	78.41	78	eP	P	03 14 51.9	+1.5	P
A04D	comp=Z,16nm,1.4s	78.43	321	eP	P	03 14 50.4	+0.4	P
D08A	comp=Z,33nm,1.4s	78.46	328	eP	P	03 14 51.9	+1.6	P
WMOK	comp=Z,33nm,1.4s	78.50	308	eP	P	03 14 51.4	+0.7	P
WMOK	comp=Z,15nm,1.0s	78.50	308	eP	P	03 14 51.4	+0.7	P
WMOK	comp=Z,15nm,1.0s	78.50	308	eP	P	03 14 51.4	+0.7	P
WMOK	comp=Z,15nm,1.0s	78.50	308	eP	P	03 14 51.4	+0.7	P
F10A	comp=Z,21nm,1.1s	78.69	326	eP	P	03 14 52.5	+0.7	P
PGC	comp=Z,41nm,1.6s	78.75	331	eP	P	03 14 52.5	+0.7	P
Q24A	comp=Z,34nm,1.3s	78.77	315	eP	P	03 14 53.4	+0.9	P
Q24A	comp=Z,34nm,1.3s	78.77	315	eP	P	03 14 53.4	+0.9	P
YSS	comp=Z,7.2nm,0.7s	79.14	31	eP	P	03 14 54.9	+0.9	P
YSS	comp=Z,7.2nm,0.7s	79.14	31	eP	P	03 14 54.7	+0.7	P
YSS	comp=Z,7.2nm,0.7s	79.14	31	eP	P	03 14 54.7	+0.7	P
NJ2	comp=Z,21nm,1.1s	79.21	55	eP	P	03 14 55.3	+0.7	P
O20A	comp=Z,21nm,1.1s	79.21	55	eP	P	03 14 55.3	+0.7	P
O20A	comp=Z,21nm,1.1s	79.21	55	eP	P	03 14 55.3	+0.7	P
HLID	comp=Z,21nm,1.1s	79.50	323	eP	P	03 14 55.6	-0.7	P
HLID	comp=Z,21nm,1.1s	79.50	323	eP	P	03 14 55.6	-0.7	P
SMCO	comp=Z,23nm,1.5s	79.52	326	eP	P	03 14 57.9	+1.6	P
BMO	comp=Z,23nm,1.5s	79.52	326	eP	P	03 14 57.9	+1.6	P
BMO	comp=Z,23nm,1.5s	79.52	326	eP	P	03 14 57.9	+1.6	P
BMO	comp=Z,23nm,1.5s	79.52	326	eP	P	03 14 57.9	+1.6	P
T25A	comp=Z,37nm,1.1s	79.77	313	eP	P	03 14 58.3	+0.4	P
T25A	comp=Z,37nm,1.1s	79.77	313	eP	P	03 14 58.3	+0.4	P
Lon	comp=Z,25nm,1.5s	79.79	329	eP	P	03 14 58.7	+1.1	P
Lon	comp=Z,25nm,1.5s	79.79	329	eP	P	03 14 58.7	+1.1	P
Lon	comp=Z,25nm,1.5s	79.79	329	eP	P	03 14 58.7	+1.1	P
HWUT	comp=Z,24nm,1.3s	79.81	320	eP	P	03 14 59.0	+1.0	P
SDCO	comp=Z,24nm,1.3s	79.81	320	eP	P	03 14 59.0	+1.0	P
SDCO	comp=Z,24nm,1.3s	79.81	320	eP	P	03 14 59.0	+1.0	P
SDCO	comp=Z,24nm,1.3s	79.81	320	eP	P	03 14 59.0	+1.0	P
MHTCO	comp=Z,24nm,1.3s	79.81	320	eP	P	03 14 59.0	+1.0	P
KSAR	comp=Z,24nm,1.3s	80.18	46	eP	P	03 14 59.8	0.0	P
KSAR	comp=Z,24nm,1.3s	80.18	46	eP	P	03 14 59.8	0.0	P
KSAR	comp=Z,24nm,1.3s	80.18	46	eP	P	03 14 59.8	0.0	P
KSAR	comp=Z,24nm,1.3s	80.18	46	eP	P	03 14 59.8	0.0	P
KSR5	comp=Z,24nm,1.3s	80.18	46	eP	P	03 14 59.8	0.0	P
KSR5	comp=Z,24nm,1.3s	80.18	46	eP	P	03 14 59.8	0.0	P
KSR5	comp=Z,24nm,1.3s	80.18	46	eP	P	03 14 59.8	0.0	P
KSR5	comp=Z,24nm,1.3s	80.18	46	eP	P	03 14 59.8	0.0	P
MFID	comp=Z,23nm,1.5s	80.26	303	eP	P	03 15 00.7	+0.6	P
HKT	comp=Z,23nm,1.5s	80.26	303	eP	P	03 15 01.0	+0.7	P
HKT	comp=Z,23nm,1.5s	80.26	303	eP	P	03 15 01.0	+0.7	P
HKT	comp=Z,23nm,1.5s	80.26	303	eP	P	03 15 01.0	+0.7	P
ABTX	comp=Z,33nm,1.6s	80.54	307	eP	P	03 15 03.9	+2.0	P
S22A	comp=Z,33nm,1.6s	80.55	315	eP	P	03 15 02.5	+0.3	P
S22A	comp=Z,33nm,1.6s	80.55	315	eP	P	03 15 02.5	+0.3	P
S22A	comp=Z,33nm,1.6s	80.55	315	eP	P	03 15 02.5	+0.3	P
S22A	comp=Z,33nm,1.6s	80.55	315	eP	P	03 15 02.5	+0.3	P
TJN	comp=Z,19nm,1.4s	80.72	47	eP	P	03 15 06.0	+3.3	P
P18A	comp=Z,19nm,1.4s	80.76	318	eP	P	03 15 04.0	+0.7	P
PV15	comp=Z,7.4nm,1.1s	80.91	316	eP	P	03 15 07.1	+3.0	P
PV07	comp=Z,6.2nm,0.9s	80.92	316	eP	P	03 15 04.9	+0.8	P
BGU	comp=Z,8.3nm,0.9s	81.02	321	eP	P	03 15 05.9	+1.5	P
PV04	comp=Z,13nm,1.2s	81.08	316	eP	P	03 15 06.0	+1.2	P
PV09	comp=Z,31nm,1.4s	81.11	317	eP	P	03 15 06.3	+1.1	P
PV01	comp=Z,31nm,1.4s	81.11	317	eP	P	03 15 06.3	+1.1	P
MXST	comp=Z,5.5nm,1.1s	81.28	310	eP	P	03 15 06.0	+0.1	P
SRU	comp=Z,9.5nm,1.0s	81.30	318	eP	P	03 15 06.5	+0.5	P
SRU	comp=Z,9.5nm,1.0s	81.30	318	eP	P	03 15 06.5	+0.5	P
SRU	comp=Z,9.5nm,1.0s	81.30	318	eP	P	03 15 06.5	+0.5	P
PV05	comp=Z,21nm,1.5s	81.42	316	eP	P	03 15 08.7	+1.9	P
ASAJ	comp=Z,19nm,0.7s,baz=16,slow=2.8,SNR=5.9	81.47	33	eP	P	03 15 06.2	-0.4	P
ASAJ	comp=Z,19nm,0.7s,baz=16,slow=2.8,SNR=5.9	81.47	33	eP	P	03 15 06.2	-0.4	P
ASAJ	comp=Z,19nm,0.7s,baz=16,slow=2.8,SNR=5.9	81.47	33	eP	P	03 15 06.2	-0.4	P
ASAJ	comp=Z,19nm,0.7s,baz=16,slow=2.8,SNR=5.9	81.47	33	eP	P	03 15 06.2	-0.4	P
TMUT	comp=Z,5.8nm,1.0s	81.47	318	eP	P	03 15 08.3	+1.2	P
DUG	comp=Z,39nm,1.6s	81.50	320	eP	P	03 15 07.7	+0.6	P
DUG	comp=Z,39nm,1.6s	81.50	320	eP	P	03 15 07.7	+0.6	P
DUG	comp=Z,39nm,1.6s	81.50	320	eP	P	03 15 07.7	+0.6	P
DUG	comp=Z,39nm,1.6s	81.50	320	eP	P	03 15 07.7	+0.6	P
M0TC	comp=Z,6.0nm,1.0s	81.60	274	eP	P	03 15 06.9	-0.9	P
G03D	comp=Z,31,SNR=5.8	81.63	329	eP	P	03 15 08.5	+1.1	P
MVCO	comp=Z,7.1nm,1.0s	81.80	315	eP	P	03 15 09.5	+0.7	P
MVCO	comp=Z,7.1nm,1.0s	81.80	315	eP	P	03 15 09.5	+0.7	P
ZARC	comp=Z,8.9nm,1.3s	81.92	273	eP	P	03 15 09.3	-0.1	P
WVOR	comp=Z,5.5nm,1.1s	82.19	325	eP	P	03 15 10.9	+0.3	P
WVOR	comp=Z,5.5nm,1.1s	82.19	325	eP	P	03 15 10.9	+0.3	P
JCT	comp=Z,5.0nm,1.1s	82.21	306	eP	P	03 15 11.9	+1.1	P
JCT	comp=Z,5.0nm,1.1s	82.21	306	eP	P	03 15 11.2	+0.4	P
JCT	comp=Z,5.0nm,1.1s	82.21	306	eP	P	03 15 11.2	+0.4	P
JCT	comp=Z,5.0nm,1.1s	82.21	306	eP	P	03 15 11.2	+0.4	P
PTBC	comp=Z,23nm,1.4s	82.30	272	eP	P	03 15 08.2	-3.2	P
ANMO	comp=Z,20nm,1.8s	82.51	313	eP	P	03 15 12.8	+0.3	P
ANMO	comp=Z,20nm,1.8s	82.51	313	eP	P	03 15 12.8	+0.3	P
ANMO	comp=Z,20nm,1.8s	82.51	313	eP	P	03 15 12.8	+0.3	P
ANMO	comp=Z,20nm,1.8s	82.51	313	eP	P	03 15 12.8	+0.3	P
MSU	comp=Z,2.0nm,1.1s	82.55	319	eP	P	03 15 13.9	+1.2	P
MSU	comp=Z,2.0nm,1.1s	82.55	319	eP	P	03 15 13.9	+1.2	P
MTPU	comp=Z,2.0nm,1.1s	82.93	318	eP	P	03 15 16.4	+1.5	P
LPM	comp=Z,8.9nm,1.3s	83.09	312	eP	P	03 15 17.8	+2.2	P
BNN	comp=Z,8.9nm,1.3s	83.21	312	eP	P	03 15 17.7	+1.5	P
LAZ	comp=Z,8.9nm,1.3s	83.29	313	eP	P	03 15 18.0	+1.5	P
HELK	comp=Z,37nm,1.2s	83.30	272	eP	P	03 15 16.2	-0.8	P

Code	Station Name	$\Delta^\circ$	AZ $^\circ$	Phase ID	ISC	Time	Res	ISC
HELK	Santa Helena	83.30	272	eP	P	03 15 16.2	-0.8	P
HELK	Santa Helena	83.30	272	eP	P	03 15 15.9	-1.1	P
MOD	comp=Z,37nm,1.2s	83.31	326	eP	P	03 15 17.8	+1.3	P
PSUT	comp=Z,37nm,1.2s	83.32	320	eP	P	03 15 18.4	+1.7	P
ROSC	comp=Z,17nm,1.0s	83.38	270	eP	P	03 15 16.5	-1.0	P
ROSC	comp=Z,369nm,21.6s,baz=60,slow=32	83.47	34	eP	LR	03 46 48.2		LR
ERM	comp=Z,38nm,1.0s	83.47	34	eP	P	03 15 17.4	+0.4	P
ERM	comp=Z,38nm,1.0s	83.47	34	eP	P	03 15 17.4	+0.4	P
ERM	comp=Z,38nm,1.0s	83.47	34	eP	P	03 15 17.4	+0.4	P
ERM	comp=Z,38nm,1.0s	83.47	34	eP	P	03 15 17.4	+0.4	P
CCUT	comp=Z,14nm,1.1s	83.88	319	eP	P	03 15 21.2	+1.6	P
KNB	comp=Z,7.8nm,1.1s	84.06	318	eP	P	03 15 21.4	+1.0	P
KNB	comp=Z,7.8nm,1.1s	84.06	318	eP	P	03 15 21.4	+1.0	P
RREF	comp=Z,8.0nm,1.1s	84.07	271	eP	P	03 15 18.3	-3.0	P
R11A	comp=Z,8.0nm,1.1s	84.26	321	eP	P	03 15 22.3	+0.8	P
R11A	comp=Z,8.0nm,1.1s	84.26	321	eP	P	03 15 22.3	+0.8	P
R11A	comp=Z,8.0nm,1.1s	84.26	321	eP	P	03 15 22.3	+0.8	P
R11A	comp=Z,8.0nm,1.1s	84.26	321	eP	P	03 15 22.3	+0.8	P
LCMT	comp=Z,3.6nm,1.2s	84.26	318	eP	P	03 15 23.1	+1.6	P
YBH	comp=Z,1.9nm,0.8s,baz=87,slow=22,SNR=2.6	84.43	310	eP	P	03 15 21.9	-0.4	P
MNTX	comp=Z,29nm,1.8s	84.43	310	eP	P	03 15 22.0	-0.2	P
MNTX	comp=Z,29nm,1.8s	84.43	310	eP	P	03 15 22.0	-0.2	P
WUAZ	comp=Z,27nm,1.4s	84.56	316	eP	P	03 15 23.9	+0.9	P
WUAZ	comp=Z,27nm,1.4s	84.56	316	eP	P	03 15 23.9	+0.9	P
PRAC	comp=Z,2.8nm,0.8s	84.75	327	eP	P	03 15 23.4	-0.4	P
M02C	comp=Z,2.8nm,0.8s	84.75	327	eP	P	03 15 23.4	-0.4	P
PAHR	comp=Z,1.9nm,0.9s,baz=31	84.78	324	eP	P	03 15 25.7	+1.7	P
KVN	comp=Z,4.3nm,1.0s	84.79	323	eP	P	03 15 26.6	+2.5	P
KVN	comp=Z,4.3nm,1.0s	84.79	323	eP	P	03 15 26.6	+2.5	P
KVN	comp=Z,4.3nm,1.0s	84.79	323	eP	P	03 15 26.6	+2.5	P
N02D	comp=Z,4.0nm,1.0s	85.05	327	eP	P	03 15 25.3	0.0	P
BEKR	comp=Z,1.9nm,0.9s	85.05	325	eP	P	03 15 28.0	+2.6	P
12D1	comp=Z,7.6nm,1.5s	85.08	312	eP	P	03 15 25.8	+0.2	P
O03D	comp=Z,7.6nm,1.5s	85.28	326	eP	P	03 15 26.7	+0.3	P
TX31	comp=Z,4.9nm,0.9s,baz=62,slow=7.3,SNR=42	85.28	307	eP	P	03 15 27.6	+1.0	P
TXAR	comp=Z,4.9nm,0.9s,baz=62,slow=7.3,SNR=42	85						

Table with columns: Station Name, Code, Station Name, Δ°, AZ°, Op, Phase, ISC, h, m, s, ISC, Time, Res. Includes stations like Villacollemand, Bagnoli Di Lucca, Prato, Magasa, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase, ISC, h, m, s, ISC, Time, Res. Includes stations like Sermide, Ravarino, S.Benedetto Po, Modena, etc.

Table with columns: Station Name, Code, Station Name, Δ°, AZ°, Op, Phase, ISC, h, m, s, ISC, Time, Res. Includes stations like IMOL, PRMA, MARN, etc.

ROM 20 03:09:50.8±0.2, 44°90'N, 0°05'±11'21"E, 0°01', h6km, ML3.7/40
LDG 20 03:09:52.0±0.2, 44°94'N, 11°58'E, h2km, M13.5/24, Error ellipse: s-maj=4.8km s-min=2.9km az=91.0
IASPEI 20 03:09:53.7±0.8, 44°93'N, 0°02'±11'27"E, 0.02, h13km±5km, Error ellipse: s-maj=3.4km s-min=2.3km az=106.3, 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

ZCCA Zocca 0.61 201 P P 03 10 06.4 +0.5
ZCCA Zocca 0.61 201 P P 03 10 06.4 +0.5
IMOL Imola, Italy 0.65 149 P Pn 03 10 08.6 +0.4
IMOL Imola, Italy 0.65 149 P Pn 03 10 08.6 +0.4

IMOL comp=E,874µm,0.9s AML AML
IMOL comp=N,946µm,0.8s AML AML
IMOL comp=N,7145µm,0.9s AML AML
IMOL comp=N,946µm,0.8s AML AML

ISCJB 20 03:09:54.4±0.2, 44°92'N, 0°02'±11°19"E, 0.02, h25km±2km, mb3.7/2, Error ellipse: s-maj=2.8km s-min=2.4km az=37.8
CSEM 20 03:09:54.0±0.1, 44°93'N, 11°25'E, h10km, ML3.5/22, Error ellipse: s-maj=3.3km s-min=2.4km az=114.0
IDC 20 03:09:55.4±2.9, 44°86'N, 11°27'E, h32km±24km, mb3.4/2,



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MORC, CLL, TCF, CAF, KEST, TORO, MKAR, VNDA.

CSEM 20 03:14:05.5, 44.82N, 11.34E, h10km, ML3.0/10
ROM 20 03:14:05.5, 0.1, 44.817N, 11.343E, 0.006, h10km, M1.8/2.2D, Northern Italy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAVA, SERM, FIU, MODE, ZOVE, BRIS, ROVR, SALO, CGRP.

ROM 20 03:14:54.3, 0.1, 44.869N, 0.005, 11.37E, 0.01, h5km, ML2.8/32

CSEM 20 03:14:54.3, 44.87N, 11.37E, h5km, ML2.8/32

ISCJB 20 03:14:57.9, 0.4, 44.89N, 0.02, 11.41E, 0.05, h9km, 4km, Error ellipse: s-maj=5.5km s-min=3.5km az=2.5

ISC 20 03:14:56.7, 0.9, 44.89N, 0.02, 11.43E, 0.03, h16km, 6km, n71, c058770, Northern Italy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SERM, FIU, RAVA, IMOL, ZCCA, MAGA.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZCCA, BRIS, SANR, SEI, ERBM, SALO, PTF, POPM, BDI, CGRP, SFI, VLLC, MAGA.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MAGA, ASQU, CRMI, MAIM, MABI, PLMA, CSNT, AGOR, MSSA, ATMC, KOSI, PIEI, APPI, ATBU.





20d 3h

FINB comp=N,8µm,0.3s AML AML
FINB comp=E,258µm,0.3s AML AML

SKO 20 03:29:40.5,41'61N,20'15E,h0km,M1.5,ML1.8
TIR 20 03:29:41.9,41'48N,20'26E,h7km,Md1.9/3,Albania
Code Station Name Δ° AZZ Phase ID Time Res

GUC 20 03:32:00.2,0.6,30'78S,71'35W,h48km,6km,ML4.1
NEIC 20 03:32:00.0,0.0,30'78S,71'35W,h48km,mb3.8/4,
ML4.1(GUC),After GUC.
NEIC Felt [II] at Monte Patria, Ovale and Punitaqui; [II] at
Canela, Coquimbo, La Serena, Rio Hurtado, Vallenar and
Vicuna.

Code Station Name Δ° AZZ Phase ID Time Res
G004 Tololo Observa 0.75 36 eP Pn 03 32 16.8 +0.4
G004 Tololo Astrono 0.75 35 eS Pn 03 32 28.9 +2.1
TLL Tololo Astrono 0.75 35 eS Pn 03 32 16.7 +0.6

Code Station Name Δ° AZZ Phase ID Time Res
LCO Las Campanas 1.84 17 ePn Pn 03 32 31.8 +0.9
LCO Las Campanas 1.84 17 iJP Pn 03 32 31.9 +0.9
LCO Las Campanas 1.84 17 eS Pn 03 32 55.9 +2.7

Code Station Name Δ° AZZ Phase ID Time Res
PEL Peldehue 2.41 168 eP Pn 03 32 39.4 +1.0
PEL Peldehue 2.41 168 eS Pn 03 33 09.7 +2.9
FCH Farellones 2.68 162 eP Pn 03 32 43.4 +1.0

Code Station Name Δ° AZZ Phase ID Time Res
CLCH Cerro Calan 2.68 166 eP Pn 03 32 43.1 +0.9
GO03 Copiapu 3.31 17 eS Pn 03 32 52.2 +1.3
GO03 Copiapu 3.31 17 eS Pn 03 33 31.3 +2.3

Code Station Name Δ° AZZ Phase ID Time Res
SIV San Ignacio 17.45 35 P Pn 03 36 02.7 +0.8
SIV San Ignacio 17.45 35 P Pn 03 36 18.9 -1.1
NNA Nana 19.40 343 eP P 03 36 20.9 -2.5

Code Station Name Δ° AZZ Phase ID Time Res
SNAAM Samuel 23.01 21 eP P 03 37 00.3 -1.7
SNAAS Sanae 54.33 159 P P 03 41 22.2 -0.2
SNAAL Sanae 54.33 159 P P 03 41 35.7 -0.7

Code Station Name Δ° AZZ Phase ID Time Res
TXAR Lajitas Array 67.26 330 P P 03 42 51.7 +1.0
TXAR Lajitas Array 67.26 330 P P 03 43 05.0 -0.2
MNTX Cornudas Mount 70.05 329 eP P 03 43 06.9 -1.0

Code Station Name Δ° AZZ Phase ID Time Res
DBIC Dimboko 73.57 72 P P 03 43 30.1 +0.6
DBIC Dimboko 73.57 72 P P 03 43 44.2 -1.0
SDCO Great Sand Dun 75.30 333 eP P 03 43 39.5 +0.1

Code Station Name Δ° AZZ Phase ID Time Res
KOWA Kowa 78.75 66 P P 03 43 59.3 +0.5
NVAR Mina Array Bea 81.62 325 P P 03 44 15.1 +1.0
NVAR Mina Array Bea 81.62 325 P P 03 44 29.1 +0.2

Code Station Name Δ° AZZ Phase ID Time Res
TORD Torodi Ar Bea 82.53 70 P P 03 44 19.5 +0.4
ULM Lac du Bonnet 83.57 344 P P 03 44 23.4 -0.2
WRM Warramunga Arr 123.86 209 PKP P 03 50 53.3 -1.1

Code Station Name Δ° AZZ Phase ID Time Res
H1S1 WAKE ISLAND Hy26.40 271 T T 06 09 55.3
H1S1 WAKE ISLAND Hy26.40 271 T T 06 09 56.0
H1S3 WAKE ISLAND Hy26.41 271 T T 06 09 51.8

2012 MAY

NOVE Novellara 0.48 262 P P 03 32 20.5 +0.4
NOVE Novellara 0.48 262 P P 03 32 20.5 +0.4
NOVE Novellara 0.48 262 S Sn 03 32 29.5 +3.9

NOVE comp=E,5455µm,0.7s AML AML
NOVE comp=N,6945µm,0.9s AML AML
NOVE comp=E,5450µm,0.7s AML AML

NOVE comp=N,6945µm,0.9s AML AML
NOVE comp=E,5450µm,0.7s AML AML
NOVE MTRZ Monterenzio 0.49 174 P Pn 03 32 23.4 +0.9

TEOL Teolo 0.53 22 eP Pn 03 32 20.7 +0.6
TEOL Teolo 0.53 22 P Pn 03 32 20.7 +0.6
TEOL Teolo 0.53 22 P Pn 03 32 20.7 +0.6

IMOL Imola, Italy 0.56 153 P Pn 03 32 22.9 -0.5
IMOL Imola, Italy 0.56 153 P Pn 03 32 22.9 -0.5
IMOL comp=N,4090µm,1.1s AML AML

IMOL comp=N,4090µm,0.3s AML AML
IMOL comp=E,568µm,0.8s AML AML
IMOL comp=N,422µm,0.7s AML AML

IMOL comp=E,484µm,1.0s AML AML
IMOL comp=N,4695µm,1.0s AML AML
IMOL comp=E,614µm,1.0s AML AML

IMOL comp=N,555µm,0.9s AML AML
IMOL comp=E,4840µm,1.1s AML AML
IMOL comp=N,4695µm,1.0s AML AML

IMOL comp=N,4695µm,1.0s AML AML
IMOL comp=N,4695µm,1.0s AML AML
IMOL comp=N,4695µm,1.0s AML AML

ZCCA Zocca 0.59 210 P P 03 32 22.1 +0.1
ZCCA Zocca 0.59 210 P P 03 32 22.1 +0.1
ZCCA Zocca 0.59 210 P P 03 32 22.1 +0.1

ZCCA comp=E,2725µm,1.2s AML AML
ZCCA comp=N,3005µm,0.8s AML AML
ZCCA comp=N,3005µm,0.8s AML AML

ZCCA comp=E,2690µm,1.2s AML AML
ZCCA comp=N,2975µm,0.9s AML AML
ZCCA comp=E,2730µm,1.2s AML AML

ZCCA comp=N,3005µm,0.8s AML AML
ZCCA comp=N,3005µm,0.8s AML AML
ZCCA comp=N,3005µm,0.8s AML AML

ZOVE Zovencedo 0.59 7 P P 03 32 21.7 +0.5
ZOVE Zovencedo 0.59 7 P P 03 32 21.7 +0.5
ZOVE Zovencedo 0.59 7 P P 03 32 21.7 +0.5

1130

SALO comp=N,3210µm,0.9s AML AML
SALO comp=E,2610µm,1.0s AML AML
SALO comp=N,3210µm,0.9s AML AML

SALO comp=N,3210µm,0.9s AML AML
SALO comp=E,2610µm,1.0s AML AML
BDI Bagni Di Lucca 0.98 216 P Pn 03 32 29.6 +0.3

BDI Bagni Di Lucca 0.98 216 P Pn 03 32 29.6 +0.3
BDI Vobarno 0.98 216 P Pn 03 32 29.6 +0.3
BDI comp=E,2820µm,0.6s AML AML

BDI comp=N,3090µm,1.0s AML AML
BDI comp=E,2550µm,0.7s AML AML
BDI comp=N,3255µm,1.0s AML AML

BDI comp=E,2825µm,0.6s AML AML
BDI comp=N,3090µm,1.0s AML AML
BDI comp=E,2550µm,0.7s AML AML

BDI comp=N,3255µm,1.0s AML AML
BDI comp=N,3090µm,1.0s AML AML
BDI comp=N,3255µm,1.0s AML AML

BDI comp=N,3090µm,1.0s AML AML
BDI comp=N,3090µm,1.0s AML AML
BDI comp=N,3090µm,1.0s AML AML

VOBA Vobarno 1.00 321 P P 03 32 29.7 +0.8
VOBA Vobarno 1.00 321 P P 03 32 29.7 +0.8
ASOL Asolo 1.00 21 P Pn 03 32 29.8 +0.3

ASOL Asolo 1.00 21 P Pn 03 32 29.8 +0.3
VLC Villacollemand 1.01 226 P P 03 32 29.9 +0.8
VLC Villacollemand 1.01 226 P P 03 32 29.9 +0.8

VLC comp=E,1370µm,0.8s AML AML
VLC comp=N,1094µm,0.9s AML AML
VLC comp=E,1370µm,0.8s AML AML

VLC comp=N,1094µm,0.9s AML AML
SFI Santa Sofia 1.01 161 P Pn 03 32 29.8 +0.1
SFI Santa Sofia 1.01 161 P Pn 03 32 29.8 +0.1

SFI comp=E,1700µm,0.4s AML AML
SFI comp=N,1915µm,1.2s AML AML
SFI comp=E,1700µm,0.4s AML AML

SFI comp=N,1920µm,1.2s AML AML
SFI comp=N,1920µm,1.2s AML AML
DOSS Dossò del Som 1.03 352 eP P 03 32 29.9 +0.4

DOSS Dossò del Som 1.03 352 eP P 03 32 29.9 +0.4
DOSS Dossò del Som 1.03 352 eP P 03 32 29.9 +0.4
BOT Boticchio 1.03 312 P P 03 32 29.9 +0.6

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POLC	comp=E,2560µm,0.8s	AML	AML						
POLC	comp=N,3085µm,0.6s	AML	AML						
POLC	comp=E,2560µm,0.8s	AML	AML						
POLC	comp=N,3085µm,0.6s	AML	AML						
ATCA	<b>Cantone</b>	1.44	154	P	Pg	03 32 37.4	+0.1		
ATCA	<b>Cantone</b>	1.44	154	P	Pg	03 32 37.4	+0.1		
ATCA	comp=E,438µm,1.1s	AML	AML						
ATCA	comp=N,726µm,0.7s	AML	AML						
ATCA	comp=E,438µm,1.1s	AML	AML						
ATCA	comp=N,726µm,0.7s	AML	AML						
NARO	<b>Abbazia di Nar</b>	1.52	145	P	Pg	03 32 38.9	+0.1		
NARO	<b>Abbazia di Nar</b>	1.52	145	P	Pg	03 32 38.9	+0.1		
NARO	comp=E,536µm,0.6s	AML	AML						
NARO	comp=N,624µm,0.4s	AML	AML						
NARO	comp=E,536µm,0.6s	AML	AML						
NARO	comp=N,624µm,0.4s	AML	AML						
NARO	comp=N,624µm,0.4s	AML	AML						
NARO	comp=E,536µm,0.6s	AML	AML						
ATMC	<b>Monte Cedrone</b>	1.53	158	P	Pb	03 32 38.6	+0.6		
ATMC	<b>Monte Cedrone</b>	1.53	158	P	Pb	03 32 38.6	+0.6		
ATMC	comp=E,889µm,0.6s	AML	AML						
ATMC	comp=N,934µm,0.6s	AML	AML						
ATMC	comp=E,889µm,0.6s	AML	AML						
ATMC	comp=N,937µm,0.6s	AML	AML						
ATMC	comp=E,889µm,0.6s	AML	AML						
ATMC	comp=N,937µm,0.6s	AML	AML						
ATMC	comp=E,889µm,0.6s	AML	AML						
ATMC	comp=N,937µm,0.6s	AML	AML						
ATPI	<b>Pietralunga -</b>	1.59	152	AML	AML				
ATPI	comp=N,540µm,1.1s	AML	AML						
ATPI	comp=E,562µm,0.6s	AML	AML						
ATPI	comp=N,540µm,1.1s	AML	AML						
ATPI	comp=E,562µm,0.6s	AML	AML						
ATPI	comp=N,540µm,1.1s	AML	AML						
CAFI	<b>Castiglione Fio</b>	1.59	165	P	Pb	03 32 39.6	+0.6		
CAFI	<b>Castiglione Fio</b>	1.59	165	P	Pb	03 32 39.6	+0.6		
CAFI	comp=E,393µm,0.5s	AML	AML						
CAFI	comp=N,524µm,0.8s	AML	AML						
CAFI	comp=E,408µm,0.5s	AML	AML						
CAFI	comp=N,560µm,0.8s	AML	AML						
CAFI	comp=E,393µm,0.5s	AML	AML						
CAFI	comp=N,524µm,0.8s	AML	AML						
CAFI	comp=E,408µm,0.5s	AML	AML						
CAFI	comp=N,560µm,0.8s	AML	AML						
CAFI	comp=E,408µm,0.5s	AML	AML						
CAFI	comp=N,560µm,0.8s	AML	AML						
CAFI	comp=E,408µm,0.5s	AML	AML						
CAFI	comp=N,560µm,0.8s	AML	AML						
ATBU	<b>Serra di Buran</b>	1.62	149	P	Pb	03 32 40.1	+0.6		
ATBU	<b>Serra di Buran</b>	1.62	149	P	Pb	03 32 40.1	+0.6		
ATBU	comp=E,1440µm,0.4s	AML	AML						
ATBU	comp=N,1680µm,1.2s	AML	AML						
ATBU	comp=E,1440µm,0.4s	AML	AML						
ATBU	comp=N,1680µm,1.2s	AML	AML						
ATBU	comp=N,1680µm,1.2s	AML	AML						
ATBU	comp=N,1680µm,1.2s	AML	AML						
ATBU	comp=E,1440µm,0.4s	AML	AML						
ATVO	<b>AVT- Monte Val</b>	1.65	153	AML	AML				
ATVO	comp=E,679µm,1.4s	AML	AML						
ATVO	comp=E,679µm,1.4s	AML	AML						
ATVO	comp=N,828µm,0.9s	AML	AML						
ATVO	comp=N,828µm,0.9s	AML	AML						
ATVO	comp=E,679µm,1.4s	AML	AML						
ATVO	comp=N,828µm,0.9s	AML	AML						
FRON	<b>Frontone</b>	1.65	144	AML	AML				
FRON	comp=N,1110µm,0.7s	AML	AML						
FRON	comp=E,754µm,0.6s	AML	AML						
FRON	comp=N,1110µm,0.7s	AML	AML						
FRON	comp=E,754µm,0.6s	AML	AML						
FROS	<b>Frosini</b>	1.66	186	P	Pn	03 32 39.3	+0.7		
FROS	<b>Frosini</b>	1.66	186	P	Pn	03 32 39.3	+0.7		
FROS	comp=E,569µm,1.1s	AML	AML						
FROS	comp=N,479µm,0.6s	AML	AML						
FROS	comp=E,569µm,1.1s	AML	AML						
FROS	comp=N,479µm,0.6s	AML	AML						
FROS	comp=N,479µm,0.6s	AML	AML						
FROS	comp=N,479µm,0.6s	AML	AML						
FROS	comp=E,569µm,1.1s	AML	AML						
ATVA	<b>AVT- Monte Val</b>	1.71	158	P	Pb	03 32 40.4	-0.6		
ATVA	<b>AVT- Monte Val</b>	1.71	158	P	Pb	03 32 40.4	-0.6		
ATVA	comp=E,337µm,0.7s	AML	AML						
ATVA	comp=N,326µm,0.9s	AML	AML						
ATVA	comp=E,337µm,0.7s	AML	AML						
ATVA	comp=N,327µm,0.9s	AML	AML						
ATVA	comp=N,327µm,0.9s	AML	AML						
ATVA	comp=N,327µm,0.9s	AML	AML						
ATVA	comp=N,327µm,0.9s	AML	AML						
BRMO	<b>Bormio</b>	1.76	336	AML	AML				
BRMO	comp=N,428µm,0.6s	AML	AML						
BRMO	comp=E,541µm,0.9s	AML	AML						
BRMO	comp=N,428µm,0.6s	AML	AML						
BRMO	comp=N,428µm,0.6s	AML	AML						
BRMO	comp=E,541µm,0.9s	AML	AML						
BRMO	comp=N,428µm,0.6s	AML	AML						
MOSI	<b>Grossmontoni</b>	1.85	342	AML	AML				
MOSI	comp=N,2830µm,0.9s	AML	AML						
MOSI	comp=E,1450µm,0.4s	AML	AML						
MOSI	comp=N,2830µm,0.9s	AML	AML						
MOSI	comp=E,1450µm,0.4s	AML	AML						

2012 MAY

SKDS	Skadanscina	1.98	69	i	Pn	03 32 42.8	-0.1		
SKDS	Skadanscina	1.98	69	i	Pn	03 32 42.8	-0.1		
MGAB	<b>Montegabbione</b>	2.02	165	AML	AML				
MGAB	comp=E,344µm,0.8s	AML	AML						
MGAB	comp=E,344µm,0.8s	AML	AML						
MGAB	comp=N,377µm,1.5s	AML	AML						
ABTA	<b>Abfattersbach</b>	2.04	22	Pg	Pg	03 32 50.3	+1.5		
ABTA	<b>Abfattersbach</b>	2.04	22	Pg	Pg	03 32 50.3	+1.5		
ABTA	comp=N,108µm,0.5s	AML	AML						
SACS	<b>San Casciano d</b>	2.05	169	AML	AML				
SACS	comp=E,205µm,0.7s	AML	AML						
SACS	comp=N,264µm,1.0s	AML	AML						
SACS	comp=E,205µm,0.7s	AML	AML						
SACS	comp=N,264µm,1.0s	AML	AML						
PCP	<b>Plancastagn</b>	2.06	262	AML	AML				
PCP	comp=E,638µm,0.9s	AML	AML						
PCP	comp=E,638µm,0.9s	AML	AML						
PCP	comp=N,753µm,0.7s	AML	AML						
PCP	comp=N,753µm,0.7s	AML	AML						
ROSI	<b>Roskopf</b>	2.06	0	AML	AML				
ROSI	comp=E,1115µm,0.6s	AML	AML						
ROSI	comp=E,1115µm,0.6s	AML	AML						
ROSI	comp=N,1425µm,1.0s	AML	AML						
ROSI	comp=N,1425µm,1.0s	AML	AML						
VARE	<b>Varese</b>	2.10	299	AML	AML				
VARE	comp=N,452µm,0.5s	AML	AML						
VARE	comp=N,452µm,0.5s	AML	AML						
VARE	comp=E,238µm,0.5s	AML	AML						
VARE	comp=N,452µm,0.5s	AML	AML						
CASP	<b>Castiglione de</b>	2.11	191	AML	AML				
CASP	comp=N,134µm,0.7s	AML	AML						
CASP	comp=E,106µm,0.6s	AML	AML						
CASP	comp=E,106µm,0.6s	AML	AML						
CASP	comp=N,134µm,0.7s	AML	AML						
FDMO	<b>Fiordimonte</b>	2.20	146	AML	AML				
FDMO	comp=N,230µm,0.5s	AML	AML						
FDMO	comp=E,260µm,1.1s	AML	AML						
FDMO	comp=E,260µm,1.1s	AML	AML						
FDMO	comp=N,230µm,0.5s	AML	AML						
FETA	<b>Feichten</b>	2.21	348	Pn	Pb	03 32 48.5	-1.0		
FETA	<b>Feichten</b>	2.21	348	Pn	Pb	03 32 48.5	-1.0		
FETA	comp=N,230µm,0.5s,SNR=5.1	AML	AML						
FINB	<b>Finale Ligure</b>	2.30	254	AML	AML				
FINB	comp=N,28µm,0.4s	AML	AML						
FINB	comp=E,1014µm,0.4s	AML	AML						
FINB	comp=E,1014µm,0.4s	AML	AML						
MYKA	<b>Terra Mystica</b>	2.37	41	ePn	Pb	03 32 50.6	-1.6		
MYKA	<b>Terra Mystica</b>	2.37	41	Pn	Pb	03 32 50.6	-1.6		
MYKA	comp=N,2.5nm,0.1s	AML	AML						
NRCA	<b>Norcia</b>	2.38	148	AML	AML				
NRCA	comp=E,246µm,0.8s	AML	AML						
NRCA	comp=N,204µm,1.4s	AML	AML						
NRCA	comp=N,204µm,1.4s	AML	AML						
WTTA	<b>Wattenberg</b>	2.41	4	Pn	Pb	03 32 51.9	-1.1		
WTTA	<b>Wattenberg</b>	2.41	4	Pn	Pb	03 32 51.9	-1.1		
WTTA	comp=N,6.3µm,0.3s	AML	AML						
WTTA	comp=N,6.3µm,0.3s	AML	AML						
WTTA	comp=N,353µm,0.7s	AML	AML						
WTTA	comp=E,512µm,0.8s	AML	AML						
WTTA	comp=N,353µm,0.7s	AML	AML						
MONC	<b>Moncucco Torin</b>	2.47	276	AML	AML				
MONC	comp=N,1000µm,0.4s	AML	AML						
MONC	comp=E,717µm,0.4s	AML	AML						
MONC	comp=N,1000µm,0.4s	AML	AML						
MONC	comp=E,717µm,0.4s	AML	AML						
WATA	<b>Walderalm</b>	2.48	3	ePn	Pb	03 32 52.6	-1.5		
WATA	<b>Walderalm</b>	2.48	3	Pn	Pb	03 32 52.6	-1.5		
WATA	comp=N,7.3µm,0.2s	AML	AML						
MOTA	<b>Moosalm</b>	2.49	355	Pn	Pn	03 32 52.3	+2.2		
MOTA	<b>Moosalm</b>	2.49	355	Pn	Pn	03 32 52.3	+2.2		
MOTA	comp=N,13nm,0.4s	AML	AML						
MOTA	comp=N,13nm,0.4s	AML	AML						
NVLJ	<b>Novalja</b>	2.50	96	ePn	Pn	03 32 49.4	-0.6		
NVLJ	<b>Novalja</b>	2.50	96	Pn	Pn	03 32 49.4	-0.6		
LJU	<b>Ljubljana</b>	2.50	61	AML	AML				
LJU	comp=N,1030µm,0.7s	AML	AML						
LJU	comp=E,1059µm,0.5s	AML	AML						
LJU	comp=E,1059µm,0.5s	AML	AML						

Table with columns: MODS, Modra-Piesok, 5.36 47 ePN, Pn, 03 33 28.4 -1.0, etc. Includes various station codes and coordinates.

Table with columns: FIU, comp=N, 10955um, 0.8s, AML, AML, etc. Includes station codes and coordinates.

Table with columns: TREG, comp=E, 2810um, 0.2s, AML, AML, etc. Includes station codes and coordinates.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes station codes and coordinates.

Table with columns: IMOL, Imola, Italy, 0.63 147, P, Pn, etc. Includes station codes and coordinates.

Table with columns: VLC, Villacolumand, 0.96 221, P, P, etc. Includes station codes and coordinates.

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2012 MAY

20d 3h

Table with columns for station name, frequency, power, and signal quality. Includes stations like Cima Grappa, Santa Sofia, Montello, Roncone, and Polcenigo.

Table with columns for station name, frequency, power, and signal quality. Includes stations like POLC, AGOR, KOSI, MLI, and various regional stations.

Table with columns for station name, frequency, power, and signal quality. Includes stations like SABO, AVT-Casa Cast, FVI, ROSI, ABTA, SKDS, CING, MGAB, ASSB, PTCC, RISI, QLNO, FETA, FINB, CESI, FDMO, ACOM, WTTA, MYKA, WATA, MOTA, DAVA, NOVLI, IMI, RETA, KBA, OBKA.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Pioggiola, Bojanci, Sospel, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Bois d'Agland, Yhne, Dobruska-Polom, etc.

NEIC 20 03:39:03.4z.0.0, 19:31N:67:21W, h32km, MD3.2(RSPR). After RSPR. RSPR 20 03:39:03.4, 19:31N:67:21W, h32km±10km, MD3.2/9, 16C-8D, Mona Passé

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other technical details. Includes stations like Aguadilla, Las Mesas, Cabo Rojo, etc.

ROM 20 03:53:43.2z.0.2, 44:887N:0:008z.11:19E:0:02, h6km, ML2.5/34. ISCBJ 20 03:53:45.9z.0.3, 44:89N:0:02z.11:30E:0:04, h9km, 3km, Error ellipse: s-maj=4.6km s-min=2.7km az=19.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other technical details. Includes stations like Sermid, RAVARA, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like NOVE, ZCCA, Zocca, etc.









20d 4h

Table with columns for station name, code, station name, delta A, delta Z, phase ID, time, and residuals. Includes stations like SALO, POPM, MAGA, MAIM, CRMI, CGRP, ASQU, PLMA, MABI, CSNT, AGOR, KOSI, and APPI.

2012 MAY

Table with columns for station name, code, station name, delta A, delta Z, phase ID, time, and residuals. Includes stations like APPI, CAFI, MOSI, ABSI, SABO, RISI, DZM, STKA, WRA, ASAR, FITZ, ILAR, RAVA, SERM, MODE, ZCCA, TEOL, ROVR, and SALO.

1138

Table with columns for station name, code, station name, delta A, delta Z, phase ID, time, and residuals. Includes stations like SERM, FIU, RAVA, MODE, ADRI, NOVE, ZCCA, BRIS, CGRP, ROVR, SALO, MTLO, MAGA, and CRMI.



20d 4h

2012 MAY

1140

Table with columns for station name, frequency, power, and time. Includes stations like BRIS, ERBM, ZEN8, BALD, SEI, SALO, POPM, DOSS, PTF, MAGA, BDI, CGRP, MTLO, SFI, PANI, CRMI, MAIM, RNI, ASQU.

Table with columns for station name, frequency, power, and time. Includes stations like ASQU, VARN, MABI, MSSA, CSNT, AGOR, OZOL, MLNI, KOSI, APPI, CARE, CIMO, STAL, ATBU, MOSI, ABSI, SABO, ROSI.

Table with columns for station name, frequency, power, and time. Includes stations like ROSI, ABTA, SKDS, PTCC, FETA, WTTA, MYKA, WATA, MOTA, DAVA, KBA, RETA, OBKA, MOA, ARSA, KHC, MOlin, KHC, PRU, CLL.

Table with columns for Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Includes stations like RAVA, FIU, SERM, MODE, NOVE, ZCCA.





20d 4h

2012 MAY

1142

Table with columns for station call letters, frequency, power, and signal strength. Includes stations like BDI, CGRP, SFI, VLC, MTLO, ASQU, PANI, VARN, RNI, CTL8, CAE, MABI, POLC, PARC, PLMA, CSNT, MSSA, FSSB.

Table with columns for station call letters, frequency, power, and signal strength. Includes stations like FSSB, OZOL, ATMC, PIEI, KOSI, ATPC, APPI, CAFI, CARE, ATBU, STAL, FRON, ATVO, ARVD, MOSI, ABSI, SABO, VINO, SKDS, ABTA, ROSI, ASSB, RISI.

Table with columns for station call letters, frequency, power, and signal strength. Includes stations like RISI, TUE, FETA, FINB, MYKA, WTTA, WATA, MOTA, LJU, NVLJ, LNSS, KBA, VNSD, DAVA, RETA, SMA1, OBKA, BOJS, SAOF, PGF, OZLJ, SBF, MBDF, LPG, LPL, MOA, FRF, ARSA, LMR, ORIF, CABF, SMRF, HINF, KHC.

Table with columns: Station Name, Code, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Bias Rate, Elevation Bias Rate, Azimuth Bias Variance, Elevation Bias Variance, Azimuth Bias Covariance, Elevation Bias Covariance, Azimuth Bias Correlation, Elevation Bias Correlation, Azimuth Bias Rate Variance, Elevation Bias Rate Variance, Azimuth Bias Rate Covariance, Elevation Bias Rate Covariance, Azimuth Bias Rate Correlation, Elevation Bias Rate Correlation.

ROM 20 04:23:34.1±0.2, 44:869N:0.007:11:24E:0.02, h7km, ML2.8/26
ISCJB 20 04:23:36.8±0.3, 44:92N:0.02:11:30E:0.04, h10km, 4km, Error ellipse: s-maj=4.9km s-min=3.1km az=10.0
CSEM 20 04:23:37.0±0.1, 44:91N:11:27E, h10km, ML2.8, Error ellipse: s-maj=4.3km s-min=2.6km az=102.0
ISC 20 04:23:36.9±0.8, 44:88N:0.02:11:26E:0.02, h13km, 6km, n88, c059/95, 1C-3D, Northern Italy

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Bias Rate, Elevation Bias Rate, Azimuth Bias Variance, Elevation Bias Variance, Azimuth Bias Covariance, Elevation Bias Covariance, Azimuth Bias Correlation, Elevation Bias Correlation, Azimuth Bias Rate Variance, Elevation Bias Rate Variance, Azimuth Bias Rate Covariance, Elevation Bias Rate Covariance, Azimuth Bias Rate Correlation, Elevation Bias Rate Correlation.

Table with columns: Station Name, Code, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Bias Rate, Elevation Bias Rate, Azimuth Bias Variance, Elevation Bias Variance, Azimuth Bias Covariance, Elevation Bias Covariance, Azimuth Bias Correlation, Elevation Bias Correlation, Azimuth Bias Rate Variance, Elevation Bias Rate Variance, Azimuth Bias Rate Covariance, Elevation Bias Rate Covariance, Azimuth Bias Rate Correlation, Elevation Bias Rate Correlation.

Table with columns: Station Name, Code, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Bias Rate, Elevation Bias Rate, Azimuth Bias Variance, Elevation Bias Variance, Azimuth Bias Covariance, Elevation Bias Covariance, Azimuth Bias Correlation, Elevation Bias Correlation, Azimuth Bias Rate Variance, Elevation Bias Rate Variance, Azimuth Bias Rate Covariance, Elevation Bias Rate Covariance, Azimuth Bias Rate Correlation, Elevation Bias Rate Correlation.

20d 4h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like BRMO, QLNO, BRG, CLL, etc.

IDC 20 04:23:39.6: 1.1, 36:57N:142:81E, h0km, mb3.7/7, m1 3.8/10, mb1mx3.6/67, mbtmp3.7/10, ML3.7/3, Error ellipse: s-maj=25.9km s-min=20.0km az=113.0

ISCJB 20 04:23:41.6: 0.7, 36:59N:142:74E: 0.05, h29km, mb3.7/7, Error ellipse: s-maj=6.6km s-min=4.8km az=38.1

JYU 20 04:23:41.6: 0.1, 36:57N:142:78E, h55km, M3.3, ISC 20 04:23:43.7: 0.3, 36:57N:142:71E: 0.08, h29km, n31, c1505/35, mb3.7/7, Off east coast of Honshu

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ONAJ, JUK, JHO, JCH, etc.

NEIC 20 04:32:52.9: 0.0, 38:16S:176:91E, h119km, ML4.3(WEL), After WEL

WEL 20 04:32:51.7: 0.4, 38:5S:177E: 1.1, h127km, 3km, North Island

Main station list table for WEL with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like URZ, EDJR, MUGZ, etc.

2012 MAY

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like BKZ, PRGZ, CNGZ, etc.

1144

mb4.4/4, MLv3.8/3, MLv3.7/7, Mw(mb)3.7/1, ROM 20 04:33:17.9: 0.2, 44:88N:0.006: 11:19E: 0.02, h7km, ML3.3/26, CSEM 20 04:33:19.9: 0.1, 44:90N: 11:26E, h12km, ML3.2/7, Mw3.7, Error ellipse: s-maj=3.2km s-min=2.6km az=107.0, ISCJB 20 04:33:20.3: 0.2, 44:88N:0.02: 11:18E: 0.03, h26km, 2km, mb3.5/3, Error ellipse: s-maj=3.1km s-min=2.6km az=26.5, IDC 20 04:33:21.5: 2.8, 44:87N: 11:21E, h26km, 17km, mb3.2/3, mb1 3.2/5, mb1mx3.1/56, mbtmp3.3/5, ML2.7/2, Error ellipse: s-maj=43.6km s-min=14.9km az=111.0, LDG 20 04:33:22.1: 0.1, 44:80N: 11:18E, h10km, ML2.9/15, Error ellipse: s-maj=3.6km s-min=2.5km az=41.0, PRU 20 04:33:23.4: 94.49N: 11:44E, h31km, ISC 20 04:33:19.4: 0.8, 44:89N:0.02: 11:25E: 0.02, h15km, 6km, n197, c1939/246, mb3.6/3, 2C-3D, Northern Italy

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SERM, SERA, RAVA, etc.

STR 20 04:33:06.9: 1.0, 44:1N: 7x12E: 1, h10km, M3.9/7, mb4.5/1,

CGRP	comp=E,2640um,0.5s	AML	AML					
CGRP	comp=N,3260um,1.2s	AML	AML					
CGRP	comp=N,3260um,1.2s	AML	AML					
CGRP	comp=E,2640um,0.5s	AML	AML					
SFI	Santa Sofia	1.07 156 P	Pg	04 33 40.5 +0.4				
SFI	Santa Sofia	1.07 156 P	Pg	04 33 40.5 +0.4				
SFI	comp=E,2450um,0.4s	AML	AML					
SFI	comp=N,2765um,0.5s	AML	AML					
SFI	comp=N,2505um,0.4s	AML	AML					
SFI	comp=N,2915um,0.5s	AML	AML					
SFI	comp=E,2450um,0.4s	AML	AML					
SFI	comp=N,2770um,0.5s	AML	AML					
SFI	comp=N,2505um,0.4s	AML	AML					
SFI	comp=N,2915um,0.5s	AML	AML					
SFI	comp=N,2770um,0.5s	AML	AML					
SFI	comp=N,2915um,0.5s	AML	AML					
SFI	comp=E,2450um,0.4s	AML	AML					
MTLO	Montello	1.10 331 ePg	Pg	04 33 41.1 +0.5				
MTLO	Montello	1.10 331 ePg	Pg	04 33 56.9 +1.7				
MTLO	Montello	1.10 309 ePg	Pg	04 33 41.1 +0.5				
MAIM	Mastiano	1.12 209 P	Pg	04 33 41.4 +0.4				
MAIM	Mastiano	1.12 209 P	Pg	04 33 41.4 +0.4				
MAIM	comp=E,682um,1.3s	AML	AML					
MAIM	comp=N,1415um,0.9s	AML	AML					
MAIM	comp=E,682um,1.3s	AML	AML					
MAIM	comp=N,1415um,0.9s	AML	AML					
CRMI	Carmignano	1.12 190 P	Pg	04 33 41.4 +0.4				
CRMI	Carmignano	1.12 190 P	Pg	04 33 41.4 +0.4				
CRMI	comp=E,740um,0.6s	AML	AML					
CRMI	comp=N,809um,0.7s	AML	AML					
CRMI	comp=N,809um,0.7s	AML	AML					
CRMI	comp=N,809um,0.7s	AML	AML					
CTL8	Castelleone	1.12 291 AML	AML					
CTL8	comp=N,504um,1.3s	AML	AML					
CTL8	comp=N,504um,1.3s	AML	AML					
CTL8	comp=N,3230um,0.8s	AML	AML					
CTL8	comp=E,736um,0.7s	AML	AML					
CTL8	comp=N,504um,1.3s	AML	AML					
CTL8	comp=N,3230um,0.8s	AML	AML					
CTL8	comp=N,3230um,0.8s	AML	AML					
ASQU	Asqua	1.16 160 P	Pg	04 33 41.9 +0.1				
ASQU	Asqua	1.16 160 P	Pg	04 33 41.9 +0.1				
ASQU	comp=E,1840um,0.5s	AML	AML					
ASQU	comp=N,2300um,0.8s	AML	AML					
ASQU	comp=N,2300um,0.8s	AML	AML					
ASQU	comp=N,2300um,0.8s	AML	AML					
PANI	Panarotta	1.16 3 ePg	Pb	04 33 40.9 -0.4				
PANI	Panarotta	1.16 3 ePg	Pb	04 33 57.0 0.0				
PANI	Panarotta	1.16 3 ePg	Pb	04 33 40.9 -0.4				
PANI	Roncone	1.18 338 ePg	Pg	04 33 57.0 0.0				
RNI	Roncone	1.18 338 ePg	Pg	04 33 41.2 -0.3				
RNI	Roncone	1.18 338 ePg	Pg	04 33 57.6 +0.2				
RNI	Roncone	1.18 338 ePg	Pg	04 33 41.2 -0.3				
RNI	Roncone	1.18 338 ePg	Pg	04 33 57.6 +0.2				
RNI	Roncone	1.18 338 ePg	Pg	04 33 42.6 +0.2				
RNI	Roncone	1.18 338 ePg	Pg	04 33 42.6 +0.2				
CTI	Castel Tesino	1.19 14 P	Pg	04 33 42.6 +0.2				
CTI	Castel Tesino	1.19 14 P	Pg	04 33 42.6 +0.2				
CTI	comp=N,2605um,0.2s	AML	AML					
CTI	comp=N,4125um,0.2s	AML	AML					
CTI	comp=N,4125um,0.2s	AML	AML					
CTI	comp=N,4125um,0.2s	AML	AML					
CTI	comp=N,4125um,0.2s	AML	AML					
CTI	comp=N,4125um,0.2s	AML	AML					
VARN	Col Varnada, M	1.26 28 ePg	Pb	04 33 42.9 +0.1				
VARN	Col Varnada, M	1.26 28 ePg	Pb	04 33 42.9 +0.1				
MABI	Malga Bissina	1.27 336 P	Pb	04 33 43.4 +0.2				
MABI	Malga Bissina	1.27 336 P	Pb	04 33 43.4 +0.2				
MABI	comp=E,436um,0.6s	AML	AML					
MABI	comp=N,544um,0.6s	AML	AML					
MABI	comp=N,544um,0.6s	AML	AML					
MABI	comp=N,544um,0.6s	AML	AML					
MABI	comp=N,544um,0.6s	AML	AML					
PLMA	Palmaria, Port	1.31 231 AML	AML					
PLMA	comp=E,324um,0.7s	AML	AML					
PLMA	comp=N,525um,1.2s	AML	AML					
PLMA	comp=N,525um,1.2s	AML	AML					
PLMA	comp=N,525um,1.2s	AML	AML					
MSSA	Maissana	1.36 246 P	Pb	04 33 45.3 +0.6				
MSSA	Maissana	1.36 246 P	Pb	04 33 45.3 +0.6				
MSSA	comp=E,507um,0.7s	AML	AML					
MSSA	comp=N,696um,1.0s	AML	AML					
MSSA	comp=N,696um,1.0s	AML	AML					
MSSA	comp=N,696um,1.0s	AML	AML					
MSSA	comp=N,696um,1.0s	AML	AML					
MSSA	comp=N,696um,1.0s	AML	AML					
CAE	Caneva	1.39 36 ePg	Pg	04 33 45.9 -0.3				
CAE	Caneva	1.39 36 ePg	Pg	04 33 45.9 -0.3				
CAE	Castellina Chi	1.42 179 P	Pn	04 33 44.0 -0.7				
CAE	Castellina Chi	1.42 179 P	Pn	04 33 45.0 +0.3				
CSNT	comp=N,552um,1.1s	AML	AML					
CSNT	comp=N,684um,1.3s	AML	AML					
CSNT	comp=N,684um,1.3s	AML	AML					
CSNT	comp=N,684um,1.3s	AML	AML					
CSNT	comp=N,684um,1.3s	AML	AML					
CSNT	comp=N,684um,1.3s	AML	AML					
PARC	Parchiule	1.43 150 P	Pb	04 33 45.0 +0.2				
PARC	Parchiule	1.43 150 P	Pb	04 33 46.0 +0.2				
PARC	comp=E,796um,1.1s	AML	AML					
PARC	comp=N,640um,0.9s	AML	AML					
PARC	comp=N,640um,0.9s	AML	AML					
PARC	comp=N,640um,0.9s	AML	AML					
PARC	comp=N,640um,0.9s	AML	AML					
PESA	Pesaro	1.48 129 AML	AML					
PESA	comp=N,1500um,1.4s	AML	AML					
PESA	comp=N,1500um,1.4s	AML	AML					
PESA	comp=N,1500um,1.4s	AML	AML					
PESA	comp=N,1500um,1.4s	AML	AML					

AGOR	Agordo	1.50 22 ePg	Pb	04 33 47.3 +0.3				
OZOL	Ozolo	1.52 355 ePg	Pb	04 33 47.4 0.0				
OZOL	Ozolo	1.52 355 ePg	Pb	04 33 47.4 0.0				
BADI	Badiiali	1.55 152 P	Pg	04 33 48.9 -0.4				
BADI	Badiiali	1.55 152 P	Pg	04 33 48.9 -0.4				
BADI	comp=N,846um,0.5s	AML	AML					
BADI	comp=N,939um,1.5s	AML	AML					
BADI	comp=N,939um,1.5s	AML	AML					
BADI	comp=N,939um,1.5s	AML	AML					
CARE	Lago del Cares	1.58 346 ePg	Pb	04 33 48.4 -0.1				
CARE	Lago del Cares	1.58 346 ePg	Pb	04 33 48.4 -0.1				
ATMC	Monte Cedrone	1.59 154 AML	AML					
ATMC	comp=E,1735um,1.1s	AML	AML					
ATMC	comp=N,1019um,0.5s	AML	AML					
ATMC	comp=N,1019um,0.5s	AML	AML					
NARO	Abbazia di Nar	1.60 143 AML	AML					
NARO	comp=N,588um,1.2s	AML	AML					
NARO	comp=N,588um,1.2s	AML	AML					
NARO	comp=N,762um,0.7s	AML	AML					
NARO	comp=N,762um,0.7s	AML	AML					
PIEI	Pieia	1.64 145 P	Pb	04 33 49.8 +0.5				
PIEI	Pieia	1.64 145 P	Pb	04 33 49.9 +0.5				
PIEI	comp=E,658um,0.7s	AML	AML					
PIEI	comp=N,728um,0.5s	AML	AML					
PIEI	comp=N,728um,0.5s	AML	AML					
PIEI	comp=N,728um,0.5s	AML	AML					
CAFI	Castiglione	1.64 161 AML	AML					
CAFI	comp=N,638um,0.6s	AML	AML					
CAFI	comp=N,638um,0.6s	AML	AML					
CAFI	comp=N,561um,0.7s	AML	AML					
CAFI	comp=N,561um,0.7s	AML	AML					
MPAG	Monte Paganuc	1.66 139 AML	AML					
MPAG	comp=N,988um,1.0s	AML	AML					
MPAG	comp=N,988um,1.0s	AML	AML					
MPAG	comp=N,988um,1.0s	AML	AML					
MPAG	comp=N,988um,1.0s	AML	AML					
ATBU	Serra di Bureau	1.69 146 AML	AML					
ATBU	comp=N,1850um,0.5s	AML	AML					
ATBU	comp=N,1850um,0.5s	AML	AML					
ATBU	comp=N,1895um,1.0s	AML	AML					
ATBU	comp=N,1895um,1.0s	AML	AML					
ABTA	Abfaltersbach	2.06 25 Pn	Pg	04 33 58.9 +0.1				
ABTA	Abfaltersbach	2.06 25 Pn	Pg	04 33 58.9 +0.1				
ABTA	Abfaltersbach	2.06 25 Pn	Pg	04 33 58.9 +0.1				
FETA	Feichten	2.16 351 Pn	Pb	04 33 58.2 -0.1				
FETA	Feichten	2.16 351 Pn	Pb	04 33 58.2 -0.1				
WTTA	Waltenberg	2.39 6 ePg	Pg	04 34 04.3 -0.9				
WTTA	comp=N,250um,0.4s	AML	AML					
MYKA	Terra Mystica	2.41 43 Pn	Pg	04 34 05.1 -0.6				
WATA	Walderalm	2.46 5 Pn	Pg	04 34 05.8 -1.6				
DAVA	Damuels	2.58 339 Pn	Pb	04 34 03.8 -1.6				
DAVA	Damuels	2.58 339 Pn	Pb	04 34 03.8 -1.6				
DAVA	Damuels	2.58 339 Pn	Pb	04 34 03.8 -1.6				
NVLJ	Novalja	2.60 96 Sn	Pn	04 34 30.0 -2.2				
RETA	Reutte	2.62 353 Pn	Pb	04 34 04.4 -1.6				
RETA	Reutte	2.62 353 Pn	Pb	04 34 04.4 -1.6				
RETA	Reutte	2.62 353 Pn	Pb	04 34 04.4 -1.6				
KBA	Koelbrennsper	2.63 33 Pn	Pg	04 34 08.8 -1.0				
SAOF	Saorge	2.80 252 S	Sn	04 34 37.8 +0.7				
SAOF	Saorge	2.80 252 S	Sn	04 34 37.8 +0.7				
SAOF	Saorge	2.80 252 S	Sn	04 34 37.8 +0.7				
OBKA	Obir	2.82 54 Pn	Pb	04 34 10.9 +1.4				
PGF	Pioggiola	2.85 216 ePn	Pn	04 34 04.2 -0.3				
PGF	Pioggiola	2.85 216 ePn	Pn	04 34 04.2 -0.3				
PGF	Pioggiola	2.85 216 ePn	Pn	04 34 04.2 -0.3				
SBF	Sospel	2.92 251 ePg	Pn	04 34 05.5 +0.1				
SBF	Sospel	2.92 251 ePg	Pn	04 34 05.5 +0.1				
SBF	Sospel	2.92 251 ePg	Pn	04 34 05.5 +0.1				
SBF	Sospel	2.92 251 ePg	Pn	04 34 05.5 +0.1				
SBF	Sospel	2.92 251 ePg	Pn	04 34 05.5 +0.1				
ESCA	l'Escarene	2.98 251 P	Sn	04 34 51.8 0.0				
OZLI	Ozalj	3.06 75 Pn	Pn	04 34 40.5 -2.7				
OZLI	Ozalj	3.06 75 Pn	Pn	04 34 39.8 -3.8				
MBDF	Montbardon	3.19 269 ePn	Pn	04 34 10.7 +1.5				
MBDF	Montbardon	3.19 269 ePn	Pn					



Table with columns: Station Name, Code, Station Name, Azimuth, Elevation, Frequency, Band, Mode, Power, SNR, etc. Includes stations like VARN Col Varnada, MABI Malga Bissina, BOB Bobbio, etc.

Table with columns: Station Name, Code, Station Name, Azimuth, Elevation, Frequency, Band, Mode, Power, SNR, etc. Includes stations like MOTA Moosalm, KBA Koelbreinsper, DAVA Damuels, etc.

Table with columns: Station Name, Code, Station Name, Azimuth, Elevation, Frequency, Band, Mode, Power, SNR, etc. Includes stations like YKA Yellowknife Ar, MKAR Makanchi Arry, ROM 20:04:57.11, etc.





Table with columns: Call Sign, Frequency, Mode, Class, Power, Status, Location, Coordinates, Elevation, etc. Includes stations like PCP Piancastagn, ARVD Arcevia, MURB Monte Urbino, etc.

Table with columns: Call Sign, Frequency, Mode, Class, Power, Status, Location, Coordinates, Elevation, etc. Includes stations like Pioggia, Sospel, Luceram, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Phase ISD, Time h m s, Res ISD. Includes stations like BARC Barichara, PAMC Pampiona, etc.

ISCJB 20 04:59:56.5.0.2, 6.81N:0.02:73:02W:0:03, h158km, 1km, mb4, 1/44, Error ellipse: s-maj=4.1km s-min=3.1km z=1.3, 9. Error ellipse: s-maj=6.1km s-min=4.4km az=122.0 NEIC 20 04:59:57.6.0.3, 6.76N:72:92W, h155km, 4km, mb4, 3/28,

20d 5h

Table with columns: SID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like San Ignacio, Houston, Jones, Ashland, Columbia, Kings Mountain, Blount Mountain, Jasper, Woodville, Hartelle, Houston, Yeager Farm, Pulaski, Westpoint, Smith Brothers, Michie, Nunnally, Cassie Pea, Waverly, Clarksville, Bowling Green, Sharon Grove, Burton Farm, Princeton, Cord, Don Dixon Farm, Wyandotte Cave, Woolly Knot Far, Ferguson Farm, Mountainview, Poplar Bluff, Greenville, Witts Springs, Magazine, Viola, Bedord North L, Skylar, Fairfri, Van Bienen, Fulton Ridge, Bloomington, Waltonville, Pettigrew, Yellville, Mountain View, Martinsville, Warren Harvey, Caledonia, Red Bud, Green Forest, Mansfield, Jilco Farms, Oil Creek Stat, Meyer Farm, Graceland, Cathedral Cave, Cathedral Cave, Luebbering, Sheridan, Clever, Binghamton, New Douglas, Lebanon, Rosebud, Lafayette, Diamond, Bolivar, Maddies Statio, Skaggs, Pawnee, Truxton, Stockton, Monticello, Winchester, Chumby, Stover, Laux Farm, Barry, Fenwick Farm, Lajitas Array, Lajitas Array, Wichita Mount, Lajitas Ar, Hopedale, Willow Grove F.

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Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Paris, Passleys Farm, Cooks Store, Salisbury, Yates City, La Belle, Preston, Kansas State U, Prairie Point, Anamosa, Lee Faris, Pleasantville, Vinton, Jewell Farm, Jewell Farm, Cornudas Mount, Loganville, Draeger Farm, Droege Farm, Phoenix Point, Decorah, Arkdale, Macleay City C, CMU Biological, Houston, Mountain, Chill, Rib Lake, Three Lakes, Holcombe, Albuquerque, LAZ, Loretta, Wakefield, EROS Data Cent, Mellen, Schro, Parkston, Great Sand Dun, Tucson, Grand Marais, Cotton, Wolsey, Goodland, Miller, Ely, Ely, Wadena, Idaho Springs, Pine Crest Far, Mesa Verde, AnnSam, Waubun, Lo Mia Camp, Bol Litterfor, Trail, Wupatki, Wupatki, Wupatki, Aery, Baudette, Wickenburg, White River Ci, Landman Farms, Ashes, Strandq, Warroad, North Rim, Rocking H Ranc, Greenbush Farm, Lac du Bonnet, Lac du Bonnet, Little Creek M, Pinedale Array, Schefferville, Schrefferville, Turquoise Moun, Goldstone, Bar, Dagmar, Dagmar, Dagmar, Big Grassy Mou, Red Top Meadow, Red Lodge, Popopah Spring.

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Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Troy Canyon, Furnace Creek, Bozeman, Hailey, Mina Array Bea, Macdoel, Newport, Pine Mountain, Umpqua Nationa, Wamic, Ore, Delet Lake, McMinville, Yellowknife Ar, Yellowknife Ar, Toumudi, Lamco, Dimbokro, Kisan Boka, Kowa, Summit, Summit, Scoresbysund, Eskdalemuir Ar, Inuvik, Torodi Ar, Bea, Danmarks Havn, Eielson Array, Eielson Array, NORSTAR Subarra, NORSTAR Array B, Hagfors, GERES Array B, Spitsbergen Ar, ARCES Array B, FINES FINESS Array B, SNAAR, ZALV, Kurchatov Ar, MKAR, Sonmigo Array, Kashi, Lanzhou, Chengdu, Alice Springs, Warramunga Ar, Chiang Mai Ar.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like EGS, EGS, EOS1, EOS1, TWPB, TWPB, TWC, TWC, NWF, WFSB, WFSB, TWE, ENAH, NANAN, NANAN, ENA, ENA, ENTT, ENTT, NWTL, NWTL, YM07, YM07, YM07.

TAP 20 05:05:31.5, 24.87N, 122.14E, h8km, ML2.8 C
JMA 20 05:05:32.4, 0.1, 24.73N, 122.15E, h0km, M2.7
ISC 20 05:05:32.3, 1.0, 24.82N, 122.14E, 0.02, h10km, 7km, 139, 0E5775, Taiwan region





Table with columns: Station Name, Position (Lat, Lon, Az, El), Time, Residual (h, m, s, ISC), and various codes (Code, Station Name, Az, El, Phase ID, ISC, Time, Res). Includes stations like Xi'an, Chengdu, Kul'dur, Hu-ho-hao-te, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, ISC, Time, Residual (h, m, s, ISC). Includes stations like ROM 20 05:30:19.0, IJCB 20 05:30:21.6, CSEM 20 05:30:21.6, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, ISC, Time, Residual (h, m, s, ISC). Includes stations like ellipse: s-maj=6.2km, RAVA Ravarino, GAZZ Gazzo Veronese, etc.



20d 5h

Table with columns for station name, code, and various numerical values. Includes stations like BRIS, SALO, VLC, BDI, MAGA, DOSS, BAG8, CTLL, MAIM, CGRP, ASQU, PLMA, and MSSA.

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Table with columns for station name, code, and various numerical values. Includes stations like MSSA, OZOL, PESA, CAFI, STAL, FUORN, ARCI, QLNQ, ABTA, FINB, RORO, WTTA, MOTA, WATA, MYKA, IMI, DAVA, RETA, KBA, VVNS, BOUS, BOUS, MOA, MOA, KHC, BRG, CLL, and MSSA.

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Table with columns for station name, code, and various numerical values. Includes stations like PNIG, ACAPULCO, TLIG, CAIG, VHO, PLIG, TPIG, ISCJB, ISC, PTBC, OCAC, ZARC, NORC, CHIC, ROSC, HELC, UREC, GUYC, VILC, RREC, DBBC, CODC, MOTC, SDV, ANIL, PRAC, SJCC, PLMC, YOTC, GUVY, HORQ, PCON, TXAR, ULM, PDAR, NVAR, YBHA, YKA, INK, ILAR, ASAR, WRA, SFK, MNAS, and AAK.

NEIC 20 05:35:24.7±0.0, 16:01N:98:51W, h10km, MD4.0(MEX), Off coast of Guerrero

NNC 20 05:48:25.4±2.4, 3:37:80N:71:41E, h0km, mb3.6, mpv3.2, 5C-3D, Error ellipse: s-maj=32.7km s-min=26.7km

AAK 2.0nm,0.8s 1Sn Sn 05 51 11.3 +1.6

ISCJB 20 05:52:44.6:0.5,37.04N:0.04:141.10E:0.06,h91km,3km, mb3.5/12,Error ellipse: s-maj=8.8km s-min=5.7km az=21.0

JMA 20 05:52:45.7:0.1,37.08N:141.04E,h89km,1km,M3.8 JMA Felt J1, IDC 20 05:52:47.3:2.0,36.92N:140.91E,h105km,21km, mb3.3/12,mb1 3.5/15,mb1mx3.7/1,mbtmp3.7/15,Error ellipse: s-maj=20.0km s-min=14.8km az=72.0

ISC 20 05:52:45.8:0.8,37.04N:0.04:141.04E:0.06,h89km,6km, n35,r144/43,mb3.5/12,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ONAJ, JFK, JHO, JFT, JMM, etc.

CSEM 20 06:05:41.7,44.84N:11.36E,h10km,ML2.3/36 ROM 20 06:05:41.7:0.2,44.839N:0.008:11.36E:0.01,h10km, ML2.3/20,Northern Italy

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SERM, RAVA, RAVARINO, etc.

Main table with columns: SEI, ROVR, POPM, PTF, SALO, SFI, CRMI, ASQU, CGRP, MAIM, CSNT, MSA, FSSB, KOSI, APPI, BRMO, ABSI. Includes station names like Scarperia, Rovera Verona, etc.

CSEM 20 06:06:15.9,44.82N:11.30E,h7km,ML2.2/2 ROM 20 06:06:15.9:0.2,44.817N:0.007:11.30E:0.01,h7km, ML2.2/1,Northern Italy

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Includes stations like RAVA, SERM, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Includes stations like FIU, MODE, SBPO, etc.

IDC 20 06:13:22.1:1.8,44.66N:11.39E,h0km,mb3.6/1, mb1 3.5/3,mb1mx3.1/65,mbtmp3.4/3,ML2.9/2,Error ellipse: s-maj=89.0km s-min=18.4km az=109.0

ROM 20 06:13:22.4:0.2,44.884N:0.005:11.17E:0.01,h0km, ML3.2/63

ISCJB 20 06:13:25.9:0.2,44.93N:0.02:11.14E:0.02,h24km,2km, mb3.2/1,Error ellipse: s-maj=2.8km s-min=2.2km az=140.6

CSEM 20 06:13:25.4:0.1,44.92N:11.18E,h10km,ML3.3/18,Error ellipse: s-maj=2.6km s-min=2.0km az=117.0

LDG 20 06:13:25.0:0.1,44.89N:11.29E,h2km,ML3.3/21,Error ellipse: s-maj=2.3km s-min=2.0km az=57.0

STR 20 06:13:29.3:0.6,45.14N:4.11E,h10km,M3.4/6,mb3.4/1, MLV3.5/2,MLV3.4/6

ISC 20 06:13:24.4:0.9,44.92N:0.01:11.16E:0.02,h13km,6km, n257,r127/300,5C-2D,Northern Italy

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SERM, RAVA, GAZZ, etc.





20d 6h

ellipse: s-maj=10.6km s-min=7.2km az=150.0
IDC 20 06:17:32.4z 2.52,48N,160.25E,h55km,23km,mb3.7/20,
mb1.3/0.2,ms1mx2.5/7.1,Error ellipse: s-maj=18.5km
s-min=13.8km az=152.0

ISC 20 06:17:26.2z 1.0,52.26N,0.04,160.79E,0.04,h17km,5.5km,
n170,1967/195,mb4.2/35,8C-2D,Off east coast of
Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like SPN Mys Shipunski, NLC Nalytchevo, RUS Russkaya, etc.

2012 MAY

Main table listing seismic events with columns: M/J, Station Name, Az, Phase ID, Time, Res. Includes events like MJAJO Matsu Arr-Jizo, MJB9 Matsu-Tunnel, etc.

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Table listing stations for event 1158, including GUMO, H1S3, H1S1, H1S2, H1N1, H1N2, H1N3, etc.

ROM 20 06:32:17.1z 0.3,44.889N,0.005:11.10E,0.01,h7km,
ML3.2/42
PRU 20 06:32:19.9z 44.92N,10.81E,h16km
LDG 20 06:32:19.4z 0.1,44.92N,11.19E,h2km,M3.6/23,Error
ellipse: s-maj=2.7km s-min=2.1km az=51.0

Table listing stations for event 1158, including RAVA, RAVB, RAVC, RAVD, RAVE, RAVF, etc.





20d 6h

Table with columns for station name, elevation, frequency, and other parameters. Includes stations like SACS San Casciano d, SACS comp=N, 152um, 0.9s, SACS comp=E, 109um, 0.8s, etc.

2012 MAY

Table with columns for station name, elevation, frequency, and other parameters. Includes stations like ORIF Oris-en-Rattie, ORIF Oris-en-Rattie, KRIF Kirchartzen, KRIF Kirchartzen, etc.

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Table with columns for station name, elevation, frequency, and other parameters. Includes stations like TGY Tagaytay City, TGY Tagaytay City, TGY 933nm, 0.3s, baz=247, slow=2.3, SNR=145, etc.

Table with columns: YJA, comp, IAML, 06 39 55.7, and various station names like YJA, YJA, YJA, etc.

Table with columns: PLCA, Paso Flores, 20.42 183 eP, P, 06 49 06.2 +1.5, and various station names like PTGA, PTGA, OTAV, etc.

Table with columns: MKAZ, Mounakai, 17.07 198 P, P, 06 57 56.0 +2.5, and various station names like HAZ, HAZ, AWAZ, etc.

SCB 20 06:44:28.3±1.3, 20:67S:69:18W, h89km, M4.5/1, Error ellipse: s-maj=37.8km s-min=15.6km az=47.0

ISCJB 20 06:44:36.0±0.3, 20:24S:0:02:69:27W, 0.17, h113km, 2km, mb4.3/3.2, Error ellipse: s-maj=10.3km s-min=3.6km az=176.6

GUC 20 06:44:36.1±1.2, 20:20S:69:19W, h98km, 6km, M4.7, NEIC 20 06:44:36.0±0.0, 20:20S:69:16W, h96km, mb4.4/2.2, M4.7(GUC), After GUC.

NEIC Tel [IV] at Alto Hospicio and Iquique; [III] at Cuya, La Tirana, Pica and Pisagua; [II] at Marina and Quillagua. IDC 20 06:44:36.0±0.5, 20:12S:68.94W, h103km, 4km, mb4.1/1.5, mb1.4/2.17, mb1mx4.0/4.0, mbtmp4.5/17, MS3.1/2, Ms1.3/1.2, ms1mx2.8/3.8, Error ellipse: s-maj=17.3km s-min=12.3km az=83.0

ISC 20 06:44:35.7±0.4, 20:28S:0:03:69:17W, 0.06, h103km, 3km, h103km:pp-P, n104, e169/126, mb4.3/3.2, 10C-3D, Northern Chile

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, and various station names like IPOC Station P, IPOC Station P, IPOC Station P, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, and various station names like WAKE ISLAND Hy27.47 278 T, WAKE ISLAND Hy27.48 278 T, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, and various station names like Kuril'sk, Kuril'sk, Kuril'sk, etc.

ISCJB 20 06:54:19.9±0.5, 20:87S:0:06:178:3W, 0.1, h450km, mb3.7/1.3, Error ellipse: s-maj=16.0km s-min=8.2km az=11.7, IDC 20 06:54:19.9±2.2, 21:02S:178:27W, h440km, 23km, mb3.4/1.3, mb1.3/6.15, mb1mx3.4/5.1, mbtmp4.3/1.5, Error ellipse: s-maj=16.7km s-min=12.6km az=105.0, ISC 20 06:54:20.6±0.5, 20:97S:0:10:178:3W, 0.1, h450km, n44, e136/413, mb3.6/1.3, Fiji Islands region





Table with columns: Station, Frequency, Power, Direction, Date/Time. Includes stations like PKI, PKIN, DMN, SOKR, GKN, MNAS, LLLB, PGC, DANN, A04D, ARU, KOLN, KK31, KKAR, SPSI, B05A, E03A, KSM, F03A, D05A, STKI, G03D, LON, LON, COR, LTY, B08A, KEBM, SKLT, TRTT, I03D, KRAB, LVZ, H04A, KBO, EDM, EDM, G05D, PRGR, I04A, DAG, DAG, L02D, C09A, G06A, HAWA, HUMO, I05D, AB31, AB31, ABKAR, NEW, NEW, NEW, JCC, AKTO, KULLO, KULLO, ARCES, KHMM, PINE, YBH, YBH, YBH, J05D, NIL, NIL, TMCR, M02C, SOEI, SOEI.

Table with columns: Station, Frequency, Power, Direction, Date/Time. Includes stations like G08A, NDI, N02D, MYKOM, M04C, K05A, WDC, WDC, KTK1, F10A, WALA, MOD, O03D, BMO, BMO, JMTT, J08A, KLMM, KLMM, KLMM, KLMM, DSRI, ORV, ORV, WVOR, WVOR, MSO, MSO, KBL, KBL, BEKR, AFDM, RDG13, RUBR, MFID, SUMG, SUMG, SUMG, PAHR, VYCR, FFC, FFC, FFC, HRY, PNTR, CMB, CMB, LRM, EGMT, EGMT, YERR, DLMT, HLID, HLID, FCC, FCC, FCC, WAKR, SMRI, MCMT, BMN, BMN, BOZ, BOZ, BOZ, BOZ, RYN, KVN, KVN, NV01, NVAR, MDPB, OMMB, NV11, QLMT, MLAC, YBH, KRJI, KPJI, MORB, YHH, YMR, GCMT, LEM, MDSI.

Table with columns: Station, Frequency, Power, Direction, Date/Time. Includes stations like YFT, MASI, SCO, SCO, YPP, SMMC, ILULI, ILULI, H17A, H17A, DBJI, IMW, FXWY, VES, RLMT, RLMT, MOOW, FIA1, FINES, PKM, TPWA, HVU, HVU, LOHW, SNOW, CWC, REDW, GRAC, ISA, ISA, ISA, BGU, DGMT, DGMT, ARVC, R11A, R11A, LAO, LAO, HYB, MPMC, HWUT, WRAB, WRAB, OSI, OSI, WB2, WRA, FURC, OBN, OBN, OBN, OBN, BLG, TPNV, TPNV, TPNV, LRM, DUG, DUG, DUG, DUG, NSS, EDW2, MSFV, TCUT, BW06, BW06, PD31, PDAR, PDAR, CTU, GEYT, GYA08, DECC, FITZ, FITZ, MWC, MWC, MWC, JLJ, NLU, SHOC.

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like GSC Goldstone, LPSR Galich, and various other locations.

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like AS31 Alice Springs, ASAR Alice Springs, and various other locations.

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like ECSD EROS Data Cent, C39A Grand Marais, and various other locations.





Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Contains station data for codes W46A through SNA4.

Table with columns: SNA4, Snae, 150.38, 196, PKPbc, PKPbc, 07 14 32.6, -0.7. Contains station data for codes WNA2 through SNA4.

Table with columns: AHML, Horco Molle, 1.44, 45, i, P, S, Pn. Contains station data for codes AHML through TVY.

Table with columns for station code, name, frequency, and signal strength. Includes stations like TYV, MDJ, KSR, KSO1, etc.

Table with columns for station code, name, frequency, and signal strength. Includes stations like CLNS, NJ2, YOJ, TATO, etc.

Table with columns for station code, name, frequency, and signal strength. Includes stations like ATKA, TIXI, GYU, CD2, etc.

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SANI	Sanana	44.35 205	P	P	07 28 04.0	-0.6
MAKI	Makanchi	44.38 300	eP	P	07 28 04.8	+0.2
MAKZ	Makanchi	44.38 300	eP	P	07 28 04.8	+0.2
MPSP	Mapaga	44.52 215	P	P	07 28 07.1	+1.2
LUWI	Luwuk	44.57 210	P	P	07 28 10.0	+3.6
SEM	Semipalatinsk	44.72 306	i/P	P	07 28 06.9	-0.7
SEM			eS	S	07 34 44.0	+0.1
BPWA	Bear Paw Mtn.	44.80 35	eP	LR	07 28 09.0	+1.3
GUWA	GUWAHATI	44.85 269	eP	P	07 28 07.7	-0.9
APSI	Ampana	44.90 212	P	P	07 28 08.9	-0.1
MLY	Manley	44.92 33	eP	P	07 28 10.0	+1.3
SUA	Susitna	44.94 38	eP	P	07 28 10.8	+1.8
BRLK	Bradley Lake	44.96 41	eP	P	07 28 10.3	+1.2
SHL	Shillong	45.02 268	eP	P	07 28 10.0	-0.2
SHL	Shillong	45.02 268	eP	P	07 28 10.0	-0.2
SHL	Shillong	45.02 268	eP	P	07 28 10.0	-0.2
TRF	Thorofare Moun	45.11 36	eP	P	07 28 11.7	+1.3
COLD	Coldfoot	45.23 30	eP	P	07 28 12.4	+1.3
AZL	Aizawl	45.36 265	eP	P	07 28 11.7	-1.2
RC01	Rabbit Creek A	45.45 39	eP	P	07 28 14.7	+1.8
BWN	Brown	45.46 34	eP	P	07 28 15.1	+2.1
TOLK	Toolik Lake Re	45.55 28	P	P	07 28 14.3	+0.6
TOLK	Toolik Lake Re	45.55 28	eP	P	07 28 14.9	+1.2
KURK	Kurchatov	45.67 306	eP	P	07 28 14.9	+0.1
KURK	Kurchatov	45.67 306	eP	P	07 28 14.6	-0.2
KURK	Kurchatov	45.67 306	eP	P	07 28 14.6	-0.2
MCK	McKinley	45.70 35	eP	P	07 28 15.8	+0.8
MCK	McKinley	45.70 35	eP	P	07 28 15.8	+0.8
MCK	McKinley	45.70 35	eP	P	07 28 15.8	+0.8
PMR	Palmer	45.71 38	eP	P	07 28 16.6	+1.8
PMR	Palmer	45.71 38	eP	P	07 28 16.7	+1.8
PMR	Palmer	45.71 38	eP	P	07 28 16.6	+1.8
KURBB	Kurchatov Arra	45.75 306	P	P	07 28 15.0	-0.4
RND	Reindeer	45.75 36	eP	P	07 28 15.3	-0.1
RND	Reindeer	45.75 36	eP	P	07 28 15.3	-0.1
RND	Reindeer	45.75 36	eP	P	07 28 15.3	-0.1
GHO	Glory Hole Cre	45.80 38	eP	P	07 28 16.8	+1.0
SAIH	SAIHA	45.82 264	eP	P	07 28 16.1	-0.3
IDM	Murphy Dome	45.95 33	eP	P	07 28 18.5	+1.4
WRH	Wood River Hill	46.06 34	eP	P	07 28 18.4	+0.7
SML	Sawmill	46.07 38	eP	P	07 28 20.0	+2.1
SML	Sawmill	46.07 38	eP	P	07 28 20.0	+2.1
SML	Sawmill	46.07 38	eP	P	07 28 20.0	+2.1
SRDT	SRDT	46.14 250	P	P	07 28 20.5	+1.6
COLA	College	46.15 33	eP	P	07 28 19.5	+1.1
COLA	College	46.15 33	eP	P	07 28 19.5	+1.1
COLA	College	46.15 33	eP	P	07 28 19.5	+1.1
CCB	Clear Creek Bu	46.17 34	eP	P	07 28 19.2	+0.6
DHUB	DHUBRI	46.25 270	eP	P	07 28 18.2	-1.5
SGKI	Sangatta, Kali	46.32 217	P	P	07 28 23.6	+3.3
AGT	Agartala	46.40 266	eP	P	07 28 23.3	+2.4
DHY	Denali Highway	46.44 36	eP	P	07 28 21.8	+0.9
SBUM	Sibu	46.52 225	eP	P	07 28 22.1	+0.3
HDA	Harding Lake	46.55 34	eP	P	07 28 21.7	+0.1
IL1	Eielson Array	46.56 34	eP	P	07 28 21.1	-0.5
ILAR	Eielson Array	46.56 34	eP	P	07 28 22.1	+0.4
ILB	Eielson Array	46.56 34	eP	P	07 28 22.3	+0.6
BELO	BELOIA	46.59 266	eP	P	07 28 20.1	-2.7
GTK	fadong	46.69 272	eP	P	07 28 22.3	+0.9
PDGK	Podgornoye	47.03 296	i/P	P	07 28 25.3	+0.5
SHLS	Shalkode	47.10 296	i/P	P	07 28 23.1	-3.3
SHLS	Shalkode	47.10 296	i/P	P	07 28 23.1	-3.3
FYU	Fort Yukon	47.18 31	eP	P	07 28 26.5	+0.1
KLU	Klutina	47.25 38	eP	P	07 28 28.6	+1.5
PAX	Paxson	47.31 36	eP	P	07 28 29.0	+1.3
PAX	Paxson	47.31 36	eP	P	07 28 29.0	+1.3
PAX	Paxson	47.31 36	eP	P	07 28 29.0	+1.3
DIV	Divide	47.36 39	eP	P	07 28 29.4	+1.4
UZB	Uzynbulak	47.41 296	i/P	P	07 28 28.7	-0.1
UZB	Uzynbulak	47.41 296	i/P	P	07 35 23.6	+0.8
UZB	Uzynbulak	47.41 296	i/P	P	07 49 05.2	
EYAK	Cordova Ski Ar	47.44 39	eP	P	07 28 29.2	+0.7
HARP	HAARP	47.51 37	eP	P	07 28 30.5	+1.4
RIDR	Independence R	47.52 35	eP	P	07 28 29.4	+0.1
KPKS	Kokpek	47.55 297	i/P	P	07 28 29.8	0.0
KPKS	Kokpek	47.55 297	i/P	P	07 28 29.8	0.0
ZHN	Zhinisheke	47.81 297	i/P	P	07 28 32.0	+0.1
ZHN	Zhinisheke	47.81 297	i/P	P	07 28 32.0	+0.1
SATY	Saty	47.87 296	i/P	P	07 28 32.5	+0.2
SATY	Saty	47.87 296	i/P	P	07 30 24.7	+0.7
SATY	Saty	47.87 296	i/P	P	07 49 16.8	
DOT	Dot Lake	47.88 35	eP	P	07 28 32.8	+0.8
SCRK	Sand Creek	47.88 35	eP	P	07 28 32.8	+0.7
BMRM	Bremner River	47.95 39	eP	P	07 28 34.1	+1.5
MTKI	Muara Tewehe, K	47.98 220	P	P	07 28 34.1	+0.8
RAGM	Ragged Mountain	47.99 39	eP	P	07 28 33.8	+0.9
PRZ	Przheval'sk	48.06 296	eP	P	07 28 34.8	+0.9
PRZ	Przheval'sk	48.06 296	eP	P	07 28 34.8	+0.9
PRZ	Przheval'sk	48.06 296	eP	P	07 28 34.8	+0.9
JIRN	Jiri	48.37 274	eP	P	07 28 37.2	+0.5

KSM	Kuching	48.39 227	eP	P	07 28 37.1	+0.7
GUN	Gumba	48.49 275	eP	P	07 28 38.0	+0.4
CRQM	Crucis	48.69 39	eP	P	07 28 39.8	+1.4
TARG	Taragay, Kyrgy	48.74 295	eP	P	07 28 40.0	+0.6
MDOK	Miedeo	48.77 297	i/P	P	07 28 39.5	+0.2
MDOK	Miedeo	48.77 297	i/P	P	07 28 39.5	+0.2
MDOK	Miedeo	48.77 297	i/P	P	07 28 39.5	+0.2
TGL	Tan Glacier	48.84 39	eP	P	07 28 39.9	+0.4
AAA	Alma-Ata	48.85 297	eP	P	07 28 40.5	+0.7
AAA	Alma-Ata	48.85 297	eP	P	07 28 40.5	+0.7
AAA	Alma-Ata	48.85 297	eP	P	07 28 40.5	+0.7
AAA	Alma-Ata	48.85 297	eP	P	07 28 41.5	+1.7
AAA	Alma-Ata	48.85 297	eP	P	07 35 53.2	+1.0
AAA	Alma-Ata	48.85 297	eP	P	07 28 41.5	+1.7
STKI	Sintang	48.91 225	P	P	07 28 42.4	+2.0
EGAK	Eagle	49.01 33	eP	P	07 28 41.1	+0.5
KKN	Kakani	49.01 275	eP	P	07 28 41.7	+0.3
KUU	Kuryu	49.02 298	i/P	P	07 28 40.8	-0.3
KUU	Kuryu	49.02 298	i/P	P	07 28 40.8	-0.3
KUU	Kuryu	49.02 298	i/P	P	07 28 40.8	-0.3
PKI	Pulchoki	49.02 274	eP	P	07 28 41.6	0.0
PKIN	Pulchoki	49.03 274	eP	P	07 28 41.6	0.0
KDJ	Kajisy	49.03 296	eP	P	07 28 41.8	+0.4
DMN	Daman	49.23 275	eP	P	07 28 43.4	+0.2
GKN	Gorkh	49.40 275	eP	P	07 28 44.5	+0.2
KBKI	Kotabaru	49.42 217	P	P	07 28 45.8	+1.5
BRZS	Berezinski	49.54 307	eP	P	07 28 44.7	-0.2
BRZS	Berezinski	49.54 307	eP	P	07 28 44.7	-0.2
ULHL	Ulahol	49.65 296	P	P	07 35 53.4	+1.1
ULHL	Ulahol	49.65 296	P	P	07 28 46.5	+0.4
BMNS	Besovnyak	49.74 297	i/P	P	07 28 47.1	+0.4
BMNS	Besovnyak	49.74 297	i/P	P	07 50 15.6	
TKM2	Tokmak 2	49.85 297	P	P	07 28 48.1	+0.4
TKM2	Tokmak 2	49.85 297	P	P	07 28 48.2	+0.5
TKM2	Tokmak 2	49.85 297	P	P	07 28 48.1	+0.4
DAWY	Dawson	49.87 34	eP	P	07 28 48.5	+1.3
DANN	Dangsing	49.91 276	eP	P	07 28 49.0	+0.7
SURT	Suratani	50.05 245	P	P	07 28 50.8	+1.7
SKLT	Songkhla	50.06 242	P	P	07 28 50.1	+0.9
BVAO	Borovoye Array	50.09 311	P	P	07 28 48.5	-0.5
BVAO	Borovoye Array	50.09 311	P	P	07 28 48.5	-0.5
BVAO	Borovoye Array	50.09 311	P	P	07 28 49.3	+0.2
NRN	Naryn	50.11 295	eP	P	07 28 49.8	+0.1
NRN	Naryn	50.11 295	eP	P	07 28 49.8	+0.1
NRN	Naryn	50.11 295	eP	P	07 28 49.8	+0.1
BRVK	Borovoye	50.14 311	eP	P	07 28 49.8	+0.4
BRVK	Borovoye	50.14 311	eP	P	07 28 49.5	+0.1
BRVK	Borovoye	50.14 311	eP	P	07 28 49.7	+0.3
BRVK	Borovoye	50.14 311	eP	P	07 28 49.7	+0.3
TRTT	Trang	50.22 243	P	P	07 28 50.3	-0.1
KOLN	Koldana	50.32 276	eP	P	07 28 51.7	+0.4
KBK	Karagaybulak	50.40 297	P	P	07 28 52.3	+0.6
KZA	Kyzart	50.40 296	P	P	07 28 53.2	+1.2
CHMS	Chumyys	50.41 298	P	P	07 28 51.9	+0.2
USP	Ospenovka	50.49 298	P	P	07 28 52.6	+0.4
FRU	Bishkek	50.56 297	i/P	P	07 28 52.0	-0.8
FRU	Bishkek	50.56 297	i/P	P	07 36 00.0	
FRU	Bishkek	50.56 297	i/P	P	07 28 52.0	-0.8
BOK	Bokaro	50.59 270	eP	P	07 28 52.0	-1.2
BOK	Bokaro	50.59 270	eP	P	07 28 55.3	
PYUN	Piuthan	50.62 276	eP	P	07 28 54.0	+0.3
AAK	Ala-Archa	50.71 297	P	P	07 28 54.2	+0.1
AAK	Ala-Archa	50.71 297	P	P	07 28 54.1	0.0
AAK	Ala-Archa	50.71 297	P	P	07 28 53.7	-0.4
AAK	Ala-Archa	50.71 297	P	P	07 28 54.1	0.0
AAK	Ala-Archa	50.71 297	P	P	07 28 54.1	0.0
AAK	Ala-Archa	50.71 297	P	P	07 28 53.8	-0.4
AAK	Ala-Archa	50.71 297	P	P	07 28 53.8	-0.4
KSH	Kashi	50.85 293	P	P	07 28 59.3	+4.2
KSH	Kashi	50.85 293	P	P	07 29 05.9	+5.1
KSH	Kashi	50.85 293	P	P	07 30 14.4	+2.7
KSH	Kashi					

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Table with columns for station name, frequency, power, and other technical details. Includes stations like ADKI, FITZ, WRAB, WRA, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like COR, LTY, KEBM, B08A, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like WALA, AKT, HOPS, O03D, etc.





Table with columns: PFO, Pinyon Flats O, 76.38 58 eP, P, 07 31 45.2 +1.3, etc. Includes entries like XPFO Pionon Flat, TPFO Pionon Flats, COP Copenhagen, etc.

Table with columns: N23A Red Feather La, 78.09 46 P, P, 07 31 53.8 +0.2, etc. Includes entries like N23A Red Feather La, CRVS Cervenica-Dub, CRVS Cervenica-1.4s, etc.

Table with columns: PRD Provadia, 79.38 318 P, P, 07 32 00.5 +0.3, etc. Includes entries like PRD Provadia, PSZ Piszkesteto, H31A Wolsey, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like H34A Spellman Lake, DJES Dierdap, EDI Edinburg, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like LPM Los Pinos Moun, H37A Dierke Farm, HPK Havahar Park, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like FOEL comp=Z,21um,21.2s, CHOS Chios Island, WLF Waiferdange, etc.

Table with columns: PPT2, comp-Z, 9um, 27.5s, eLQ, LQ, 07 55 15.3, etc. Lists various locations and their associated data points.

Table with columns: M41A, PVO, ZKR, KEK, GUR, GUR, KLV, KLV, SENIN, L43A, PDO, M42A, NPS, NPS, NPS, N40A, VAL, VAL, VAL, N41A, P39B, DRO, LAST, LAST, RLS, VLX, L44A, Q39A, N42A, M43A, IDI, IDI, IDI, P40A, VLI, WMOK, WMOK, WMOK, WMOK, OXZ, AMT, TOBO, R38A, KFL, O41A, VLS, MATE, LPIG, LPIG, ITM, ITM, ITM, N43A, VAM, DYR, AQU, AQU, P41A, IMMV, Q40A, R39A, O42A, ANKY, M44A, KLB0, S38A, PYL, PYL, PYL, HDIL, BUKO, BMRO, O43A, T38A, S39A, P42A, TUL1, TUL1, BNI, BNI, BNI, R40A, Q41A, N44A, TX31, TXAR, TXAR, BASO, ABTX, ABTX, N45A, P43A, BWO, CLWO, Q42A, T39A, S40A, PEMO, R41A, etc. Lists various locations and their associated data points.

Table with columns: TIP, TIP, TIP, HPIG, SSB, SSB, SSB, N46A, O45A, HHAR, CCM, CCM, CCM, CCM, R42A, BANO, T40A, Q43A, AAM, S41A, U39A, SFIN, SFIN, P44A, TRFO, ELQ, PLVO, PLVO, Q44A, S42A, ACTO, FVM, FVM, V39A, R43A, U40A, T41A, P45A, PKRO, TBKI, TBI, TBI, TBI, ALFO, DELO, O47A, P46A, WLVO, Q45A, T42A, W39A, R44A, V40A, V40A, S43A, TYNO, JCT, JCT, JCT, U41A, O41A, X39A, T43A, WHTX, P47A, R45A, S44A, W40A, SIUC, V41A, U42A, PBMO, MEDO, MIAR, MIAR, MIAR, LONY, LONY, T44A, WHAR, S45A, etc. Lists various locations and their associated data points.













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G35A	Watkins	80.94	37	P	P	07 32 50.3	-0.8
ECSD	EROS Data Cent	81.02	39	PFAKE	LR	07 33 00.0	+8.4
ECSD	comp=Z,11um,19.0s			LR	LR		
ECSD	EROS Data Cent	81.02	39	P	P	07 32 49.3	-2.3
RAYN	Ar Rayn	81.14	293	PFAKE	LR	07 33 00.0	+7.4
RAYN	comp=Z,26um,18.0s			LR	LR		
H35A	Sunnyside Ranch	81.17	38	P	P	07 32 51.9	-0.4
E38A	The Farm, Brul	81.23	35	P	P	07 32 51.5	-1.2
KHC	Kasperske Hory	81.23	329	eP	PP	07 32 51.7	-1.0
KHC	KHC			ePP	PP	07 35 59.3	+2.0
KHC	Kasperske Hory	81.23	329	eP	P	07 32 51.5	-1.2
KHC	comp=Z,28nm,0.9s			LR	LR		
KHC	comp=Z,23um,19.0s			LR	LR		
KHC	Kasperske Hory	81.23	329	eP	P	07 32 51.5	-1.2
KHC	KHC			pmax	pmax		
KHC	comp=Z,28nm,0.9s			MLR	MLR		
KSC0	Kaye Shedlock	81.25	46	PFAKE	LR	07 33 00.0	+6.9
KSC0	comp=Z,23um,19.0s			LR	LR		
G36A	St. Michael	81.27	37	P	P	07 32 52.3	-0.6
EKA	Eskdalemuir Ar	81.31	341	P	P	07 32 51.2	-1.6
EKA	comp=Z,1.6nm,0.8s,baz=30,slo=4.6,SNR=9.4			PP	PP	07 35 52.6	-5.1
ESK	Eskdalemuir	81.33	341	eP	P	07 32 51.6	-1.4
ESK	comp=Z,6.3nm,0.9s,baz=31,slo=8.4,SNR=3.0			LR	LR		
ESK	Eskdalemuir	81.33	341	eP	P	07 32 51.6	-1.4
ESK	comp=Z,23um,22.0s			LR	LR		
ESK	Eskdalemuir	81.33	341	eP	P	07 32 51.6	-1.4
ESK	comp=Z,55nm,1.1s			pmax	pmax		
ESK	comp=Z,23um,22.0s			MLR	MLR		
WTSB	Winterswijk	81.37	335	eX	P	07 32 50.1	-3.1
MHTCO	State Highway	81.38	49	PFAKE	LR	07 33 10.0	+16
MHTCO	comp=Z,10um,20.0s			LR	LR		
ASF	Jabal al Asfar	81.40	305	P	P	07 32 53.4	-0.6
ASF	comp=Z,1.9nm,0.9s,baz=76,slo=6.3,SNR=7.2			S	S	07 43 09.1	+4.2
GE2C	GERESS Array S	81.41	329	PFAKE	LR	07 33 00.0	+6.3
GE2C	comp=Z,0.5nm,0.3s,baz=158,slo=19,SNR=2.5			LR	LR		
GERES	GERESS Array B	81.41	329	P	P	07 32 52.5	-1.2
GERES	comp=Z,1.4nm,0.8s,baz=35,slo=4.9,SNR=8.7			S	S	07 43 08.3	+3.7
F37A	Hinrichs Farm	81.42	36	P	P	07 32 52.8	-0.9
F37A	comp=Z,1.0nm,0.9s,baz=72,slo=14,SNR=2.9			LR	LR		
GEA0	GERESS Array S	81.42	329	eP	P	07 32 51.3	-2.4
ISP	Isparta	81.44	312	eP	P	07 32 51.7	-2.3
ISP	comp=Z,1.06nm,1.3s			LR	LR		
ISP	Isparta	81.44	312	eP	P	07 32 51.7	-2.3
ISP	comp=Z,2.1um,21.0s			pmax	pmax		
ISP	comp=Z,1.06nm,1.3s			MLR	MLR		
T25A	Trinidad	81.53	48	P	P	07 32 53.4	-1.3
F38A	Pierce - Schro	81.58	35	P	P	07 32 53.4	-1.1
F38A	comp=Z,45um,18.0s			LR	LR		
GRFO	Grabenberg	81.69	331	PFAKE	LR	07 33 10.0	+15
GRFO	comp=Z,2.4um,18.0s			LR	LR		
SPMN	Marine on St.	81.72	36	PFAKE	LR	07 33 10.0	+15
SPMN	comp=Z,16um,18.0s			LR	LR		
SPMN	Marine on St.	81.72	36	P	P	07 32 54.1	-1.1
ISP3A	Creekview Farm	81.72	38	P	P	07 32 53.3	-2.0
ALN	Alexandroupoli	81.73	317	PFAKE	LR	07 33 10.0	+15
ALN	comp=Z,25um,18.0s			LR	LR		
CSS	Mathiatis	81.75	309	PFAKE	LR	07 33 10.0	+14
CSS	comp=Z,4um,21.0s			LR	LR		
MMAI	Mount Meron Ar	81.78	306	P	P	07 32 54.4	-1.6
ANMO	Albuquerque	81.82	51	PFAKE	LR	07 33 10.0	+14
ANMO	comp=Z,75nm,1.0s,baz=34,slo=6.1,SNR=9.2			LR	LR		
ANMO	Albuquerque	81.82	51	P	P	07 32 52.8	-3.4
E39A	Mellen	81.84	34	P	P	07 32 54.2	-1.7
E39A	comp=Z,1.1nm,2.4s			LR	LR		
BGNE	Belgrade	81.94	42	PFAKE	LR	07 33 10.0	+13
BGNE	comp=Z,10um,21.0s			LR	LR		
BGNE	Belgrade	81.94	42	P	P	07 32 55.7	-0.9
VTS	Vitosha	81.95	320	eP	P	07 32 54.3	-2.4
VTS	comp=Z,87nm,0.9s			LR	LR		
VTS	Vitosha	81.95	320	eP	P	07 32 54.3	-2.4
VTS	comp=Z,36um,20.0s			pmax	pmax		
VTS	comp=Z,87nm,0.9s			MLR	MLR		
F39A	Loretta	82.04	35	P	P	07 32 55.9	-1.0
F39A	comp=Z,36um,20.0s			LR	LR		
I36A	Fitzsimmons Fa	82.06	38	P	P	07 32 55.1	-2.0
E40A	Wakefield	82.08	34	P	P	07 32 56.1	-1.1
E40A	comp=Z,321			LR	LR		
MAN7	Manisa	82.08	314	PFAKE	LR	07 33 10.0	+12
MAN7	comp=Z,75um,20.0s			LR	LR		
TAU	Tasmania Unive	82.11	177	PFAKE	LR	07 33 10.0	+13
TAU	comp=Z,12um,20.0s			LR	LR		
Y22D	IRIS PASSCAL I	82.13	52	PFAKE	LR	07 33 10.0	+12
Y22D	comp=Z,14um,22.0s			LR	LR		
LPM	Los Pinos Moun	82.14	52	eP	P	07 32 59.2	+1.3
H37A	Dierke Farm, C	82.16	37	P	P	07 32 56.6	-1.0
H37A	comp=Z,30			LR	LR		
D41A	Chassel	82.16	33	P	P	07 32 57.0	-0.5
D41A	comp=Z,32			LR	LR		
G38A	Ridgeland	82.19	36	P	P	07 32 56.5	-1.3
G38A	comp=Z,30			LR	LR		
I37A	Lemond, Waseca	82.26	38	P	P	07 32 58.4	-0.3
I37A	comp=Z,320			LR	LR		
DIVS	Divibare	82.38	323	eP	P	07 32 57.4	-1.5
DIVS	comp=Z,69nm,1.0s			LR	LR		
DIVS	Divibare	82.38	323	eP	P	07 32 57.4	-1.5
DIVS	comp=Z,22um,19.0s			LR	LR		
F40A	Park Falls	82.39	34	P	P	07 32 57.6	-1.2
F40A	comp=Z,321			LR	LR		
G39A	Holcombe	82.41	35	P	P	07 32 57.5	-1.4
G39A	comp=Z,321			LR	LR		
J36A	Seneca 1, Swea	82.43	38	P	P	07 32 58.4	-0.7
J36A	comp=Z,319			LR	LR		
E41A	Kenton	82.46	34	P	P	07 32 58.2	-0.9
E41A	comp=Z,322			LR	LR		
319A	Douglas	82.47	55	PFAKE	LR	07 33 10.0	+10
319A	comp=Z,11um,20.0s			LR	LR		
SCHO	Schefferville	82.53	17	P	P	07 32 58.5	-0.9
SCHO	comp=Z,24nm,1.0s,baz=335,slo=6.7,SNR=5.3			S	S	07 43 14.5	-1.2
SCHO	Schefferville	82.53	17	eP	P	07 32 58.2	-1.1
SCHO	comp=Z,2.3nm,0.7s,baz=222,slo=20,SNR=1.4			S	S	07 43 14.5	-1.2
SCHO	Schefferville	82.53	17	eP	P	07 32 58.2	-1.1
SCHO	comp=Z,119nm,1.6s			S	S	07 43 14.5	-1.2
SCHO	Schefferville	82.53	17	eP	P	07 32 58.5	-0.9
SCHO	comp=Z,16um,20.0s			LR	LR		
PERS	Pernice	82.59	327	eP	P	07 33 03.4	+3.5
COWI	Conover	82.67	34	PFAKE	LR	07 33 10.0	+10
COWI	comp=Z,13um,18.0s			LR	LR		
HGN	Heimangroeve	82.68	334	eX	P	07 32 56.3	-3.8
HGN	Heimangroeve	82.68	334	ePP	PP	07 36 20.2	+11

MEM	Membach	82.78	334	UP	P	07 33 00.1	-0.6
J37A	Redenius Farm,	82.82	38	P	P	07 32 60.0	-1.1
J37A	comp=Z,320			LR	LR		
H39A	Augusta	82.83	36	P	P	07 33 00.6	-0.5
H39A	comp=Z,13um,22.0s			LR	LR		
HIZ	Hauti	82.83	156	PFAKE	LR	07 33 10.0	+9.2
HIZ	comp=Z,13um,22.0s			LR	LR		
I38A	Scanlan Farm,	82.84	37	P	P	07 33 00.3	-0.9
I38A	comp=Z,320			LR	LR		
G40A	Rib Lake	82.86	35	P	P	07 33 00.3	-0.9
G40A	comp=Z,321			LR	LR		
K36A	Gilmore City	82.89	39	P	P	07 32 58.8	-2.7
K36A	comp=Z,321			LR	LR		
E42A	Champion	82.93	33	P	P	07 33 00.6	-1.0
E42A	comp=Z,323			LR	LR		
HSIG	Cedar Bluff	82.94	58	eP	P	07 33 02.8	+0.9
HSIG	comp=Z,68nm,1.4s			LR	LR		
HSIG	Cedar Bluff	82.94	58	eP	P	07 33 02.8	+0.9
HSIG	comp=Z,8um,18.0s			LR	LR		
F41A	Three Lakes	82.97	34	P	P	07 33 00.1	-1.8
F41A	comp=Z,322			LR	LR		
CBKS	Cedar Bluff	82.98	45	eP	P	07 33 02.4	+0.4
CBKS	comp=Z,741nm,1.2s			LR	LR		
CBKS	Cedar Bluff	82.98	45	eP	P	07 33 02.4	+0.4
CBKS	comp=Z,21um,19.0s			LR	LR		
CBKS	Cedar Bluff	82.98	45	eP	P	07 33 02.4	+0.4
CBKS	comp=Z,741nm,1.2s			pmax	pmax		
CBKS	Cedar Bluff	82.98	45	eP	P	07 33 02.4	+0.4
CBKS	comp=Z,21um,19.0s			MLR	MLR		
CBKS	Cedar Bluff	82.98	45	eP	P	07 33 01.9	-0.2
CBKS	comp=Z,21um,19.0s			MLR	MLR		
MXZ	Metakaoa Point	83.14	153	PFAKE	LR	07 33 10.0	+7.6
MXZ	comp=Z,14um,20.0s			LR	LR		
UCC	Uccle	83.17	335	UP	P	07 32 59.3	-3.3
UCC	comp=Z,74um,19.0s			LR	LR		
UCC	Uccle	83.17	335	PFAKE	LR	07 33 10.0	+7.3
BLY	Banja Luka	83.17	325	PFAKE	LR	07 33 10.0	+7.2
BLY	comp=Z,49um,18.0s			LR	LR		
BCLA	Clavier	83.18	335	UP	P	07 32 59.4	-3.3
K37A	Belmond	83.19	38	P	P	07 33 02.4	-0.5
K37A	comp=Z,320						



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LNIG	LNIG	comp=Z,32µm,20.0s	Linares	93.17	54	PFAKE	LR	LR	07 34 00.0	+8.7
SDMD	SDMD	comp=Z,9µm,19.0s	Soldier's Dei	93.27	30	PFAKE	LR	LR	07 34 00.0	+8.5
CPCT	CPCT	comp=Z,10µm,19.0s	Cooper Cave	93.30	37	PFAKE	LR	LR	07 34 00.0	+8.3
PSUB	PSUB	comp=Z,15µm,19.0s	Penn St. - Bra	93.35	29	PFAKE	LR	LR	07 34 00.0	+8.2
TKL	TKL	comp=Z,17µm,20.0s	Tuckaleechee C	93.48	37	PFAKE	LR	LR	07 34 00.0	+7.4
BLA	BLA	comp=Z,16µm,20.0s	Blacksburg	93.68	34	PFAKE	LR	LR	07 34 00.0	+6.5
IP04	IP04	comp=Z,17µm,21.0s	Greensprings	93.90	32	PFAKE	LR	LR	07 34 10.0	+16
KEST	KEST	comp=Z,18µm,20.0s	Kesara	93.97	324	P	P	P	07 33 54.6	-0.3
IP03	IP03	comp=Z,10mm,1.0s,baz=17,slow=8.4,SNR=3.6	Louisa	94.00	32	PFAKE	LR	LR	07 34 10.0	+15
LRAL	LRAL	comp=Z,18µm,20.0s	Lakeview Retre	94.05	40	PFAKE	LR	LR	07 34 10.0	+15
IP07	IP07	comp=Z,12µm,20.0s	Quail	94.08	32	PFAKE	LR	LR	07 34 10.0	+15
IP06	IP06	comp=Z,20µm,20.0s	Yanceyville	94.08	32	PFAKE	LR	LR	07 34 10.0	+15
IP01	IP01	comp=Z,19µm,20.0s	Cuckoo	94.09	32	PFAKE	LR	LR	07 34 10.0	+15
CBN	CBN	comp=Z,19µm,20.0s	Corbin Frederi	94.10	31	PFAKE	LR	LR	07 34 10.0	+15
IP05	IP05	comp=Z,24µm,20.0s	Hopewell Churc	94.27	31	PFAKE	LR	LR	07 34 10.0	+14
BG3	BG3	comp=Z,19µm,20.0s	Lake Jocassee	94.42	37	PFAKE	LR	LR	07 34 10.0	+13
PBRG	PBRG	comp=Z,19µm,18.0s	Braganca	94.63	338	iP	P	P	07 34 01.8	+4.0
NCAT	NCAT	comp=Z,19µm,18.0s	North Carolina	94.92	34	PFAKE	LR	LR	07 34 10.0	+11
GVAV	GVAV	comp=Z,20µm,20.0s	Gavira, Arco	94.92	339	iP	P	P	07 34 02.2	+3.0
KMSC	KMSC	comp=Z,19µm,20.0s	Kings Mountain	95.02	35	PFAKE	LR	LR	07 34 10.0	+10
PAULI	PAULI	comp=Z,17µm,19.0s	Pauline	95.07	36	PFAKE	LR	LR	07 34 10.0	+10
PCAB	PCAB	comp=Z,15µm,19.0s	Cabril	95.09	339	iP	P	P	07 34 02.2	+2.3
MVO	MVO	comp=Z,15µm,19.0s	Moncorvo	95.11	339	iP	P	P	07 34 03.8	+2.9
FOLD	FOLD	comp=Z,15µm,19.0s	Lake Mead de Olo	95.33	338	iP	P	P	07 34 03.8	+2.7
HODGE	HODGE	comp=Z,12µm,20.0s	Hodges	95.36	37	PFAKE	LR	LR	07 34 10.0	+6.8
PVRL	PVRL	comp=Z,12µm,20.0s	Vila Real	95.40	339	iP	P	P	07 34 07.4	+6.1
GOGA	GOGA	comp=Z,12µm,19.0s	Godfrey	95.47	38	PFAKE	LR	LR	07 34 10.0	+8.3
BRAL	BRAL	comp=Z,12µm,19.0s	Brewton	95.51	42	PFAKE	LR	LR	07 34 10.0	+8.1
JRQG	JRQG	comp=Z,12µm,20.0s	Juriquilla Cim	95.55	58	PFAKE	LR	LR	07 34 10.0	+7.4
ESDC	ESDC	comp=Z,17µm,19.0s	Sonsecia Array	95.73	335	P	P	P	07 34 04.0	+1.1
JSC	JSC	comp=Z,17µm,19.0s	Jenkinsville	95.77	36	PFAKE	LR	LR	07 34 10.0	+6.9
MOIG	MOIG	comp=Z,22µm,19.0s	Morelia	95.79	59	PFAKE	LR	LR	07 34 20.0	+16
PVIS	PVIS	comp=Z,8µm,19.0s	Viseu	95.97	338	iP	P	P	07 34 13.6	+1.0
PAB	PAB	comp=Z,8µm,19.0s	San Pablo	95.97	335	PFAKE	LR	LR	07 34 10.0	+6.0
MTE	MTE	comp=Z,39µm,19.0s	Manteigas	96.16	338	PFAKE	LR	LR	07 34 20.0	+15
MTE	MTE	comp=Z,21µm,18.0s	Manteigas	96.16	338	iP	P	P	07 34 07.9	+3.1
CNNC	CNNC	comp=Z,21µm,18.0s	Cliffs of the	96.43	338	PFAKE	LR	LR	07 34 20.0	+14
COI	COI	comp=Z,17µm,19.0s	Coimbra	96.59	339	iP	P	P	07 34 09.8	+3.1
CART	CART	comp=Z,24µm,22.0s	Cartagena	96.59	332	PFAKE	LR	LR	07 34 20.0	+13
PCAS	PCAS	comp=Z,24µm,22.0s	Casimilo, Conde	96.76	339	iP	P	P	07 34 11.0	+3.5
PMRV	PMRV	comp=Z,24µm,22.0s	Marv??o	97.02	338	ePKiKp	PP	PP	07 38 10.5	+7.2
PMRV	PMRV	comp=Z,24µm,22.0s	Marv??o	97.02	338	eS	SS	SS	07 44 53.7	+8.1
PMRV	PMRV	comp=Z,24µm,22.0s	Marv??o	97.02	338	iP	Pdf	Pdf	07 34 12.2	+3.4
TIGA	TIGA	comp=Z,24µm,22.0s	Tifton	97.03	39	PFAKE	LR	LR	07 34 20.0	+11
PTOM	PTOM	comp=Z,12µm,19.0s	Tomar	97.14	338	iP	Pdf	Pdf	07 34 13.5	+4.2
NHSC	NHSC	comp=Z,12µm,19.0s	New Hope	97.24	36	PFAKE	LR	LR	07 34 20.0	+10
UNM	UNM	comp=Z,17µm,20.0s	Universidad Na	97.36	58	PFAKE	LR	LR	07 34 20.0	+9.0
PMTG	PMTG	comp=Z,3µm,20.0s	Montargil	97.59	338	ePKiKp	PP	PP	07 38 13.2	+5.5
PESTR	PESTR	comp=Z,16µm,20.0s	Estremoz	97.59	338	iP	Pdf	Pdf	07 34 13.4	+2.1
PESTR	PESTR	comp=Z,16µm,20.0s	Estremoz	97.59	338	ePKiKp	PP	PP	07 38 13.5	+5.8
ALMR	ALMR	comp=Z,16µm,20.0s	Almeirim	97.61	338	ePKiKp	PP	PP	07 34 09.9	+1.4
PMAFR	PMAFR	comp=Z,16µm,20.0s	Mafr	98.00	339	ePKiKp	PP	PP	07 38 17.8	+7.0
EVO	EVO	comp=Z,16µm,20.0s	Evora	98.03	338	ePKiKp	PP	PP	07 38 17.0	+6.0
PBAR	PBAR	comp=Z,16µm,20.0s	Barrancos	98.07	337	ePKiKp	PP	PP	07 38 18.4	+7.1
PMST	PMST	comp=Z,16µm,20.0s	Lisbon-Monsan	98.17	339	ePKiKp	PP	PP	07 38 18.7	+6.6
PBEJ	PBEJ	comp=Z,16µm,20.0s	Beja	98.45	337	iP	Pdf	Pdf	07 34 17.0	+3.6
PNEJ	PNEJ	comp=Z,16µm,20.0s	Beja	98.45	337	ePKiKp	PP	PP	07 38 21.1	+6.8
PNCJ	PNCJ	comp=Z,16µm,20.0s	Nicolau / Gran	98.57	338	ePKiKp	PP	PP	07 38 21.8	+6.7
LVIG	LVIG	comp=Z,16µm,20.0s	Laguna Verde	98.86	55	PFAKE	LR	LR	07 34 20.7	+5.1
PCVE	PCVE	comp=Z,6µm,20.0s	Castro Verde	98.87	337	ePKiKp	PP	PP	07 38 23.4	+5.9
PVAQ	PVAQ	comp=Z,6µm,20.0s	Vaqueiros	98.87	337	iP	P	P	07 38 23.5	-0.5
PVAQ	PVAQ	comp=Z,6µm,20.0s	Vaqueiros	98.87	337	eS	SS	SS	07 45 01.9	+6.3
PVAQ	PVAQ	comp=Z,6µm,20.0s	Vaqueiros	98.87	337	eS	SS	SS	07 51 56.0	-3.7
TLIG	TLIG	comp=Z,6µm,20.0s	Tiapa	99.03	58	PFAKE	LR	LR	07 34 22.9	+5.4
PTEO	PTEO	comp=Z,11µm,18.0s	Sao Teotonio	99.15	338	ePKiKp	PP	PP	07 38 27.1	+7.5
PBDV	PBDV	comp=Z,11µm,18.0s	Barranco-do-Ve	99.20	337	ePKiKp	PP	Pdf	07 38 26.4	+6.4
MORF	MORF	comp=Z,11µm,18.0s	Marmelete	99.35	338	ePKiKp	PP	PP	07 38 27.0	+5.8
MORF	MORF	comp=Z,11µm,18.0s	Marmelete	99.35	338	iP	Pdf	Pdf	07 34 22.6	+3.4
PFVI	PFVI	comp=Z,11µm,18.0s	Vila Bisbo	99.56	338	PFAKE	LR	LR	07 34 30.0	+10
PFVI	PFVI	comp=Z,24µm,20.0s	Vila Bisbo	99.56	338	ePKiKp	PP	PP	07 38 28.7	+5.9
DWPF	DWPF	comp=Z,24µm,20.0s	Disney Wildern	100.82	39	PFAKE	LR	LR	07 34 23.9	+3.8
RER	RER	comp=Z,17µm,19.0s	Riviere de l'E	101.40	252	PFAKE	LR	LR	07 34 40.0	+12
RER	RER	comp=Z,6µm,21.0s								

2012 MAY

RTC	Rabat Centre	101.86	335	PFAKE	LR	LR	07 34 40.0	+10
MYIG	MØrida	102.04	50	PFAKE	LR	LR	07 34 40.0	+8.6
CMLA	Cha da Macela	102.43	351	PFAKE	LR	LR	07 34 40.0	+7.1
TEIG	Tepech	103.47	49	PFAKE	LR	LR	07 34 50.0	+12
BBSR	BB Station	103.89	24	PFAKE	LR	LR	07 34 50.0	+11
CCIG	Comitan	104.13	55	PFAKE	LR	LR	07 34 50.0	+9.1
ABPO	Ambohimpanom	106.48	259	PFAKE	LR	LR	07 39 10.0	
TAM	Tamanrasset	106.58	320	PFAKE	LR	LR	07 39 10.0	
MBAR	Mbarara	107.73	284	PFAKE	LR	LR	07 39 20.0	
MTDJ	Mount Denham	111.02	42	PFAKE	LR	LR	07 39 20.0	
GRTK	Grand Turk	111.26	34	PFAKE	LR	LR	07 39 20.0	
SDDR	Presa de Saban	113.41	36	PFAKE	LR	LR	07 39 30.0	
HDC	Heredia	113.92	53	PFAKE	LR	LR	07 39 30.0	
SDD	Santo Domingo	114.48	35	PFAKE	LR	LR	07 39 30.0	+13
AGP	Aguadilla	115.71	32	PFAKE	LR	LR	07 39 30.0	+10
MPR	Mayaguez	115.89	32	PFAKE	LR	LR	07 39 30.0	+10
CRPR	Cabo Rojo, PR	116.09	33	PFAKE	LR	LR	07 39 30.0	+10
OBIP	Obispado Ponce	116.26	32	PFAKE	LR	LR	07 39 30.0	+9.3
CBYP	Canovanas	116.36	31	PFAKE	LR	LR	07 39 30.0	+9.1
SJG	San Juan	116.39	32	PFAKE	LR	LR	07 39 30.0	+9.1
ABVI	Anegada Island	116.54	30	PFAKE	LR	LR	07 39 30.0	+8.8
TORD	Torodi Ar. Bea	116.63	318	PKP	PKPdf	PKP	07 39 18.7	-2.8
TORD	Torodi Ar. Bea	116.63	318	PKP	PKPdf	PKP	07 40 24.6	-3.4
STVI	Saint Thomas	116.64	30	PFAKE	LR	LR	07 39 30.0	+8.6
BCIP	Isla Barro Col	117.15	49	PFAKE	LR	LR	07 39 30.0	+7.5
VNDA	Vanda	117.31	176	PKP	PKPdf	PKP	07 39 20.6	-0.3
SMRT	St. Maarten	117.63	29	PFAKE	LR	LR	07 39 30.0	+6.7
SABA	Saba	117.97	29	PFAKE	LR	LR	07 39 40.0	+16
KOWA	Kowa	118.28	324	PFAKE	LR	LR	07 39 40.0	+15
ANWB	Willy Bob	118.45	27	PFAKE	LR	LR	07 39 40.0	+15
LSZ	Lusaka	118.93	274	ePKiKp	PKPdf	PKP	07 39 25.9	0.0
LSZ	Lusaka	118.93	274	ePKiKp	PKPdf	PKP	07 39 25.9	0.0
RPN	Rapa Nui	119.48	102	PFAKE	LR	LR	07 39 40.0	+13
GDHS	Morne Mazeau	119.75	28	PFAKE	LR	LR	07 39 40.0	+12
DFD	Fort de France	121.39	28	PFAKE	LR	LR	07 39 40.0	+9.3
HELH	Santa Helena	122.05	47	PFAKE	LR	LR	07 39 40.0	+7.6
MAW	Mawson	122.44	207	PKP	PKPdf	PKP	07 39 32.6	+1.7
SDV	Santo Domingo	122.44	41	ePKiKp	PKPdf	PKP	07 39 32.2	-0.7
SVB	Belmont	122.69	29	PFAKE	LR	LR	07 39 40.0	+6.9
BGGH	Gun Hill	123.43	27	PFAKE	LR	LR	07 39 50.0	+15
GRGR	Grenville	123.59	30					

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MAGA, CRMI, KOSI, JMA 20 07:23:33.2±0.1, 44:873N±0:005±11:41E±0:01, h5km.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MIYJ, JTH, OFD, JOM, JMK, JNBK, JCH, JAK, JAR, NEM2.

ROM 20 07:23:33.2±0.1, 44:873N±0:005±11:41E±0:01, h5km, ML3.6/70
IDC 20 07:23:34.4±1.7, 44:77N±11:30E, h0km, mb3.8/1-
ms1 2.9/1, ms1mx2-4/70, Error ellipse: s-maj=37.4km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SERM, RAVA, FIU, SBPO, MODE, OPPE, NOVE, ADRI, TEOL, PTF, VOB, IMOL, ZCCA, CGRP.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZCCA, TREG, FVND, BRIS, MARN, PRMA, ROVR, SEI, POPM, PTF, VOB, IMOL, ZCCA, CGRP.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SFI, MTLO, ASQU, MAIM, PANI, CTI, CTR, CTLL, RNI, VARN, CPGN, MABI, BOB, PLMA.











Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HAU, KHC, KASPERSKY HORY, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H11N1, H11N3, H11S1, etc.

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

JMA 20 07:51:02.4:0.4,39:64N x 143:70E, h44km, M3.5, Off east coast of Honshu

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

ROM 20 07:51:28.3:0.1,44:831N:0:005:11:44E:0:01, h10km, ML2.7/17

CSEM 20 07:51:30.1:0.2,44:82N:11:49E, h10km, ML2.7, Error ellipse: s-maj=7.9km s-min=3.8km az=103.0

PRU 20 07:51:35.1,45:03N:11:53E, h18km, Error ellipse: s-maj=18.5km s-min=15.2km az=126.0

ISC 20 07:51:39.8:0.4,39:61N:0:006:14:39E:0:05, n76, c151672, 1C-2D, Northern Italy

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

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

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









Table with columns: APPI, Appiano, 1.58, 2, AML, AML. Lists various astronomical objects and their properties.

Table with columns: LJU, Ljubljana, 2.63, 63, ePn, Pn. Lists various astronomical objects and their properties.

Table with columns: TREB, Trebinje, 5.64, 110, ePn, Pn. Lists various astronomical objects and their properties.

ISCJB 20 08:19:41.8±0.8,39:51N±0.06;143:56E±0.08, h11km, m3.9/5, MS4.7/2, Error ellipse: s-maj=9.8km s-min=7.8km. Includes details for JMA, IDC, and other astronomical data.



20d 8h

Table with columns: Station Name, Frequency, Power, Modulation, and SNR. Includes stations like NONG Nongkai, SKNT Saksinakorn, MYLMI Lahad Datu, etc.

2012 MAY

Table with columns: Station Name, Frequency, Power, Modulation, and SNR. Includes stations like GHO comp=Z,34nm,1.0s, SAIH SAHHA, WRH Wood River Hill, etc.

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Table with columns: Station Name, Frequency, Power, Modulation, and SNR. Includes stations like AAK comp=Z,34nm,1.0s, AAK Ala-Archa, UCH Uchtor, etc.

Table with columns: Station, Name, Frequency, Class, Power, and other details. Includes stations like WRAB, HYB, WRA, etc.

Table with columns: Station, Name, Frequency, Class, Power, and other details. Includes stations like NEW, COCO, COCO, etc.

Table with columns: Station, Name, Frequency, Class, Power, and other details. Includes stations like CMB, IDID, MICGM, etc.



20d 8h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like MOOW Moose Ponds, TPWA Teton Pass, SUW Suwalki, etc.

2012 MAY

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like ELZG Elazig, MSU Marysvalde, TMUT Trail Mountain, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like N23A Red Feather L, PV05 Paradox Valley, B33A Paradox and Kas, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other details. Includes entries like GOPC GO Pecny, Ondr, PRA Prague, EDU Dundee, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other details. Includes entries like VTS Vitosh, KESW Keswick, BGNE Belgrade, MOA Molin, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other details. Includes entries like HLM1 Long Mynd, BODT Bodrum, NKY Niksic, KRUS Krusevo, etc.

20d 8h

Table with columns: ID, Name, Az, El, S, P, R, Res. Includes stations like Preston, Lathrop, M40A, O38A, SANT, HTL, ANX, DSL, N40A, P38A, O39A, L42A, K43A, Q37A, M41A, ZKR, SENIN, L43A, NPS, M42A, O40A, Q38A, P39B, LAST, L44A, Q39A, N42A, IDI, M43A, P40A, WMOK, M44A, ITM, RPZ, AQU, P41A, Q40A, R39A, KLBO, M44A, S38A, HDIL, BUKO, BMRO, T38A, S39A, P42A, BNI, TUL1, R40A, Q41A, N44A, TX31, BTXAR, BASO, ABTX, N45A, BWLO, P43A, CLWO, Q42A, O44A, PEMO, S40A, TIP, R41A, SADO, HPIG, N46A, O45A, HHAR, CCM.

2012 MAY

Table with columns: ID, Name, Az, El, S, P, R, Res. Includes stations like CCM, BANO, R42A, T40A, S41A, U39A, SFIN, SFIN, TRQ, P44A, ELFO, PLVO, PLVO, Q44A, ACTO, S42A, FVM, FVM, V39A, R43A, U40A, P46A, DRWO, WLVO, Q45A, T42A, W39A, R44A, V40A, T43A, P47A, S44A, SIUC, W40A, V41A, PBMO, MEDO, MIAR, MIAR, LONY, LONY, WHAR, Q47A, V42A, R46A, W41B, ERPA, ERPA, POI, PARMO, X40A, S46A, MMNY, Y40A, R47A, ACSO, T45A, X41A, V43A, WCI, NCB, U44B, M54A, M54A.

1198

Table with columns: ID, Name, Az, El, S, P, R, Res. Includes stations like VT1, T46A, Y41A, U45A, PKME, PKME, N54A, LBNH, 833A, ATD, ATD, S48A, U46A, T47A, Z41A, ACCN, Y42A, T48A, BINY, BINY, WWT, U47A, W45A, W46A, U48A, V47A, OXF, X45A, 241A, SSPA, O56A, MCWV, V48A, W47A, Y45A, Z44A, 341A, W48A, HRV, Z50A, S47A, ESDC, TORD, TORD, V49A, KOWA, KOWA, DBIC, QSPA, ATAH, SNA, SNA, LPAZ, VNA2, VNA3, VNA1, YJV, LCO, LCO, HJA, VCA, AGUA, FSA, RTLS, AUSP, RTLL, AAG, CYA, JMA, JMA, JYJ, JRR, JSS, JWK2, JWK2, JSE, JOSM, LDG, ROM, ISCJB, CSEM, ISC, RAVA, RAVA, RAVA.



20d 8h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MA2 Magadan, TIA Tai'an, CLNS Chul'man, etc.

2012 MAY

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MOKO MOKOCHONG, KOHI KOHIMA, CMAR Chiang Mai Arr, etc.

1200

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like WRA Warramunga Arr, RES Resolute Bay, HYB Hyderabad, etc.

couple: M:3.08000x1016 NP1:3x193.00000; 827.00000; 1.82.00000; NP2:3x22.00000; 863.00000; 1.94.00000; BUJ 20 08:41:42.1, 39.48N, 143.17E, h8km, mb5.3/69, mb5.8/25, MS5.3/27, MS7.5/127
ISCJB 20 08:41:42.5-0.1, 39.54N, 143.17E, h8km, mb5.0/255, Error ellipse: s-maj=4.1km s-min=2.1km az=159.1
IDC 20 08:41:42.1-0.4, 39.46N, 143.35E, h0km, mb4.8/52, mb1.4/9/58, mb1mx4.8/84, mbmp4.8/58, ML4.3/4, MS4.9/6, MS1-9, ms1mx4.2/73, Error ellipse: s-maj=11.8km s-min=9.6km az=132.0
JMA 20 08:41:44.2-0.2, 39.40N, 143.50E, h28km, MB5.1/63, JMA Feit II J1.
NEIC 20 08:41:44.9-0.2, 39.54N, 143.12E, h10km, mb5.0/163, Error ellipse: s-maj=5.8km s-min=3.4km az=151.0
NEIC Recorded [2 JMA] in Iwate and Miyagi.
MOS 20 08:41:45.1-1.2, 39.57N, 143.21E, h26km, mb5.4/85, Error ellipse: s-maj=6.4km s-min=4.6km az=108.3
ISC 20 08:41:44.0-0.9, 39.52N, 143.23E, 0.0/4, h9km, 5km, n712, c1936/725, mb5.1/263, 42C-16D, Off east coast of

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

Main table of seismic events with columns: Station Name, Time, Res, ISC, Az, Az', Phase ID. Lists numerous earthquake events with their respective station data.

Table of seismic events for the period 2009 8h, with columns: Station Name, Time, Res, ISC, Az, Az', Phase ID. Lists events from the ZALV station.





Table with columns: Station ID, Name, Frequency, Power, Mode, and other parameters. Includes stations like DUG, EDW2, TCUT, BW06, PD31, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other parameters. Includes stations like SMCO, VOIR, B35A, MOR3A, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other parameters. Includes stations like E39A, ANMO, ANMO, ANMO, MANT, etc.

20d 8h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CLWO Collingwood, Q42A Golden Eagle, R41A Rosebud, etc.

ROM 20 08:44:45.6:0.1, 44.838N:0.005:11.43E:0.01, h10km, ML2.7/15
ISCJB 20 08:44:47.3:0.4, 44.85N:0.02:11.49E:0.05, h11km, 4km, Error ellipse: s-maj=8.7km s-min=3.2km az=10.0
CSEM 20 08:44:47.0:2.4, 44.84N:11.42E: h20km, ML2.6, Error ellipse: s-maj=8.7km s-min=4.1km az=97.0
ISC 20 08:44:47.1:1.0, 44.84N:0.02:11.40E:0.03, h14km, 7km, n65, c0562/80, 2C-1D, Northern Italy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SERM Sermidie, FIU Minerbio Fiu, RAVA Ravarino, etc.

2012 MAY

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TEOL Teolo, ZCCA Zocca, ZOVE Zovencodo, etc.

1204

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ABSI comp=E,368um,0.5s, NVLJ Novolja, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CAYA Cayambe, ANTS Antisana-Sarah, etc.

CSEM 20 08:47:14.4, 44.82N:11.51E, h10km, ML3.6/39
ROM 20 08:47:14.3:0.2, 44.823N:0.007:11.51E:0.02, h10km, M02.1/1
ISCJB 20 08:47:15.5:0.6, 44.83N:0.03:11.65E:0.05, h5km, 6km, Error ellipse: s-maj=6.3km s-min=4.7km az=16.9
ISC 20 08:47:16.5:0.9, 44.83N:0.02:11.53E:0.03, h10km, 9km, n39, c096/39, 1C, Northern Italy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FIU Minerbio Fiu, SERM Sermidie, RAVA Ravarino, etc.

Table with columns: POPM, BDI, ASQU, SALO, CGRP, CRMI, MAGA, POLC, PLMA, MSSA, KOSI, SABO, VINO, SKDS, ABSI, BOJS. Rows include station names, codes, and various numerical data points.

IDC 20 08:47:45.7: 1.4, 44.76N; 11:29E, h0km, mb3.6/2, mb1 3.7/4, mb1mx3.3/75, mbtrmp3.4/4, ML3.6/2, Error ellipse: s-maj=33.7km s-min=12.0km az=121.0 ROM 20 08:47:47.5: 0.1, 44.899N; 0:005:11.19E; 0:01, h10km, ML3.4/38 LDG 20 08:47:47.3: 0.3, 44.83N; 11:54E, h2km, ML3.7/20, Error ellipse: s-maj=6.2km s-min=3.8km az=130.0 CSEM 20 08:47:49.2: 0.1, 44.91N; 11:24E, h10km, ML3.7/16, Error ellipse: s-maj=2.7km s-min=1.9km az=126.0 PRU 20 08:47:50.0, 45.01N; 11:03E, h11km ISC 20 08:47:48.5: 0.9, 44.90N; 0:02:11.28E; 0:02, h13km; 6km, n230, s19/290, 1C-7D, Northern Italy

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Rows include stations like Sermid, Ravarino, Gazzo Veronese, Modena, Novellara, Oppiano, Mantova, Monterenzio, Eremo.

Table with columns: MTRZ, TEOL, IMOL, TREG, PRMA, FVND, MARN, BRIS, BRNO, SANR, ROVR, ERBM. Rows include station names, codes, and various numerical data points.

Table with columns: ERBM, BALD, DOSS, CGRP, MITLO, MAIM, CTLE, PANI, CTI, VARN, MABI, MABI, BOB, PLMA, CAE, MSSA. Rows include station names, codes, and various numerical data points.

20d 8h

Table with columns for station name, frequency, power, and coordinates. Includes stations like Castellina Chi, FAU Forcella Aurin, and various other locations.

2012 MAY

Table with columns for station name, frequency, power, and coordinates. Includes stations like CESI, FINB, CELB, WTTA, MYKA, WATA, MOTA, DAVA, KBA, RETA, LNSS, CIRO, OBKA, PGF, SBF, MBDF, LPGA, LPL, LMR, ARSA, ORIF, KIZ, LOMF, CHMF, CMBF, CABB, MOF, OPF, SMRF, HINF, GERES, and others.

1206

Table with columns for station name, frequency, power, and coordinates. Includes stations like GERES, ECH, CDF, KHC, HAU, VIVF, LANF, THEF, ZST, PAGF, MODS, SFTF, SMF, PRU, GPCP, ABH, MEZF, PRA, LOR, LOR, WRAC, VRAC, VRAF, SSF, AVF, BGF, BRG, VYHS, DPC, TCF, CLL, CFF, CAF, BAIF, LFF, GRR, EKA, TORD, TXAR, MKAR, CMAR, KURBB, ZALV, SONM, KSRB, AKASE, TIXI, NORSAR, and GERES.

ADC 20 08:48:55.7±0.9, 32°6'1N-85°94E, h0km, mb3.7/10, mb1.0-4.0/13, mb1mx3.7/81, mbtmp3.8/13, ML3.7/2, Error ellipse: s-maj=29.9km s-min=16.6km az=53.0
ISC/JB 20 08:48:58.8±0.8, 32.72N, 0.1x85.9E±0.2, h33km, mb3.7/10, Error ellipse: s-maj=22.8km s-min=11.2km az=147.1
ISC 20 08:49:01.0±1.0, 32.72N, 0.1x86.0E±0.2, h35km, n13, e0711/13, mb3.7/10, Xizang

Table with columns for Code, Station Name, Frequency, Power, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKAR, CMAR, KURBB, ZALV, SONM, KSRB, AKASE, TIXI, NORSAR, and GERES.

Table with columns: WRA, ASAR, YKA, ISC/JB, IDC, JMA, NEIC, ISC. Includes station names, coordinates, and times.

ISC/JB 20 08:49:33.2,0.6,39.48N,0.04,143.48E,0.06,h11km, mb4.1/21,Error ellipse: s-maj=8.1km s-min=3.7km az=37.1

IDC 20 08:49:33.2,0.9,39.41N,143.31E,h0km,mb4.0/19, mb1.4/121,mb1mx3.9,79,mbtmp4.0,21,ML3,32,Error ellipse: s-maj=21.4km s-min=6.0km az=171.0

JMA 20 08:49:34.0,2.0,39.44N,143.55E,h34km,M4.1 NEIC 20 08:49:37.4,2.1,39.49N,143.27E,h24km,14km,mb4.5/5, Error ellipse: s-maj=11.6km s-min=6.0km az=125.0

ISC 20 08:49:35.1,0.7,39.50N,0.06,143.40E,0.08,h11km,n49, e097/54,mb4.1/21,Off east coast of Honshu

Main station list table for 2012 MAY, columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC.

CSEM 20 08:51:13.5,0.3,44.86N,11.17E,h10km,ML2.4,Error ellipse: s-maj=9.4km s-min=4.6km az=118.0

ROM 20 08:51:10.7,0.1,44.89N,10.005,11.13E,0.02,h5km, ML2.4,1D,Northern Italy

Continuation of station list table for 2012 MAY, columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC.

Main station list table for 2012 MAY (continued), columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC.

ISC/JB 20 08:55:51.3,0.5,56.97N,0.04,154.82W,0.05,h66km,4km, mb3.6/15,Error ellipse: s-maj=7.6km s-min=3.8km az=166.3

NEIC 20 08:55:53.3,0.0,56.96N,154.98W,h28km,ML3.8(AEIC), After AEIC.

IDC 20 08:55:54.1,2.5,57.28N,155.09W,h50km,21km,mb3.4/16, mb1.3/619,mb1mx3.5,82,mbtmp3.7,719,ML3.7/3,Error ellipse: s-maj=22.0km s-min=14.8km az=5.0

ISC 20 08:55:53.0,1.0,57.01N,0.06,154.89W,0.04,h56km,10km,n82,e118/10,mb3.9/15,Kodiak Island region

Main station list table for 2012 MAY (continued), columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC.

Table with columns: DLBC, INK, PETK, PDAR, KLR, SPITS, TXAR, KRSR, NOA, FINES, HFS, KURBB, BVAR, EKA, AKTO, AKASO, GERES. Includes station names, coordinates, and times.

CSEM 20 09:13:00.4,44.88N,11.26E,h5km,MD2.0/6 ROM 20 09:13:00.4,0.1,44.883N,0.007,11.26E,0.02,h5km, ML2.0/3,D,Northern Italy

Main station list table for 2012 MAY (continued), columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC.



20d 9h

2012 MAY

1208

BRIS	comp=N,5270µm,1.2s	AML	AML						
BRIS	comp=N,5200µm,1.0s	AML	AML						
BRIS	comp=E,13150µm,1.2s	AML	AML						
BRIS	comp=N,13400µm,1.0s	AML	AML						
BRIS	comp=E,5270µm,1.2s	AML	AML						
BRIS	comp=E,5270µm,1.2s	AML	AML						
BRIS	comp=E,13150µm,1.2s	AML	AML						
BRIS	comp=N,5200µm,1.0s	AML	AML						
BRIS	comp=N,13400µm,1.0s	AML	AML						
ERBM	Eremo	0.76 233	P	Pn	09 13 19.5 +1.7				
ERBM	Eremo	0.76 233	P	Pn	09 13 19.5 +1.7				
ERBM	comp=E,25150µm,1.5s	AML	AML						
ERBM	comp=N,28250µm,1.0s	AML	AML						
ERBM	comp=E,26400µm,1.3s	AML	AML						
ERBM	comp=N,28150µm,1.0s	AML	AML						
ERBM	comp=E,26400µm,1.3s	AML	AML						
ERBM	comp=N,28200µm,1.0s	AML	AML						
ERBM	comp=N,28200µm,1.0s	AML	AML						
ERBM	comp=E,26400µm,1.3s	AML	AML						
ROVR	Rover 3a Verone	0.78 350	P	Pn	09 13 18.8 +0.7				
ROVR	Rover 3a Verone	0.78 350	P	Pn	09 13 18.8 +0.7				
ROVR	comp=E,38000µm,0.7s	AML	AML						
ROVR	comp=N,57850µm,0.3s	AML	AML						
ROVR	comp=E,38000µm,0.7s	AML	AML						
ROVR	comp=N,57850µm,0.3s	AML	AML						
ROVR	comp=E,38000µm,0.7s	AML	AML						
ROVR	comp=N,57850µm,0.3s	AML	AML						
ROVR	comp=N,57850µm,0.3s	AML	AML						
ROVR	comp=N,57850µm,0.3s	AML	AML						
SANR	Sandri	0.80 18	P	Pn	09 13 19.9 +1.6				
SANR	Sandri	0.80 18	P	Pn	09 13 19.9 +1.6				
SEI	Scarperta	0.83 175	P	Pn	09 13 20.9 +2.1				
SEI	Scarperta	0.83 175	P	Pn	09 13 20.9 +2.1				
SALO	Sair	0.90 325	END	Pn	09 13 21.3 +1.6				
SALO	Sair	0.90 325	END	Pn	09 13 21.3 +1.6				
SALO	comp=N,91000µm,1.1s	AML	AML						
SALO	comp=N,91000µm,1.1s	AML	AML						
SALO	comp=N,91000µm,1.1s	AML	AML						
POP	Popiglio	0.91 203	AML	AML					
POP	comp=E,16600µm,0.8s	AML	AML						
POP	comp=N,28100µm,0.9s	AML	AML						
POP	comp=E,16600µm,0.8s	AML	AML						
POP	comp=N,28100µm,0.9s	AML	AML						
POP	comp=E,16600µm,0.8s	AML	AML						
POP	comp=N,28100µm,0.9s	AML	AML						
MAGA	Magasa	1.00 334	P	Pn	09 13 23.4 +2.3				
MAGA	Magasa	1.00 334	P	Pn	09 13 23.4 +2.3				
MAGA	comp=N,12845µm,0.7s	AML	AML						
MAGA	comp=N,12845µm,0.7s	AML	AML						
MAGA	comp=N,12845µm,0.7s	AML	AML						
MAGA	comp=N,12845µm,0.7s	AML	AML						
MAGA	comp=N,12845µm,0.7s	AML	AML						
MAGA	comp=N,12845µm,0.7s	AML	AML						
SFI	Santa Sofia	1.06 156	P	Pn	09 13 24.2 +2.2				
SFI	Santa Sofia	1.06 156	P	Pn	09 13 24.2 +2.2				
SFI	comp=E,7585µm,0.9s	AML	AML						
SFI	comp=N,11900µm,1.0s	AML	AML						
SFI	comp=E,7780µm,0.9s	AML	AML						
SFI	comp=N,12350µm,1.0s	AML	AML						
SFI	comp=E,7585µm,0.8s	AML	AML						
SFI	comp=N,11900µm,1.0s	AML	AML						
SFI	comp=E,7780µm,0.9s	AML	AML						
SFI	comp=N,12350µm,1.0s	AML	AML						
SFI	comp=N,11900µm,1.0s	AML	AML						
SFI	comp=N,12350µm,1.0s	AML	AML						
SFI	comp=E,7585µm,0.8s	AML	AML						
SFI	comp=E,7780µm,0.9s	AML	AML						
CGRP	Cima Grappa	1.07 21	P	Pn	09 13 23.9 +1.7				
CGRP	Cima Grappa	1.07 21	P	Pn	09 13 23.9 +1.7				
CGRP	comp=E,9505µm,0.8s	AML	AML						
CGRP	comp=N,12845µm,0.7s	AML	AML						
CGRP	comp=E,9505µm,0.8s	AML	AML						
CGRP	comp=N,12845µm,0.7s	AML	AML						
CGRP	comp=E,9505µm,0.8s	AML	AML						
CGRP	comp=N,12845µm,0.7s	AML	AML						
CRMI	Carmignano	1.11 191	P	Pn	09 13 25.2 +2.6				
CRMI	Carmignano	1.11 191	P	Pn	09 13 25.2 +2.6				
CRMI	comp=E,7475µm,1.5s	AML	AML						
CRMI	comp=N,7965µm,1.1s	AML	AML						
CRMI	comp=E,7475µm,1.5s	AML	AML						
CRMI	comp=N,7960µm,1.1s	AML	AML						
CRMI	comp=E,7475µm,1.5s	AML	AML						
CRMI	comp=N,7960µm,1.1s	AML	AML						
MAIM	Mastiano	1.11 210	P	Pn	09 13 24.9 +2.3				
MAIM	Mastiano	1.11 210	P	Pn	09 13 24.9 +2.3				
MAIM	comp=E,12750µm,0.8s	AML	AML						
MAIM	comp=N,16800µm,0.8s	AML	AML						
MAIM	comp=E,12750µm,0.8s	AML	AML						
MAIM	comp=N,16800µm,0.8s	AML	AML						
MAIM	comp=N,16800µm,0.8s	AML	AML						
MAIM	comp=N,16800µm,0.8s	AML	AML						
ASQU	Asqua	1.15 160	P	Pn	09 13 25.8 +2.6				
ASQU	Asqua	1.15 160	P	Pn	09 13 25.8 +2.6				
ASQU	comp=E,7705µm,1.0s	AML	AML						
ASQU	comp=N,12060µm,0.7s	AML	AML						
ASQU	comp=E,7705µm,1.0s	AML	AML						
ASQU	comp=N,12060µm,0.7s	AML	AML						

ASQU	comp=N,12060µm,0.7s	AML	AML						
ASQU	comp=E,7705µm,1.0s	1.28 336	P	Pn	09 13 27.3 +2.1				
MABI	Malga Bissina	1.28 336	P	Pn	09 13 27.4 +2.2				
MABI	Malga Bissina	1.28 336	P	Pn	09 13 27.4 +2.2				
MABI	comp=E,6340µm,0.6s	AML	AML						
MABI	comp=N,1540µm,0.7s	AML	AML						
MSSA	Maissana	1.36 246	P	Pg	09 13 30.3 +3.8				
MSSA	Maissana	1.36 246	P	Pg	09 13 30.3 +3.8				
MSSA	comp=E,17050µm,0.9s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=E,17050µm,0.9s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,17050µm,0.9s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,17050µm,0.9s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,17050µm,0.9s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,17050µm,0.9s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,17050µm,0.9s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,17050µm,0.9s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,17050µm,0.9s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,17050µm,0.9s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,17050µm,0.9s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,17050µm,0.9s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,17050µm,0.9s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,17050µm,0.9s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,17050µm,0.9s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,17050µm,0.9s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,17050µm,0.9s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,17050µm,0.9s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,17050µm,0.9s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,17050µm,0.9s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,17050µm,0.9s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,17050µm,0.9s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,17050µm,0.9s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						
MSSA	comp=N,17050µm,0.9s	AML	AML						
MSSA	comp=N,15750µm,0.8s	AML	AML						





Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like DBIC, OTUK, KK31, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like EDM, PPLA, XAN, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like PVO, SRN, etc.

20d 10h

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like KARP, KARP, KARF, etc.

20d MAY

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like ALFC Alefka, BALB Balikesir, etc.

1212

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like MJAR Matushiro Arr, MAT Matsushiro, etc.





20d 10h

2012 MAY

Table with columns: Station, Frequency, Power, Modulation, Bandwidth, and other parameters. Includes stations like MAISSA, CAE, FAU, CSNT, POLC, PARC, AGOR, PESA, CARE, ATCA, KOSI, APPI, CSO, BOSI, BADI, MLNI, ATMC, BRMO, FSSB, CAFI.

Table with columns: Station, Frequency, Power, Modulation, Bandwidth, and other parameters. Includes stations like CAFI, PIEI, FROS, ATPC, MPAG, STAL, MOSI, ATVO, ATVA, FUORN, ARVD, PCP, ATTE, MURB, GEFP, VARE.

Table with columns: Station, Frequency, Power, Modulation, Bandwidth, and other parameters. Includes stations like VARE, VINO, SABO, TUE, ATCC, ROSI, FVI, ABTA, SKDS, MGAB, SACS, CASP, RISI, FETA, PTCC, FINB, AOI, CELB, CESI, ACOM.



20d 10h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Vanda, Scott Base, Roma, Teolo, Zocca, ZOVE, BRIS, TREG, MARN, ROVR, POPM, BALD, SFI, SALO, DOSS, ASQU, CGRP.

2012 MAY

Table with columns: CGRP, Cima Grappa, 1.08, 14, P, Pb, 10 19 11.4, -1.1. Includes stations like Cima Grappa, MAMA Magasa, MAIM Mastiano, PANI Panarotta, KOSI Kohlern, ABTA Abfalterbach, ROSI Roskopf, RISI Rein, NVLJ Novolja, MOTA Moosalm, MOTA Moosalm, RETA Reutte.

1216

Table with columns: IKP, In-Ko-Pah, Jac, 0.81, 304, P, Pb, 10 21 24.1, -0.1. Includes stations like In-Ko-Pah, Sam W. Stewart, GLA Glamis, GLA Glamis, GLA Glamis, CBX Cerro Bola, CBX Cerro Bola, TJIG Tijuana, Y12C Blythe, Y12C Blythe, PFO Pinyon Flats, PFO Pinyon Flats, MURC Murrieta, MURC Murrieta, Y14A Organ Pipe Nat, Y14A Organ Pipe Nat, BFCF Wickenburg, BFCF Wickenburg, SC12 San Clemente I, SC12 San Clemente I, CIS Catalina Island, CIS Catalina Island, LDFC Landfair, LDFC Landfair, MWC Mount Wilson, MWC Mount Wilson, PASC Pasadena Art C, PASC Pasadena Art C, W13A Hualapai Park, W13A Hualapai Park, GSC Goodstone, Bar, GSC Goodstone, Bar, TUC Tucson, TUC Tucson, X16A Lo Min Camp, P, X16A Lo Min Camp, P, SHPR Sheep Range, SHPR Sheep Range, WUAZ Wupatik, WUAZ Wupatik, TPNV Topopah Spring, TPNV Topopah Spring, U15A North Rim, U15A North Rim, X18A Snowflake, X18A Snowflake, LCMT Little Creek M, LCMT Little Creek M, 319A Douglas, 319A Douglas, W18A Petrified Fore, W18A Petrified Fore, CCUT Cedar City, CCUT Cedar City, SZCU Shurtz Canyon, SZCU Shurtz Canyon, PKCU Pink Cliffs, PKCU Pink Cliffs, R11A Troy Canyon, R11A Troy Canyon, R11A Troy Canyon, P11A Alder Peak, P11A Alder Peak, MTPU Mount Pierson, MTPU Mount Pierson, MSU Marysville, MSU Marysville, LAZ Ladron, LAZ Ladron, MVCO Mesa Verde, MVCO Mesa Verde, P17A Butcher Ranch, P17A Butcher Ranch, PV15 Paradox Valley, PV15 Paradox Valley, MNTX Coronado Mount, MNTX Coronado Mount, TX31 Lajitas Ar. Si, TX31 Lajitas Ar. Si.



20d 10h

2012 MAY

1218

Table with columns for station name, frequency, power, and other metrics. Includes stations like SF1, MTLO, IESO, CRMI, ASQU, PANI, BOB, PLMA, CPNG, MSSA, CAE, CSNT.

Table with columns for station name, frequency, power, and other metrics. Includes stations like CSNT, FAU, POLC, AGOR, OZOL, CARE, APPI, PIEI, CAFI, CIMO, MPAG, ATBU, BRMO, STAL, ATVO, GROG, COR1.

Table with columns for station name, frequency, power, and other metrics. Includes stations like COR1, MOSI, ABSI, PCP, VINO, SABO, FVI, ROSI, SKDS, ABTA, ROTM, TUE, ASSB, PTCC, DAVOX, RISI, FETA, CESI, FDMO, WTTA.





20d 10h

Table with columns for station code, name, coordinates, and various parameters. Includes stations like OZOL, KOSI, APPI, CARE, MOSI, ROSI, RISI, NVLJ, etc.

IDC 20 10:59:17.6:1.4, 44:77N:11:88E, h0km, mb3.5/3, mb1 3.7/6, mb1mx3.4/71, mbtrp3.5/6, ML3.2/3, Error ellipse: s-maj=38.8km s-min=13.3km az=121.0

STR 20 10:59:19.4:1.1, 45:15N:5:12E, h5km, M4.1/15, mB4.3/2, mb4.2/3, MLV4.0/15, Mw(mb)3.4/2

ISCJB 20 10:59:20.0:0.2, 44:91N:0:01:11:38E:0:02, h13km:2km, mb3.5/3, Error ellipse: s-maj=2.6km s-min=1.9km az=25.3

CSEM 20 10:59:20.3:0.1, 44:89N:11:33E, h10km, ML4.0/10, Error ellipse: s-maj=2.5km s-min=1.8km az=101.0

PRU 20 10:59:23.4, 44:93N:11:48E, h2km, ISC 20 10:59:20.1:0.8, 44:88N:0:01:11:37E:0:02, h14km:6km, n272, r1804/295, mb3.5/3, 1C-9D, Northern Italy

Main table for station data, including columns for Code, Station Name, Az, Op, ISC, Time, Res, and various parameters. Lists stations like SERM, RAVA, FIU, GAZZ, OPPE, NOV, ADRI, MNTV, etc.

2012 MAY

Main table for event data, including columns for station code, name, coordinates, and various parameters. Lists events like MNTV, MTRZ, TEOL, ZOVE, IMOL, ZCCA, TREG, FNDV, BRIS, BRIS, BRIS, BRIS, BRIS, PRMA, MARN, etc.

1220

Main table for event data, including columns for station code, name, coordinates, and various parameters. Lists events like MARN, SANR, ROVR, ERBM, POPM, PTF, SALO, SALO, SALO, VBOA, BDI, BDI, BDI, VLC, VLC, VLC, DOSS, SFI, SFI, SFI, MAGA, CGRP, CGRP, CGRP, IESO, MTL, CRMI, BAG, BAG, MAIM, etc.









1225

Table with columns for station name, frequency, mode, and other technical details. Includes stations like RAO, URZ, URZ, CTA, STKA, ASAR, WRA, VNA3, VNA2, KSR5, MKAR, FINES, HFS, AKASO, BRTR.

1225 20:11:50:22.6,0.5,24:78N-45:88W, h0km, mb4.1/25, mb1 4.2/25, mb 10m,4.0,0,0, mbtmp4.0,25, MS3, 7/29, Ms1 3.7/29, ms1 mx3.5/55, Error ellipse: s-maj=17.0km s-min=13.1km az=142.0

1225 20:11:50:23.0,3.0,24:79N-0:06:45:80W,0.0,4,h15km, mb4.5/106, MS3.7/29, Error ellipse: s-maj=8.8km s-min=5.8km az=0.5

1225 20:11:50:24.0,2.0,24:78N-45:78W, h10km, mb4.6/84, Error ellipse: s-maj=5.3km s-min=3.5km az=178.0

1225 20:11:50:24.8,0.5,24:77N-0:10:45:81W,0.0,h15km,n154, c083/133, mb4.5/106, MS3.7/29, Northern Mid-Atlantic Ridge

Main table for 1225 section with columns: Code, Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like H05S1, SJG, CRPR, SDD, SDDR, SDV, PTGA, PTGA, ROSC, SCHO, TKL, SAML, PLAL, JTS, KOWA, W41B, WHAR, V40A, W40A, WLAR, SFJD, W39A, HHAR, APG, APG, DBIC, DBIC, SIV, H10N2, H10N3, H10N1, H10S3, H10S1, H10S2, ULM, ULM, ULM, TOA1, TOA0, TORD, TORO, LPZA, LPZA, LPZA, WMOK, ABTX, AMTX, MSTX, PB11, T25A, TX31, TXAR, TXAR, TXAR, GEAO, GEAC, GERES, CPUP, BRG, NB2, NB200, NOA.

2012 MAY

Main table for 2012 MAY section with columns: Code, Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like ANMO, S2CA, S2C2, HPDG, LAZ, HFS, PV01, MVCO, RLMT, PD31, PDAH, PDAH, BW06, EGMT, VYHS, H17A, P18A, LOHW, SNOW, SNOW, YHH, REDW, YMR, IMW, SRU, TPWA, FXWY, YHB, P17A, BOZ, TCUT, TMUT, JLU, HWUT, MPU, DLMT, NLU, WUAZ, TUC, SPUT, X16A, MSU, MTPU, EDM, DUG, U15A, BGU, LCMT, CCUT, HLID, LPIG, PSUT, Y14A, YKA, MFID, SHPR, NEW, R11A, FIAO, FINES, MLR, E09A, D08A, HAWA, NV01, NVAR, NVAR, AKASG, LTY, G06A, ISA, MOD, K05A, TAHR, H04A, YBH, JCC, BR101, BR101, PLCA, IL1, ILAR, ILAR, ILB, IM3, AKTO.

2012 MAY

Table with columns for station name, frequency, mode, and other technical details. Includes stations like AXTO, BILL, BVAR, BOSA, KURK, KURB, ZAA1, ZAA0, ZALV, ZALV, SEY, MA2, MA2, TLY, PETK.

2012 MAY 20:11:55:18.6,-2.8,31:31N-140:75E, h0km, mb3.5/2, mb1 3.7/4, mb1 mx3.3/60, mbtmp3.6/4, ML3.3/2, MS3.1/1, Ms1 3.7/11, ms1 mx3.2/45, Error ellipse: s-maj=149.5km s-min=22.0km az=76.0, Southeast of Honshu

Table with columns: Code, Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like JHJ, JHJ, JJCJ, MJAR, MA2, WRA, ASAR.

2012 MAY 20:11:59:57.8,0.2,39:75N-143:55E, h21km,5km, M3.5, Off east coast of Honshu

Table with columns: Code, Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like JTH, JTH, JMWJ, JANG, JOM, JOM, JMK, JIO, JIO, JMT, JMT, JNK, JNK, JYK, JCH.

2012 MAY 20:12:02:00,39:40N,143:70E, h23km, Mw3.7 Best double couple: Ms3.47000x10^14 NP1:18167.00000, 845.00000, 1.74.00000, NP2:18167.00000, 847.1050000, 1.105.00000

2012 MAY 20:12:02:47.3,1.0,39:25N-143:75E, h0km, mb3.5/9, mb1 3.7/11, mb1 mx3.5/63, mbtmp3.5/11, ML3.4/2, Error ellipse: s-maj=25.0km s-min=19.3km az=131.0

2012 MAY 20:12:02:49.7,1.8,39:42N,0:04:143:63E,0.05, h28km,1.6km, mb3.5/9, Error ellipse: s-maj=7.8km s-min=5.0km az=38.6

2012 MAY 20:12:49.4,0.1,39:36N-143:69E, h41km, M3.6

2012 MAY 20:12:51.9,-3.7,39:40N,0:05:143:55E,0.05, h29km,28km, n30,c1506/31, mb3.5/8, Off east coast of Honshu

Main table for 2012 MAY section with columns: Code, Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like MIYJ, MIYJ, JTH, JTH, JTH, OFUJ, JOM, JOM, JOM, JMK, JMK, JIO, JIO, JIO, JYK, JYK, JOT, JNK, JNK, JNK, JKB, JFT, JCH, JAK, JAK, ASAJ, ASAJ, ASAJ, MJAR, MAT, MAT, JHJ, MA2, MA2, SEY, H1N2, H1N2, H1N1, H1N1, H1N3, H1N3, MKAR, KURB, ILAR, WRA, YKA, NVAR, NVAR, NIED, NIED, ISCBJ, ISCBJ, YKA, NVAR.

2012 12h

Table with columns for station name, frequency, mode, and other technical details. Includes stations like AXTO, BILL, BVAR, BOSA, KURK, KURB, ZAA1, ZAA0, ZALV, ZALV, SEY, MA2, MA2, TLY, PETK.

2012 12h 20:11:55:18.6,-2.8,31:31N-140:75E, h0km, mb3.5/2, mb1 3.7/4, mb1 mx3.3/60, mbtmp3.6/4, ML3.3/2, MS3.1/1, Ms1 3.7/11, ms1 mx3.2/45, Error ellipse: s-maj=149.5km s-min=22.0km az=76.0, Southeast of Honshu

Table with columns: Code, Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like JHJ, JHJ, JJCJ, MJAR, MA2, WRA, ASAR.

2012 12h 20:11:59:57.8,0.2,39:75N-143:55E, h21km,5km, M3.5, Off east coast of Honshu

Table with columns: Code, Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like JTH, JTH, JMWJ, JANG, JOM, JOM, JMK, JIO, JIO, JMT, JMT, JNK, JNK, JYK, JCH.

2012 12h 20:12:02:00,39:40N,143:70E, h23km, Mw3.7 Best double couple: Ms3.47000x10^14 NP1:18167.00000, 845.00000, 1.74.00000, NP2:18167.00000, 847.1050000, 1.105.00000

2012 12h 20:12:02:47.3,1.0,39:25N-143:75E, h0km, mb3.5/9, mb1 3.7/11, mb1 mx3.5/63, mbtmp3.5/11, ML3.4/2, Error ellipse: s-maj=25.0km s-min=19.3km az=131.0

2012 12h 20:12:02:49.7,1.8,39:42N,0:04:143:63E,0.05, h28km,1.6km, mb3.5/9, Error ellipse: s-maj=7.8km s-min=5.0km az=38.6

2012 12h 20:12:49.4,0.1,39:36N-143:69E, h41km, M3.6

2012 12h 20:12:51.9,-3.7,39:40N,0:05:143:55E,0.05, h29km,28km, n30,c1506/31, mb3.5/8, Off east coast of Honshu

Main table for 2012 12h section with columns: Code, Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like MIYJ, MIYJ, JTH, JTH, JTH, OFUJ, JOM, JOM, JOM, JMK, JMK, JIO, JIO, JIO, JYK, JYK, JOT, JNK, JNK, JNK, JKB, JFT, JCH, JAK, JAK, ASAJ, ASAJ, ASAJ, MJAR, MAT, MAT, JHJ, MA2, MA2, SEY, H1N2, H1N2, H1N1, H1N1, H1N3, H1N3, MKAR, KURB, ILAR, WRA, YKA, NVAR, NVAR, NIED, NIED, ISCBJ, ISCBJ, YKA, NVAR.



20d 12h

ISC 20 12:28:52.3:0.9,39.78N,0.07:143.45E,0.08,h6km,n29, az=157.6, Error ellipse: s-maj=6.5km s-min=3.3km

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

JMA 20 12:30:05.4:0.7,39.76N,143.56E,h24km,M3.5, Off east coast of Honshu

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

ISCJJB 20 12:36:03.8:0.3,11.36N,125.41E,0.04,h83km,3km, mb4.5/86, Error ellipse: s-maj=6.5km s-min=3.3km

MAN 20 12:36:03.6, 11.41N:125.41E,h48km,mb5.4,M4.4, MS4.6

BUI 20 12:36:05.6, 11.36N:125.34E,h96km,mb4.6/35,mb4.8/18

IDC 20 12:36:06.6:1.6,11.31N:125.35E,h96km,14km,mb4.1/39, mb1.4/243,mb1mx4,171,mbtmp4.5/43,MS3.2/6

NEIC 20 12:36:08.0:0.6,11.27N:125.26E,h109km,6km,mb4.6/43, Error ellipse: s-maj=5.9km s-min=3.3km az=68.0

NEIC Felt (I PIVS) at Borongan and (II PIVS) at Mercedes and Oras. Felt (II PIVS) at Tacloban, Leyte.

ISC 20 12:36:03.8:0.6,11.35N:125.51E,0.04,h70km,5km, n180, r150/188,mb4.6/35,4C-1D,Samar

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

2012 MAY

Main table with columns: UBPT, Station Name, Time, Res, ISC. Lists stations like Khong Chiam, Nanjing, Sakolnakorn, etc.

1226

Table with columns: ARMA, Station Name, Time, Res, ISC. Lists stations like Armidale, Petk, Petk, etc.

ISCJJB 20 12:37:38.1:0.2,8.44S,0.03:107.75E,0.02,h33km, mb4.7/75,MS3.6/10, Error ellipse: s-maj=4.9km s-min=3.4km az=10.8



20d 12h

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for stations in the 20d 12h range.

2012 MAY

Main table listing station call signs, frequencies, modes, and technical parameters for May 2012. Includes various international stations and their operational details.

1228

Table listing station call signs, frequencies, modes, and technical parameters for the 1228 range, including specific station details and operational notes.





Table with columns: SBF, SBF, Sospel, 2.94 251 ePn, Pn, 12 51 12.0 +0.5, 12 51 46.2 -0.6, AQU, L'Aquila, 2.96 148 ePn, Pn, 12 51 12.7 +1.0, LUCF, Luceram, 2.89 252 P, Pn, 12 51 13.0 +0.8, etc.

Table with columns: PRU, Pruhonice, 5.56 22 eSG, Sg, 12 53 22.7 -0.8, GOPC, Gopcey, Ondr, 5.57 24 ePN, Pn, 12 51 48.2 +0.7, BAI, Bari, 5.57 31 ePN, Pn, 12 51 46.7 +0.8, etc.

Table with columns: comp=Z, 0.7nm, 0.9s, baz=54, slow=6.4, SNR=5.0, MEX 20 12:52:28.1+0.8, 16:62N-94:97W, h134km±18km, MD4.0, Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

















20d 13h

Table with columns for event name, time, and location. Includes events like Signal de Mont, GO Pecny, Ondr, Pruhonice, and various international events like Signal de Mont, GO Pecny, Ondr, Pruhonice, etc.

2012 MAY

Table with columns for event name, time, and location. Includes events like Divibare, Bois d'Angland, BGF, and various international events like Divibare, Bois d'Angland, BGF, etc.

1238

Table with columns for event name, time, and location. Includes events like Doumbes, Les Rejaudoux, Baives, and various international events like Doumbes, Les Rejaudoux, Baives, etc.



20d 13h

Table with columns: ZEI, comp, Z, f, m, p, max, pmax, and numerical values. Includes stations like ASF, AS, BGD, GUD, EIL, etc.

2012 MAY

Table with columns: ILULI, comp, Z, f, m, p, max, pmax, and numerical values. Includes stations like SHME, SHME, DBIC, BANOM, etc.

1240

Table with columns: NIL, comp, Z, f, m, p, max, pmax, and numerical values. Includes stations like NIL, SCHO, SCHZ, DGZ, etc.





Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and other parameters. Includes stations like PETK, ISCO, WMOK, E09A, AHID, F10A, PQG, Q24, NJ2, YSS, YSS, YSS, YSS, YSS, HAWA, O20A, O20A, D05A, HLID, HLID, SMCO, BMO, BMO, BMO, LON, LON, LON, T25A, T25A, HWUT, SDCO, SDCO, KS01, KSAR, KSAR, KSAR, KSRS, KSRS, G08A, MHTCO, TCUT, MFID, HVU, HVU, HKT, HKT, HKT, JLU, S22A, S22A, ABTX, ABTX, E03A, G06A, PV15, PV07, BGU, PV04, PV09, PV01, ASAJ, ASAJ, SRU, SRU, SRU, NLU, TMUT, DUG, DUG, DUG, G03D, I05D, MVCO, RUSC, PINE, WVOR.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and other parameters. Includes stations like WVOR, JCT, JCT, JCT, J05D, I04A, ANMO, ANMO, ANMO, YUK, YUK, YUK, K05A, MTPU, LPM, BNM, ERM, ERM, MOD, LAZ, LAZ, HELC, HELC, ROSC, ROSC, PKCU, SZCU, CCUT, M04C, R11A, R11A, LCMT, U15A, YBH, YBH, MNTX, WUAZ, WUAZ, M02C, PAHR, KVN, KVN, KVN, JNU, N02D, BEKR, 121A, O03D, TX31, TXAR, TXAR, YERR, YERR, SAML, NV01, NVAR, NVAR, NVAR, X16A, SHPR, MJB9, MAJO, MAJO, MAJO, MAT, MAT, MJAR, MJAR, W13A, PSI, PSI, PSI, PSI, LNIG, IPM, JPS, APG, CCIG, 113A, 214A, JOW, JHW, OTAV, LPIG, TGY, LPAZ.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and other parameters. Includes stations like CPUP, LEM, NVL, NVL, SNA, SNA, SNA, WRA, WB2, ASAR, AS01, CASY, STKA, VNSA, SBA, SBA, ARMA, CAN, CAN, DZM.

DJA 20 13:19:35.9, 0.4, 7.5, 6.1, 10.6, 10.6, h54km±10km, M4.0/11, mb4.4/1, MLV3.9/11, Jawa

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and other parameters. Includes stations like SKJI, SKJI, CGJI, DBJI, DBJI, SBJI, LEM, LEM, CMIJ, CMIJ, KASI, KASI, MDSI, MNSI, MASI.

CSEM 20 13:21:04.0, 0.0, 3.4, 4.7, 7.3, 11.1, 3.3, h20km, ML4.1, Error ellipse: s-maj=8.1km s-min=6.7km az=65.0
ISCJB 20 13:21:05.2, 0.7, 4.4, 3.8, 10.0, 0.3, 11.4, 7.5, 0.0, 5, h6km±8km, Error ellipse: s-maj=6.1km s-min=4.7km az=39.1
ROM 20 13:21:05.3, 0.1, 4.4, 3.3, 10.0, 0.0, 0.8, 11.3, 3.5, 0.0, 1, h8km, ML4.1/11
ISC 20 13:21:05.6, 0.0, 4.4, 3.3, 10.0, 0.2, 11.3, 3.4, 0.0, 3, h13km±5km, n51, 0.6, 17.5, 1.0, Northern Italy

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and other parameters. Includes stations like T0822, T0822, T0822, T0813, T0813, RAVA, RAVA, RAVA, SERM, SERM, FIU, FIU, FIU, GAZZ, GAZZ, GAZZ, MODE, MODE, MODE, MODE, MODE, MODE, TEOL, TEOL, TEOL, TEOL, TEOL, NVAR, NVAR, NVAR, NVAR, ZOVE, ZOVE, ZOVE, TREG, TREG, TREG, ROVR, ROVR, ROVR, POPM, POPM, POPM, BALD, BALD, BALD, BDI, BDI, BDI, BDI, Voba, Voba, Voba.





Table with columns: CCSP, CCHI, GOOS, NICH, TMU, LMELE, CLCH, ROCI, ROCH, PEL, FCH, RFA, AUSP, RTLS, AMOC, AROD. Includes station names like San Pedro de C, Chillan, Hualae, Los Niches, Temuco, Cerro Calan, El Roble, San Rafael, Uspallata, Leoncito, Rodeo.

ISCJCB 20 13:56:19.70.5.11:87N:0:08:142:24E:0:07, h42km, mb4.2/19, MS3.0/1, Error ellipse: s-maj=12.7km, s-min=8.4km az=143.1

NEIC 20 13:56:22.8.1.6.11:89N:142:38E, h57km, mb4.4/1, Error ellipse: s-maj=14.2km, s-min=10.0km az=95.0

IDC 20 13:56:23.6.2.3.11:30N:142:36E, h64km, mb3.8/17, mb1.4/0.18, mb1mx3.8/55, mbtmp4.1/18, MS3.0/2, Ms1 3.0/2, ms1mx2.7/53, Error ellipse: s-maj=17.2km, s-min=14.7km az=125.0

ISC 20 13:56:21.5.0.8.11:9N:0:1:142:29E:0:10, h42km, m26, c092/23, mb4.2/19, South of Mariana Islands

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Includes stations like Guam, Port Moresby, Nakatsue, WAKE ISLAND, Korea Array, Wonju Array, etc.

CSEM 20 14:09:46.7.44:83N:11:49E, h4km, ML2.5/16

ROM 20 14:09:46.7.0.1.44:832N:0:003:11:486E:0:004, h4km, 2km, ML2.5/8, 4C-6D, Northern Italy

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Includes stations like Casumararu (Bond), Minerbio, RAVARINO, etc.

Table with columns: MAGA, KOSI. Includes station names like Magasa, Kohlern.

IASPEI 20 14:10:53.7.0.9.44:87N:0:0:11:39E:0:03, h7km, 5km, Error ellipse: s-maj=4.9km, s-min=3.6km az=103.0, 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>, 465-472, 2009

ROM 20 14:10:53.3.0.0.44:863N:0:0:11:310E:0:004, h4km, ML2.8/24

VIE 20 14:10:53.1.0.5.44:77N:11:71E, h10km, mb2.5/5, ml2.9/8, Error ellipse: s-maj=5.8km, s-min=1.7km az=129.0 42 km NE of Bologna

CSEM 20 14:10:54.1.0.3.44:89N:11:40E, h5km, ML3.3/7, Error ellipse: s-maj=7.1km, s-min=4.0km az=109.0

PRU 20 14:10:55.4.44:98N:11:75E, h14km, ISC 20 14:10:53.6.0.8.44:88N:0:02:11:40E:0:03, h8km, 6km, m84, c087/95, 7C-11D, Northern Italy

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Includes stations like Casumararu (Bond), Minerbio, RAVARINO, GAZZO, etc.

Table with columns: BRIS, FVND, MARN, ROVR, SALO, DOSS, VILCO, CIMA, MAGA, ASQU, CRMI, RNI, MABI, POLC, PLMA. Includes station names like Marana (Italy), Verona, Salir, Doss, etc.





20d 14h

CNCS	comp=N,7910um,0.2s		AML	AML			
MTLO	comp=N,9950um,0.4s						
MTLO	Montello	1.07 30	ePg	Pg	14 51 50.3 +1.0		
CRMI	Carmignano	1.07 30	ePg	Pg	14 51 50.3 +1.0		
CRMI	comp=N,850um,1.2s	1.13 193	AML	AML			
ASQU	comp=E,1030um,0.4s		AML	AML			
ASQU	comp=E,1340um,0.4s	1.14 163	AML	AML			
ASQU	comp=N,1920um,1.6s		AML	AML			
ASQU	comp=E,1340um,0.4s		AML	AML			
ASQU	comp=N,1920um,1.6s		AML	AML			
ASQU	comp=N,1920um,1.6s		AML	AML			
MAIM	Mastiano	1.15 212	AML	AML			
MAIM	comp=E,1455um,0.9s		AML	AML			
MAIM	comp=N,1720um,1.1s		AML	AML			
MAIM	comp=N,1720um,1.1s		AML	AML			
MAIM	comp=E,1455um,0.9s		AML	AML			
MAIM	comp=N,1720um,1.1s		AML	AML			
PANI	Panarotta	1.16 0	ePg	Pn	14 51 50.4 -0.2		
PANI	Panarotta	1.16 0	ePg	Pn	14 51 50.4 -0.2		
CTL8	Castelleone	1.18 290	AML	AML			
CTL8	comp=E,14450um,1.1s		AML	AML			
CTL8	comp=N,8970um,1.2s		AML	AML			
CTL8	comp=E,2740um,1.0s		AML	AML			
CTL8	comp=N,3790um,0.5s		AML	AML			
CTL8	comp=E,14450um,1.1s		AML	AML			
CTL8	comp=N,8970um,1.2s		AML	AML			
CTL8	comp=N,3790um,0.5s		AML	AML			
CTL8	comp=N,8970um,1.2s		AML	AML			
CTL8	comp=E,2740um,1.0s		AML	AML			
CTL8	comp=N,3790um,0.5s		AML	AML			
CTL8	comp=E,14450um,1.1s		AML	AML			
CTI	Castel Tesino	1.18 11	AML	AML			
CTI	comp=E,15200um,0.7s		AML	AML			
CTI	comp=N,21350um,0.3s		AML	AML			
CTI	comp=E,15200um,0.7s		AML	AML			
CTI	comp=N,21350um,0.3s		AML	AML			
CTI	comp=N,21350um,0.3s		AML	AML			
RNI	Roncone	1.20 336	ePg	Pn	14 51 50.6 -0.5		
RNI	Roncone	1.20 336	ePg	Pn	14 51 50.7 -0.5		
VARN	Col Varnada, M	1.23 26	ePg	Pb	14 51 52.0 +0.3		
VARN	Col Varnada, M	1.23 26	ePg	Pb	14 51 52.0 +0.3		
CPGN	Carpegna, Ital	1.30 147	AML	AML			
CPGN	comp=N,2345um,1.3s		AML	AML			
CPGN	comp=E,1580um,1.5s		AML	AML			
CPGN	comp=N,2202um,1.1s		AML	AML			
PLMA	Palmaria, Port	1.35 232	AML	AML			
PLMA	comp=E,979um,0.9s		AML	AML			
CAE	Caneva	1.36 34	ePg	Pb	14 51 53.9 0.0		
CAE	Caneva	1.36 34	ePg	Pb	14 51 53.9 0.0		
PARC	Parciule	1.40 152	AML	AML			
PARC	comp=E,682um,0.5s		AML	AML			
POLC	Polcenigo	1.40 35	ePg	Pb	14 51 54.8 +0.2		
POLC	Polcenigo	1.40 35	ePg	Pb	14 51 54.8 +0.2		
POLC	Polcenigo	1.40 35	AML	AML			
POLC	comp=E,4845um,0.4s		AML	AML			
POLC	comp=N,8715um,0.4s		AML	AML			
POLC	comp=N,8715um,0.4s		AML	AML			
POLC	comp=N,8715um,0.4s		AML	AML			
POLC	comp=N,8715um,0.4s		AML	AML			
POLC	comp=N,8715um,0.4s		AML	AML			
CSNT	Castellina Chi	1.42 181	AML	AML			
CSNT	comp=N,760um,1.2s		AML	AML			
FAU	Forcella Aurin	1.42 18	ePg	Pb	14 51 55.6 +0.7		
FAU	Forcella Aurin	1.42 18	ePg	Pb	14 51 55.6 +0.7		
MSSA	Maissana	1.42 247	AML	AML			
MSSA	comp=E,872um,1.1s		AML	AML			
SSP9	Sansepolcro	1.43 156	AML	AML			
SSP9	comp=N,1042um,1.6s		AML	AML			
SSP9	comp=E,1082um,1.0s		AML	AML			
PESA	Pesaro	1.44 131	AML	AML			
PESA	comp=N,1660um,1.1s		AML	AML			
AGOR	Agordo	1.48 20	ePg	Pg	14 51 56.9 -0.3		
AGOR	Agordo	1.48 20	AML	AML			
AGOR	comp=E,3565um,0.5s		AML	AML			
ATCA	Cantone	1.48 153	AML	AML			
ATCA	comp=N,4345um,1.2s		AML	AML			
ATCA	comp=E,608um,0.9s		AML	AML			
BADI	Badiali	1.53 154	AML	AML			
BADI	comp=N,692um,1.0s		AML	AML			
BADI	comp=N,692um,1.0s		AML	AML			
OZOL	Ozolo	1.53 353	ePg	Pn	14 51 56.3 +0.7		
OZOL	Ozolo	1.53 353	ePg	Pn	14 51 56.3 +0.7		
MLNI	Malnisio	1.55 35	ePg	Pb	14 51 56.6 -0.5		
MLNI	Malnisio	1.55 35	ePg	Pb	14 51 56.6 -0.5		
CSO	Casso	1.55 26	ePg	Pn	14 51 56.5 +0.6		
CSO	Casso	1.55 26	ePg	Pn	14 51 56.5 +0.6		
ATMC	Monte Cedrone	1.57 156	AML	AML			
ATMC	comp=E,937um,1.5s		AML	AML			
ATMC	comp=N,826um,0.6s		AML	AML			
KOSI	Kohlern	1.57 1	AML	AML			
KOSI	comp=E,7865um,0.4s		AML	AML			
FSSB	Fossombone	1.58 139	AML	AML			
FSSB	comp=N,1810um,0.6s		AML	AML			
FSSB	comp=N,1810um,0.6s		AML	AML			
FSSB	comp=E,2145um,0.4s		AML	AML			
APPI	Appiano	1.59 357	AML	AML			
APPI	comp=E,5535um,0.4s		AML	AML			
PIEI	Pleia	1.60 147	AML	AML			
PIEI	comp=N,4785um,0.5s		AML	AML			
PIEI	comp=E,830um,0.3s		AML	AML			
PIEI	comp=N,484um,0.8s		AML	AML			
BOSI	Bolzano	1.61 360	AML	AML			
BOSI	comp=E,11975um,0.9s		AML	AML			

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ATPC	Poggio Castell	1.62 150	AML	AML			
ATPC	comp=N,16400um,0.4s		AML	AML			
ATPC	comp=N,1056um,1.4s		AML	AML			
MPAG	Monte Paganuc	1.62 140	AML	AML			
MPAG	comp=E,1051um,0.9s		AML	AML			
MPAG	comp=N,781um,0.8s		AML	AML			
MPAG	comp=E,736um,0.6s		AML	AML			
CAFI	Castiglione Fio	1.62 163	AML	AML			
CAFI	comp=N,426um,1.3s		AML	AML			
CAFI	comp=E,509um,1.4s		AML	AML			
CAFI	comp=E,524um,1.2s		AML	AML			
CAFI	comp=N,447um,1.3s		AML	AML			
ATPI	Pietralunga -	1.63 151	AML	AML			
ATPI	comp=E,766um,1.2s		AML	AML			
ATPI	comp=N,788um,1.2s		AML	AML			
ATBU	Serra di Buran	1.66 148	AML	AML			
ATBU	comp=N,1870um,0.6s		AML	AML			
ATBU	comp=N,1605um,0.5s		AML	AML			
STAL	STALGIAL	1.68 35	AML	AML			
STAL	comp=N,3140um,0.7s		AML	AML			
STAL	comp=E,3195um,0.2s		AML	AML			
STAL	comp=E,3450um,0.4s		AML	AML			
STAL	comp=N,3300um,1.5s		AML	AML			
FROS	Frosini	1.68 184	AML	AML			
FROS	comp=N,550um,1.3s		AML	AML			
FROS	comp=E,539um,0.7s		AML	AML			
ATVO	AVT- Monte Val	1.69 152	AML	AML			
ATVO	comp=E,958um,0.7s		AML	AML			
ATVO	comp=N,670um,0.6s		AML	AML			
FRON	Frontone	1.70 143	AML	AML			
FRON	comp=N,1069um,0.6s		AML	AML			
FRON	comp=E,11630um,0.6s		AML	AML			
BRMO	Bormio	1.73 337	AML	AML			
BRMO	comp=E,2315um,0.5s		AML	AML			
BRMO	comp=N,1575um,0.8s		AML	AML			
ARVD	Arcevia	1.81 140	AML	AML			
ARVD	comp=E,562um,1.1s		AML	AML			
ARVD	comp=N,734um,1.5s		AML	AML			
MOSI	Grossomonti	1.81 343	AML	AML			
MOSI	comp=N,6945um,0.9s		AML	AML			
MOSI	comp=N,600um,0.7s		AML	AML			
MURB	Monte Urbino	1.84 152	AML	AML			
MURB	comp=E,1395um,1.1s		AML	AML			
MURB	comp=N,1615um,1.0s		AML	AML			
MURB	comp=E,1530um,1.0s		AML	AML			
MURB	comp=N,1560um,1.0s		AML	AML			
ABSI	Aberstueckl	1.84 360	AML	AML			
ABSI	comp=N,6775um,0.5s		AML	AML			
ABSI	comp=N,6775um,0.5s		AML	AML			
VINO	Villanova	1.94 44	AML	AML			
VINO	comp=N,1112um,0.7s		AML	AML			
VINO	comp=N,1645um,0.6s		AML	AML			
SNTG	Esanatoglia	2.00 144	AML	AML			
SNTG	comp=N,466um,1.3s		AML	AML			
SNTG	comp=N,497um,1.1s		AML	AML			
SKDS	Skadancia	2.01 70	ePn	Pn	14 52 02.3 +0.2		
SKDS	Skadancia	2.01 70	ePn	Pn	14 52 27.1 +0.2		
SKDS	Skadancia	2.01 70	Pn	Pn	14 52 02.3 +0.2		
SKDS	Skadancia	2.01 70	Pn	Pn	14 52 27.1 +0.2		
SKDS	Skadancia	2.01 70	Pn	Pn	14 52 27.1 +0.2		
PCP	Piancastagn	2.02 261	AML	AML			
PCP	comp=N,604um,0.5s		AML	AML			
PCP	comp=E,470um,0.4s		AML	AML			
ABTA	Abfattersbach	2.03 24	ePn	Pb	14 52 04.4 -1.0		
ABTA	comp=N,28m,0.3s,SNR=36		Sg	Sg	14 52 35.7 +1.6		
ABTA	comp=N,28m,0.3s,SNR=36		Pn	Pb	14 52 04.4 -1.0		
ABTA	comp=N,28m,0.3s,SNR=36		Sg	Sg	14 52 35.7 +1.6		
ABTA	comp=N,28m,0.3s,SNR=36		Sg	Sg	14 52 35.7 +1.6		
ARCI	Arcidosso	2.04 177	AML	AML			
ARCI	comp=N,322um,1.0s		AML	AML			
ARCI	comp=E,124um,1.0s		AML	AML			
ROSI	Roskopf	2					







Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like GEC2, GERES Array S, HFS, URZ, NB2, NOA, etc.

Table with columns: SEAG, Tbilisi Sea, DUS, Dusheti, DIGO, Kars, POSOF, etc. Includes station codes and coordinates.

Table with columns: TEOL, ADRIA, ADRI, ZCCA, ZCCA, etc. Includes station codes and coordinates.

ISCJCB 20 16:11:58.7-1.1, 32.42S; 0.03-69.88W, 0.05, h116km, 10km, Error ellipse: s-maj=7.6km s-min=4.7km az=30.1

SJA 20 16:11:58.3-0.6, 32.44S; 69.88W, h109km, 3km, ML2.7, MW3.2

GUC 20 16:11:59.0-0.7, 32.35S; 69.95W, h98km, 11km, ML2.8

ISC 20 16:12:00.2-1.9, 32.39S; 0.04-69.90W, 0.05, h103km, 15km, n15, o19, 0.24, 2C-10, Mendoza Province

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like AUSP, RTLS, ASAL, FCH, etc.

DJA 20 16:34:32.4-1.5, 3.5S; 4.12E, h19km, 15km, M4.0/6, ML4.0/6, Sulawesi

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

ISCJCB 20 16:50:58.3-0.3, 44.91N; 0.02-11.31E, 0.03, h11km, 2km, Error ellipse: s-maj=3.6km s-min=2.7km az=35.6

ROM 20 16:50:58.1-0.1, 44.865N; 0.002-11.209E, 0.004, h4km, 1km, ML3.0/39

STR 20 16:50:59.0-1.7, 45.1N; 6.1E, 1.7, h5km, M3.7/6, MLV3.7/6

CSEM 20 16:50:58.5-0.2, 44.90N; 11.28E, h5km, ML3.3/9, Error ellipse: s-maj=4.9km s-min=3.1km az=122.0

PRU 20 16:51:00.0, 44.99N; 11.00E, h17km

ISC 20 16:50:58.2-0.8, 44.91N; 0.02-11.25E, 0.02, h11km, 6km, n146, o19, 15/9, 6C-16Z, Northern Italy

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like T0822, T0822, SERM, etc.

IDC 20 16:14:03.0-2.1, 3.16S; 135.49E, h0km, mb3.8/3, mb1.4/1.5, mb1mx3.6/4.5, mbtmp4.0/5, ML3.8/2, Error ellipse: s-maj=73.4km s-min=25.9km az=74.0, Irian Jaya region

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

ATA 20 16:28:36.7-1.2, 41.31N; 44.00E, h29km, 5km, ML3.0, MW2.9

DDA 20 16:28:37.6-1.1, 41.23N; 44.06E, h7km, ML2.7

ISCJCB 20 16:28:38.1-0.5, 41.27N; 0.03-44.03E, 0.03, h3km, 5km, Error ellipse: s-maj=5.7km s-min=3.1km az=145.5

CSEM 20 16:28:38.3-0.2, 41.26N; 44.03E, h2km, ML2.6, Error ellipse: s-maj=6.8km s-min=3.0km az=153.0

TIF 20 16:28:38.5, 41.33N; 44.05E, h11km, 4km

ISC 20 16:28:38.2-0.9, 41.28N; 0.03-44.04E, 0.02, h14km, 8km, n31, o57, 7/60, Western Caucasus

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like KZR, BGD, EAK, etc.

GAZZ Gazzo Veronese 0.23 332 eP Pg 16 51 04.4 0.0

SBPO S.Benedetto Po 0.27 301 eP Pg 16 51 05.6 +0.5

SBPO S.Benedetto Po 0.27 301 eP Pg 16 51 05.5 -0.3

FIU Minerbio Fiu 0.32 147 eP Pg 16 51 04.3 -0.4

FIU Minerbio Fiu 0.32 147 eP Pg 16 51 04.3 -0.4

FIU Minerbio Fiu 0.32 147 eP Pg 16 51 04.3 -0.4

MODE Modena 0.35 217 eP Pg 16 51 05.4 +0.1

MODE Modena 0.35 217 eP Pg 16 51 05.4 +0.1

NOVE Novellara 0.40 254 eP Pg 16 51 06.4 +0.3

NOVE Novellara 0.40 254 eP Pg 16 51 06.4 +0.3

NOVE Novellara 0.40 254 eP Pg 16 51 06.4 +0.3

NOVE Novellara 0.40 254 eP Pg 16 51 06.4 +0.3

NOVE Novellara 0.40 254 eP Pg 16 51 06.4 +0.3

NOVE Novellara 0.40 254 eP Pg 16 51 06.4 +0.3

NOVE Novellara 0.40 254 eP Pg 16 51 06.4 +0.3

TEOL comp=E,5725um,0.9s AML AML

TEOL comp=N,3645um,0.3s AML AML

TEOL comp=E,5725um,0.9s AML AML

TEOL comp=N,3645um,0.3s AML AML

TEOL comp=N,3645um,0.3s AML AML

TEOL comp=E,5725um,0.9s AML AML

ADRI Adria, Italy 0.56 76 eP Pg 16 51 10.9 +0.9

ADRI Adria, Italy 0.56 76 eP Pg 16 51 10.9 +0.9

ZCCA Zocca 0.59 199 iP Pp 16 51 10.7 +0.1

ZCCA Zocca 0.59 199 iP Pp 16 51 10.7 +0.1

ZCCA Zocca 0.59 199 iP Pp 16 51 10.7 +0.1

ZCCA Zocca 0.59 199 iP Pp 16 51 10.7 +0.1

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ZCCA Zocca 0.59 199 iP Pp 16 51 10.7 +0.1

ZCCA Zocca 0.59 199 iP Pp 16 51 10.7 +0.1

ZCCA Zocca 0.59 199 iP Pp 16 51 10.7 +0.1

20d 16h

Table with columns for station name, frequency, power, and coordinates. Includes stations like DOSS, CGRP, SFI, CTLE, CRMI, PANI, ASQU, VARN, MABI, PLMA, MSSA, POLC, AGOR, OZOL, and KOSI.

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Table with columns for station name, frequency, power, and coordinates. Includes stations like KOSI, CARE, MLNI, APPI, NARO, NARO, CIMO, CAFI, MPAG, BRMO, STAL, ATVO, MOSI, ABSI, VINO, SABO, ROSI, ABTA, SKDS, RISI, FETA, and CELB.

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Table with columns for station name, frequency, power, and coordinates. Includes stations like WTTA, MYKA, WATA, MOTA, DAVA, RETA, NVLJ, KBA, OBKA, BOJS, ARSA, ORIF, KHC, MODS, PRU, VYHS, DPC, CLL, and WRA.

Table titled 'GUC 20 16:52:18.3+0.8,37.49S:73.93W,h29km,8km,ML3.7, 3C-2D, Near coast of central Chile'. Columns include Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual.

Table titled 'IDC 20 16:54:00.8-3.3,15.26S:173.77W,h0km,mb4,0/2, mb1 4.3/3,mb1mx3.6/5.4,mbtm4.1/3,ML4.6/1,MS2.4/1, Ms1 2.4/1,ms1mx2.2/39,Error ellipse: s-maj=205.3km s-min=25.5km az=150.0, Tonga Islands'. Columns include Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations ASAR Alice Springs, BRTR Keskin Array B, GERES GERES Array B.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations ASAR Alice Springs, TIR 20 17:08:28.8, SKO 20 17:08:28.3.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations T0822 Casumaru (Bond), T0823 Casumaru (Bond), T0813 Massa Finalese.

ECX 20 17:03:41.3, 0.5, 32.09N, 115.71W, h5km, MD2.4, ML2.6
MEX 20 17:03:42.8, 0.3, 32.19N, 115.68W, h16km, 19km, MD3.6
ISC 20 17:03:38.8, 1.9, 32.19N, 115.64W, 0.08,

TIR 20 17:08:28.8, 4.1, 47.21N, 20.26E, h7km, MD2.5/3
SKO 20 17:08:28.3, 4.1, 54N, 20.09E, h0km, M1.6, ML 1.9
BEO 20 17:08:31.1, 1.1, 41.53N, 20.48E, h0km,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations SERM comp=E,10450um,0.4s, SERM comp=N,22550um,0.6s.

California border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations CPBX Cerro Prieto, SGL Mount Signal, YUH Yutha Desert.

ISC 20 17:08:30.4, 1.5, 41.50N, 0.04, 20.32E, 0.04, h0km, 12km, n12, e057323, Albania

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations PNH Peshkopia, PNH PNH, OHR Ohrid, PUK Puka.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations T0812 Loc. Stoppario, T0813 Loc. Stoppario, T0814 Ravarino.

DSN 20 17:05:12.7, 0.5, 26.73N, 53.94E, h14km, 6km, ML3.6
THR 20 17:05:12.7, 1.2, 27.42N, 53.89E, h15km, ML3.9/5, Error ellipse: s-maj=25.9km s-min=11.1km az=42.0

IDC 20 17:09:07.2, 2.2, 15.86N, 98.33W, h0km, mb3.6/5, mb1 3.9/3, mb1mx3.7/4.9, mbtm3.6/9, ML3.2/4, MS3.1/6,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations GAZZ Gazzo Veronese, GAZZ Gazzo Veronese, FIU Minerbio Fiu.

TEH 20 17:05:14.2, 26.84N, 53.88E, h18km, ML3.8
CSEM 20 17:05:16.5, 0.4, 26.92N, 53.92E, h10km, ML3.8, Error ellipse: s-maj=14.5km s-min=5.7km az=41.0

ISCJB 20 17:09:09.7, 1.1, 15.98N, 0.06, 98.27W, 0.04, h29km, 7km, mb3.4/4, MS3.1/4, Error ellipse: s-maj=9.9km s-min=5.2km az=19.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations ADRI Adria, ADRI Adria, ADRI Adria, TEOL Teolo.

ISC 20 17:05:16.5, 0.5, 26.95N, 0.05, 53.95E, 0.06, h19km, mb3.5/13, MS2.9/4, Error ellipse: s-maj=10.4km s-min=4.7km az=138.2

MEX 20 17:09:11.5, 0.7, 16.01N, 98.30W, h6km, 4km, MD4.2
NEX 20 17:09:12.1, 0.0, 16.07N, 98.30W, h5km, MD4.2(MEX), After MEX.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations GAZZ Gazzo Veronese, GAZZ Gazzo Veronese, FIU Minerbio Fiu.

ISC 20 17:05:18.0, 0.7, 27.01N, 0.05, 54.06E, 0.04, h19km, n50, e0956/53, mb3.6/13, MS2.9/4, Southern Iran

ISC 20 17:09:09.2, 3.0, 16.03N, 0.07, 98.31W, 0.04, h10km, 20km, n23, e198/35, mb3.5/4, MS3.1/4, Phase ID of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations PNI Pinotepa, PNI Pinotepa, PNI Pinotepa, PNI Pinotepa.

IDC 20 17:05:21.2, 2.7, 26.98N, 54.10E, h46km, 29km, mb3.3/13, mb1 3.5/14, mb1mx3.3/6.1, mbtm3.6/14, ML3.3/1, MS3.0/5, Ms1 3.0/5, ms1mx2.5/4.2, Error ellipse: s-maj=27.6km s-min=16.4km az=59.0

ISC 20 17:09:09.2, 3.0, 16.03N, 0.07, 98.31W, 0.04, h10km, 20km, n23, e198/35, mb3.5/4, MS3.1/4, Phase ID of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations PNI Pinotepa, PNI Pinotepa, PNI Pinotepa, PNI Pinotepa.

Code Station Name Az Az' Phase ID Time Res JHRM Jahrom 1.55 344 ePn Pn 17 05 45.3 -0.9

Code Station Name Az Az' Phase ID Time Res PNI Pinotepa 0.40 26 iP Sb 17 09 18.8 +0.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations PNI Pinotepa, PNI Pinotepa, PNI Pinotepa, PNI Pinotepa.

Code Station Name Az Az' Phase ID Time Res JHRM Jahrom 1.55 344 ePn Pn 17 05 45.3 -0.9

Code Station Name Az Az' Phase ID Time Res PNI Pinotepa 0.40 26 iP Sb 17 09 18.8 +0.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations PNI Pinotepa, PNI Pinotepa, PNI Pinotepa, PNI Pinotepa.

Code Station Name Az Az' Phase ID Time Res JHRM Jahrom 1.55 344 ePn Pn 17 05 45.3 -0.9

Code Station Name Az Az' Phase ID Time Res PNI Pinotepa 0.40 26 iP Sb 17 09 18.8 +0.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations PNI Pinotepa, PNI Pinotepa, PNI Pinotepa, PNI Pinotepa.

Code Station Name Az Az' Phase ID Time Res JHRM Jahrom 1.55 344 ePn Pn 17 05 45.3 -0.9

Code Station Name Az Az' Phase ID Time Res PNI Pinotepa 0.40 26 iP Sb 17 09 18.8 +0.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations PNI Pinotepa, PNI Pinotepa, PNI Pinotepa, PNI Pinotepa.

Code Station Name Az Az' Phase ID Time Res JHRM Jahrom 1.55 344 ePn Pn 17 05 45.3 -0.9

Code Station Name Az Az' Phase ID Time Res PNI Pinotepa 0.40 26 iP Sb 17 09 18.8 +0.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations PNI Pinotepa, PNI Pinotepa, PNI Pinotepa, PNI Pinotepa.

Code Station Name Az Az' Phase ID Time Res JHRM Jahrom 1.55 344 ePn Pn 17 05 45.3 -0.9

Code Station Name Az Az' Phase ID Time Res PNI Pinotepa 0.40 26 iP Sb 17 09 18.8 +0.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations PNI Pinotepa, PNI Pinotepa, PNI Pinotepa, PNI Pinotepa.

Code Station Name Az Az' Phase ID Time Res JHRM Jahrom 1.55 344 ePn Pn 17 05 45.3 -0.9

Code Station Name Az Az' Phase ID Time Res PNI Pinotepa 0.40 26 iP Sb 17 09 18.8 +0.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations PNI Pinotepa, PNI Pinotepa, PNI Pinotepa, PNI Pinotepa.

Code Station Name Az Az' Phase ID Time Res JHRM Jahrom 1.55 344 ePn Pn 17 05 45.3 -0.9

Code Station Name Az Az' Phase ID Time Res PNI Pinotepa 0.40 26 iP Sb 17 09 18.8 +0.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations PNI Pinotepa, PNI Pinotepa, PNI Pinotepa, PNI Pinotepa.

Code Station Name Az Az' Phase ID Time Res JHRM Jahrom 1.55 344 ePn Pn 17 05 45.3 -0.9

Code Station Name Az Az' Phase ID Time Res PNI Pinotepa 0.40 26 iP Sb 17 09 18.8 +0.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations PNI Pinotepa, PNI Pinotepa, PNI Pinotepa, PNI Pinotepa.

Code Station Name Az Az' Phase ID Time Res JHRM Jahrom 1.55 344 ePn Pn 17 05 45.3 -0.9

Code Station Name Az Az' Phase ID Time Res PNI Pinotepa 0.40 26 iP Sb 17 09 18.8 +0.3















20d 17h

Table with columns: Code, Name, Time, and other identifiers. Includes entries like BGF Bois d'Angland, BRG Bergljesshubel, etc.

2012 MAY

Table with columns: Code, Name, Time, and other identifiers. Includes entries like EPF Esparrros, STHS Stebnicka Huta, etc.

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Table with columns: Code, Name, Time, and other identifiers. Includes entries like TMCR Tamitsa, GNI Garni, etc.





Table with columns: Station Name, Azimuth, Distance, Magnitude, Phase ID, Time, Residual. Includes stations like PSI Prapat, CMAR Chiang Mai Arr, H08S2 Diego Garcia H, etc.

ISC/JCB 20 18:11:25.9-0.3, 44.90N-0.02-11.39E-0.02, h7km, 2km, Error ellipse: s-maj=3.1km s-min=2.1km az=41.3
IASPEI 20 18:11:26.4-0.8, 44.90N-0.02-11.25E-0.03, h13km, 4km, Error ellipse: s-maj=3.9km s-min=2.5km az=104.4, GT5 selection from ISC bulletin GT5 identified by Bond'jr and McLaughlin (2009) selection criteria Bond'jr and McLaughlin, A new ground truth data set for seismic studies, <b>Seism. Res. Let.</b>, <b>80</b>, 465-472, 2009

ROM 20 18:11:26.5-0.0, 44.862N-0.001-11.235E-0.003, h8km, ML3, 3/65

CSEM 20 18:11:26.3-0.1, 44.88N-11.36E, h5km, ML3.6/12, Error ellipse: s-maj=3.5km s-min=2.4km az=125.0

PRU 20 18:11:28.3, 44.97N-11.01E, h26km

ISC 20 18:11:26.2-0.8, 44.90N-0.02-11.28E-0.02, h14km, 4km, n205, 1540/218, 1C-4D, Northern Italy

Main table listing station names, coordinates, and seismic data for stations in Northern Italy. Includes stations like Massa Finalese, Loc. Stoppiano, Casumarù (Bond), Casumarù (Bond), etc.

Main table listing station names, coordinates, and seismic data for stations in Northern Italy. Includes stations like Fontana Vidola, BRIS BRISIGHELLA, ERMO Eremo, etc.

Main table listing station names, coordinates, and seismic data for stations in Northern Italy. Includes stations like ASQU, RNI Roncone, CTI Castel Tesino, etc.







20d 19h

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Table with columns: Station Name, Frequency, Band, Mode, SNR, and other technical details. Includes stations like Cima Grappa, Montello, Carmignano, Roncone, Col Varnada, etc.

Table with columns: Station Name, Frequency, Band, Mode, SNR, and other technical details. Includes stations like Lago del Cares, KOSI, Appiano, Malnisio, etc.

Table with columns: Station Name, Frequency, Band, Mode, SNR, and other technical details. Includes stations like FETA, WTTA, MYKA, MOTA, WATA, etc.

ISCJB 20 19:39:32.0 0.5 20.84S 0.03 69.10W 0.09 h117km, 5km, mb4, 0/4. Error ellipse: s-maj=13.5km s-min=4.7km az=1.4
GUC 20 19:39:32.0 0.6 20.85S 69.21W, h113km, 3km, MLL 0.4
IDC 20 19:39:34.3 1.1 20.74S 68.84W, h114km, 6km, mb3, 7/3, mb1 3.77, mb1mx3.4/38, mbtmp4.0/7, MS2.7/3, Ms1 2.8/3, ms1mx2.5/44, Error ellipse: s-maj=29.4km s-min=20.5km az=95.0
ISC 20 19:39:32.6 0.7 20.80S 0.03 69.06W 0.08, h116km, 5km, n24, 01982/37, mb4, 1/4, 6C-3D, Northern Chile





ellipse: s-maj=28.8km s-min=11.5km az=34.0
ISCJB 20:39:54.0, 0.2, 22.2S; 0'03.68, 42W, 0.05, h116km, 3km,
mb4.3/37, Error ellipse: s-maj=5.2km az=5.1
GUC 20:39:56.3, 0.6, 22.17S; 68.70W, h122km, 5km, ML4.5
NEIC 20:39:56.0, 0.2, 22.17S; 68.70W, h122km, mb4.3/21,
ML4.5(GUC), After GUC.

IDC 20:39:57.6, 0.5, 22.06S; 68.35W, h127km, 4km, mb2.0/14,
mb1.4/17, mb1mx4.0/36, mbimp4.4/17, MS3.2/4,
Ms1.3/2.4, ms1mx2.8/35, Error ellipse: s-maj=14.5km
s-min=12.3km az=82.0

ISC 20:39:56.6, 0.4, 22.16S; 0'04.68, 57W, 0.06, h125km, 3km,
n88, s177/114, mb4.4/37, 16C, Northern Chile

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

comp=E, 33nm, 18.1s, baz=34, slow=35
PDAR Pinedale Array 74.84 330 P P
comp=E, 0.3nm, 0.7s, baz=134, slow=6.4, SNR=3.7

HWAR Hardware Ranch 79.1 328 eP P
comp=E, 0.4nm, 0.6s, baz=191, slow=5.5, SNR=3.1

HVU Hansel Valley 75.64 327 eP P
comp=E, 3.8nm, 1.0s

SYO Syowa Base 75.78 159f eP P
SYO Syowa Base 75.78 159f eP P
ULM Lac du Bonnet 76.04 342 P P
comp=E, 1.5nm, 0.6s, baz=129, slow=12, SNR=2.6

TPAW Teton 76.04 330 eP P
comp=E, 4.7nm, 1.2s

NVAR Mina Array Bea 76.20 322 P P
comp=E, 0.8nm, 0.9s, baz=151, slow=6.8, SNR=6.0

NVAR comp=E, 0.2nm, 0.4s, baz=142, slow=6.8, SNR=3.0

VNDA Vanda 76.26 190 P P
comp=E, 1.4nm, 0.9s, baz=126, slow=7.2, SNR=7.2

TORD Tori Ar. Bea 77.28 70 P P
comp=E, 4.4nm, 0.4s, baz=260, slow=5.4, SNR=48

TORD comp=E, 6.1nm, 0.9s, baz=251, slow=5.3, SNR=2.5

PAHR Pah Rah Range 77.69 322 eP P
comp=E, 5.8nm, 0.8s

HLID Haley 77.77 328 eP P
comp=E, 4.6nm, 0.9s

MCMT McKenzie Canyon 77.95 329 eP P
MFID Camas Ranch 78.37 327 eP P
comp=E, 6.2nm, 1.4s

ORV Oroville 78.81 321 eP P
comp=E, 3.8nm, 0.9s

BOSA Boshof 82.86 118 P P
comp=E, 6.5nm, 1.0s, baz=126, slow=4.5, SNR=4.7

YKA Yellowknife Arr 91.91 340 P P
comp=E, 1.2nm, 0.7s, baz=134, slow=4.5, SNR=26

YKA comp=E, 1.9nm, 0.8s, baz=128, slow=4.3, SNR=7.7

YKA comp=E, 1.4nm, 0.7s, baz=135, slow=5.5, SNR=5.9

WRA Warramunga Arr 132.54 210 PKP PKPdf
comp=E, 1.1nm, 0.8s, baz=72, slow=1.8, SNR=12

KURK Kurchatov Arr 141.70 34 PKP PKPdf
KURB Kurchatov Arr 141.71 34 PKP PKPdf
comp=E, 0.3nm, 0.8s, baz=309, slow=3.3, SNR=3.0

ZALV Zalesovo Beam 142.41 26 PKP PKPdf
comp=E, 1.1nm, 0.7s, baz=361, slow=5.2, SNR=5.2

KSH Kashi 145.26 52 PKPbc PKPab
KSH sPKP
KSH PKP
KSH PKSdf

MKAR Makanchi Array 145.97 37 PKPbc PKPab
comp=E, 1.7nm, 0.7s, baz=333, slow=2.7, SNR=16

MKAR comp=E, 1.6nm, 0.7s, baz=305, slow=4.2, SNR=4.4

ASAJ Asahikawa 146.25 318 PKPbc PKPab
comp=E, 0.5nm, 0.8s, baz=72, slow=1.8, SNR=5.9

WMQ Urumqi 150.81 37 P PKPdf
LMQB Lembang 150.95 172 PKPbc PKPbc
comp=2.1nm, 0.7s, baz=250, slow=5.9, SNR=5.2

MJAR Matsushiro Arr 152.72 308 PKPbc PKPbc
comp=E, 0.3nm, 0.3s, baz=76, slow=4.7, SNR=16

MJAR comp=E, 1.0nm, 0.7s, baz=124, slow=1.3, SNR=3.2

LZH Lanzhou 164.63 24 ePKP PKPdf
LZH sPKP
LZH PKP

CMAR Chiang Mai Arr 167.72 105 PKPab PKPab
comp=E, 0.5nm, 0.7s, baz=268, slow=6.6, SNR=4.4

CD2 Chengdu 168.91 37 PKP PKPdf
WHN Wuhan 171.25 343 PKP PKPdf

ISK 20:47:13.0, 36.96N; 27.56E, h21km, ML2.3/6
CSEM 20:47:13.9, 0.2, 36.97N; 27.60E, h10km, ML2.8, Error
ellipse: s-maj=5.6km s-min=4.6km az=43.0

ISCJB 20:47:14.2, 0.5, 36.99N; 0'03.27, 62E, 0.04, h5km, 7km,
Error ellipse: s-maj=6.5km s-min=4.6km az=135.9

DDA 20:47:14.3, 37.01N; 27.62E, h7km, ML2.8
ISC 20:47:13.6, 0.9, 36.96N; 0'03.27, 67E, 0.03, h16km, 8km,

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

IDC 20:49:29.9, 1.8, 6'90S; 101.83E, h0km, mb3.6/8,
mb1.3/8.9, mb1mx3.5/90, mbimp3.7/9, ML3.9/1, Error
ellipse: s-maj=38.0km s-min=17.7km az=51.0

ISCJB 20:49:33.1, 0.6, 85S; 0'101.99E, 0.09, h33km, 6km/6.8,
Error ellipse: s-maj=23.6km s-min=9.9km az=25.6

ISC 20:49:35.6, 1.2, 6.85S; 0'2.102, 0E, 0.1, h35km, n13,
s=070/11, mb3.7/8, Southwest of Sumatara

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

SONM Songo Array 54.53 4 P P
0.9nm, 0.7s, baz=181, slow=8.5, SNR=5.4
MKAR Makanchi Array 56.15 344 P P
0.7nm, 0.8s, baz=150, slow=8.2, SNR=8.4

KURB Kurchatov Arr 60.67 34 P P
0.2nm, 0.4s, baz=166, slow=6.0, SNR=4.0

BVAR Borovoye Array 65.33 340 P P
0.5nm, 0.4s, baz=148, slow=9.3, SNR=5.2

TXAR Lajitas Array 147.04 44 PKPbc PKPbc
0.1nm, 0.8s, baz=352, slow=1.8, SNR=3.7

ISCJB 20:1:04:56.4, 0.4, 37.83N; 0'05.77, 08E, 0'09, h10km,
mb3.3/10, MS3.2/1, Error ellipse: s-maj=11.7km
s-min=3.7km az=150.7

IDC 20:1:04:56.3, 1.2, 37.97N; 76.94E, h0km, mb3.5/7,
mb1.3/7.11, mb1mx3.5/67, mbimp3.5/11, ML2.8/4, MS3.2/1,
Ms1.3/2.1, ms1mx2.3/59, Error ellipse: s-maj=26.6km
s-min=22.7km az=87.0

BJI 20:1:04:58.9, 38.02N; 77.02E, h5km, ML3.6/7, Ms3.3/2
NNC 20:1:05:01.9, 2.1, 38.24N; 77.07E, h0km, mb4.0, mpv3.6,
Error ellipse: s-maj=18.1km s-min=13.1km az=166.0

ISC 20:1:04:58.8, 0.6, 37.92N; 0'06.77, 12E, 0'08, h10km, n42,
s155/44, mb3.4/10, 8C-9D, Southern Xinjiang

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



20d 21h

Table with columns: YUK, comp, iS, pmax, Sn, pmax, 21 24 08.6 +1.6, etc. Lists various stations and their parameters.

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, etc. Lists station codes and names.

CSEM 20 21:26:58.2, 44:87N, 11:30E, h4km, ML2.2/10

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, etc. Lists station codes and names.

2012 MAY

Table with columns: FIU, comp, eS, AML, Sg, AML, 21 27 08.4 +1.6, etc. Lists station codes and names.

CSEM 20 21:27:41.5, 44:84N, 11:31E, h8km, ML2.4/8

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, etc. Lists station codes and names.

ISC 20 21:30:22.9, 8.1, 8:16S, 119:40E, h149km, mb2.7/2,

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, etc. Lists station codes and names.

ISCJB 20 21:31:19.9, 0.5, 17:65S, 0:09, 173:9W, 0.1, h10km,

ISC 20 21:31:20.1, 0.7, 17:66S, 173:89W, h0km, mb4.0/10,

NEIC 20 21:31:21.4, 0.2, 17:67S, 173:84W, h10km, mb4.8/3, Error

ISC 20 21:31:21.2, 0.6, 17:48S, 0:10, 174:0W, 0.1, h10km, nRes,

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, etc. Lists station codes and names.

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Table with columns: VANDA, QSPA, PETK, PEAI, NV01, NVAR, STD, PDB1, PDAR, ILAR, ILB, CMAR, CLL, BR101, BRTR, GEC2, GERES, MMAI, TORD, TOA1, etc. Lists station codes and names.

ISCJB 20 21:34:25.1, 0.3, 10:72S, 0:04, 165:95E, 0:06, h155km,

NEIC 20 21:34:28.1, 1.1, 10:65S, 165:90E, h172km, 10km,

ISC 20 21:34:25.9, 0.5, 10:57S, 0:05, 167:06E, 0:08, h155km, n92,

c131/96, mb4.3/45, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, etc. Lists station codes and names.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like U15A North Rim, HLID Halley, X16A Lo Mia Camp, MSU Marysvale, etc.

IDC 2011:51:26.6:2.2,2:28N-89.75E,h0km,mb3.5/3,mb1 3.7/5, mb1mx3.3/63,mbtpp3.6/5,ML3.7/2, Error ellipse: s-maj=53.5km s-min=31.1km az=48.0,North Indian

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PALK Pallekele, CMAR Chiang Mai Arr, H08S2 Diego Garcia H, etc.

NEIC 2011:55:00.0:0.0,16:15N-98.86W,h17km,MD4.0(MEX), After MEX

MEX 2011:54:59.9:0.4,16:14N-98.86W,h16km,520km,MD4.0, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PNIG Pinotepa, ACX Acapulco, TLIG Tlapa, etc.

DDA 2011:55:45.0,41:36N-44:06E,h7km,ML2.6 ISCJB 2011:55:45.8:0.5,41:35N-44:03:41E:0.03,h6km,5km, Error ellipse: s-maj=6.4km s-min=3.5km az=151.8

CSEM 2011:55:45.7:0.2,41:32N-44:12E,h2km,ML2.2, Error ellipse: s-maj=6.9km s-min=2.9km az=149.0

TIF 2011:55:45.8,41:11N-44:12E,h9km,2km ISC 2011:55:45.9:0.9,41:35N-44:08E:0.02,h12km,10km, n24,-0571/48,Western Caucasus

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KZR Kazreti, BGD Bogdanovka, TLIG Delisi, etc.

Table with columns: DDEM Demirkent, DDEM Demirkent, DBAD Bademkaya, DBAD Bademkaya. Includes IASPEI 2012:05:45.9:0.9,44:89N-0:02:11:38E:0.03,h6km,6km, Error ellipse: s-maj=4.2km s-min=2.4km az=96.5, G75 selection from ISC bulletin G75 identified by Bond jr and McLaughlin (2009) selection criteria Bond jr and McLaughlin, A new ground truth data set for seismic studies, <S>Seism. Res. Lett.</S>, <B>80</B>, 465-472, 2009

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like T0822 Casumar (Bond), T0822 Casumar (Bond), T0813 Massa Finalese, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like T0811 Palata Pepoli, T0811 Palata Pepoli, T0812 Loc. Stoppiaro, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like T0814 Loc. Cortile, T0814 Loc. Cortile, MODE Modena, etc.

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

Table with columns: MARN Marana (Italy), MARN Marana (Italy), PRMA PARMA, PRMA PARMA, etc. Includes MARN Marana (Italy) 0.76 351 eSg Sn 22 06 15.2 +0.9

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ERBM Eremito, SEI Scarperia, BALD Monte Baldo, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DOSS Dossa del Sommo, VLC Villacollemand, VLC Villacollemand, etc.

20d 22h

Table with columns for station name, coordinates, and time. Includes stations like PANI, PANI, CASTELLEONE, etc.

2012 MAY

Main table with columns for station name, coordinates, and time. Includes stations like MOSI, Grossmontoni, MOSI, etc.

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Table with columns for station name, coordinates, and time. Includes stations like SMF, Signal de Mont, LOR, etc.

NIED 20 22:14:00,39;40N;143.70E,h17km,Mw4.2 Best double couple: M2.44000x1015 NP1:9s195.00000; 832.00000; 1.105.00000... JMA 20 22:14:40,6;0.1,39;36N;143.65E,h43km,M4.0... ISCJB 20 22:14:41,8;1.2,39;41N;0.03;143;49E;0.04,h24km;7km... BJI 20 22:14:41.5,39;48N;143;48E,h24km,mb4.4/38,mb4.7/21... IDC 20 22:14:43.8;0.8,39;29N;143;54E,h30km;2km,mb3.7/22... NEIC 20 22:14:44.4;1.5,39;37N;143;51E,h32km;11km,mb4.5/18... ISC 20 22:14:44.4;0.6,39;40N;0.05;143;52E;0.05,h31km;3km, h31km;PP-P,n107,0;193/134,mb4.4/46,Off east coast of Honshu

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like MIYJ, Miyakonagasawa, JTH, Tanohata, etc.





20d 22h

Table with columns for station call letters, name, frequency, power, and coordinates. Includes stations like KLR, LZH, HIA, PETK, etc.

2012 MAY

Table with columns for station call letters, name, frequency, power, and coordinates. Includes stations like KDJ, KDJ, KSH, etc.

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Table with columns for station call letters, name, frequency, power, and coordinates. Includes stations like TOLK, RIDG, TGL, etc.

NIED 20 22:00:39.60N, 143:80E, h8km, Mw5.1 Best double...
JMA 20 22:58:40.3, 39:65N, 143:82E, h20km, M5.2
JMA Felt I J1.
ISCJB 20 22:59:0.0, 7:39:63N, 0:02:143:66E, 0:02, h12km, 4km, mb4.9/267, MS4.9/74, Error ellipse: s-maj=3.3km s-min=2.2km az=160.1
MOS 20 22:1:00.8, 1.1, 39:65N, 143:65E, h27km, mb5.3/81, MS4.8/22, Error ellipse: s-maj=6.5km s-min=4.5km az=90.6



20d 22h

Table with columns for flight codes (e.g., LZH, GYA, CD2), destinations (e.g., Lanzhou, Guiyang, Chengdu), times, and status indicators (e.g., P, S, M, X).

2012 MAY

Main flight schedule table with columns for flight codes (e.g., CM01, KDKA, KADK), destinations (e.g., Chiang Mai, Kodiak Island, Kodiak Island), times, and status indicators.

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Table with columns for flight codes (e.g., BATI, KK31, KKAR), destinations (e.g., Baumata, Karatay Array, Karatay Array), times, and status indicators.



Table with columns for station name, frequency, power, and other technical details. Includes stations like SRU San Rafael Swe, MONP2 Monument Peak, IRM Iron Mountain, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like DPC Dobruska-Polom, DPC Dobruska-Polom, UPC comp=Z,800nm,14.2s, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MMAIL comp=Z,20nm,1.1s, BNS Barren Site, VNS Vitosa, etc.

Table with columns: Code, Station Name, Az, Op, Phase, Time, Res. Includes entries for Jillico Farms, Green Forest, SFIN, P44A, etc.

Text block containing station identifiers and coordinates: IDC 20 22:22:42.8, 1.2, 44.77N, 11.58E, h0km, mb3.6/2, mb1 3.5/8, mb1mx3.4/68, mbtmp3.3/8, ML3.4/6, MS4.5/2, Ms1 4.5/2, ms1mx2.8/66, Error ellipse: s-maj=19.6km, s-min=12.1km az=117.0, PRU 20 22:22:44.4, 44.68N, 11.39E, h0km, ROM 20 22:22:45.0, 0.1, 44.805N, 0.002, 11.416E, 0.004, h6km, ML3.6/80, CSEM 20 22:22:45.0, 0.1, 44.83N, 11.46E, h10km, ML4.0/18, Error ellipse: s-maj=2.4km, s-min=1.9km, az=150.0, LDG 20 22:22:45.1, 0.4, 44.82N, 11.64E, h10km, MI3.9/18, Error ellipse: s-maj=7.5km, s-min=4.7km, az=97.0, STR 20 22:22:47.4, 1.3, 45.1N, 5.1E, 1.2, h10km, M4.5/18, mB5.2/3, mb4.8/4, MLV4.4/18, Mw(mb)4.6/3, ISC 20 22:22:44.7, 0.8, 44.81N, 0.02, 11.51E, 0.02, h12km, 5km, n332, s1s49/370, mb3.5/3, 10C-20D, Northern Italy

Table with columns: Code, Station Name, Az, Op, Phase, Time, Res. Includes entries for T0822, T0822, FIU, FIU, etc.

Main table with columns: Code, Station Name, Az, Op, Phase, Time, Res. Includes entries for RAVA, RAVA, RAVA, T0814, T0814, GAZZ, GAZZ, etc.

Table with columns: Code, Station Name, Az, Op, Phase, Time, Res. Includes entries for ZCCA, ZCCA, ZCCA, ZCCA, etc.







20d 22h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like MES3 Kyparissia, VLS Valsamata, VLS comp=E,203um,0.1s, etc.

CSEM 20 22:32:44.8±0.3, 37.20N±20.46E, h2km, ML3.0, Error ellipse: s-maj=6.3km s-min=3.2km az=55.0

THE 20 22:32:46.0, 37.24N±20.46E, h2km, 1km, ML3.1/12, Error ellipse: s-maj=1.8km s-min=1.0km az=60.0

ATH 20 22:32:46.2, 37.25N±20.55E, h2km, 1km, ML3.0/13, Error ellipse: s-maj=3.2km s-min=1.4km az=62.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like VTN Vitineika, VTN Anninata, VTN KFL, etc.

2012 MAY

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like RLS Rioliol of Patr, RLS Rioliol of Patr, RLS Rioliol of Patr, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like XOR Xorichti, XOR Xorichti, PENT Pentalofos, etc.

IDC 20 22:42:43.9±2.1, 1.72S±134.32E, h0km, mb3.3/2, mb1.3/6.4, mb1mx3.4/5.3, mbtmp3.5/4, ML3.5/2, Error ellipse: s-maj=39.8km s-min=19.1km az=38.0, Irian Jaya region

IDC 20 22:45:24.6±0.9, 2.0177S±178.85W, h593km, 1.0km, mb3.8/35, mb1.3/9.37, mb1mx3.8/5.6, mbtmp4.8/7.3, Error ellipse: s-maj=9.1km s-min=8.3km az=105.0

ISC/JB 20 22:45:25.7±0.2, 2.0789S±179.01W, h61gkm, mb4.3/10.6, Error ellipse: s-maj=6.0km s-min=3.9km az=138.8

NEIC 20 22:45:26.1±0.6, 2.0784S±178.95W, h611km, 7km, mb4.3/7.8, Error ellipse: s-maj=6.4km s-min=4.6km az=137.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like MSVF Nonavsu, MSVF Nonavsu, AFI Afiamalu, AFI Afiamalu, etc.





Table with columns: Station Name, Frequency, Band, Power, Direction, Azimuth, Elevation, SNR, and other parameters. Includes stations like OZOL, MLNI, CASP, ROTM, etc.

Table with columns: Station Name, Frequency, Band, Power, Direction, Azimuth, Elevation, SNR, and other parameters. Includes stations like PTCC, CASP, ROTM, FETA, etc.

Table with columns: Station Name, Frequency, Band, Power, Direction, Azimuth, Elevation, SNR, and other parameters. Includes stations like MOA, ARSA, ARSZA, ORIF, etc.

CSEM 20 23:05:03.8-0.2, 6.7:81N-20:25E, h2km, ML 1.6, Error ellip/ps: s-maj=4.7km s-min=3.8km az=48.0, Mining explosion. HEL 20 23:05:04.8-0.0, 6.7:84N-20:20E, h0km, ML 1.6, ML 1.6 (U/P), Explosion. UPP 20 23:05:04.2-0.1, 6.7:84N-20:21E, h0km, ML 1.6, Sweden



20d 23h

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like KUA Kurraavaara, RATU Laukkulusta, etc.

DDA 20 23:07:24.8, 40.98N, 43.90E, h4km, M13.7
ATA 20 23:07:24.3, 1.7, 40.94N, 43.91E, h10km, 19km, ML4.0, MW3.7

ISF 20 23:07:25.4, 40.96N, 43.93E, h14km, 1km
ISK 20 23:07:25.2, 40.97N, 43.94E, h5km, ML3.2/B
NSSP 20 23:07:25.2, 40.92N, 43.92E, h8km, Ms3.2
CSEM 20 23:07:26.5, 0.1, 40.97N, 43.91E, h2km, ML3.2, Error ellipse: s-maj=3.9km s-min=3.0km az=141.0

MOS 20 23:07:26.1, 1.6, 40.83N, 43.92E, h8km, mb/1.7, Error ellipse: s-maj=11.8km s-min=5.3km az=78.3
ISC 20 23:07:27.2, 0.8, 40.97N, 0.01, 43.92E, 0.1, h17km, 5km, n133, s157/211, 19C-13D, Turkey-Georgia-Armenia border region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like KAMZ Kamo, GMRZ Gyumri, STEZ Stepanavan, etc.

2012 MAY

Table with columns: HYR Heyderabad, GUDG Gudauri, EATA Eleskirt, etc. Includes station names and associated data.

ISC 20 23:18:18.3, 1.5, 11.13S, 120.55E, h0km, mb3.8/5, mb1 3.7/9, mb1mx3.5/53, mbtmp3.7/9, ML3.1/3, MS2.8/1, Ms1 2.8/1, ms1mx2.4/45, Error ellipse: s-maj=42.1km s-min=25.7km az=29.0
ISCJB 20 23:18:21.2, 0.8, 11.19S, 0.1, 120.58E, 0.09, h33km, mb3.9/5, Error ellipse: s-maj=13.9km s-min=12.6km az=17.1
ISC 20 23:18:23.4, 1.0, 11.2S, 0.1, 120.78E, 0.09, h35km, n10,

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Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like BATI Baunata, SIJI Sorong, WRA Warramunga Arr, etc.

ROM 20 23:23:05.0, 0.1, 44.859N, 0.005, 11.159E, 0.004, h6km, 1km, ML2.3/6
IASPEI 20 23:23:06.0, 0.8, 44.88N, 0.02, 11.19E, 0.03, h9km, 5km, Error ellipse: s-maj=4.7km s-min=3.0km az=113.3, 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 monitoring, <>Seism. Res. Let. <>, <>80<>, 465-472, 2009

ISCJB 20 23:23:06.0, 0.3, 44.88N, 0.02, 11.24E, 0.04, h9km, 2km, Error ellipse: s-maj=5.2km s-min=3.7km az=23.2
CSEM 20 23:23:06.3, 0.3, 44.93N, 1.18E, h5km, ML2.3, Error ellipse: s-maj=7.6km s-min=5.2km az=110.0
ISC 20 23:23:06.3, 0.3, 44.89N, 0.02, 11.20E, 0.03, h10km, 4km, n48, s79/57, 2C-2D, Northern Italy

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like T0813 Massa Finalese, T0812 Loc. Stoppiaro, T0811 Palata Pepoli, etc.

CSEM 20 23:24:19.6,47:39N:18.03E, h8km, ML1.8/3, 3D,

Hungary

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time (h m s), Res (ISC), and data rows for stations like CSKK, ZST, Sopron, MODS, SMOL, VYHS, MORH, PSZ.

JMA 20 23:39:34.2-0.1,29:47N:140.42E, h326km, M3.5,

Southeast of Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time (h m s), Res (ISC), and data rows for stations like CBJJ, JHHJ, JIE, JRY, JAG, JHO.

TIR 20 23:44:13.1,41:49N:20:24E, h7km, Md2.6/3

SKO 20 23:44:13.0,41:60N:20:18E, h0km, MO.9, ML1.4

ISC 20 23:44:13.8-1.7,41:53N:0:07:20:2E:0.1, h14km, 14km, n5,

n18/10, Albania

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time (h m s), Res (ISC), and data rows for stations like PHP, PUK, OHR, KRUS, BIA.

STR 20 23:53:20.6:1.2,45°N:6°x1'2E°, h5km, M3.6/7, mb3.4/1,

MLV3.7/7

ISCJB 20 23:53:21.2-0.2,44:89N:0:02:11:30E:0:03, h9km, 2km,

Error ellipse: s-maj=3.3km s-min=2.6km az=27.8

CSEM 20 23:53:21.7-0.1,44:89N:11:25E, h5km, ML3.1/7, Error

ellipse: s-maj=4.0km s-min=2.6km az=109.0

ROM 20 23:53:21.1-0.0,44:85N:0:00:21:22E:0:001,

h4km, ML2.7/42

PRU 20 23:53:24.9,44:83N:11:48E, h34km

ISC 20 23:53:21.2-0.6,44:80N:0:02:11:27E:0:02, h15km, 4km,

n148, n194/152, SC-4D, Northern Italy

Large table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time (h m s), Res (ISC), and data rows for stations like T0811, T0812, T0822, T0813, T0814, RAVA, SERM, MODE, GAZZ, SBPO, NOVE, MTRZ, ZCCA.

Large table with columns: Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time (h m s), Res (ISC), and data rows for stations like ZCCA, IMOL, ADRI, TEOL, PRMA, ERBM, SEI, POPM, MARN, ROVR, BDI, VLLC, SALO, SFI, CRMI, ASQU, MAGA, DOSS, CIMA, CGRP.

Large table with columns: Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time (h m s), Res (ISC), and data rows for stations like CGRP, MTLO, CTL8, PANI, PLMA, CSNT, VARN, PARC, MESSA, MABI, PESA, POLC, FSSB, CAFI, PIEI, ATPI, MPAG, ATBU, ATVO, FRON, KOSI, ATTE, STAL, BRMO, MOSI, ABSI, SNTG, PCP, GEPF, VINO.



Table with columns for station name, frequency, and various signal quality metrics (e.g., S/N, error rates). Includes stations like BDI, VCL, DOSS, MAGA, CGRP, SFI, FIVI, MTLO, CRMI, ASQU, CTLL, PANI, VARN, PLMA, PARC, CSNT.

Table with columns for station name, frequency, and various signal quality metrics. Includes stations like CSNT, AGOR, CARE, PIEI, ATBU, BRMO, ABSI, SKDS, ABTA, ABTA, FETA, SOTA, MYKA, WATA, MOTA, NVLJ, DAVA, KBA, RETA, OBKA, PGF, SBF, LPG, LPL, MOA, FRF, ARSA, LMR, ORIF, HINF, HINF, CDF.

Table with columns for station name, frequency, and various signal quality metrics. Includes stations like CDF, KHC, HAU, HAU, VIVF, SMF, PRU, PRA, PRA, LOR, LOR, AVF, BGF, BRG, DPC, DPC, MAN 21 00:08:06.6, IDC 21 00:11:54.6, WRA, ASAR, HNR, STKA, MKAR, KURBB, BVAR, NIED 21 00:19:00.39, JMA 21 00:19:46.2, IDC 21 00:19:49.2, ISC 21 00:19:45.0, MIYJ, ITH, OFUJ, JANG, JMK, JIC, JRIG, JTM, JYK, ERMO, JNBK, ASAJ, MAJO, MAT, MAT, USRK, USRK, KSR5, KSR5, KSR5, SEY, SONM, SONM, H11N2, H11N1, H11N3, H11S1, H11S2, ZALV, MKAR, KURK, KURBB, COLA, ILAR, BVAR, INK.



MDJ	comp=Z,6um,13.9s	LR	LR						
MDJ	comp=Z,8um,13.7s	LR	LR						
MDJ	11.55 301 ePn	Pn	Pn	00 48 58.1	+1.4				
JNU	Nakatsue	12.05 242 Pn	Pn	00 49 02.4	-1.4				
JNU	comp=Z,0.7nm,0.3s,baz=92,slow=6.9,SNR=11	LR	LR	00 54 09.4					
JNU	Nakatsue	12.05 242 ePn	Pn	00 49 02.7	-1.0				
GRNR	Gornyy	12.30 338 eP	Pn	00 49 07.1	+0.1				
GRNR	comp=N,96nm,1.0s	pmax	pmax						
GRNR	comp=Z,84nm,1.0s	pmax	pmax						
KSRs	Korea Array	12.42 265 Pn	Pn	00 49 09.2	+0.5				
KSRs	comp=Z,0.5nm,0.3s,baz=82,slow=13,SNR=46	LR	LR	00 53 37.7					
KSRs	Korea Array	12.42 265 P	Pn	00 49 09.2	+0.5				
KSRs	comp=Z,1.0nm,0.3s	pmax	pmax						
KSRs	comp=Z,2um,18.4s,baz=81,slow=36	MLR	MLR						
KS01	Wonju Array Si	12.44 265 ePn	Pn	00 49 09.9	+0.9				
KS15	Wonju Array Si	12.45 265 ePn	Pn	00 49 12.3	+3.1				
KSAR	Wonju Array Be	12.45 265 ePn	Pn	00 49 09.2	0.0				
CBJ	Chichijima	12.46 186 ePn	Pn	00 49 09.5	+0.3				
KLR	Kul'dur	12.84 323 Pn	Pn	00 49 14.6	+0.2				
TJN	Taejon	13.16 261 i/P	P	00 49 19.9	+1.1				
NKL	Nikolayevsk	13.76 353 eP	Pn	00 49 24.0	-2.9				
NKL	comp=Z,400nm,8.0s	pmax	pmax						
NKL	comp=N,17nm,0.9s	pmax	pmax						
NKL	comp=Z,19nm,0.9s	pmax	pmax						
NKL	comp=E,500nm,10.0s	smax	smax						
OKH	Okha	14.03 358 eP	Pn	00 49 31.9	+1.4				
OKH	comp=Z,100nm,13.8s	pmax	pmax	00 52 05.9	+0.6				
OKH	comp=N,300nm,9.8s	smax	smax						
OKH	comp=Z,3um,17.7s	smax	smax						
CN2	Changchun	14.18 293 eP	Pn	00 49 32.0	-0.8				
CN2	comp=Z,30nm,1.0s	pmax	pmax	00 49 44.3	+4.3				
CN2	comp=Z,200nm,5.0s	LR	LR	00 52 07.3	-2.0				
CN2	comp=Z,2um,14.0s	LR	LR						
CN2	comp=Z,2um,14.0s	LR	LR						
CN2	comp=Z,2um,14.0s	LR	LR						
SKR	Severo-Kuril's	14.22 34 eP	Pn	00 49 30.9	-2.3				
SKR	comp=Z,300nm,6.9s	eS	Sn	00 52 06.3	-3.8				
SKR	comp=Z,66nm,1.0s	pmax	pmax						
SKR	comp=Z,2um,14.0s	MLR	MLR						
SKR	comp=Z,2um,14.0s	MLR	MLR						
SNY	Shenyang	15.32 285 i/P	Pn	00 49 48.3	+0.2				
SNY	comp=Z,25nm,1.4s	S	Sn	00 52 37.9	+0.9				
SNY	comp=Z,760nm,11.2s	pmax	pmax						
SNY	comp=Z,1um,12.7s	LR	LR						
SNY	comp=Z,3um,15.1s	LR	LR						
PEA0B	Petropavlovsk-	16.68 31 ePn	P	00 50 07.0	-0.6				
PETK	Petropavlovsk-	16.68 31 Pn	Pn	00 50 04.7	-0.9				
PETK	comp=Z,0.1nm,0.3s,baz=191,slow=6.9,SNR=8	LR	LR	00 57 47.2					
PETK	Petropavlovsk-	16.68 31 ePn	P	00 50 07.4	-0.3				
DL2	Dalian	17.00 275 eP	Pn	00 50 08.3	-1.2				
DL2	comp=Z,82nm,1.1s	pmax	pmax	00 53 13.8	-3.9				
DL2	comp=Z,720nm,9.6s	LR	LR						
DL2	comp=Z,2um,12.7s	LR	LR						
DL2	comp=Z,1um,13.6s	LR	LR						
DL2	comp=Z,2um,16.7s	LR	LR						
PET	Petropavlovsk	17.01 33 ePn	P	00 50 11.6	+0.3				
PET	comp=Z,71nm,1.1s	eS	Sn	00 50 12.5	+1.2				
PET	Petropavlovsk	17.01 33 eP	Pn	00 50 18.8	+1.0				
PET	comp=Z,70nm,1.0s	pmax	pmax						
PET	comp=Z,1um,15.0s	MLR	MLR						
PET	comp=Z,1um,14.0s	MLR	MLR						
JOW	Kunigami	17.96 230 ePn	Pn	00 50 21.3	-0.3				
ZEA	Zeya	18.02 327 eP	Pn	00 50 19.1	-3.0				
ZEA	comp=N,93nm,1.4s	pmax	pmax						
ZEA	comp=E,93nm,1.4s	pmax	pmax						
ZEA	comp=Z,170nm,1.4s	pmax	pmax						
ZEA	comp=Z,4um,14.0s	MLR	MLR						
ZEA	comp=E,1um,15.0s	MLR	MLR						
HIA	Hailar	19.52 308 eP	P	00 50 37.7	-1.3				
HIA	comp=N,30nm,0.6s	pmax	pmax	00 50 37.2	-1.8				
HIA	comp=Z,63nm,1.0s	pmax	pmax						
MA2	Magadan	20.58 10 P	Pn	00 50 51.5	-1.1				
MA2	comp=Z,16nm,0.9s,baz=196,slow=9.1,SNR=13	eP	P	00 50 51.1	+0.8				
MA2	Magadan	20.58 10 eP	P	00 50 51.2	+0.8				
MA2	comp=Z,44nm,0.8s	pmax	pmax						
BJI	Beijing	21.02 280 i/P	P	00 50 52.6	-2.6				
BJI	comp=Z,110nm,1.1s	pmax	pmax	00 51 01.8	-0.2				
BJI	comp=Z,2um,13.5s	LR	LR	00 54 46.3	-1.8				
BJI	comp=Z,4um,14.7s	LR	LR						
BJT	Baijatuau	21.02 280 eP	P	00 50 53.2	-2.2				
BJT	comp=Z,70nm,0.8s	pmax	pmax	00 50 53.2	-2.2				
TIA	Tai'an	21.10 269 P	P	00 50 53.5	-2.7				
TIA	comp=Z,12nm,1.0s	pmax	pmax	00 54 50.4	+0.6				
TIA	comp=Z,270nm,14.5s	LR	LR						
TIA	comp=Z,1um,14.5s	LR	LR						

TIA	comp=Z,2um,14.6s	LR	LR						
CLNS	Chul'man	21.20 331 eP	P	00 50 56.3	-0.8				
CLNS	comp=Z,53nm,1.1s	e'PP	P	00 51 05.2	+1.3				
CLNS	comp=N,50nm,1.2s	eS	S	00 51 14.9					
CLNS	comp=E,21nm,1.1s	eS	S	00 54 53.5	+2.0				
CLNS	comp=Z,36nm,1.0s	eSS	SnSn	00 55 01.2					
CLNS	comp=N,33nm,1.1s	e	P	00 55 16.6	+2.8				
CLNS	comp=N,10.0nm,0.9s	pmax	pmax	01 02 25.9					
CLNS	comp=E,26nm,1.2s	pmax	pmax						
CLNS	comp=Z,36nm,1.0s	pmax	pmax						
CLNS	comp=E,8.0nm,1.1s	smax	smax						
CLNS	comp=N,10.0nm,0.9s	smax	smax						
CLNS	comp=E,2um,14.0s	MLR	MLR						
CLNS	comp=Z,2um,14.0s	MLR	MLR						
CLNS	comp=N,1um,12.0s	MLR	MLR						
NJ2	Nanjing	21.34 257 eP	P	00 50 58.5	-0.2				
NJ2	comp=N,28nm,0.5s	pmax	pmax						
NJ2	comp=N,1um,15.7s	LR	LR						
NJ2	comp=N,2um,15.4s	LR	LR						
NJ2	comp=N,1um,15.2s	LR	LR						
YHNB	Yeheng	23.84 238 eP	P	00 51 25.3	+0.4				
SEY	Seymchan	24.03 10 P	P	00 51 27.3	+1.1				
SEY	comp=N,18nm,0.8s,baz=197,slow=20,SNR=49	i/P	P	00 51 27.0	+0.8				
SEY	Yakutsk	24.07 344 eP	P	00 51 26.1	-0.5				
SEY	comp=N,79nm,0.7s	i/P	P	00 51 25.6	-1.0				
YAK	Yakutsk	24.07 344 e'PP	S	00 51 35.6	-1.2				
YAK	comp=Z,69nm,0.9s	e	PPP	00 52 00.4					
YAK	comp=N,25nm,1.1s	e'PPP	PPP	00 52 06.1					
YAK	comp=E,8.0nm,1.2s	e	S	00 55 03.1					
YAK	comp=Z,63nm,1.3s	eS	S	00 55 40.9	-1.4				
YAK	comp=N,74nm,1.4s	eSS	SnSn	00 56 23.8	-0.1				
YAK	comp=N,66nm,2.0s	pmax	pmax						
YAK	comp=E,112nm,2.5s	pmax	pmax						
CIT	Chita	24.17 311 eP	P	00 51 26.9	-0.9				
CIT	comp=Z,237nm,1.2s	e	P	00 51 37.0					
CIT	Taiyuan	24.32 276 eP	P	00 51 30.6	+1.3				
CIT	comp=Z,31nm,0.5s	e	pmax						
CIT	comp=Z,270nm,7.3s	pmax	pmax						
CIT	comp=Z,950nm,11.4s	LR	LR						
CIT	comp=Z,300nm,9.7s	LR	LR						
CIT	comp=Z,610nm,11.7s	LR	LR						
HHC	Hu-ho-hao-te	24.40 283 eP	P	00 51 31.5	+1.4				
HHC	comp=Z,10.0nm,0.7s	e'PP	Pn	00 52 07.3	+6.5				
HHC	comp=Z,180nm,5.6s	S	PnSn	00 55 46.9	-1.5				
HHC	comp=Z,1um,19.9s	pmax	pmax						
HHC	comp=Z,1um,16.4s	LR	LR						
HHC	comp=Z,1um,16.4s	LR	LR						
YULB	Yu-li	24.78 236 eP	P	00 51 33.0	-0.5				
WHN	Wuhan	25.45 258 i/P	P	00 51 38.6	-0.8				
WHN	comp=Z,2um,12.4s	pP	P	00 51 47.8	+1.2				
WHN	comp=Z,4um,11.9s	S	S	00 55 02.5	-2.5				
WHN	comp=Z,2um,12.4s	LR	LR						
WHN	comp=Z,4um,11.9s	LR	LR						
WHN	comp=Z,4um,13.7s	LR	LR						
QZH	Quanzhou	25.53 243 eP	P	00 51 41.3	+1.1				
QZH	comp=Z,1um,15.5s	LR	LR						
QZH	comp=Z,1um,14.7s	LR	LR						
QZH	comp=Z,2um,13.8s	LR	LR						
BTO	Baotou	25.60 283 eP	P	00 51 38.8	-2.1				
GUMO	Guam	25.87 177 LR	LR	01 00 32.7					
BOD	Bodaibo	26.41 324 i/P	P	00 51 47.6	-0.3				
BOD	comp=Z,300nm,21.6s,baz=42,slow=33	pmax	pmax						
SONA1	Songino Array	27.90 300 eP	P	00 52 01.5	-0.1				
SONM1	Songino Array	27.90 300 P	P	00 52 02.4	+0.8				
SONM1	comp=Z,24nm,1.2s,baz=97,slow=7.4,SNR=52	LR	LR	01 03 46.8					
XAN	Xi'an	28.16 270 P	P	00 52 02.8	-1.1				
XAN	comp=Z,28nm,1.2s	pP	pP	00 52 13.3	-0.9				
XAN	comp=Z,1um,11.9s	pmax	pmax						
XAN	comp=Z,930nm,11.4s	LR	LR						
XAN	comp=Z,2um,13.6s	LR	LR						
ENH	Enshi	29.28 262 eP	P	00 52 13.8	-0.1				
TLY	Talaya	30.06 307 eP	P	00 52 21.6	+1.0				
TLY	comp=Z,86nm,0.8s	eP	P	00 52 21.1	+0.5				
TLY	comp=Z,22nm,1.0s	i/S	S	00 57 18.7	+1.2				
TLY	comp=Z,29nm,1.1s	pmax	pmax						
TLY	comp=Z,1um,14.0s	MLR	MLR						
ZAK	Zakamensk	34.14 304 eP	P	00 52 20.3	-1.1				
ZAK	comp=Z,27nm,1.1s	pmax	pmax						
BILL	Bilibino	31.16 16 eP	P	00 52 30.1	+0.1				
BILL	comp=Z,11nm,1.0s	i/P	P	00 53 35.8	+3.4				
BILL	comp=Z,1um,1								



21d Oh

2012 MAY

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like MK31, MKAR, MAKZ, NAYO, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like KK31, KKAR, KKRK, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like AFI, K05A, VSR, etc.









comp=Z,0.3nm,0.3s,baz=45,slow=6.0,SNR=5.3
AKASG Malin Array Be 73.56 323 P P 01 14 49.0 +0.0
PDAR Pinedale Array 74.68 47 P P 01 14 57.8 +1.8

CSEM Z1 01:07:53.8-0.1,44:85N,11:26E,h7km,ML2.7/12
ROM Z1 01:07:53.8-0.1,44:85N,0:00:11.256E,0:00:04,
h7km,ML2.7/9,2C-4D,Northern Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations like Massa Finalese, Casumaru, Palata Pepoli, etc.

ROM Z1 01:08:50.6-0.1,44:83N,0:00:31.169E,0:00:03,
h9km,ML2.3/15
IASPEI Z1 01:08:51.2-0.8,44:85N,0:02:11.19E,0:03,
h11km,4km, Error ellipse: s-maj=4.5km s-min=3.0km az=126.0,GT5

ISCJBJ Z1 01:08:51.8-0.3,44:87N,0:02:11.19E,0:04,h8km,3km,
Error ellipse: s-maj=4.8km s-min=3.0km az=19.6
CSEM Z1 01:08:51.7-0.2,44:90N,11:13E,h2km,ML2.3,Error
ellipse: s-maj=8.0km s-min=3.7km az=94.0

ISC Z1 01:08:51.5-0.8,44:86N,0:02:11.18E,0:03,h12km,4km,
n64,1928/75,6C-4D,Northern Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations like Massa Finalese, Palata Pepoli, RAVARAVARINO, etc.

Table with columns: ZCCA, AML, AML. Lists seismic stations like ZCCA, AML, AML.

Table with columns: TEOL, Teolo, 0.61, 35, eP, Pg, S, 01 09 03.2 -0.2

Table with columns: TEOL, Teolo, 0.61, 35, eP, Pg, S, 01 09 03.2 -0.2

Table with columns: TEOL, Teolo, 0.61, 35, eP, Pg, S, 01 09 03.2 -0.2

Table with columns: ERBM, Eremo, 0.70, 231, eP, P, 01 09 05.9 +0.1

Table with columns: BRIS, BRISIGHELLA, 0.75, 161, eP, P, 01 09 07.3 +0.8

Table with columns: BRIS, BRISIGHELLA, 0.75, 161, eP, P, 01 09 07.3 +0.8

Table with columns: MIYJ, Miyakonagasawa, 1.40, 274, P, Pn, 01 12 18.5 -1.6

Table with columns: MIYJ, Miyakonagasawa, 1.40, 274, P, Pn, 01 12 18.5 -1.6

Table with columns: MIYJ, Miyakonagasawa, 1.40, 274, P, Pn, 01 12 18.5 -1.6

Table with columns: MIYJ, Miyakonagasawa, 1.40, 274, P, Pn, 01 12 18.5 -1.6

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Table with columns: MIYJ, Miyakonagasawa, 1.40, 274, P, Pn, 01 12 18.5 -1.6

Table with columns: MIYJ, Miyakonagasawa, 1.40, 274, P, Pn, 01 12 18.5 -1.6

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Table with columns: MIYJ, Miyakonagasawa, 1.40, 274, P, Pn, 01 12 18.5 -1.6

Table with columns: MIYJ, Miyakonagasawa, 1.40, 274, P, Pn, 01 12 18.5 -1.6

Table with columns: MIYJ, Miyakonagasawa, 1.40, 274, P, Pn, 01 12 18.5 -1.6

Table with columns: MIYJ, Miyakonagasawa, 1.40, 274, P, Pn, 01 12 18.5 -1.6

Table with columns: ABSI, Aberstueckl, 1.87, 3, AML, AML. Lists seismic stations like ABSI, Aberstueckl, FETA, etc.

Table with columns: ABSI, Aberstueckl, 1.87, 3, AML, AML. Lists seismic stations like ABSI, Aberstueckl, FETA, etc.

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Table with columns: ABSI, Aberstueckl, 1.87, 3, AML, AML. Lists seismic stations like ABSI, Aberstueckl, FETA, etc.

Table with columns: ABSI, Aberstueckl, 1.87, 3, AML, AML. Lists seismic stations like ABSI, Aberstueckl, FETA, etc.









Table with columns: CDF, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Champ du Feu, Kasperske Hory, Saint-Julien-I, etc.

CSEM 21 02:56:43.3, 43.18N, 12.58E, h11km, MLO.9/4
ROM 21 02:56:43.3, 0.0, 43.179N, 0.0003, 12.581E, 0.004, h11km, MLO.9/2, 2C, Central Italy

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like ATCC, MURB, ASSB, etc.

ROM 21 02:57:37.1, 0.1, 44.838N, 0.004, 11.395E, 0.006, h9km, ML2.3/15

CSEM 21 02:57:38.3, 0.2, 44.88N, 11.44E, h2km, ML2.3, Error ellipse: s-maj=8.2km s-min=3.8km az=104.0

ISC 21 02:57:37.8, 0.9, 44.85N, 0.02, 11.45E, 0.03, h10km, 6km, n73, c0579/82, 2C-30, Northern Italy

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like T0822, T0811, T0813, etc.

Table with columns: T0812, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Loc. Stoppiaro, Zocca, BRIS, etc.

BALD Monte Baldo 0.94 332 ePg Pp 02 57 56.6 +0.3

MTLO Montello 1.07 25 ePg Pp 02 57 58.7 +0.3

ASQU Asqua 1.08 167 aML AML 02 58 15.3 +1.6

MAGA Magasa 1.09 328 eP Pp 02 57 58.4 -0.4

MAGA Magasa 1.09 328 eP Pp 02 57 58.4 -0.4

MAGA Magasa 1.09 328 eP Pp 02 57 58.4 -0.4

MAGA Magasa 1.09 328 eP Pp 02 57 58.4 -0.4

MAGA Magasa 1.09 328 eP Pp 02 57 58.4 -0.4

MAGA Magasa 1.09 328 eP Pp 02 57 58.4 -0.4

MAGA Magasa 1.09 328 eP Pp 02 57 58.4 -0.4

MAGA Magasa 1.09 328 eP Pp 02 57 58.4 -0.4

MAGA Magasa 1.09 328 eP Pp 02 57 58.4 -0.4

MAGA Magasa 1.09 328 eP Pp 02 57 58.4 -0.4

MAGA Magasa 1.09 328 eP Pp 02 57 58.4 -0.4

MAGA Magasa 1.09 328 eP Pp 02 57 58.4 -0.4

MAGA Magasa 1.09 328 eP Pp 02 57 58.4 -0.4

MAGA Magasa 1.09 328 eP Pp 02 57 58.4 -0.4

MAGA Magasa 1.09 328 eP Pp 02 57 58.4 -0.4

MAGA Magasa 1.09 328 eP Pp 02 57 58.4 -0.4

MAGA Magasa 1.09 328 eP Pp 02 57 58.4 -0.4

MAGA Magasa 1.09 328 eP Pp 02 57 58.4 -0.4

MAGA Magasa 1.09 328 eP Pp 02 57 58.4 -0.4

MAGA Magasa 1.09 328 eP Pp 02 57 58.4 -0.4

MAGA Magasa 1.09 328 eP Pp 02 57 58.4 -0.4

MAGA Magasa 1.09 328 eP Pp 02 57 58.4 -0.4

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like MOSI, ABSI, ABTA, etc.

SJA 21 03:04:40.1, 0.4, 34.55S, 72.21W, h12km, 141km, ML3.1, MW3.6

GUC 21 03:04:41.2, 0.6, 34.55S, 71.89W, h11km, 4km, ML3.4

ISCJB 21 03:04:42.9, 1.3, 34.59S, 0.05, 71.84W, 0.08, h7km, 8km, Error ellipse: s-maj=12.8km s-min=5.8km az=29.2

ISC 21 03:04:41.0, 1.7, 34.52S, 0.05, 71.92W, 0.09, h6km, 12km, n14, c156/21, 2C, 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, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like GO05, NI05, ANTU, etc.

DJA 21 03:04:57.8, 0.6, 2.3, -12.8E, h14km, 6km, ML3.4/8, Halmahera

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like LBMI, NLAI, MASAI, etc.

ISCJB 21 03:06:14.8, 0.5, 8.85S, 0.04, 124.39E, 0.05, h118km, 6km, mb4.2/1, Error ellipse: s-maj=9.1km s-min=4.9km az=135.9

NEIC 21 03:06:15.6, 0.6, 8.76S, 124.38E, h104km, 7km, mb4.1/6, Error ellipse: s-maj=9.8km s-min=6.6km az=62.0

IDC 21 03:06:16.6, 1.6, 8.72S, 124.21E, h107km, 17km, mb4.0/8, mb1.4.0/9, mb1mx3.6/53, mb2mt4.3/9, Error ellipse: s-maj=28.4km s-min=16.1km az=82.0

DJA 21 03:06:19.0, 1.3, 9.3, -12.4E, h1, h27km, 25km, M4.4/10, mb4.7/2, mb4.4/3, MLv4.4/10, Mw(mB)4.0/2

ISC 21 03:06:15.3, 0.7, 8.92S, 0.05, 124.42E, 0.05, h108km, 7km, n46, c307/64, mb4.3/11, Timor region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like SOEI, BATI, BATA, etc.













JHU	Hachijo jima 2	3.52 200	Pn	Pn	03 21 57.8 +1.4
comp=Z,17nm,0.3s,baz=30,slow=20,SNR=2.8					
JHU			Sn	Sn	03 22 37.8 +0.6
comp=Z,30nm,0.3s,baz=65,slow=19,SNR=2.9					
ASAJ	Asahikawa	7.93 8	Pn	Pn	03 22 53.5 -0.6
comp=Z,1.0nm,0.3s,baz=212,slow=11,SNR=6.4					
WRA	Warramunga Arr	56.46 188	P	P	03 30 42.3 -0.8
comp=Z,1.1nm,0.7s,baz=4.4,slow=7.4,SNR=4.7					
ASAR	Alice Springs	60.19 168	P	P	03 31 09.1 +0.1
comp=Z,0.7nm,0.3s,baz=354,slow=7.5,SNR=2.4					

IDC 21 03:22:55.7±2.5, 21.02S:69.48W, h0km, mb3.7/2, mb1 3.9/4, mb1mx3.6/4.1, mbtmp3.7/4, ML3.5/2, Error ellipse: s-maj=57.3km s-min=49.8km az=6.0  
 ISCJB 21 03:23:14.8±0.7, 19.72S:0.04:69.3W:0.1, h177km, 6km, mb3.5/2, Error ellipse: s-maj=15.7km s-min=6.2km az=174.5

GUC 21 03:23:14.7±0.6, 19.70S:69.20W, h107km, 3km, ML3.5  
 ISC 21 03:23:14.9±0.1, 19.70S:0.04:69.18W:0.09, h108km, 8km, n14, c13/22, SC, Northern Chile

Code	Station Name	A°	AZ°	Phase	ID	Time	Res
						h m s	ISC
PB08	IPOC Station P	0.44	177	Op	ISC	03 23 32.0 +0.4	
PB08				eS	Sn	03 23 44.6 +0.4	
PB08				IAML		03 23 45.7	
comp=N,3um,0.4s							
PB11	IPOC Station P	0.46	262	Op	Pn	03 23 31.4 0.0	
PB11				eS	Sn	03 23 44.1 +0.2	
PB11				IAML		03 23 44.8	
comp=N,3um,0.3s							
MMNC	Minye Minye	0.69	325	eP	Pn	03 23 33.8 +0.4	
MMNC				eS	Sn	03 23 47.8 +0.6	
PSGC	Pisagua	0.90	276	iP	Sn	03 23 50.0 0.0	
PSGC				eS	Sn	03 23 50.3 +0.1	
PSGC				IAML		03 23 50.9	
comp=N,2um,0.4s							
PB01	IPOC Station P	1.37	192	iP	Pn	03 23 40.5 +0.4	
PB01				eS	Sn	03 24 00.1 +0.8	
PB01				IAML		03 24 01.3	
comp=N,1um,0.8s							
PB16	IPOC Station P	1.39	347	iP	Pn	03 23 41.9 +0.9	
PB16				eS	Sn	03 24 02.0 +1.5	
PB16				IAML		03 24 02.9	
comp=N,821nm,0.6s							
PB12	IPOC Station P	1.53	315	eP	Pn	03 23 41.9 -0.2	
PB12				eS	Sn	03 24 03.0 +0.2	
PB12				IAML		03 24 04.3	
comp=N,645nm,0.1s							
PB02	IPOC Station P	1.75	203	eP	Pn	03 23 45.1 +0.4	
PB09	IPOC Station P	2.09	149	iP	Pn	03 23 40.9 +1.2	
PB07	IPOC Station P	2.12	198	iP	Pn	03 23 50.0 +0.5	
PB07				eS	Sn	03 24 16.8 +0.7	
PB07				IAML		03 24 19.0	
comp=N,172nm,0.2s							
LPAZ	La Paz	3.54	17	Pn	Pn	03 24 10.8 +2.1	
comp=N,1.5nm,0.3s,baz=187,slow=7.2,SNR=51							
SIV	San Ignacio	8.55	66	Pn	Pn	03 25 13.0 -3.0	
comp=N,0.4nm,0.3s,baz=268,slow=9.9,SNR=18							
TORD	Torodj Ar. Bea	77.00	71	P	P	03 34 54.9 -1.5	
comp=N,0.4nm,0.5s,baz=254,slow=5.2,SNR=16							
YKA	Yellowknife Arr	89.42	34	P	P	03 35 59.3 +0.3	
comp=N,0.4nm,0.7s,baz=129,slow=4.7,SNR=5.6							

IDC 21 03:37:03.6±1.5, 15.98S:69.36W, h195km±7km, mb3.3/1, mb1 3.1/4, mb1mx2.9/43, mbtmp3.7/4, Error ellipse: s-maj=83.4km s-min=15.5km az=20.0, Peru-Bolivia border region

Code	Station Name	A°	AZ°	Phase	ID	Time	Res
						h m s	ISC
LPAZ	La Paz	1.22	105	P	Pn	03 37 35.7 +0.5	
60nm,0.3s,baz=292,slow=6.5,SNR=2626							
LPAZ				S	Sn	03 37 59.5 0.0	
4.9nm,0.3s,baz=143,slow=24,SNR=8.6							
SIV	San Ignacio	7.97	91	P	Pn	03 38 57.8 +1.2	
0.4nm,0.3s,baz=278,slow=9.9,SNR=10							
NNA	Nana	8.27	298	P	Pn	03 39 01.7 +1.1	
2.4nm,0.3s,baz=120,slow=7.7,SNR=6.0							
NNA				S	Sn	03 40 32.3 -1.3	
0.9nm,0.3s,baz=90,slow=20,SNR=3.5							
CPUP	Villa Florida	15.22	135	P	Pn	03 40 27.7 -1.1	
0.1nm,0.3s,baz=313,slow=3.9,SNR=3.2							
TORD	Torodj Ar. Bea	75.97	72	P	P	03 34 29.6 -0.1	
0.4nm,0.4s,baz=253,slow=4.5,SNR=12							

IDC 21 03:39:41.7±0.5, 15.79S:171.83W, h0km, mb4.5/17, mb1 4.7/17, mb1mx4.4/48, mbtmp4.5/17, MS3.7/9, Ms1 3.9/9, ms1mx3.4/47, Error ellipse: s-maj=21.3km s-min=12.9km az=126.0  
 BJI 21 03:39:43.9, 15.50S:171.90W, h10km, mb5.1/6, mb5.0/1, Ms4.6/1, Ms7.4/6.1  
 ISCJB 21 03:39:45.4±0.2, 15.48S:0.04:171.82W:0.06, h23km, mb4.6/133, MS3.9/9, Error ellipse: s-maj=8.8km s-min=4.1km az=27.5  
 NEIC 21 03:39:47.8±0.2, 15.59S:171.96W, h35km, mb4.7/113, Error ellipse: s-maj=9.9km s-min=5.1km az=136.0  
 ISC 21 03:39:45.7±0.4, 15.63S:0.06:171.78W:0.09, h23km, n236, c169/223, mb4.7/133, MS3.9/9, 2C-3D, Samoa islands region

Code	Station Name	A°	AZ°	Phase	ID	Time	Res
						h m s	ISC
AFI	Afiatalu	1.71	0	Op	Pn	03 40 14.2 +0.1	
137nm,0.3s,baz=121,slow=12,SNR=50							
AFI				Sn	Sn	03 40 34.5 -0.7	
3um,0.3s,baz=0.0,slow=20,SNR=58							
AFI				LR	LR	03 40 56.7	
comp=Z,1um,19.2s,baz=271,slow=40							
AFI	Afiatalu	1.71	0	ePn	Pn	03 40 14.2 +0.1	
1.9nm,0.3s,baz=121,slow=12,SNR=50							
MSVF	Nonsavu	9.97	256	ePn	Pn	03 42 10.8 +3.1	
RAR	Rarotonga	12.67	118	Pn	Pn	03 42 39.4 -5.2	
5.2nm,0.3s,baz=191,slow=1.2,SNR=9.3							
RAR				Sn	Sn	03 44 47.0 -1.8	
3.0nm,0.3s,baz=331,slow=19,SNR=5.5							
RAR				LR	LR	03 46 25.9	
comp=Z,1.43nm,18.1s,baz=258,slow=32							
KNTN	Kanton	12.77	0	ePn	Pn	03 42 45.8 -0.2	
KNTN				eS	Sn	03 44 56.6 -1.1	
PPT2	Papeete2	21.36	98	eLQ	LQ	03 48 37.3	
522nm,29.0s							
PPT2				eLR	LR	03 49 26.1	
244nm,25.5s							
DZM	Mont Dzumac	21.57	249	P	P	03 44 31.4 -2.5	
3.4nm,0.3s,baz=78,slow=19,SNR=3.3							
DZM	Mont Dzumac	21.57	249	eLR	LR	03 49 34.0	
15nm,24.4s							
TBI	Tubuai	22.38	114	eLQ	LQ	03 49 03.0	
399nm,30.2s							
TBI				eLR	LR	03 49 57.4	
287nm,26.2s							
Ouz	Omahuta	23.50	211	eP	P	03 44 52.7 -1.2	
25nm,0.9s							
MXZ	Matakaoa Point	23.55	200	P	P	03 44 58.1 +3.8	
HAZ	Te Kaha	23.90	201	P	P	03 45 00.4 +2.7	
PKGZ	Pakihoro	23.92	200	P	P	03 45 01.8 +3.9	
RUGZ	Raukumara Rang	24.12	201	P	P	03 45 04.0 +4.0	
TWGZ	Tauwhareparea	24.21	200	P	P	03 45 05.0 +4.3	
WHRZ	Whale Island	24.27	202	P	P	03 45 07.9 +6.7	
CNGZ	Carnagh Statio	24.42	199	P	P	03 45 02.0 -0.1	
URZ	Urewera	24.58	201	P	P	03 45 03.9 0.0	
23nm,0.6s,baz=62,slow=3.1,SNR=20							
URZ	Urewera	24.58	201	P	P	03 45 06.0 +2.0	
KMRZ	Kaimai	24.65	204	P	P	03 45 08.4 +3.7	
RAGZ	Rawiri	24.69	201	P	P	03 45 09.8 +4.7	
RTZ	Ruatuhuna	24.95	201	P	P	03 45 08.9 +1.6	
SNZG	Shannon Statio	24.97	200	P	P	03 45 03.3 -4.2	
MTHZ	Maungataniwha	25.21	201	P	P	03 45 14.3 +4.6	
BKZ	Black Stump Fm	25.61	201	eP	P	03 45 15.3 +2.0	
25nm,1.2s							
BKZ	Black Stump Fm	25.61	201	P	P	03 45 16.3 +2.9	
HIZ	Haititi	25.66	205	eP	P	03 45 17.4 +3.7	
44nm,0.9s							
HIZ	Haititi	25.66	205	P	P	03 45 18.9 +5.1	
FWVZ	Far West T-bar	26.03	203	P	P	03 45 23.1 +5.7	
KAHZ	Kahuranaki	26.04	200	P	P	03 45 25.2 +7.9	
BHZ	Black Hill Sta	26.05	202	P	P	03 45 21.9 +4.6	
BFZ	Birch Farm	27.05	200	eP	P	03 45 31.1 +4.8	
72nm,1.5s							

SNZO	South Karori	28.14	202	eP	P	03 45 41.0 +5.0
111nm,1.4s						
HNR	Honiara	28.26	279	LR	LR	03 55 25.5
comp=Z,1.64nm,19.1s,baz=102,slow=33						
THZ	Topout	29.21	204	P	P	03 45 47.0 +1.4
20nm,0.7s						
KHZ	Kahutara	29.53	202	eP	P	03 45 52.8 +4.5
22nm,0.8s						
LTZ	Lake Taylor	30.32	204	eP	P	03 46 00.9 +5.5
35nm,0.6s						
OXZ	Oxford	30.87	203	eP	P	03 46 01.7 +1.4
35nm,0.6s						
RPZ	Rata Peaks	31.58	204	P	P	03 46 08.6 +2.1
9.7nm,1.0s,baz=192,slow=4.3,SNR=2.2						
RPZ	Rata Peaks	31.58	204	eP	P	03 46 08.1 +1.5
14nm,0.6s						
RKT	Rikitea	35.44	108	eLR	LR	03 55 56.7
72nm,28.0s						
H11S2	WAKE ISLAND Hy	39.98	327	T	T	04 29 50.3
baze=145,slow=76,SNR=60						
H11S3	WAKE ISLAND Hy	39.99	327	T	T	04 29 51.3
baze=145,slow=76,SNR=39						
H11S1	WAKE ISLAND Hy	40.00	327	T	T	04 29 51.7
baze=145,slow=76,SNR=34						
H11N3	WAKE ISLAND Hy	40.90	328	T	T	04 30 56.2
baze=145,slow=76,SNR=14						
H11N1	WAKE ISLAND Hy	40.91	328	T	T	04 30 57.6
baze=145,slow=76,SNR=5						
H11N2	WAKE ISLAND Hy	40.92	328	T	T	04 30 57.6
baze=145,slow=76,SNR=12						
STKA	Stephens Creek	45.28	240	P	P	03 48 00.6 -1.1
9.2nm,0.9s,baz=86,slow=3.4,SNR=17						
STKA	Stephens Creek	45.28	240	eP	P	03 48 00.8 -1.0
2.2nm,0.8s						
WB2	Warramunga Arr	51.30	257	eP	P	03 48 47.0 -1.4
WR1	Warramunga Arr	51.31	257	eP	P	03 48 47.1 -1.4
3.9nm,1.3s						
WRA	Warramunga Arr	51.31	257	P	P	03 48 47.1 -1.4
1.3nm,0.6s,baz=91,slow=6.8,SNR=18						
AS01	Alice Springs	51.48	252	eP	P	03 48 47.8 -2.0
AS31	Alice Springs	51.52	252	eP	P	03 48 48.0 -2.1
3.9nm,1.3s						
ASAR	Alice Springs	51.53	252	P	P	03 48 48.5 -1.6
11nm,0.7s,baz=87,slow=7.6,SNR=68						
VNDA	Vanda	63.31	186	P	P	03 50 10.8 -1.6
0.9nm,0.9s,baz=33,slow=9.4,SNR=3.8						
GSTR	Great Sitkin T	67.54	357	eP	P	03 50 37.9 -2.0
KMRM	Mail Ridge	71.29	37	eP	P	03 51 04.2 +0.7
17nm,0.9s						
KHMM	Horse Mountain	71				



Table with columns: Code, Station Name, Az, El, AzE, ElE, AzM, ElM, AzS, ElS, AzP, ElP, AzT, ElT, AzR, ElR, AzI, ElI, AzO, ElO, AzA, ElA, AzB, ElB, AzC, ElC, AzD, ElD, AzE, ElE, AzF, ElF, AzG, ElG, AzH, ElH, AzJ, ElJ, AzK, ElK, AzL, ElL, AzM, ElM, AzN, ElN, AzO, ElO, AzP, ElP, AzQ, ElQ, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Includes stations like Cape Leeuwin H, Hu-ho-hao-te, Baumata, etc.

Table with columns: Code, Station Name, Az, El, AzE, ElE, AzM, ElM, AzS, ElS, AzP, ElP, AzT, ElT, AzR, ElR, AzI, ElI, AzO, ElO, AzA, ElA, AzB, ElB, AzC, ElC, AzD, ElD, AzE, ElE, AzF, ElF, AzG, ElG, AzH, ElH, AzJ, ElJ, AzK, ElK, AzL, ElL, AzM, ElM, AzN, ElN, AzO, ElO, AzP, ElP, AzQ, ElQ, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Includes stations like Dimbokro, Hagsfors, Lamto, etc.

ISCJB 21 04:00:53.7±0.5, 31.80N±0.03±1.16:05W±0.03, h2km±6km, Error ellipse: s-maj=5.5km s-min=3.5km az=43.5 NEIC 21 04:00:55.6±0.0, 31.76N±1.6:08W, h6km, ML2.7(ECX), ECX 21 04:00:55.6±0.0, 31.76N±1.6:08W, h6km, MD2.5, ML2.7 MEX 21 04:00:57.0±0.3, 31.83N±1.6:02W, h20km±170km, MD3.7 ISC 21 04:00:54.6±1.0, 31.77N±0.02±116:07W±0.02, h8km±10km, n26, e085/49, 14C-2D, Baja California

Table with columns: Code, Station Name, Az, El, AzE, ElE, AzM, ElM, AzS, ElS, AzP, ElP, AzT, ElT, AzR, ElR, AzI, ElI, AzO, ElO, AzA, ElA, AzB, ElB, AzC, ElC, AzD, ElD, AzE, ElE, AzF, ElF, AzG, ElG, AzH, ElH, AzJ, ElJ, AzK, ElK, AzL, ElL, AzM, ElM, AzN, ElN, AzO, ElO, AzP, ElP, AzQ, ElQ, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Includes stations like El Zacaton, Esteban Cantu, Cerro Bola, etc.

Table with columns: Code, Station Name, Az, El, AzE, ElE, AzM, ElM, AzS, ElS, AzP, ElP, AzT, ElT, AzR, ElR, AzI, ElI, AzO, ElO, AzA, ElA, AzB, ElB, AzC, ElC, AzD, ElD, AzE, ElE, AzF, ElF, AzG, ElG, AzH, ElH, AzJ, ElJ, AzK, ElK, AzL, ElL, AzM, ElM, AzN, ElN, AzO, ElO, AzP, ElP, AzQ, ElQ, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Includes stations like Piazon Flat, Pinyon Flats O, Blythe, etc.







21d 5h

2012 MAY

1312

Error ellipse: s-maj=12.7km s-min=7.2km az=94.0
ISCJB 21 05:15:27.9.0.3,1.27S,0.03:68W,0.4km,h111km,3km,
mb4.2/21,Error ellipse: s-maj=5.8km s-min=4.2km az=6.7
GUC 21 05:15:28.2.0.4,31.26S:68.83W,h133km,7km,ML4.2
SJA 21 05:15:28.4.0.6,31.33S:68.72W,h105km,4km,ML4.2,
MW4.5

ISC 21 05:15:27.9.0.7,31.28S:0.04:68.68W,0.04,h105km,6km,
n73,r1564/84,mb4.2/21,5C,San Juan Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like Cerro Villucun, San Juan, Mogná, Cerro Valdivia, Leoncito, etc.

IDC 21 05:19:42.4.1.7,9.49S,159.96E,h58km,12km,mb3.6/5,
mb1.4,0.5,mb1mx3.5/44,mbtp3.9/5,MS2.9/2,Ms1.2.9/2,
ms1mx2.6/35,Error ellipse: s-maj=53.9km s-min=21.1km
az=134.0

ISC 21 05:19:41.5.4.7,9.75S:0.5,160.1E:0.5,h55km,34km,n15,
r1509/g,mb3.9/5,Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Honiara, Port Moresby, Warramunga Arr, Afimalu, etc.

Table with columns: ASAR, Alice Springs, H1S12, WAKE ISLAND Hy 28.78, H1S13, WAKE ISLAND Hy 28.78, H1S11, WAKE ISLAND Hy 30.01, H1N3, WAKE ISLAND Hy 30.01, H1N2, WAKE ISLAND Hy 30.02, ILAR, Emission Array, NVAR, Mina Array Bea, YKA, Yellowknife Ar. Lists stations and their parameters.

ISCJB 21 05:35:36.4.1.3,44.44N:0.06:144.13E:0.04,h2km,7km,
Error ellipse: s-maj=10.4km s-min=4.4km az=166.5
JMA 21 05:35:37.7.0.1,44.37N:144.13E,h0km,M3.1
SKHL 21 05:35:38.0.3.4,2.63N:146.08E,h40km,4km,mb4.4/4
ISC 21 05:35:37.8.1.6,43.71N:0.08:144.14E:0.03,h12km,11km,
n110,r0830/19,Hokkaido region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Abashiri-Toko, Maruseppu, JTRK, JMA, JRP, JRA, JNK, JAR, JAK, JKK2, LAGR, LAGR, LAGR, LAGR, GRPR, GRPR, GRPR, GRPR, YUK, YUK, YUK, YUK, KUR, KUR, KUR, KUR, HGSB, Ruisui, CHKT, Chengkung, CHKT, Yuli, TWF1, FULB, FULB, YULB, YULB, EHY, EGFH, EGFH, ESL, Shilin, ESL, ELDTW, Lidau, ELDTW, TWH, Lutao, TWH, ENLB, Shoufeng, ENLB, VVDT, VVDT, VVDT, TWGBT, Beinan, TWGBT, TWG, Pinglang, TWG, HWA, Hwallen, HWA, OWD, Renai, OWD, ALS, Alishan, ALS, TWD, Chiawan, TWD, TWD, CHGB, Renai, CHGB, NACB, Ninganchiao, NACB, SMLT, Sun Moon Lake, SMLT, TPUB, Ta-pu.

ISCJB 21 05:41:25.0.0.3,23.28N:0.01:121.66E:0.02,h30km,1km,
Error ellipse: s-maj=2.6km s-min=1.8km az=34.4
TAP 21 05:41:24.6.0.1,23.27N:121.67E,h29km,ML3.7,C
JMA 21 05:41:24.6.0.1,23.27N:121.59E,h41km,2km,M3.3
ISC 21 05:41:25.0.0.9,23.28N:0.02:121.63E:0.02,h32km,7km,
n81,r082/160,1C,Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Ruisui, Chengkung, Yuli, FULB, FULB, YULB, YULB, EHY, EGFH, EGFH, ESL, Shilin, ESL, ELDTW, Lidau, ELDTW, TWH, Lutao, TWH, ENLB, Shoufeng, ENLB, VVDT, VVDT, VVDT, TWGBT, Beinan, TWGBT, TWG, Pinglang, TWG, HWA, Hwallen, HWA, OWD, Renai, OWD, ALS, Alishan, ALS, TWD, Chiawan, TWD, TWD, CHGB, Renai, CHGB, NACB, Ninganchiao, NACB, SMLT, Sun Moon Lake, SMLT, TPUB, Ta-pu.

Table with columns: TPUB, Taimai, ECL, ECL, CHNS, Tsauling, CHNS, WTP, Ta-pu, WTP, Liugui, SLGT, SLGT, CHN4, Tsausshan, CHN4, SGST, Jiashian, SGST, DPDB, Guoxing, DPDB, WJS, Zhushan, WJS, CHN1, Nanshi, CHN1, TWK, Hsiuying, TWK, TWK, TWT, Tachien, TWT, WNT, Mingjian, WNT, TDCB, Tech, TDCB, WKG, Gukung, WKG, SSD, Sandimen, SSD, WDLH, Douliu, WDLH, CHY, Chiyai, CHY, MASBT, Masbuluo, MASBT, ENA, Nanau, ENA, NANB, Nanao, NANB, EAST, Anshuo, EAST, NNSB, Datong, NNSB, NNSH, Datong, NNSH, NNS, Nan Shan, NNS, TWM1, Shoushan, TWM1, TCU, Taichung, TCU, LAY, Lanau, LAY, WLBG, Puzi, WLBG, WCHH, Zhangua, WCHH, SCZT, Fangliu, SCZT, CHN8, Yiju, CHN8, SCLT, Jiali, SCLT, TWC, Suao, TWC, ENT, Nioudou, ENT, NSY, Sanyi, NSY, YHNB, Yeheng, YHNB, NSK, Sanguang, NSK, TWE, Neicheng, TWE, NSTT, Nanjuang, NSTT, NMLH, Miaoili, NMLH, NMLH, Emei, NMLH, LIQB, Emei, LIQB, NNLW, Wulai, NNLW, HEN, Hengchun, HEN.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Hengchuen, Pin, TSEB, TWKBT, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Uokit, SVKR, NIZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Afar-Bala, Bala, Konya-Kulu, etc.

IDC 21 05:50:24.5:1.5, 4.23N-92.79E, h0km, mb3.9/6, mb1 4.1/9, mb1mx3.7/65, mbtmp4.0/9, ML3.9/3, Error ellipse: s-maj=45.7km s-min=21.8km az=42.0

ISCJB 21 05:50:25.2:0.6, 4.09N, 0.08:92.74E:0.05, h22km, mb4.0/8, Error ellipse: s-maj=12.8km s-min=5.7km az=25.0

NEIC 21 05:50:25.8:0.6, 4.18N-92.74E, h10km, mb4.2/3, Error ellipse: s-maj=13.5km s-min=6.9km az=212.0

ISC 21 05:50:27.3:0.9, 4.22N-0.1:92.78E:0.07, h22km, n35, 0.959/35, mb4.0/8, Off west coast of northern Sumatara

BOD Bodaibo 2.53 25 ePn Pn 05 54 36.5 -1.2

BOD Bodaibo 05 54 39.6 -2.1

BOD Bodaibo 05 55 07.6 -1.6

BOD Bodaibo 05 55 12.6 -0.7

ISCJB 21 06:29:42.7:0.7, 39.63N:0.06:143.57E:0.06, h11km, mb3.6/9, Error ellipse: s-maj=9.3km s-min=5.0km az=145.6

IDC 21 06:29:42.5:1.7, 39.63N:143.43E, h0km, mb3.6/9, mb1 3.7/11, mb1mx3.6/71, mbtmp3.6/11, ML3.3/2, Error ellipse: s-maj=40.8km s-min=21.8km az=159.0

JMA 21 06:29:44.2:0.2, 39.59N:143.59E, h32km, n33, 0.8/32, mb4.0/8, Off east coast of Honshu

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KELR, CHITA, CRS, etc.

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

MOS 21 05:53:54.2:1.0, 55.52N:112.00E, h11km, mb4.2/1, Error ellipse: s-maj=28.5km s-min=21.2km az=112.6

BYKL 21 05:53:55.0:3.3, 55.55N:112.01E, 5C-1D, Lake Baykal region

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

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

NIED 21 06:30:00.37:30N:143.50E, h8km, Mw4.3 Best double couple: M2:8200x1015 NP1:5x3.00000, 825.00000, 1-92.00000, NP2:235.00000, 865.00000, 1-89.00000

IDC 21 06:30:07.6:0.6, 37.04N:143.79E, h0km, mb4.1/19, mb1 4.3/25, mb1mx4.1/75, mbtmp4.2/25, ML4.0/5, MS3.1/11, Ms1 3.1/11, ms1mx2.9/55, Error ellipse: s-maj=15.8km s-min=13.6km az=137.7

JMA 21 06:30:11.7:0.3, 37.226N:143.49E, h48km, M4.6, ISCJB 21 06:30:11.4:0.3, 37.10N:0.04:143.55E:0.03, h33km, mb4.3/46, MS3.3/9, Error ellipse: s-maj=5.6km s-min=3.2km az=161.0

NEIC 21 06:30:13.3:0.4, 37.14N:143.66E, h35km, mb4.4/19, Error ellipse: s-maj=9.8km s-min=6.4km az=153.0

BUI 21 06:30:13.6, 37.48N:143.33E, h27km, mb4.6/33, mb4.8/17, Ms4.4/9, Ms7.4/1/6

ISC 21 06:30:13.7:0.5, 37.26N:0.05:143.62E:0.06, h35km, n113, 0.2919/19, mb4.3/46, MS3.3/10, C, Off east coast of Honshu

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

CSEM 21 06:20:55.8:0.1, 39.45N:33.03E, h5km, ML2.3, Error ellipse: s-maj=2.9km s-min=2.3km az=66.0









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

ISCJB 21 08:21:04.8, 6.0, 36.2S; 0.1x100.5W; 0.1, h16km, mb4.4/15, MS3.6/9, Error ellipse: s-maj=15.9km s-min=14.2km az=159.6

NEIC 21 08:21:05.9, 0.6, 36.2S; 100.45W, h10km, mb4.5/7, Error ellipse: s-maj=15.8km s-min=14.0km az=67.0

IDC 21 08:21:05.2, 1.2, 36.20S; 100.42W, h0km, mb3.9/7, mb1.4/2.7, mb1mx3.4/3.4, mbtmp3.9/7, MS3.6/10, Ms1.3/6/10, ms1mx3.4/3.4, Error ellipse: s-maj=33.4km s-min=26.2km az=59.0

ISC 21 08:21:06.3, 0.7, 36.1S; 0.1x100.5W; 0.1, h16km, n26, s186E/18, mb4.3/15, MS3.6/9, Southeast of Easter Island

Main station list table for the first section, including stations like RPN, PLCA, TRQA, NNA, etc.

IDC 21 08:39:20.6, 0.5, 24.56S; 176.02W, h0km, mb4.5/20, mb1.4/6/20, mb1mx4.5/49, mbtmp4.5/20, MS3.8/19, Ms1.3/8/19, ms1mx3.6/44, Error ellipse: s-maj=20.2km s-min=16.1km az=14.0

NEIC 21 08:39:22.0, 2.2, 24.53S; 176.05W, h10km, mb4.6/6/60, Error ellipse: s-maj=8.5km s-min=6.0km az=145.0

ISCJB 21 08:39:23.8, 0.2, 24.63S; 0.1x100.5W; 0.05, h30km, mb4.6/80, MS3.8/18, Error ellipse: s-maj=8.2km s-min=5.3km az=154.8

MOS 21 08:39:24.5, 0.9, 24.60S; 176.08W, h33km, mb4.7/26, Error ellipse: s-maj=15.3km s-min=11.8km az=67.4

ISC 21 08:39:25.4, 0.4, 24.61S; 0.06x176.09W; 0.07, h30km, n173, s1913/156, mb4.6/79, MS3.8/18, 5C-4D, South of Fiji Islands

Main station list table for the second section, including stations like MSVF, AFI, URZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WB2, WRAB, WRAP, etc.

Main station list table for the third section, including stations like WRA, MLH, VVND, FITZ, etc.

Main station list table for the fourth section, including stations like KNB, U15A, SZCU, etc.

CSEM 21 08:50:48.7, 0.4, 37.29N; 38.60E, h2km, ML2.3, Error ellipse: s-maj=9.1km s-min=6.7km az=142.0
ISK 21 08:50:49.3, 37.27N; 38.66E, h9km, ML2.3/5
D 21 08:50:48.3, 1.5, 37.28N; 0.04x38.60E; 0.03, h1km; 12km, n22, c052/32, Turkey



comp=E,47um,1.6s

ISCJB 21 10:00:27.8,1.7,5.17S;.05x153.57E;.0,08,h57km,14km, mb4.4/26,MS3.1/3,Error ellipse: s-maj=12.7km  
 s-min=9.5km az=176.6  
 NEIC 21 10:00:29.9,1.2,5.17S;.153.56E,h63km,10km,mb4.4/9, Error ellipse: s-maj=6.2km az=80.0  
 IDC 21 10:00:29.1,0.6,5.17S;.153.59E,h55km,5km,mb4.3/21, mb1.4/22,mb1mx4.1/48,mbtmp4.5/22,MS3.2/4, MS1.3/2.4,ms1mx2.9/43,Error ellipse: s-maj=5.1km s-min=10.4km az=82.0  
 ISC 21 10:00:29.4,0.7,5.15S;.05x153.59E;.0,09,h57km,5km, h57km;p-P,n60,.0f90/69,mb4.4/26,MS3.1/3,New Ireland region

Code	Station Name	Δ°	AZ°	Phase	ID	Op	ISC	h	m	s	ISC	Time	Res
RABL	Rabaul	1.71	304	ePn	Pn			10	00	57.5	+0.6		
HNR	Honiara	7.60	124	LR	LR			10	05	41.4			
PMG	Port Moresby	7.66	236	P	P			10	02	18.7	+0.4		
PMG	Port Moresby	7.66	236	ePn	Pn			10	02	18.7	+0.4		
PMG	Port Moresby	7.66	236	ePn	Pn			10	02	18.8			
PMG	Port Moresby	7.66	236	ePn	Pn			10	03	43.7	0.0		
GUM0	Guam	20.53	335	LR	LR			10	13	25.2			
DZM	Mont Dzumac	20.92	145	P	P			10	05	08.5	+1.0		
DZM	Mont Dzumac	20.92	145	eP	P			10	05	08.5	+1.0		
WRAB	Tennant Creek	23.80	230	eP	P			10	05	37.1	-0.1		
WB2	Warramunga Arr	23.81	230	eP	P			10	05	36.1	-1.1		
WB2	Warramunga Arr	23.81	230	eP	P			10	05	36.4	-0.8		
WR1	Warramunga Arr	23.82	230	eP	P			10	05	36.1	-1.2		
WR1	Warramunga Arr	23.82	230	eP	P			10	09	19.9	+0.3		
WRA	Warramunga Arr	23.82	230	eP	P			10	05	36.1	-1.2		
WRA	Warramunga Arr	23.82	230	eP	P			10	09	19.9	+0.3		
ARMA	Armidale	25.20	184	eP	P			10	05	50.8	+0.9		
AS31	Alice Springs	26.43	224	eP	P			10	06	00.4	-0.7		
ASAR	Alice Springs	26.44	224	eP	P			10	06	00.1	-1.0		
ASAR	Alice Springs	26.44	224	eP	P			10	09	26.1	+0.7		
H1S3	WAKE ISLAND Hy 26.81	28	T	T				10	34	25.0			
H1S2	WAKE ISLAND Hy 26.81	29	T	T				10	34	23.0			
H1S1	WAKE ISLAND Hy 26.83	28	T	T				10	34	21.7			
STKA	Stevens Creek	28.87	201	P	P			10	06	20.8	-1.9		
FITZ	Fitzroy Crossi	30.19	242	eP	P			10	06	33.4	-1.2		
FITZ	Fitzroy Crossi	30.19	242	eP	P			10	19	23.3			
FITZ	Fitzroy Crossi	30.19	242	eP	P			10	06	33.4	-1.2		
RAO	Raoul Island	36.07	135	eP	P			10	19	23.3			
URZ	Urewera	39.29	150	eP	P			10	07	52.9	+0.2		
RPA	Rata Peaks	41.38	161	P	P			10	08	10.6	+0.6		
NWZ0	Narrogin (SRO)	43.71	226	LR	LR			10	27	04.8			
JNU	Nakatsue	43.74	332	P	P			10	08	28.3	-1.0		
JNU	Nakatsue	43.74	332	eP	P			10	08	28.3	-1.0		
KSRS	Korea Array	48.67	333	P	P			10	09	07.4	-0.5		
KSRS	Korea Array	48.67	333	eP	P			10	09	23.2	+0.4		
KS15	Wonju Array Si	48.68	333	eP	P			10	09	07.4	-0.5		
KSAR	Wonju Array Be	48.68	333	eP	P			10	09	07.4	-0.5		
PBK7	Sadao Pong	56.32	294	eP	P			10	10	05.0	+0.2		
PETK	Petropavlovsk-	58.14	3	P	P			10	10	17.4	+0.3		
PEA1	Petropavlovsk-	58.15	3	P	P			10	10	17.4	+0.3		
CM01	Chiang Mai Arr	58.71	295	eP	P			10	10	21.1	-0.1		
CM31	Chiang Mai Arr	58.74	295	eP	P			10	10	21.1	-0.1		
CM31	Chiang Mai Arr	58.74	295	eP	P			10	10	23.0	+1.1		
CMAR	Chiang Mai Arr	58.74	295	P	P			10	10	37.0	-0.3		
CMAR	Chiang Mai Arr	58.74	295	eP	P			10	11	17.4	+0.7		
SONA0	Songino Array	67.04	328	P	P			10	11	17.4	+0.7		
SONM	Songino Array	67.04	328	P	P			10	11	17.4	+0.7		
VNDA	Vanda	72.45	178	P	P			10	11	50.4	+1.0		
VNDA	Vanda	72.45	178	eP	P			10	12	05.6	+0.4		
BILL	Bilbino	73.57	5	eP	P			10	11	57.7	+1.7		
MK01	Makanchi Array	81.09	319	eP	P			10	12	39.0	+0.4		
MK32	Makanchi Array	81.11	319	eP	P			10	12	39.1	+0.5		
MK32	Makanchi Array	81.11	319	eP	P			10	12	39.1	+0.5		
MKAR	Makanchi Array	81.11	319	eP	P			10	12	55.2	+0.4		
ZALV	Zalesovo Beam	81.88	326	P	P			10	12	42.1	-0.4		
ZAA1	Zalesovo Array	81.88	326	eP	P			10	12	42.1	-0.4		
ILAR	Eielson Array	82.19	22	P	P			10	12	42.2	-1.7		
ILB	Eielson Array	82.19	22	eP	P			10	12	42.2	-1.7		
KURK	Kurchatov Arra	84.56	322	eP	P			10	12	56.4	-0.1		
KURB	Kurchatov Arra	84.56	322	eP	P			10	12	56.4	-0.1		
TKM2	Tokmak 2	84.74	314	P	P			10	12	58.7	+0.9		
QSPA	South Pole Qui	84.81	180	P	P			10	12	58.3	+0.7		
KZA	Kyzart	84.82	313	P	P			10	13	00.3	+1.8		
KBK	Karagaybulak	85.16	313	P	P			10	13	01.1	+1.3		
UCH	Uchter	85.39	313	P	P			10	13	03.2	+1.9		
MAW	Mawson	85.55	203	P	P			10	13	01.5	+0.4		
MAW	Mawson	85.55	203	eP	P			10	13	01.4	+0.4		
USP	Ospenovka	85.60	314	P	P			10	13	02.8	+0.9		
BVAR	Borovyoye Array	89.99	323	P	P			10	13	21.9	-0.7		
YKA	Yellowknife Ar	95.37	28	P	P			10	13	45.8	-1.4		
TORD	Torodi Ar. Bea	151.16	288	PKPbc	PKPbc			10	20	17.1	-0.2		
TORD	Torodi Ar. Bea	151.16	288	PKPbc	PKPbc			10	20	32.1	-2.1		
TOA1	Torodi Ar. Sit	151.17	288	ePKPbc	PKPbc			10	20	17.1	-0.2		
TOA1	Torodi Ar. Sit	151.17	288	ePKPbc	PKPbc			10	20	32.1	-2.1		

IDC 21 10:00:41.7,1.9,3.43S;.150.21E,h0km,mb4.3/3, mb1.4/6.3,mb1mx3.9/46,mbtmp4.3/3,MS3.4/1,MS1.3/4.1, ms1mx2.6/41,Error ellipse: s-maj=122.5km s-min=27.3km az=122.0,New Ireland region

comp=Z,84nm,21.9s,baz=67,slo=37

ILAR Eielson Array 81.88 23 P P 10 13 03.9 +1.2

TORD Torodi Ar. Bea 147.42 289 PKPbc PKPbc 10 20 25.7 -0.5

MEX 21 10:11:01.6,0.3,16.52N;100.51W,h12km,5km,MD3.8, Near coast of Guerrero

Code	Station Name	Δ°	AZ°	Phase	ID	Op	ISC	h	m	s	ISC	Time	Res
CAIG	El Cayaco	0.57	24	Op	Pg			10	11	17.7	-1.1		
CAIG	El Cayaco	0.57	24	eP	Pg			10	11	19.1	-1.3		
ACP2	Acapulco	0.69	59	iP	Pg			10	11	13.3	-1.7		
ACP2	Acapulco	0.69	59	eP	Pg			10	11	22.8	-1.4		
ZIIG	Zihuatanejo	1.42	320	iP	Pn			10	11	23.5	-3.6		
ZIIG	Zihuatanejo	1.42	320	eP	Pn			10	11	40.8	-5.0		
ARIG	Puente Sto Nin	1.76	5	eP	Pn			10	11	28.4	-3.5		
ARIG	Puente Sto Nin	1.76	5	eP	Pn			10	11	49.4	-4.9		
PLIG	Platanillo	2.09	27	eP	Pn			10	11	33.5	-3.1		
PLIG	Platanillo	2.09	27	eP	Pn			10	11	58.2	-4.4		
TLIG	TIapa	2.13	61	eP	Pn			10	11	33.6	-3.5		
PNIG	Pinotepa	2.29	93	iP	Pn			10	11	59.1	-4.4		
PNIG	Pinotepa	2.29	93	iP	Pn			10	11	36.6	-2.6		
PNIG	Pinotepa	2.29	93	iP	Pn			10	12	02.9	-4.4		

MEX 21 10:16:15.6,0.6,16.55N;100.37W,h6km,3km,MD3.9, Near coast of Guerrero

Code	Station Name	Δ°	AZ°	Phase	ID	Op	ISC	h	m	s	ISC	Time	Res
CAIG	El Cayaco	0.51	11	Op	Pg			10	16	25.3	-0.1		
CAIG	El Cayaco	0.51	11	iP	Pg			10	16	32.0	0.0		
ACP2	Acapulco	0.56	55	iP	Pg			10	16	26.8	+0.3		
ACP2	Acapulco	0.56	55	eP	Pg			10	16	34.1	+0.2		
ZIIG	Zihuatanejo	1.49	315	iP	Pn			10	16	39.0	-3.8		
ZIIG	Zihuatanejo	1.49	315	eP	Pn			10	16	57.3	-5.3		
ARIG	Puente Sto Nin	1.72	1	eP	Pn			10	16	42.5	-3.7		
ARIG	Puente Sto Nin	1.72	1	eP	Pn			10	16	40.4	-4.5		
TLIG	TIapa	2.00	59	eP	Pn			10	16	45.9	-4.1		
TLIG	TIapa	2.00	59	eP	Pn			10	16	40.8	-4.6		
PLIG	Platanillo	2.01	24	eP	Pn			10	16	47.3	-2.9		
PLIG	Platanillo	2.01	24	eP	Pn			10	17	11.3	-4.4		

NIED 21 10:17:00.39;30N;143.60E,h17km,Mw5.0 Best double couple: M3.64000x1016 NP1.98187.00000°,830.00000°, 1.92.00000° NP2.985.00000°,860.00000°,1.89.00000°

IDC 21 10:17:06.8,0.7,39.32N;.02:143.57E,h0km,mb4.6/44, mb1.4/7.51,mb1mx4.6/80,mbtmp4.7/51,ML4.3/6,MS4.4/45, MS1.4/45,ms1mx4.2/68,Error ellipse: s-maj=11.6km s-min=9.2km az=126.0

ISCJB 21 10:17:06.8,0.7,39.32N;.02:143.57E,h0km,mb4.6/44, mb5.0/355,MS4.8/84,Error ellipse: s-maj=3.2km s-min=2.0km az=154.5

JMA 21 10:17:07.0,0.1,39.36N;143.71E,h32km,MS.1 JMA Felt II JJI

BUI 21 10:17:10.7,39.45N;143.22E,h30km,mb5.0/81,mb5.2/62, MS5.1/90,MS7.5/182

MOS 21 10:17:10.5,0.9,39.53N;143.45E,h33km,mb5.2/110, MS4.8/30,Error ellipse: s-maj=5.7km s-min=3.9km az=95.7

GCMT 21 10:17:11.1,±0.3,39.42N;143.83E,h22km,1km,MW5.1/83, Moment Tensor Solution: 0.43,0.54, -0.63,c111. Duration: 0 Moment tensor: Scale 1016Nm; M2.59±20; Mw=0.23±.11; Mw=2.36±.14; Mw=0.61±.19; Mw=0.51±.07; Mw=4.31±.40; Best double couple: M5.03500x1016 NP1.98500000°,875.00000°,1.88.00000° NP2. 98196.00000°,815.00000°,1.97.00000°. Principal axes: T 5.0990,Plg60.0000°,AzM276.0000°; N -0.1300,Plg2.0000°,AzM9.0000°; P -4.9720,Plg30.0000°. AzM100.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 21 10:17:11.1,±0.1,39.36N;143.47E,hb5.2/247 Error ellipse: s-maj=2.8km s-min=1.6km az=156.0

NEIC Recorded [2 JMA] in Iwate

ISC 21 10:17:09.7,0.4,39.33N;.003:143.58E;.0,03,h25km,2km, h25km;p-P,n1071,.1849/1094,mb5.1/364,MS4.8/85, 39C-16D, Off east coast of Honshu

Code	Station Name	Δ°	AZ°	Phase	ID	Op	ISC	h	m	s	ISC	Time	Res
MIYJ	Miyakonagasawa	1.38	281	iP	Pn			10	17	32.2	-1.2		
MIYJ	Miyakonagasawa	1.38	281	eP	Pn			10	17	50.5	-0.2		



Table with columns: Station ID, Name, Frequency, Mode, Power, and other technical details. Includes stations like MK31, MKAR, LPSI, MSAI, MAKZ, etc.

Table with columns: Station ID, Name, Frequency, Mode, Power, and other technical details. Includes stations like BVAR, BRVK, KOLN, OTUK, FRU, etc.

Table with columns: Station ID, Name, Frequency, Mode, Power, and other technical details. Includes stations like AKTO, SPATS, FITZ, WRAB, WRA, etc.



21d 10h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like Umpqua Nationa, Dider Farm, JCC, etc.

2012 MAY

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like NEY, HRY, CMB, etc.

1322

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like AKASG, AKKB, AKBB, etc.

Table with columns: Call Sign, Name, Comp, Freq, Power, Mode, and other details. Includes entries like KIS comp=Z,2um,16.0s, KIS Kishinev, KIS comp=N,600nm,16.0s, etc.

Table with columns: Call Sign, Name, Comp, Freq, Power, Mode, and other details. Includes entries like CRVS comp=Z,34nm,1.7s, PV15 Cervenica-Dubn, D32A comp=Z,47nm,1.9s, etc.

Table with columns: Call Sign, Name, Comp, Freq, Power, Mode, and other details. Includes entries like F34A Alexandria, OGNE Ogallala, EYMN comp=Z,320, H33A Prehn Over Nor, etc.

21d 10h

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like F40A, G39A, J36A, etc.

2012 MAY

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like L41A, P37A, TUE, etc.

1324

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like S44A, R45A, V41A, etc.

ADC 21 10:19:41.9,6.0,9:91S:159.78E,h26km,43km,mb3.6/7, mb1 3.77, mb1mx3.5/46, mbtimp3.77, Error ellipse: s-maj=83.3km s-min=13.7km az=123.0, ISCJB 21 10:19:42.2,1.2,9:8S:0.2:159.5E:0.1,h32km,mb3.8/7, Error ellipse: s-maj=37.8km s-min=7.6km az=149.3, ISC 21 10:19:43.4,2.0,9:9S:0.3:159.7E:0.3,h32km,n9, 0.09/1.1,mb3.9/7,Bougainville-Solomon Islands region

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

CSEM 21 10:25:25.5,0.3,60:87N:25:89E,h2km,ML1.3, Error ellipse: s-maj=5.6km s-min=4.4km az=92.0, Mining explosion, HEL 21 10:25:26.8,0.1,60:86N:25:91E,h0km,ML1.3, Explosion,Finland



21d 11h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KSH Kashi, ARU Arti, AB31 Akbulak array, etc.

ISCJB 21 10:47:05.9.0.3,34.97N.0.118.58W.0.02,h2km,3km, Error ellipse: s-maj=2.5km s-min=1.9km az=43.2

NEIC 21 10:47:07.3.0.0,34.96N.118.58W,h9km,ML3.6(PAS), After PAS.

NEIC Felt [II] at Ojai and [I] at Lake Hughes, Lancaster, Palmdale, Santa Clarita and Tehachapi. Also felt at Bakersfield, Beaumont, California City, Canyon Country, Chatsworth, Costa Mesa, Frazier Park, Goleta, Huntington Beach, Irvine, Lake Forest, Lebec, Littlerock, Los Angeles, Mission Viejo, Newport Beach, Rosarmond and Santa Ana.

ISC 21 10:47:06.9.0.3,34.95N.0.118.57W.0.02,h11km,6km,n123,-0.96/149,Southern California

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ARVC Arvin, TEJ El Tejon, OSI Osito Audit: C, etc.

2012 MAY

Main table with columns: DECC, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Green Verdugo, WASMI Alta Sierra Ca, WORMY Worny Ranch, etc.

1326

Table with columns: HCORN, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Corn Cob Canyon, HSPM Sheep, NEE2 Needles Airpor, etc.

CSEM 21 10:48:43.3.0.6,38.47N.43.44E,h12km,ML3.1, Error ellipse: s-maj=12.2km s-min=8.8km az=126.0

ISCB 21 10:48:43.7,38.47N.43.31E,h5km,ML2.5/1

ISCJB 21 10:48:44.5.1.2,38.49N.0.06.43.38E.0.07,h10km,5km, Error ellipse: s-maj=11.7km s-min=6.4km az=43.7

DDA 21 10:48:45.5,38.51N.43.34E,h7km,ML3.1

ISC 21 10:48:44.9.1.5,38.50N.0.04.43.34E.0.07,h7km,12km,n14,-0.87/27,Turkey

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

NEIC 21 10:53:45.3.0.0,16.73N.94.09W,h151km,MD4.0(MEX), After MEX.

MEX 21 10:53:46.2.0.4,16.72N.94.09W,h143km,10km,MD4.0, Oaxaca

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

MEX 21 11:03:19.2.0.7,25.06N.100.06W,h16km,999km,MD3.9, Northern Mexico

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

IDC 21 11:13:28.2.0.7,31.15S.71.73W,h0km,mb3.8/6, mb1.4/0.9,mb1mx3.8/6,mb1mx3.7/9,ML3.6/3,MS2.9/2, Ms1.2/9.2,ms1mx2.7/33, Error ellipse: s-maj=34.8km s-min=24.4km az=70.0

SJA 21 11:13:31.9.0.6,30.98S.71.72W,h10km,15km,ML4.1, MW4.4

GUC 21 11:13:32.7.1.7,30.99S.71.73W,h55km,19km,ML4.0

NEIC 21 11:13:33.0.0.0,30.99S.71.65W,h59km,mb4.4/4, ML4.0(GUC), After GUC.

NEIC Felt [II] at Coquimbo and La Serena. ISC 21 11:13:29.5.1.3,31.06S.0.03.71.79W.0.07,h5km,11km,n60,-1.936/68,mb4.1/2.32,Near coast of central Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like G004 Tololo Observa, G004 Tololo Observa, G004 Tololo Observa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAL Salagasta, ARCO CERRO ARCO, AGRG Agrelo, etc.

Code Station Name Az Az' Phase ID Time Res ISC
AFI Afiamalu 11.33 21 Pn 11 17 14.3 -6.0

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

SOME 21 11:19:48.8, 41.63N; 71.52E, h15km
KRNET 21 11:19:48.6, 0.1, 41.62N; 71.67E, h14km, mb2.5

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

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

Code Station Name Az Az' Phase ID Time Res ISC
AFI Afiamalu 7.26 66 P 11 32 39.4 -0.1

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

Code Station Name Az Az' Phase ID Time Res ISC
PALK Palleleke 10.83 296 Pn 11 38 26.3 0.0

Code Station Name Az Az' Phase ID Time Res ISC
H08S2 Diego Garcia H 20.57 241 T 12 01 36.5

Code Station Name Az Az' Phase ID Time Res ISC
H01W3 Cape Leeuwin H 43.31 151 T 12 29 56.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MKAR Makanski Array, SONM Sogino Array, WRA Warramunga Arr, etc.

Code Station Name Az Az' Phase ID Time Res ISC
IVE Iliamna Volcan 0.93 137 P 11 38 35.2 0.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RDWB Redoubt West, ILS Iliamna Low So, RDJH Redoubt Jeurge, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IM3 Indian Mountain, SCRK Sand Creek, BCBA3 Beaver Creek A, etc.

Code Station Name Az Az' Phase ID Time Res ISC
JTH Tanohata 1.16 279 P 11 42 15.8 +0.2

Code Station Name Az Az' Phase ID Time Res ISC
JANG Nang 1.54 294 P 11 42 21.0 +0.3

Code Station Name Az Az' Phase ID Time Res ISC
JOM Ohasama 1.62 260 P 11 42 23.1 -0.1

Code Station Name Az Az' Phase ID Time Res ISC
JMK Ichinoseki 1.84 244 P 11 42 25.7 -1.4

Code Station Name Az Az' Phase ID Time Res ISC
JTM Tenmabayashi 2.02 301 P 11 42 29.4 -0.7

Code Station Name Az Az' Phase ID Time Res ISC
JTM Tenmabayashi 2.02 301 P 11 42 29.4 -0.7

Code Station Name Az Az' Phase ID Time Res ISC
JAH Hinai 2.13 282 P 11 42 30.9 -1.0

Code Station Name Az Az' Phase ID Time Res ISC
JRG Rokugo 2.13 261 P 11 42 31.0 -1.0

Code Station Name Az Az' Phase ID Time Res ISC
JOT Ohata 2.38 313 P 11 42 35.2 -1.1

Code Station Name Az Az' Phase ID Time Res ISC
JYK Kaneyama 2.47 251 P 11 42 34.8 +1.2

Code Station Name Az Az' Phase ID Time Res ISC
JCH Urukawa-nobuka 2.55 350 P 11 42 38.5 +0.1

Code Station Name Az Az' Phase ID Time Res ISC
JNK JNK 2.84 0 P 11 43 11.2 -1.7

Code Station Name Az Az' Phase ID Time Res ISC
JFT Otama 3.26 227 P 11 42 45.3 +0.9

Code Station Name Az Az' Phase ID Time Res ISC
ASAJ Asahikawa 4.38 353 Pn 11 43 02.2 +2.4

Code Station Name Az Az' Phase ID Time Res ISC
MJAR Matsushiro Arr 5.19 233 Pn 11 43 12.9 +2.1

Code Station Name Az Az' Phase ID Time Res ISC
H1N2 WAKE ISLAND Hy 28.43 128 T 12 17 29.6

Code Station Name Az Az' Phase ID Time Res ISC
H1N1 WAKE ISLAND Hy 28.44 128 T 12 17 31.3

Code Station Name Az Az' Phase ID Time Res ISC
H1N3 WAKE ISLAND Hy 28.44 128 T 12 17 29.6

Code Station Name Az Az' Phase ID Time Res ISC
DAV Davacity (W) 36.25 211 LR 12 06 40.8

Code Station Name Az Az' Phase ID Time Res ISC
ZALV Zalesovo Beam 41.26 310 P 11 49 39.3 +1.1

Code Station Name Az Az' Phase ID Time Res ISC
KURBB Kurchatov Arra 45.97 306 P 11 50 14.4 +1.3

Code Station Name Az Az' Phase ID Time Res ISC
LEM Lemban 56.21 224 LR 12 18 06.8

Code Station Name Az Az' Phase ID Time Res ISC
WRA Warramunga Arr 59.99 190 P 11 51 59.0 -1.0

Code Station Name Az Az' Phase ID Time Res ISC
ASAR Alice Springs 63.72 190 P 11 52 23.9 -1.1

Code Station Name Az Az' Phase ID Time Res ISC
PALK Palleleke 10.83 296 Pn 11 38 26.3 0.0

Code Station Name Az Az' Phase ID Time Res ISC
H08S2 Diego Garcia H 20.57 241 T 12 01 36.5

Code Station Name Az Az' Phase ID Time Res ISC
H01W3 Cape Leeuwin H 43.31 151 T 12 29 56.0

Code Station Name Az Az' Phase ID Time Res ISC
IVE Iliamna Volcan 0.93 137 P 11 38 35.2 0.7







21d 13h

Table with columns: Code, Station Name, Time, Res, and various parameters. Includes stations like IPOC Station P, Minye Minye, and Makanchi Array.

CSEM 21 13:06:04.6:0.1, 44.97N:11.22E, h15km, ML3.2/24, Error ellipse: s-maj=3.0km s-min=2.3km az=127.0

ROM 21 13:06:04.3:0.1, 44.885N:0.001:11.259E:0.003, h4km, ML3.3/32

ISCE 21 13:06:04.3:0.7, 44.94N:0.01:11.25E:0.02, h15km, 4km, n219, c1944/275, 3C-29D, Northern Italy

Main table listing seismic stations with columns: Code, Station Name, Time, Res, and various parameters. Includes stations like Stoppiaro, Fossa, Casumar, and various locations in Italy.

2012 MAY

Main table listing seismic events with columns: Code, Station Name, Time, Res, and various parameters. Includes events like Teolo, Zocca, Zovencodo, and various locations in Italy.

1330

Main table listing seismic events with columns: Code, Station Name, Time, Res, and various parameters. Includes events like BRIS, SALO, SEI, DOSS, MAMA, POPM, BDI, VILCO, CIMA, MTLO, SFI, PANI, RNI, CTI, BALD, MAIM.



Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like HYF, Humbligny, Toulx Ste Croi, etc.

IDC 21 13:06:24.4z.2.3, 39.41N:143.86E, h0km, mb3.4/3, mb1 3.4/5, mb1mx3.2/70, mbtmp3.3/5, ML2.9/2, Error ellipse: s-maj=59.1km s-min=26.6km az=79.0

ISCJB 21 13:06:26.3z.1.1, 39.49N:0.05:143.60E:0.08, h11km, mb3.3/3, Error ellipse: s-maj=10.4km s-min=5.7km az=37.2

JMA 21 13:06:29.0z.0.2, 39.41N:143.57E, h40km, M3.2

ISC 21 13:06:27.2z.1.4, 39.45N:0.07:143.54E:0.08, h11km, n14, r1519/19, mb3.2/3, Off east coast of Honshu

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like MIYJ, Tanohata, OFUN, Ohasama, etc.

ISCJB 21 13:14:45.5z.0.7, 6.38N:0.05:73.15W:0.06, h191km, 5km, mb2.9/2, Error ellipse: s-maj=10.6km s-min=5.9km az=38.5

IDC 21 13:14:46.7z.1.5, 6.60N:73.28W, h179km, 36km, mb2.9/2, mb1 3.3/4, mb1mx2.4/44, mbtmp3.4/4, MS2.5/1, M5 2.5/1, ms1mx2.0/12, Error ellipse: s-maj=99.1km s-min=8.1km az=134.0

RSNC 21 13:14:47.3z.0.9, 6.34N:73.16W, h180km, 5km, ML3.5, Mw3.8

ISC 21 13:14:45.7z.1.1, 6.36N:0.05:73.13W:0.06, h188km, 7km, n23, r085/33, 1C, Northern Colombia

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like BARC, RUSC, BARRC, PAMC, etc.

IDC 21 13:28:11.8z.0.9, 2.56N:126.89E, h0km, mb3.8/8, mb1 3.9/8, mb1mx3.6/64, mbtmp3.8/8, MS3.2/2, Ms1 3.3/2, ms1mx2.6/52, Error ellipse: s-maj=52.4km s-min=15.4km az=63.0

ISCJB 21 13:28:16.6z.0.6, 2.6N:0.1z.126.9E:0.2, h53km, mb3.8/8, MS3.1/2, Error ellipse: s-maj=35.5km s-min=10.5km az=162.7

NEIC 21 13:28:16.6z.0.7, 2.57N:126.95E, h35km, mb4.0/1, Error ellipse: s-maj=35.2km s-min=10.3km az=70.0

ISC 21 13:28:18.6z.0.9, 2.6N:0.1z.126.9E:0.3, h53km, n12, r087/12, mb3.9/8, Northern Molucca Sea

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like FITZ, PMG, WRAB, WRA, ASAR, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like CMAR, KSAR, KRSR, etc.

IGQ 21 13:29:34.4z.1.0, 1S:10x8.3Wz.4, h10km, MLv4.6/6, Off coast of Ecuador

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like MAG1, QUEV, ILLI, RIOE, etc.

MEX 21 13:33:16.0z.0.4, 16.89N:99.74W, h11km, 2km, MD3.9, Near coast of Guerrero

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like ACP2, ACIF, CAIG, TLIG, etc.

ISCJB 21 13:34:20.0z.0.6, 50.08N:0.04:18.39E:0.03, h0km, Error ellipse: s-maj=5.5km s-min=3.0km az=4.1

IPEC 21 13:34:20.9z.0.2, 50.06N:18.46E, h0km, ML1.6/3, Error ellipse: s-maj=2.0km s-min=1.1km az=160.0

CSEM 21 13:34:21.4z.0.3, 50.04N:18.39E, h1km, ML2.5/8, Error ellipse: s-maj=8.2km s-min=3.0km az=0.0

ISC 21 13:34:21.0z.0.9, 50.07N:0.04:18.42E:0.02, h0km, n23, r088/33, Poland

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like RAC, Ostrava-Krasne, MORC, etc.

NIED 21 13:37:00.38:30N:141.60E, h77km, Mw3.7 Best double couple: M3.48000:1014 NP1=162.00000:873.00000:1.68.00000: NP2=9.5.00000:856.00000:1.105.00000

ISCJB 21 13:37:54.5z.0.7, 38.30N:0.04:141.69E:0.08, h69km, 4km, mb3.3/4, Error ellipse: s-maj=10.5km s-min=5.2km az=20.5

JMA 21 13:37:55.7z.38:31N:141.69E, h63km, 1km, M3.5

IDC 21 13:37:56.2z.9.38:37N:141.69E, h70km, 26km, mb3.2/4, mb1 3.3/7, mb1mx3.1/67, mbtmp3.4/77, Error ellipse: s-maj=32.4km s-min=23.9km az=99.0

ISC 21 13:37:54.8z.1.1, 38.30N:0.05:141.77E:0.08, h62km, 8km, n27, r1905/34, mb3.5/4, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like JIO, Ouri, JMK, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like OFUJ, JOU, JMM, etc.

IDC 21 13:40:36.9z.1.4, 2.43N:126.59E, h0km, mb3.4/5, mb1 3.6/5, mb1mx3.3/59, mbtmp3.5/5, Error ellipse: s-maj=107.0km s-min=19.3km az=69.0, Northern Molucca Sea

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

NIED 21 13:47:00.39:10N:142.40E, h41km, Mw3.8 Best double couple: M5.20000:1014 NP1=178.00000:877.00000:1.83.00000: NP2=9.5.00000:873.00000:1.92.00000

JMA 21 13:47:42.9z.0.1, 39.06N:142.39E, h34km, 1km, M3.7

JMA Felt 1.1

IDC 21 13:47:44.5z.3.3, 39.09N:142.67E, h54km, 25km, mb3.8/8, mb1 3.7/12, mb1mx3.4/67, mbtmp3.9/12, ML2.9/4, MS2.6/1, Ms1 2.6/1, ms1mx2.1/60, Error ellipse: s-maj=39.2km s-min=16.7km az=80.0

ISC 21 13:47:39.2z.0.2, 39.07N:0.05:142.50E:0.07, h8km, n11km, n29, r152/32, mb4.1/8, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like OFUJ, MIYJ, JTH, etc.

MAN 21 13:49:16.0z.9.48N:122.19E, h5km, mb4.3, ML3.2, MS2.9, 2C, Negroes

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like GUIM, Dipolog City, etc.





21d 15h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VJF, Virojoki, GRAU, Graesoe, NYNU, Nynaeshamm, FIAO, FINESS Array S, etc.

CSEM 21 15:15:19.31.3, 36.71N; 27.64E, h1km, ML2.5, Error ellipse: s-maj=26.0km s-min=7.5km az=19.0, Suspected Mining explosion.
ISK 21 15:15:22.51.1, 37.00N; 0.03:27.71E, h0km, n18, c0579/30, Turkey

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

IDC 21 15:19:31.8.2.2, 2.64N; 127.08E, h0km, mb3.3/4, mb1 3.5/4, mb1mx3.5/min, mbtmp3.3/4, Error ellipse: s-maj=121.2km s-min=27.1km az=69.0, Northern Molucca Sea

2012 MAY

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, MKAR, Makanchi Array, etc.

MAN 21 15:19:48.1, 17.78N; 121.08E, h6km, mb4.0, ML2.7, MS2.3, 1D, Luzon
APYP Conner 0.18 63 eP Op ISC h m s ISC 15 19 52.8 +1.0

ISCJB 21 15:32:0.2.0.3, 45.72N; 143.36E, h0km, mb3.6/6, mb1 3.8/7, mb1mx3.4/6, mbtmp3.7/7, ML3.6/1, Error ellipse: s-maj=57.5km s-min=19.3km az=94.0

ISC 21 15:32:0.3.0.7, 45.71N; 142.93E, h321km, mb4.0/7, n38, c1398/51, mb3.3/8, 1C, Hokkaido region

ASAJ Ashikawa 1.64 200 Pn 15 32 50.9 +1.3
ASAJ 13nm, 0.3s, baz=15, slow=6.5, SNR=220

ASAJ 13nm, 0.3s, baz=15, slow=6.5, SNR=220
ASAJ 13nm, 0.3s, baz=15, slow=6.5, SNR=220

ASAJ 13nm, 0.3s, baz=15, slow=6.5, SNR=220
ASAJ 13nm, 0.3s, baz=15, slow=6.5, SNR=220

ASAJ 13nm, 0.3s, baz=15, slow=6.5, SNR=220
ASAJ 13nm, 0.3s, baz=15, slow=6.5, SNR=220

ASAJ 13nm, 0.3s, baz=15, slow=6.5, SNR=220
ASAJ 13nm, 0.3s, baz=15, slow=6.5, SNR=220

ASAJ 13nm, 0.3s, baz=15, slow=6.5, SNR=220
ASAJ 13nm, 0.3s, baz=15, slow=6.5, SNR=220

ASAJ 13nm, 0.3s, baz=15, slow=6.5, SNR=220
ASAJ 13nm, 0.3s, baz=15, slow=6.5, SNR=220

ASAJ 13nm, 0.3s, baz=15, slow=6.5, SNR=220
ASAJ 13nm, 0.3s, baz=15, slow=6.5, SNR=220

ASAJ 13nm, 0.3s, baz=15, slow=6.5, SNR=220
ASAJ 13nm, 0.3s, baz=15, slow=6.5, SNR=220

NEIC 21 15:53:08.1.0.0, 16.27N; 96.05W, h64km, MD4.3(MEX), After MEX.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HUIG, Huatulco, PANG, Puerto Angel, VHO, Vista Hermosa, etc.

IDC 21 15:53:48.3.1.1, 23.39N; 143.05E, h0km, mb3.6/6, mb1 3.8/7, mb1mx3.4/6, mbtmp3.7/7, ML3.6/1, Error ellipse: s-maj=57.5km s-min=19.3km az=94.0

ISC 21 15:53:54.1.1, 23.48N; 142.93E, h0km, n7, c1398/51, mb3.6/6, Volcano Islands region

JCJ Chichijima 3.65 351 Pn 15 54 48.4 +0.3
WRA Warramunga Arr 43.95 192 Pn 15 02 03.0 +0.2

ASAJ Alice Springs 47.67 191 Pn 15 02 25.6 -1.3
KURBB Kurchatov Arr 56.03 316 Pn 15 03 30.5 +1.7

INFS FINESS Array B 81.45 334 Pn 15 06 07.0 -0.9
MOS 21 15:57:00.7.1.2, 47.54N; 153.66E, h88km, mb4.0/14, Error ellipse: s-maj=12.0km s-min=7.2km az=72.2

SKHL 21 15:57:01.8.0.0, 47.51N; 153.76E, h98km, mb5.3/2, msh5.5/1
ISCJB 21 15:57:01.9.0.5, 47.54N; 153.70E, h100km, mb4.1/35, Error ellipse: s-maj=10.3km s-min=4.7km az=140.5

IDC 21 15:57:01.1.3.0, 47.51N; 153.52E, h75km, mb3.6/20, mb1 3.9/23, mb1mx3.7/70, mbtmp4.0/23, MS2.5/2, Ms1 2.5/2, ms1mx2.2/71, Error ellipse: s-maj=17.5km s-min=15.3km az=138.0

NEIC 21 15:57:10.7.1.5, 48.79N; 152.50E, h83km, mb4.7/4, Error ellipse: s-maj=46.2km s-min=9.3km az=146.0
ISC 21 15:57:03.4.0.7, 47.54N; 153.07E, h100km, n95, c173/93, mb4.1/35, 9C-5D, Kuril Islands

SKR Severo-Kuril'sk 3.51 26 eP Op ISC h m s ISC 15 57 54.2 -1.8
SKR 80nm, 0.4s A AMB 15 57 55.3

SKR Severo-Kuril'sk 3.51 26 ePn Pn 15 57 54.2 -1.8
SKR 140nm, 0.2s A A 15 58 33.5 -3.1

SKR Severo-Kuril'sk 3.51 26 ePn Pn 15 57 54.2 -1.8
SKR 140nm, 0.2s A A 15 58 33.5 -3.1

SKR Severo-Kuril'sk 3.51 26 ePn Pn 15 57 54.2 -1.8
SKR 140nm, 0.2s A A 15 58 33.5 -3.1

SKR Severo-Kuril'sk 3.51 26 ePn Pn 15 57 54.2 -1.8
SKR 140nm, 0.2s A A 15 58 33.5 -3.1



Table with columns: MORC, CLL, Coilm, etc. containing station names, coordinates, and seismic data.

Table with columns: BVAR, Kurbatov Arra, MKAR, YKA, etc. containing station names, coordinates, and seismic data.

Table with columns: NOVE, OPPE, MTRZ, etc. containing station names, coordinates, and seismic data.









21d 16h

2021 MAY

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Table with multiple columns containing station call signs (e.g., KBA, KBA, KBA), frequencies, powers, and other technical details. The table is organized into columns and rows, with some rows containing multiple entries for the same station or similar stations.

Table with columns for station name, frequency, and other identifiers. Includes stations like ULCL Humbigny, HYL Humbigny, etc.

Table with columns for station name, frequency, and other identifiers. Includes stations like ARR Arges, LVO Lvov, BUR04 Bucovina Ar. S, etc.

Table with columns for station name, frequency, and other identifiers. Includes stations like KSH KSH, KSH KSH, KSH KSH, etc.

Table with columns for Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BATI Baumata, WRA Warramunga Ar., etc.













Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LOMF, CHMF, MOF, BOST, etc.

IDC 21 18:06:21.8:1.9, 43.71N:105.40W, h0km, mb3.8/2, mb1 3.6/5, mb1mx3.4/63, mbtmp3.5/5, ML3.2/3, MS2.3/1, Ms1 2.2/1, ms1mx1.8/70, Error ellipse: s-maj=49.8km s-min=8.0km az=150.0

ISCJB 21 18:06:22.0:0.5, 43.85N:105.19W:0.06, h0km, mb3.9/2, Error ellipse: s-maj=6.9km s-min=4.1km az=12.0

NEIC 21 18:06:23.3:0.4, 43.87N:105.22W, h0km, ML3.3, Error ellipse: s-maj=6.6km s-min=5.1km az=167.0, Suspected Mining explosion.

NEIC 52 km [32 miles] SSE of Gillette. ISC 21 18:06:23.1:0.7, 43.82N:105.23W:0.04, h0km, n25, +161/31, Wyoming

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RSSD, K22A, LAO, N23A, RLMT, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BOZ, HWUT, EGMT, ULM, etc.

GUC 21 18:16:31.4:0.6, 23.86S:67.35W, h252km, 17km, ML3.5, 4C-2D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PB15, PB06, GO02, PB09, etc.

MEX 21 18:16:32.0:0.6, 15.92N:96.07W, h49km, 6km, MD3.7, Near coast of Oaxaca

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

LDG 21 18:30:01.9:0.2, 44.80N:11.54E, h2km, M13.1/22, Error ellipse: s-maj=4.6km s-min=2.7km az=148.0

ROM 21 18:30:02.7:0.1, 44.852N:0.001:11.396E:0.001, h4km, ML3.1/46

CSEM 21 18:30:03.0:3.0, 1.44:88N:11.37E, h10km, ML3.1/16, Error ellipse: s-maj=3.8km s-min=2.6km az=128.0

STR 21 18:30:03.7:1.6, 45.15N:5.12E:1.5, h5km, M3.6/10, mb3.6/2, ML3.7/10

ISCJB 21 18:30:03.9:0.2, 44.82N:0.02:11.32E:0.02, h22km, 2km, Error ellipse: s-maj=3.5km s-min=2.5km az=141.2

PRU 21 18:30:04.5, 44.96N:11.06E, h20km, ISC 21 18:30:02.6:0.8, 44.86N:0.02:11.40E:0.02, h18km, 2km, n227, +1939/256, 5C-5D, Northern Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like T0822, T0822, T0817, etc.

SERM Sermeide 0.17 335 eP Pg 18 30 07.1 0.0

T0812 Loc. Stoppiaro 0.18 302 eP Pg 18 30 07.3 0.0

T0812 Loc. Stoppiaro 0.18 302 eP Pg 18 30 07.3 0.0

T0816 San Bartolomeo 0.20 134 eP Pg 18 30 06.9 -0.7

RAVA Ravarino 0.22 243 iP Pg 18 30 07.0 -0.9

RAVA Ravarino 0.22 243 iP Pg 18 30 08.0 0.0

RAVA Ravarino 0.22 243 iP Pg 18 30 08.0 0.0

RAVA Ravarino 0.22 243 iP Pg 18 30 08.0 0.0

RAVA Ravarino 0.22 243 iP Pg 18 30 08.0 0.0

RAVA Ravarino 0.22 243 iP Pg 18 30 08.0 0.0

RAVA Ravarino 0.22 243 iP Pg 18 30 08.0 0.0

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

ADRI Adria, Italy 0.48 68 eP Pg 18 30 13.1 +0.7

ADRI Adria, Italy 0.48 68 eP Pg 18 30 13.1 +0.7

NOVE Novellara 0.49 263 eP Pg 18 30 13.0 +0.4

NOVE Novellara 0.49 263 eP Pg 18 30 13.0 +0.4

TEOL Teolo 0.54 21 eP Pg 18 30 14.3 +0.8

TEOL Teolo 0.54 21 eP Pg 18 30 14.3 +0.8

TEOL Teolo 0.54 21 eP Pg 18 30 14.3 +0.8

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TEOL Teolo 0.54 21 eP Pg 18 30 14.3 +0.8

TEOL Teolo 0.54 21 eP Pg 18 30 14.3 +0.8

TEOL Teolo 0.54 21 eP Pg 18 30 14.3 +0.8

TEOL Teolo 0.54 21 eP Pg 18 30 14.3 +0.8

21d 18h

CGRP	comp=E,1365µm,0.4s	AML	AML				
CGRP	comp=N,1150µm,0.4s	AML	AML				
CGRP	comp=E,1370µm,0.4s	AML	AML				
CGRP	comp=N,1150µm,0.4s	AML	AML				
MAGA	1.06 330 eP	Pg	Pg	18 30 21.6 -1.7			
MAGA	1.06 330 eS	Pg	Pg	18 30 21.6 -1.7			
MAGA	1.06 330 eS	Pg	Pg	18 30 38.9 +1.8			
MTLO	1.07 271 eP	Pn	Pn	18 30 24.4 +1.6			
MTLO	1.07 27 eP	Pn	Pn	18 30 40.4 +3.1			
MTLO	1.07 27 eS	Pn	Pn	18 30 24.4 +1.6			
ASQU	1.10 165 eS	AML	AML	18 30 40.3 +3.1			
ASQU	comp=N,531µm,0.3s	AML	AML				
ASQU	comp=E,530µm,0.4s	AML	AML				
ASQU	comp=N,531µm,0.3s	AML	AML				
ASQU	comp=E,530µm,0.4s	AML	AML				
CRMI	1.11 196 eS	AML	AML				
CRMI	comp=N,481µm,1.1s	AML	AML				
CRMI	comp=E,481µm,1.1s	AML	AML				
CRMI	comp=N,394µm,1.0s	AML	AML				
CRMI	comp=N,394µm,1.0s	AML	AML				
MAIM	1.15 215 eS	AML	AML				
MAIM	comp=N,566µm,1.2s	AML	AML				
MAIM	comp=E,425µm,0.9s	AML	AML				
MAIM	comp=E,425µm,0.9s	AML	AML				
MAIM	comp=N,566µm,1.2s	AML	AML				
PANI	1.19 358 eP	Pg	Pg	18 30 25.0 -0.8			
PANI	1.19 358 eP	Pg	Pg	18 30 25.0 -0.8			
CTI	1.20 8 eS	AML	AML				
CTI	comp=N,323µm,0.2s	AML	AML				
CTI	comp=E,2140µm,0.9s	AML	AML				
CTI	comp=N,323µm,0.2s	AML	AML				
CTI	comp=E,2135µm,0.9s	AML	AML				
CTL8	1.23 290 eS	AML	AML				
CTL8	comp=N,207µm,0.3s	AML	AML				
CTL8	comp=E,645µm,0.4s	AML	AML				
CTL8	comp=N,448µm,0.4s	AML	AML				
CTL8	comp=N,448µm,0.4s	AML	AML				
CTL8	comp=N,207µm,0.3s	AML	AML				
CTL8	comp=N,207µm,0.3s	AML	AML				
CTL8	comp=N,448µm,0.4s	AML	AML				
VARN	1.24 24 eP	Pn	Pn	18 30 26.3 +1.2			
VARN	1.24 24 eS	Pn	Pn	18 30 44.5 +3.1			
VARN	1.24 24 eP	Pn	Pn	18 30 26.3 +1.2			
VARN	1.24 24 eS	Pn	Pn	18 30 44.5 +3.1			
RNI	1.25 334 eP	Pg	Pg	18 30 25.9 -0.9			
RNI	1.25 334 eP	Pg	Pg	18 30 25.9 -0.9			
MABI	1.35 333 eS	AML	AML				
MABI	comp=N,214µm,0.9s	AML	AML				
CAE	1.36 32 eP	Pg	Pg	18 30 28.6 -0.4			
CAE	1.36 32 eP	Pg	Pg	18 30 28.6 -0.4			
PLMA	1.37 234 eS	AML	AML				
PLMA	comp=N,606µm,0.9s	AML	AML				
PLMA	comp=N,606µm,0.9s	AML	AML				
PLMA	comp=N,606µm,0.9s	AML	AML				
PLMA	comp=N,606µm,0.9s	AML	AML				
CSNT	1.39 183 eS	AML	AML				
CSNT	comp=N,184µm,0.5s	AML	AML				
CSNT	comp=N,184µm,0.5s	AML	AML				
CSNT	comp=N,244µm,1.0s	AML	AML				
CSNT	comp=N,244µm,1.0s	AML	AML				
POLC	1.40 33 eP	Pg	Pg	18 30 29.3 -0.4			
POLC	1.40 33 eP	Pg	Pg	18 30 29.3 -0.4			
POLC	1.40 33 eS	AML	AML				
POLC	comp=N,1395µm,1.3s	AML	AML				
POLC	comp=N,1395µm,1.3s	AML	AML				
POLC	comp=N,1395µm,1.3s	AML	AML				
POLC	comp=N,1395µm,1.3s	AML	AML				
FAU	1.43 16 eP	Pg	Pg	18 30 29.5 -0.8			
FAU	1.43 16 eP	Pg	Pg	18 30 29.5 -0.8			
MSSA	1.45 249 eS	AML	AML				
MSSA	comp=N,306µm,0.5s	AML	AML				
BADI	1.48 155 eS	AML	AML				
BADI	comp=N,350µm,0.9s	AML	AML				
BADI	comp=N,349µm,0.9s	AML	AML				
BADI	comp=N,326µm,0.9s	AML	AML				
BADI	comp=N,326µm,0.9s	AML	AML				
AGOR	1.50 18 eS	AML	AML				
AGOR	comp=N,408µm,0.3s	AML	AML				
AGOR	comp=N,408µm,0.3s	AML	AML				
FSSB	1.53 139 eS	AML	AML				
FSSB	comp=N,560µm,1.4s	AML	AML				
FSSB	comp=N,560µm,1.4s	AML	AML				
FSSB	comp=N,560µm,1.4s	AML	AML				
FSSB	comp=N,560µm,1.4s	AML	AML				
MLNI	1.55 33 eP	Pn	Pn	18 30 30.6 +1.3			
MLNI	1.55 33 eP	Pn	Pn	18 30 30.6 +1.3			
PIEI	1.56 148 eS	AML	AML				
PIEI	comp=N,196µm,0.7s	AML	AML				
PIEI	comp=N,196µm,0.7s	AML	AML				
PIEI	comp=N,196µm,0.7s	AML	AML				
CSO	1.56 24 eP	Pb	Pb	18 30 31.4 +0.4			
CSO	1.56 24 eP	Pb	Pb	18 30 31.4 +0.4			
OZOL	1.56 351 eP	Pb	Pb	18 30 31.1 0.0			
OZOL	1.56 351 eP	Pb	Pb	18 30 31.1 0.0			
MPAG	1.57 141 eS	AML	AML				
MPAG	comp=N,196µm,0.6s	AML	AML				
KOSI	1.60 360 eS	AML	AML				
KOSI	comp=N,741µm,0.9s	AML	AML				
KOSI	comp=N,741µm,0.9s	AML	AML				
KOSI	comp=N,741µm,0.9s	AML	AML				
KOSI	comp=N,741µm,0.9s	AML	AML				
ATBU	1.61 149 eS	AML	AML				
ATBU	comp=N,700µm,0.8s	AML	AML				
APPI	1.62 356 eS	AML	AML				
APPI	comp=N,950µm,0.6s	AML	AML				
APPI	comp=N,950µm,0.6s	AML	AML				
APPI	comp=N,950µm,0.6s	AML	AML				
APPI	comp=N,950µm,0.6s	AML	AML				

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CIMO	1.63 26 eP	Pg	Pg	18 30 33.0 -1.0			
CIMO	1.63 26 eP	Pg	Pg	18 30 33.0 -1.0			
ATVO	1.65 153 eS	AML	AML				
ATVO	comp=N,288µm,0.7s	AML	AML				
STAL	1.68 33 eS	AML	AML				
STAL	comp=N,1145µm,0.3s	AML	AML				
STAL	comp=N,1054µm,0.3s	AML	AML				
STAL	comp=N,1036µm,0.2s	AML	AML				
STAL	comp=N,876µm,0.2s	AML	AML				
STAL	comp=N,1054µm,0.3s	AML	AML				
STAL	comp=N,1034µm,0.2s	AML	AML				
STAL	comp=N,1145µm,0.3s	AML	AML				
BRMO	1.77 336 eS	AML	AML				
BRMO	comp=N,190µm,1.1s	AML	AML				
MOSI	1.85 342 eS	AML	AML				
MOSI	comp=N,184µm,0.6s	AML	AML				
MOSI	comp=N,960µm,1.0s	AML	AML				
ABSI	1.87 358 eS	AML	AML				
ABSI	comp=N,805µm,0.9s	AML	AML				
ABSI	comp=N,886µm,0.5s	AML	AML				
VINO	1.93 43 eS	AML	AML				
VINO	comp=N,248µm,0.5s	AML	AML				
ABTA	2.04 22 eS	Pn	Pg	18 30 40.7 -1.2			
ABTA	comp=N,208µm,0.5s	Pn	Pg	18 30 40.7 -1.2			
ABTA	2.04 22 eS	Pn	Pg	18 30 40.7 -1.2			
PCP	2.06 262 eS	AML	AML				
PCP	comp=N,160µm,0.8s	AML	AML				
ROSI	2.07 0 eS	AML	AML				
ROSI	comp=N,97µm,1.4s	AML	AML				
ROSI	comp=N,628µm,1.1s	AML	AML				
VARE	2.11 300 eS	AML	AML				
VARE	comp=N,632µm,0.4s	AML	AML				
VARE	comp=N,210µm,0.5s	AML	AML				
RISI	2.14 13 eS	AML	AML				
RISI	comp=N,83µm,0.3s	AML	AML				
RISI	comp=N,952µm,0.5s	AML	AML				
TUE	2.16 319 eS	AML	AML				
TUE	comp=N,677µm,0.7s	AML	AML				
TUE	comp=N,144µm,1.4s	AML	AML				
FETA	2.21 348 ePn	Pb	Pb	18 30 41.8 -0.3			
FETA	comp=N,2.6nm,0.6s,SNR=11	Pb	Pb	18 30 41.8 -0.3			
FETA	2.21 348 ePn	Pb	Pb	18 30 41.8 -0.3			
QLNO	2.24 157 eS	AML	AML				
QLNO	comp=N,2.6nm,0.6s,SNR=14	AML	AML				
QLNO	2.24 157 eS	AML	AML				
QLNO	comp=N,85µm,1.1s	AML	AML				
ACOM	2.25 41 eS	AML	AML				
ACOM	comp=N,352µm,0.4s	AML	AML				
MYKA	2.37 41 eS	Pn	Pb	18 30 44.3 -0.5			
MYKA	comp=N,341µm,0.8s	Pn	Pb	18 30 44.3 -0.5			
MYKA	2.37 41 eS	Pn	Pb	18 30 44.3 -0.5			
MYKA	comp=N,4.4nm,0.2s,SNR=7.4	Pn	Pb	18 30 44.3 -0.5			
WTTA	2.41 4 ePn	Pb	Pb	18 30 45.9 +0.4			
WTTA	comp=N,4.4nm,0.2s,SNR=7.4	Pb	Pb	18 30 45.9 +0.4			
WTTA	2.41 4 ePn	Pb	Pb	18 30 45.9 +0.4			
WTTA	comp=N,1.4nm,0.1s,SNR=11	Pb	Pb	18 30 45.9 +0.4			
WATA	2.48 3 ePn	Pb	Pb	18 30 46.4 -0.3			
WATA	comp=N,4.4nm,0.1s,SNR=11	Pb	Pb	18 30 46.4 -0.3			
WATA	2.48 3 ePn	Pb	Pb	18 30 46.4 -0.3			
WATA	comp=N,1.8nm,0.1s	Pb	Pb	18 30 46.4 -0.3			
MOTA	2.50 355 ePn	Pb	Pb	18 30 46.0 -1.0			
MOTA	comp=N,1.8nm,0.1s	Pb	Pb	18 30 46.0 -1.0			
MOTA	2.50 355 ePn	Pb	Pb	18 30 46.0 -1.0			
MOTA	comp=N,2.7nm,0.3s,SNR=11	Pb	Pb	18 30 46.0 -1.0			

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAO Raoul Island, AFI Afiamalu, NVAR Milna Array, etc.

ICD 21 18:35:31.8, 1.2, 44.71N, 11.39E, h0km, mb3.5/4, mb1 3.6/9, mb1mx3.4/60, mbtmp3.4/9, ML3.5/5, MS2.4/6, Ms1 2.4/6, ms1mx2.2/54, Error ellipse: s-maj=31.8km s-min=13.0km az=122.0

ISCJTB 21 18:35:34.0, 0.2, 44.82N, 11.27E, h22km, 1km, mb3.6/4, MS3.0/1, Error ellipse: s-maj=2.9km s-min=2.3km az=167.8

STR 21 18:35:33.1, 1.6, 45.1N, 5.1E, h5km, M4.2/6, MLV4.2/6

PRU 21 18:35:33.4, 4.4, 77.7N, 11.60E, h0km

LDG 21 18:35:34.3, 0.1, 44.88N, 11.27E, h2km, MI3.5/9, Error ellipse: s-maj=3.4km s-min=2.7km az=64.0

CSEM 21 18:35:34.3, 0.1, 44.89N, 11.28E, h10km, ML3.8/7, Error ellipse: s-maj=3.1km s-min=2.6km az=137.0

ROM 21 18:35:34.1, 0.0, 44.86N, 11.00E, h11.234E, 0.001, h8km, ML3.5/6

ISC 21 18:35:34.5, 0.7, 44.88N, 11.29E, h16km, 3km, n257, s152/274, mb3.7/4, 6C-18D, Northern Italy

Main table of station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists numerous stations like Casumar, Massa Finalese, Palata Pepoli, etc.

Main table of station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists numerous stations like NDIM, SBPO, MODE, NOVE, OPPE, MTRZ, ADRI, ZCCA, IMOL, TREG, PRMA, BRIS, IMOL, TREG, PANI, CTI, CTI, RNI, VARN, MABI, MARN, etc.

Main table of station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists numerous stations like MARN, ERBM, ROVR, SANR, BALD, BAI, SALO, POPM, BDI, VCL, DOSS, MAGA, SFI, CGRP, MTLO, CRMI, MAIM, ASQU, CTL8, PANI, CTI, CTI, RNI, VARN, MABI, MARN, etc.

21d 19h

Table of astronomical observations for 21d 19h, listing station names, coordinates, and observation details.

2012 MAY

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

1350

Table of astronomical observations for 1350, listing station names, coordinates, and observation details.

Table with columns: Station Name, Azimuth, Altitude, Phase, ID, Time, Res. Includes stations like TURN, ZKR, ZKZ, etc.

JMA 21 19:18.23.1.0.3,39.65N,144.06E,h6km, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Altitude, Phase, ID, Time, Res. Includes stations like JTH, MIYJ, OFUJ, etc.

NIED 21 19:18.00,39.40N,143.50E,h14km,Mw4.1 Best double couple: Ms1.51000,1019 NP1.6175,00000,325.00000,1.59,00000, NP2.328,00000,369,00000,1,104,00000, ISCJB 21 19:18.43.0.0.4,39.45N,143.64E,0.05,h11km, mb4.0/38,MS3.6/8, Error ellipse: s-maj=7.1km s-min=3.6km az=140.0

NEIC 21 19:18.45.3.2,39.41N,143.54E,h11km,mb4.5/3, Error ellipse: s-maj=10.5km s-min=6.3km az=127.0 MOS 21 19:18.46.4.1,1.1,39.44N,143.56E,h33km,mb4.3/26, Error ellipse: s-maj=9.6km s-min=5.7km az=84.3 JMA 21 19:18.46.2.0,39.37N,143.52E,h18km,M4.3 ISC 21 19:18.45.6.0.6,39.49N,143.63E,0.06,h11km,n101, r1797/105,mb4.1/38,MS3.6/8,9C-1D, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Altitude, Phase, ID, Time, Res. Includes stations like MIYJ, OFUJ, JOM, etc.

Main table with columns: Station Name, Azimuth, Altitude, Phase, ID, Time, Res. Includes stations like JHU, YSS, MSHR, etc.

Table with columns: Station Name, Azimuth, Altitude, Phase, ID, Time, Res. Includes stations like WRA, RES, YKA, etc.

NNC 21 19:41.20.6.0.5,44.80N,80.50E,h0km,mb2.8,mpv2.5, Error ellipse: s-maj=14.4km s-min=3.1km az=117.0

SOME 21 19:41.21.5,44.83N,80.58E,h20km ISC 21 19:41.19.7.1.7,44.79N,80.04,80.64E,0.05,h1km,14km, n22,r1939/32,6C-3D, Kazakhstan-Xinjiang border

Table with columns: Code, Station Name, Azimuth, Altitude, Phase, ID, Time, Res. Includes stations like DJR, KAPS, KTMS, etc.

ICD 21 19:57.34.5.3,6.82S:134.00E,h0km,mb3.1/1, mb1.3/4,3,mb1mx3.2/41,mbtmp3.2/3,ML3.0/2, Error ellipse: s-maj=158.8km s-min=28.9km az=79.0, Aru Islands region

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







21d 21h

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

ISCJB 21 20:54:50.9, 0.3, 59:20N, 0:02:22:63E, 0:04, h0km, mb3.5/3, Error ellipse: s-maj=2.9km s-min=2.7km az=166.5
CSEM 21 20:54:52.5, 0.2, 59:21N, 22:79E, h2km, ML2.6, Error ellipse: s-maj=5.2km s-min=4.1km az=171.0, Mining explosion.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MATS, METS, SLIT, AAL, etc.

2012 MAY

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FIAO, FINES, FINES, etc.

IDC 21 20:55:27.8, 2.3, 41.03N, 112.76W, h0km, Error ellipse: s-maj=48.3km s-min=6.1km az=159.0, Utah

1354

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I67US, I10CA, SFS, etc.



21d 21h

Error ellipse: s-maj=4.9km s-min=4.2km az=162.0
ISC 21-21:38:35.6,0.2,37.91N,0.03,76.99E,0.03,h10km,n428,
c184/425,mb4.7,123,MS4.2/65,35C-32D,Southern

Table with columns: Code, Station Name, Delta, AZ, Phase ID, ISC, Time, Res, ISC. Lists various stations like SFK, NRN, KDJ, etc.

2012 MAY

Table with columns: Station Name, Time, Res, ISC. Lists stations like PYUN, DANN, KOLDANA, etc.

1356

Table with columns: Station Name, Time, Res, ISC. Lists stations like BANOM, SHME, WSAR, etc.









21d 23h

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Includes stations like MTE Mantegas, CEU Ceuta, ECAB El Cabril, etc.

2012 MAY

Table with columns: EBER, GUD, SESP, UCM, EPON, ETOR, EMOS, IELO, EALK, SJPF, ETSF, EPF, LFF, QUIF, ROF, ROSF, SGMF, TCF, SSF, etc. Includes station names like Kurraavaara, La Frestale, etc.

1360

Table with columns: RNF, eSG, Sb, Time, Res. Includes event descriptions like CSEM 21 23:24:37.0, UPP 21 23:24:45.6, etc.



22d Oh

Table with columns: UCH, AAK, AML, USP, EKSS, VNDA, KURBB, KURK, MAW, WSAR, BVAR, GEYT, QSPA, SYO, AKTO, ARU, ATD, ILAR, ILAR, SNA, EIL, YKA, PDAR, CPUP, LPAZ, LPAZ, LPAZ. Includes station names, coordinates, and seismic data.

CSEM 21 23:59:33.8, 41.72N, 14.88E, h10km, ML1.8/1.0 ROM 21 23:59:33.8, 0.1, 41.724N, 0.005, 14.883E, 0.010, h10km, ML1.8/4.1, 1C-1D, Southern Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Sant'Elia a Pi, Melanico, Gambatesa, etc.

ATA 22:00:00:20.5, 1.4, 42.65N, 21.21E, h32km, 135km, mb5.8 BGS 22:00:00:24.7, 42.15N, 23.61E, h10km, mb5.8, MS5.4 PRU 22:00:00:26.8, 42.25N, 22.66E, h0km, mb5.7, MS7. BUI 22:00:00:30.5, 42.70N, 23.00E, h10km, mb5.5/83, mb5.9/75, MS5.9/88, MS7.5/77 MOS 22:00:00:30.9, 0.9, 42.68N, 22.92E, h12km, mb5.8/130, MS5.4/132, Error ellipse: s-maj=3.2km s-min=2.2km az=105.2 Broadband fault plane solution: P waves. Ms9.50000x10^17 NP1:329.00000, 858.00000, 1.86.00000, NP2:329.00000, 832.00000, 1.98.00000. Principal axes: T 146.00000; P Azm56.00000; N Plg4.00000; Azm143.00000; P Plg77.00000; Azm251.00000; IDC 22:00:00:31.0, 0.3, 42.66N, 23.01E, h0km, mb5.4/43, mb1.5/459, mb1mx5.3/68, mbtmp5.3/59, ML4.4/14,

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MS5.1/49, Ms1.5/149, ms1mx5.0/60 Error ellipse: s-maj=7.5km s-min=6.0km az=28.0 LDG 22:00:00:31.8, 0.1, 42.69N, 23.02E, h10km, MD5.2/3, MS5.1/3, ms4.9, Error ellipse: s-maj=3.5km s-min=2.6km az=37.0 ISCJB 22:00:00:31.1, 0.2, 42.678N, 0.007, 22.983E, 0.009, h12km, 1km, mb5.6/567, MS5.3/511, Error ellipse: s-maj=1.3km s-min=1.0km az=33.8 NEIC 22:00:00:32.8, 0.1, 42.65N, 22.97E, h10km, mb5.7/298, MS5.3/299, MW5.6, MW5.6, ML5.5(BEO), ML5.8(SKO), ML5.8(SOP), ML6.0(THF), Error ellipse: s-maj=1.8km s-min=1.4km az=208.0 Moment Tensor Solution. s23 Moment tensor: Scale 10^17Nm; Mr=2.64; Mw=1.70; Mo=0.94; M1=1.54; M2=1.85; M3=0.28; Best double couple: Ms3.40000x10^17 NP1:314.00000, 860.00000, 1.108.00000; NP2:326.00000, 835.00000, 1.63.00000. Principal axes: T 3.52000, Plg13.00000; Azm217.00000; N -0.36000, Plg15.00000; Azm123.00000; P -3.16000, Plg70.00000; Azm346.00000; Moment Tensor Solution. s88 Moment tensor: Scale 10^17 Nm; Mr=1.64; Mw=0.67; Mo=0.97; Mw=0.92; Ms=0.88; Ms=0.32; Best double couple: Ms1.90000x10^17 NP1:323.00000, 833.00000, 1.65.00000; NP2: 323.00000, 833.00000, 1.05.00000. Principal axes: T 1.91000, Plg14.00000; Azm226.00000; N 0.05000, Plg13.00000; Azm133.00000; P -1.96000, Plg71.00000; Azm1.00000; Broadband fault plane solution: P waves. NP1:260.00000, 830.00000, 1.90.00000; NP2: 80.00000, 860.00000, 1.90.00000. Principal axes: T Plg15.00000; Azm170.00000; N Plg0.00000; Azm0.00000; P Plg75.00000; Azm350.00000; Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. NEIC At least 90 buildings damaged [VI] at Pernik and some buildings damaged [V] at Sofia. Landslides and ground cracks were observed in the epicentral area. Felt [IV] at Dupnitsa, Plevna, Plovdiv, Ruse, Samokov and Vratsa. Felt throughout central and western Bulgaria. Felt [IV] at Pirost and [IV] at Nis, Serbia and [IV] at Alexandroupoli, Drama, Komotini, Plania, Serres and Xanthi, Greece. Felt in northeastern Greece, Kosovo, central and northeastern Macedonia, southern Romania, central and southern Serbia and northwestern Turkey. GCMT 22:00:00:32.8, 0.1, 42.51N, 23.05E, h13km, MW5.6/140, Moment Tensor Solution. s121, c215; s140, c364; Duration: 16s Moment tensor: Scale 10^17Nm; Mw=2.15, 0.03; Ms=0.74, 0.03; Mr=1.33, 0.08; Ms=1.49, 0.02; Mw=0.02, 0.07; Best double couple: Ms3.24800x10^17 NP1:110.00000, 857.00000, 1.105.00000; NP2:316.00000, 836.00000, 1.69.00000. Principal axes: T 3.27800, Plg11.00000; Azm210.00000; N -0.05900, Plg12.00000; Azm118.00000; P -3.21800, Plg74.00000; Azm340.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. GII 22:00:00:32.6, 0.2, 42.66N, 23.01E, h10km CSEM 22:00:00:32.7, 0.0, 42.66N, 22.99E, h10km, mb5.7/99, ML5.2/8, MW5.6, Error ellipse: s-maj=1.2km s-min=1.1km az=39.0 BEO 22:00:00:32.8, 0.2, 42.64N, 23.04E, h10km, 1km PDG 22:00:00:32.1, 0.6, 42.64N, 22.99E, h15km, 1km, MD5.6/10, ML5.5/9, Error ellipse: s-maj=0.4km s-min=0.5km az=0.0 THE 22:00:00:33.2, 42.60N, 23.06E, h7km, 2km, ML6.0/13, Error ellipse: s-maj=3.1km s-min=0.6km az=21.0 NEIC 22:00:00:33.0, 0.0, 42.68N, 23.02E, h12km, Moment Tensor Solution. s41 Moment tensor: Scale 10^17Nm; Mr=2.29; Mw=1.90; Mo=0.59; M1=0.16; M2=1.28; M3=0.55; Best double couple: Ms2.70000x10^17 NP1:310.00000, 850.00000, 1.78.00000; NP2:292.00000, 841.00000, 1.104.00000. Principal axes: T 2.71000, Plg4.00000; Azm212.00000; N -0.13000, Plg9.00000; Azm302.00000; P -2.58000, Plg79.00000; Azm95.00000; SFS 22:00:00:35.0, 42.75N, 23.05E, h0km, ML5.4 ATH 22:00:00:36.6, 42.33N, 23.03E, h30km, 3km, ML5.8/13, Error ellipse: s-maj=4.3km s-min=1.1km az=351.0 DDA 22:00:01:06.0, 42.67N, 23.02E, h16km, MS5.7 ISC 22:00:00:32.5, 0.3, 42.62N, 0.01, 23.01E, 0.01, h11km, 1km, h10km, p-P, n2661, c165/2994, mb5.7/578, MS5.4/529, 75C-213D, Bulgaria

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Kendrikon, Thessaloniki, Horatiis, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Vitosha, Zavojo, Krupnik, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like VANDOVO, VALANDOVO, PLOVDIV, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Kendrikon, Thessaloniki, Horatiis, etc.

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22d Oh

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Table with multiple columns containing station identifiers (e.g., KHON, F44A, E43A), names (e.g., Khomkaen, Big Bay de Noc, Lone Tree Farm), coordinates, and various performance metrics (e.g., SNR, error rates, signal strength).



Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like Barry Barry, Kite, Harm Buss Farm, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like Hilliard, Piedmont, U45A, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like X47A, Van Buren, J48A, etc.

148A	Greensboro	baz=46	81.76 307	P	P	00 12 49.6	-1.7
059A	Moore Haven	baz=44,SNR=12	81.76 299	P	P	00 12 51.3	-0.1
INU	Inuyama	baz=46,SNR=9.8	81.77 49	PFAKE	LR	00 13 00.0	+8.6
		comp=Z,11um,18.0s					
W43A	Forest City	baz=43	81.80 311	P	P	00 12 49.1	-2.3
T39A	Clever	baz=42,SNR=23	81.84 314	P	P	00 12 49.6	-2.1
350A	Dozier	baz=48,SNR=7.6	81.89 305	P	P	00 12 51.3	-0.7
X44A	Crenshaw	baz=43	81.91 310	P	P	00 12 50.0	-2.1
KSU1	Kansas State U	comp=Z,1.07nm,0.9s	81.95 317	eP	P	00 12 52.4	+0.2
		comp=Z,1um,18.0s					
249A	Camden	baz=44,SNR=30	81.97 306	P	P	00 12 52.2	-0.3
957A	Wimauna	baz=46	81.98 300	P	P	00 12 51.6	-0.9
Y45A	Yeager Farm, C	baz=43,SNR=6.9	82.03 309	P	P	00 12 49.8	-2.9
MYKOM	Kota Tinggi	comp=Z,59nm,1.3s	82.05 95	eP	PP	00 12 52.4	-0.7
		comp=Z,700nm,19.0s					
		comp=Z,3um,19.0s					
U40A	Yellville	baz=42,SNR=25	82.05 313	P	P	00 12 51.2	-1.6
V41A	Mountainview	baz=42,SNR=39	82.09 312	P	P	00 12 51.7	-1.4
451A	Vernon	baz=45	82.11 304	P	P	00 12 52.2	-1.0
W42A	Bald Knob	baz=42	82.12 311	P	P	00 12 52.2	-0.9
058A	Arcadia	baz=46	82.13 300	P	P	00 12 51.7	-1.6
147A	Livingston	baz=44,SNR=8.1	82.15 308	P	P	00 12 52.1	-2.2
Z46A	Louisville	baz=44,SNR=5.3	82.17 308	P	P	00 12 52.0	-1.5
552A	Lynn Haven	baz=45	82.17 304	P	P	00 12 52.0	-1.5
LLLB	Lillooet	comp=Z,45nm,1.0s	82.22 338	eP	P	00 12 54.5	+1.0
		comp=Z,2um,20.0s					
DIB	Dawson Inlet	comp=Z,57nm,1.0s	82.24 345	eP	P	00 12 54.5	+1.0
		comp=Z,3um,19.0s					
248A	Dixon Mills	baz=44,SNR=11	82.25 307	P	P	00 12 53.4	-0.5
X43A	Marvell	baz=43	82.31 310	P	P	00 12 52.8	-1.4
X43A	Marvell	comp=Z,206nm,1.4s	82.31 310	eP	P	00 12 55.2	+1.0
		comp=Z,2um,19.0s					
T38A	Diamond	baz=41,SNR=26	82.31 314	P	P	00 12 52.6	-1.6
BBB	Bella Bella	baz=43	82.32 343	PFAKE	LR	00 13 10.0	+1.6
Y44A	Strider, Charl	baz=43	82.34 310	P	P	00 12 52.6	-1.7
SDPT	Sand Point	82.36 2	eP	P	P	00 12 53.6	-0.4
U39A	Green Springs	comp=Z,77nm,1.0s	82.37 313	P	P	00 12 53.8	-0.7
059Z	Ave Maria	baz=42,SNR=36	82.39 299	P	P	00 12 53.2	-1.5
GCMT	Greycliff	baz=46,SNR=6.4	82.42 329	eP	P	00 12 55.4	+0.7
JTMT	Jette	comp=Z,127nm,1.0s	82.42 332	eP	P	00 12 55.7	+1.0
		comp=Z,3um,19.0s					
V40A	Witts Springs	baz=42,SNR=54	82.44 312	P	P	00 12 53.3	-1.6
V40A	Witts Springs	comp=Z,45nm,0.9s	82.44 312	eP	P	00 12 55.0	0.0
		comp=Z,2um,20.0s					
HRY	Holter Researc	82.45 331	eP	P	P	00 12 55.1	+0.2
349A	Repton	baz=44,SNR=18	82.46 306	P	P	00 12 54.8	-0.2
Z45A	Winona	baz=43,SNR=5.8	82.47 309	P	P	00 12 53.8	-1.3
450A	Crestview	baz=44	82.48 305	P	P	00 12 54.5	-0.6
BRAL	Brewton	baz=44	82.50 306	P	P	00 12 53.9	-1.3
BRAL	Brewton	comp=Z,102nm,0.7s	82.50 306	eP	P	00 12 56.8	+1.5
		comp=Z,800nm,18.0s					
WHAR	Wooly Hollow	comp=Z,122nm,1.1s	82.53 312	eP	P	00 12 55.7	+0.3
		comp=Z,2um,18.0s					
JOW	Kunigami	82.58 60	P	P	P	00 12 55.8	+0.1
		comp=Z,41nm,0.7s, baz=314,slow=7.0,SNR=7.5					
		comp=Z,704nm,19.3s, baz=314,slow=39					
JOW	Kunigami	82.58 60	eP	P	P	00 12 54.6	-1.1
		comp=Z,125nm,1.1s					
W41B	Gary Mavity, V	baz=42,SNR=44	82.59 312	P	P	00 12 55.1	-0.6
W41B	Gary Mavity, V	comp=Z,112nm,1.0s	82.59 312	eP	P	00 12 55.9	+0.2
		comp=Z,1um,18.0s					
146A	Union	baz=44	82.64 308	P	P	00 12 54.5	-1.4
HHAR	Hobbs	comp=Z,60nm,1.0s	82.69 313	eP	P	00 12 56.0	-0.2
X42A	Stuttgart	baz=42	82.70 311	P	P	00 12 54.5	-1.7
FALS	False Pass	82.74 4	PFAKE	LR	LR	00 13 10.0	+1.4
		comp=Z,2um,21.0s					
Y43A	Makayla and Ka	baz=43	82.78 310	P	P	00 12 55.2	-1.4
247A	Quitman	baz=44	82.80 307	P	P	00 12 55.4	-1.4
RLMT	Red Lodge	baz=33,SNR=22	82.82 328	P	P	00 12 56.6	-0.4
RLMT	Red Lodge	comp=Z,53nm,1.3s	82.82 328	eP	P	00 12 57.8	+0.8
		comp=Z,2um,19.0s					
348A	Jackson	baz=44,SNR=5.7	82.84 306	P	P	00 12 57.0	0.0
V39A	Pettigrew	baz=42,SNR=24	82.86 313	P	P	00 12 56.4	-0.7
449A	Pace	baz=44	82.89 306	P	P	00 12 56.6	-0.7
NEW	Newport	baz=28,SNR=8.9	82.91 334	P	P	00 12 56.9	-0.2
NEW	Newport	comp=Z,73nm,1.3s	82.91 334	eP	LR	00 12 57.9	+0.8
		comp=Z,2um,18.0s					
NEW	Newport	82.91 334	eP	ppmax	P	00 12 57.9	+0.8
		comp=Z,73nm,1.3s					
NEW	University of	82.94 311	eP	P	P	00 12 58.1	+0.7
		comp=Z,70nm,0.9s					
UALR	University of	comp=Z,1um,20.0s					
Z44A	Pea Ridge, Bel	baz=43	82.96 309	P	P	00 12 55.4	-2.2
W40A	Ferguson Farm,	baz=42,SNR=7.7	83.03 312	P	P	00 12 56.9	-1.1
W40A	Ferguson Farm,	comp=Z,28nm,0.9s	83.03 312	eP	P	00 12 58.2	+0.3
		comp=Z,2um,20.0s					
MSO	Missoula	baz=30,SNR=10	83.10 332	P	P	00 12 56.5	-1.7
MSO	Missoula	comp=Z,57nm,1.3s	83.10 332	eP	P	00 12 58.2	-0.1

MSO	comp=Z,3um,19.0s			LR	LR		
246A	Jackson Lee, B	baz=43	83.13 308	P	P	00 12 57.4	-1.1
OGNE	Ogalla	baz=37	83.14 321	P	P	00 12 56.5	-2.0
OGNE	Ogalla	comp=Z,116nm,1.4s	83.14 321	eP	P	00 12 58.7	+0.1
		comp=Z,1um,20.0s					
448A	Bay Minette	baz=44,SNR=6.9	83.16 306	P	P	00 12 58.6	0.0
145A	Houston Retiro	baz=43	83.17 308	P	P	00 12 57.7	-1.0
347A	Saraland	baz=44,SNR=33	83.22 307	P	P	00 12 57.8	-1.2
X41A	Kaden, Bauxite	baz=42	83.24 311	P	P	00 12 57.7	-1.3
CCAR	Cane Creek	comp=Z,114nm,0.8s	83.25 311	eP	P	00 12 59.8	+0.7
		comp=Z,2um,19.0s					
BOZ	Bozeman (W)	baz=32,SNR=28	83.32 330	P	P	00 12 58.4	-1.0
BOZ	Bozeman (W)	comp=Z,64nm,1.3s	83.32 330	eP	P	00 13 00.1	+0.6
		comp=Z,2um,19.0s					
BOZ	Bozeman (W)	83.32 330	eP	ppmax	P	00 13 00.1	+0.6
		comp=Z,64nm,1.3s					
BOZ	Bozeman (W)	83.32 330	eP	MLR	MLR		
		comp=Z,2um,19.0s					
Y42A	Garnett, Star	baz=42,SNR=7.2	83.32 310	P	P	00 12 58.1	-1.3
W39A	Magazine	baz=41,SNR=17	83.42 313	P	P	00 12 58.3	-1.7
W39A	Magazine	comp=Z,208nm,1.8s	83.42 313	eP	P	00 13 00.2	+0.3
		comp=Z,2um,19.0s					
X40A	Basin Creek Fa	baz=42,SNR=16	83.42 312	P	P	00 12 58.9	-1.1
X40A	Basin Creek Fa	comp=Z,23nm,0.9s	83.42 312	eP	P	00 13 00.6	+0.6
		comp=Z,1um,19.0s					
144A	Alexander Plac	baz=43	83.43 309	P	P	00 12 58.5	-1.5
LRM	Limekiln Ridge	83.43 330	eP	P	P	00 13 00.3	+0.1
B08A	Colville Reser	comp=Z,30nm,1.0s	83.51 336	eP	P	00 13 00.2	-0.1
		comp=Z,3um,18.0s					
245A	Little A.P. Sta	baz=43,SNR=8.6	83.56 308	P	P	00 12 60.0	-0.8
C09A	Chrisman Ranch	comp=Z,125nm,1.0s	83.68 335	eP	P	00 13 01.8	+0.7
		comp=Z,1um,18.0s					
YNR	Norris Junctio	comp=Z,34nm,1.2s	83.71 329	eP	P	00 13 02.6	+1.0
YHR	Holmes Hill	comp=Z,2um,18.0s	83.71 329	eP	P	00 13 01.8	+0.1
		comp=Z,105nm,1.9s					
447A	Luedale	baz=44,SNR=6.4	83.73 306	P	P	00 12 59.2	-2.4
CBKS	Cedar Bluff	baz=36,SNR=10	83.73 319	P	P	00 13 00.5	-1.0
CBKS	Cedar Bluff	comp=Z,127nm,1.1s	83.73 319	eP	P	00 13 01.9	+0.3
		comp=Z,2um,20.0s					
CBKS	Cedar Bluff	83.73 319	eP	ppmax	P	00 13 01.9	+0.3
		comp=Z,127nm,1.1s					
LKWY	Lake	comp=Z,2um,20.0s	83.73 329	PFAKE	LR	00 13 10.0	+8.3
Y41A	Eglette Beard	baz=42,SNR=9.4	83.75 311	P	P	00 13 00.4	-1.3
K22A	Casper	baz=35,SNR=5.2	83.75 325	P	P	00 13 00.6	-1.2
K22A	Casper	comp=Z,163nm,1.2s	83.75 325	eP	P	00 13 01.3	-0.5
		comp=Z,2um,18.0s					
346A	Big Creek Wild	baz=43,SNR=9.6	83.78 307	P	P	00 12 59.8	-2.1
VBMS	Vicksburg	83.79 309	P	P	P	00 12 60.0	-1.9
VBMS	Vicksburg	comp=Z,92nm,0.8s	83.79 309	eP	P	00 13 02.4	+0.5
MIAR	Mount Ida	baz=42,SNR=55	83.79 312	P	P	00 13 01.2	-0.7
MIAR	Mount Ida	comp=Z,102nm,1.0s	83.79 312	eP	P	00 13 02.5	+0.6
		comp=Z,2um,18.0s					
MIAR	Mount Ida	83.79 312	eP	ppmax	P	00 13 02.5	+0.6
		comp=Z,102nm,1.0s					
MIAR	Mount Ida	83.79 312	eP	MLR	MLR		
		comp=Z,2um,18.0s					
Z42A	Norrel Spur, H	baz=42,SNR=6.1	83.83 310	P	P	00 13 00.8	-1.3
YMR	Madison River	comp=Z,102nm,1.3s	83.86 329	eP	P	00 13 03.6	+1.2
		comp=Z,2um,18.0s					
YHB	Horse But						

22d Oh

544A	White Castle	85.70	308	P	P	00 13 11.1	-0.4
240A	Hunter Patters	85.77	311	P	P	00 13 11.5	-0.3
URIC	Uribia, Colomb	85.82	282	eP	P	00 13 13.7	+1.4
645A	Chauvin	85.85	307	P	P	00 13 11.0	-1.3
F07A	Phinny Hill Vj	85.90	335	eP	P	00 13 13.2	+1.0
F07A				LR	LR		
341A	Kurthwood	85.96	310	P	P	00 13 12.5	-0.3
BMO	Blue Mountains	85.97	333	eP	P	00 13 12.3	-0.5
BMO				LR	LR		
BMO	Blue Mountains	85.97	333	eP	pmax	00 13 12.3	-0.5
BMO				MLR	MLR		
442A	Mamou	86.00	309	P	P	00 13 11.6	-1.4
HLID	Hailey	86.09	330	P	P	00 13 11.5	-2.0
HLID		86.09	330	eP	P	00 13 13.9	+0.4
HLID				LR	LR		
LCCY	Blossom Villeg	86.09	293	eP	P	00 13 15.0	+1.4
543A	St. Martinville	86.13	308	P	P	00 13 12.5	-1.2
G08A	Pilot Rock	86.13	334	eP	P	00 13 13.9	+0.3
G08A				LR	LR		
Q24A	Divide	86.16	322	P	P	00 13 13.0	-2.1
Q24A		86.16	322	eP	P	00 13 13.6	-0.5
Q24A				LR	LR		
TGY	Tagaytay City	86.30	74	LR	LR	00 56 45.5	
E03A	Lebam	86.39	338	eP	P	00 13 17.1	+2.4
E03A				LR	LR		
441A	DeRidder	86.40	309	P	P	00 13 14.5	-0.5
WMOK	Wichita Mounta	86.42	315	P	P	00 13 13.4	-1.7
WMOK		86.42	315	eP	P	00 13 15.2	+0.1
WMOK		86.42	315	eP	pmax	00 13 15.2	+0.1
WMOK				MLR	MLR		
NATX	Nacogdoches	86.48	311	P	P	00 13 15.0	-0.3
NATX		86.48	311	eP	P	00 13 17.2	+1.8
NATX				LR	LR		
542A	Morse	86.50	308	P	P	00 13 14.7	-0.8
O20A	White River Ci	86.56	325	P	P	00 13 14.1	-1.8
O20A		86.56	325	eP	P	00 13 16.1	+0.1
O20A				LR	LR		
F04D	Rainier, OR	86.65	337	P	P	00 13 12.8	-3.1
HWUT	Hardware Ranch	86.69	328	eP	P	00 13 16.5	0.0
HWUT				LR	LR		
G06A	Carlson Farm	86.71	335	eP	P	00 13 17.4	+1.0
G06A				LR	LR		
SDV	Santo Domingo	86.72	279	P	P	00 13 18.0	+0.9
SDV		86.72	279	eP	P	00 49 19.8	
SDV		86.72	279	eP	P	00 13 17.8	+0.8
SDV		86.72	279	eP	P	00 13 17.4	+0.4
SDV		86.72	331	eP	P	00 13 17.1	+0.5
MFID				LR	LR		
SMCO	Snowmass	86.80	323	PFAKE	LR	00 13 30.0	+1.3
G05D	Wamic, OR	86.91	336	P	P	00 13 14.8	-2.5
541A	Lake Charles	86.92	309	P	P	00 13 16.1	-1.5
F03A	Seaside	86.95	337	PFAKE	LR	00 13 30.0	+1.3
HVU	Hansel Valley	87.01	329	eP	P	00 13 18.9	+0.9
HVU		87.01	329	eP	pmax	00 13 18.9	+0.9
HVU				MLR	MLR		
KSM	Kuching	87.02	91	eP	P	00 13 18.7	+0.4
KSM				LR	LR		
TCUT	Toone Canyon	87.04	327	PFAKE	LR	00 13 30.0	+1.2
SPUT	South Promonto	87.29	328	eP	P	00 13 20.0	+0.6
SPUT				ePP	PP	00 16 40.4	-2.2
SPUT				LR	LR		
T25A	Trinidad	87.30	321	P	P	00 13 17.1	-2.5
T25A		87.30	321	eP	P	00 13 20.2	+0.7
T25A				LR	LR		
SDCO	Great Sand Dun	87.31	322	P	P	00 13 16.2	-3.5
SDCO		87.31	322	eP	P	00 13 19.2	-0.5
SDCO				LR	LR		
I07A	Izee	87.38	334	eP	P	00 13 20.4	+0.6
I07A				LR	LR		
MHTCO	State Highway	87.44	321	eP	P	00 13 21.2	+0.9
JLU	Jordanelle	87.49	327	eP	P	00 13 21.2	+0.7
JLU				LR	LR		
G03D	McMinville, O	87.52	337	P	P	00 13 17.8	-2.4
CTU	Camp Tracy	87.53	327	eP	P	00 13 20.7	0.0
CTU				ePP	PP	00 16 41.1	-3.5
CTU				LR	LR		
H04A	Detroit Lake	87.68	336	eP	P	00 13 21.4	+0.4
H04A				LR	LR		
J08A	Circle Bar Ran	87.69	333	eP	P	00 13 21.1	-0.1
J08A				LR	LR		
I05D	Terrebonne, OR	87.73	335	P	P	00 13 18.3	-3.0

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SBUM	Sibu	87.78	89	eP	P	00 13 22.3	+0.4
SBUM				ePP	PP	00 16 47.3	-0.2
AMTX	Amarillo	87.78	317	eP	P	00 13 19.3	-2.5
AMTX		87.78	317	eP	P	00 13 21.5	-0.2
AMTX				LR	LR		
WHXT	Lake Whitney	87.84	313	P	P	00 13 18.8	-3.2
WHXT		87.84	313	eP	P	00 13 22.1	+0.1
WHXT				LR	LR		
BGU	Big Grassy Mou	87.84	328	eP	P	00 13 22.2	+0.6
BGU				LR	LR		
S22A	4UR Ranch, Cre	87.91	322	P	P	00 13 20.8	-1.9
S22A		87.91	322	eP	P	00 13 22.6	0.0
S22A				ePP	PP	00 16 48.3	+0.4
CODC	Agua Fria Codaz	88.06	282	eP	P	00 13 23.6	+0.4
MPU	Maple Canyon	88.06	327	eP	P	00 13 23.0	-0.2
MPU				LR	LR		
COR	Corvallis	88.10	337	PFAKE	LR	00 13 30.0	+7.0
PINE	Pine Mountain	88.10	335	eP	P	00 13 25.0	+1.7
PINE				LR	LR		
PV07	Paradox Valley	88.14	324	eP	P	00 13 23.9	+0.2
PV15	Paradox Valley	88.15	324	eP	P	00 13 23.9	+0.2
P17A	Butcher Ranch	88.16	326	eP	P	00 13 22.5	-1.2
P17A				LR	LR		
PV04	Paradox Valley	88.29	324	eP	P	00 13 24.0	-0.3
NLU	North Lily Min	88.29	327	eP	P	00 13 24.7	+0.4
NLU				LR	LR		
PV09	Paradox Valley	88.30	324	eP	P	00 13 24.6	+0.1
PV01	Paradox Valley	88.36	324	eP	P	00 13 24.6	-0.1
SRU	San Rafael Swe	88.38	326	eP	P	00 13 24.4	-0.3
SRU		88.38	326	eP	pmax	00 13 24.4	-0.3
SRU				MLR	MLR		
DUG	Dugway, Tooele	88.38	328	P	P	00 13 21.7	-2.9
DUG		88.38	328	eP	P	00 13 23.8	-0.8
DUG				LR	LR		
DUG		88.38	328	eP	pmax	00 13 23.8	-0.8
DUG				MLR	MLR		
TMUT	Trail Mountain	88.50	326	eP	P	00 13 25.6	+0.2
TMUT				LR	LR		
HKT	Hockley	88.50	310	eP	P	00 13 26.5	+1.4
HKT		88.50	310	eP	pmax	00 13 26.5	+1.4
HKT				MLR	MLR		
ABTX	Abilene, Hawle	88.51	315	P	P	00 13 23.3	-1.9
ABTX		88.51	315	eP	P	00 13 24.3	-0.9
ABTX				LR	LR		
I04A	Tendick Farm	88.56	336	P	P	00 13 22.4	-2.9
WVOR	Wild Horse Val	88.56	333	eP	P	00 13 25.7	+0.3
WVOR		88.56	333	eP	pmax	00 13 25.7	+0.3
WVOR				MLR	MLR		
PV05	Paradox Valley	88.64	324	eP	P	00 13 25.7	-0.3
J05D	Fort Rock, OR	88.65	335	P	P	00 13 23.4	-2.5
435B	Jarrell	88.84	312	P	P	00 13 25.0	-1.7
435B		88.84	312	eP	P	00 13 27.6	+0.8
435B				LR	LR		
I03D	Drain, OR	88.92	336	P	P	00 13 25.1	-1.8
J04D	Umpqua Nationa	88.97	335	P	P	00 13 24.6	-2.8
K05A	Summer Lake	89.05	334	eP	P	00 13 28.9	+1.1
K05A				LR	LR		
MSTX	Muleshoe	89.05	318	P	P	00 13 23.9	-3.9
MSTX		89.05	318	eP	LR	00 13 27.7	-0.1
CGJL	Cibinong	89.07	100	P	P	00 13 27.3	-0.7
MVCO	Mesa Verde	89.10	323	P	P	00 13 25.4	-2.8
MVCO		89.10	323	eP	P	00 13 28.5	+0.3
MVCO				LR	LR		
OCAC	Ocana	89.11	280	eP	P	00 13 28.7	+0.3
SJCC	San Jacinto, C	89.33	283	eP	P	00 13 31.4	+2.0
K04D	Chiloquin, OR	89.41	335	P	P	00 13 25.9	-3.5
MSU	Marysval	89.56	326	eP	P	00 13 30.9	+0.6
MSU		89.56	326	eP	P	00 13 30.9	+0.6
TCRU	Three Creeks R	89.59	327	eP	P	00 13 30.9	+0.5
TCRU				ePP	PP	00 17 02.1	+0.9
MOD	Modoc Plateau	89.59	334	eP	P	00 13 31.6	+1.3
MOD				LR	LR		
HUMO	Hull Mountain	89.80	336	eP	P	00 13 31.8	+0.7
HUMO				LR	LR		
BMM	Battle Mountai	89.84	331	eP	P	00 13 32.3	+0.8
BMM		89.84	331	eP	pmax	00 13 32.3	+0.8
BMM				MLR	MLR		
MTPU	Mount Pierson	89.97	326	eP	P	00 13 33.6	+1.2
MTPU				LR	LR		

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KEBM	Edson Butte	89.97	337	PFAKE	LR	00 13 40.0	+8.1
ANMO	Albuquerque	90.04	321	P	P	00 13 29.7	-2.9
ANMO		90.04	321	eP	P	00 13 32.5	-0.1
ANMO				LR	LR		
ANMO		90.04	321	d/P	pmax	00 13 32.5	-0.1
ANMO							









22d Oh

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Table with columns: Object Name, RA, Dec, Mag, Type, and other details. Includes objects like T0813, T0817, T0818, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and other details. Includes objects like VTS Vitosha, ZAPS Zavojo, etc.

ICD 22 00:43:45.8 ± 0.4, 42:61'N:23:02'E, h0km, mb3.6/3, mb1 3.5/1.0, mb1mx3.4/6.0, mbtmp3.4/10, ML3.4/3, Error ellipse: s-maj=15.8km s-min=13.1km az=37.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and other details. Includes objects like VTS Vitosha, ZAPS Zavojo, BARS Barje, etc.

Table with columns: Object Name, RA, Dec, Mag, Type, and other details. Includes objects like OUR Uranopolis, RDO Rodhopi, HUMR Humele, etc.

ISCJB 22 00:49:23.0 ± 0.4, 42:62'N:01:22:96E:0.02, h3km,3km, Error ellipse: s-maj=3.2km s-min=2.2km az=146.1

ellipse: s-maj=5.6km s-min=0.8km az=9.0  
ISC 22 00:49:24.0.9.42.61N.0.02.22.99E.0.02,h8km,7km,  
n96,-0.679/152,23C-10D,Bulgaria

ISCJCB 22 00:54:39.2.0.5.39.05N.0.02.29.72E.0.03,h3km,4km,  
Error ellipse: s-maj=3.3km s-min=3.2km az=163.8  
DDA 22 00:54:39.3.09.03N.29.71E,h7km,ML3.1  
ISK 22 00:54:39.1.39.06N.29.70E,h6km,ML3.0/25  
CSEM 22 00:54:39.5.0.1.39.05N.29.73E,h5km,ML3.1, Error  
ellipse: s-maj=2.3km s-min=2.1km az=116.0

5.6mm,0.9s,baz=10,slow=3.5,SNR=5.8  
NVAR Mina Array Bea 48.37 78 P 01 04 32.7 -0.4  
PDAR Pinedale Array 50.87 68 P 01 04 51.6 -0.1  
ULM Lac du Bonnet 53.59 53 P 01 05 11.7 -0.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Vitosha, Zavoj, Barje, Skopje, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Gediz, Kutahya, Tavsani, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Vitosha, Zavoj, Barje, etc.

ISCJCB 22 00:55:56.2.0.4.42.61N.0.01.22.98E.0.02,h5km,3km,  
Error ellipse: s-maj=3.0km s-min=2.2km az=150.4  
CSEM 22 00:55:57.6.0.1.42.59N.22.95E,h10km,ML3.2, Error  
ellipse: s-maj=2.7km s-min=2.2km az=66.0

BEQ 22 00:55:57.1.0.2.42.59N.23.04E,h12km,2km  
THE 22 00:55:58.5.42.56N.23.07E,h9km,2km,ML3.2, Error  
ellipse: s-maj=4.2km s-min=0.6km az=16.0

ISC 22 00:55:57.1.0.9.42.59N.0.02.22.99E.0.02,h8km,7km,  
n109,-0.697/157,18C-11D,Bulgaria

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Vitosha, Zavoj, Barje, etc.

IDC 22 00:55:49.6.1.9.51.54N.173.42E,h0km,mb3.9/11,  
mb1.4/2.12,mb1mx3.7/74,mb2mx3.9/12,ML3.3/1, Error  
ellipse: s-maj=53.3km s-min=19.4km az=4.0

ISCJCB 22 00:55:51.5.1.3.51.54N.0.3.173.3E.0.1,h28km,mb3.9/13,  
Error ellipse: s-maj=36.6km s-min=11.0km az=0.6  
NEIC 22 00:55:51.2.0.8.51.54N.173.46E,h10km,mb4.3/3, Error  
ellipse: s-maj=24.6km s-min=7.8km az=180.0

ISC 22 00:55:53.7.1.8.51.6N.10.4.173.32E.0.08,h28km,n16,  
-0.686/17,mb4.0/13,Near Islands

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

ISCJCB 22 00:55:51.5.1.3.51.54N.0.3.173.3E.0.1,h28km,mb3.9/13,  
Error ellipse: s-maj=36.6km s-min=11.0km az=0.6  
NEIC 22 00:55:51.2.0.8.51.54N.173.46E,h10km,mb4.3/3, Error  
ellipse: s-maj=24.6km s-min=7.8km az=180.0

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











Table with columns: BILL, BILL, BILL, comp, Z, Onm, 0.8s, Fort Churchhill, FCC, FCC, FCC, BJL, BJL, SEY, LBTB, LBTB, PLVO, CM31, CM31, CMAR, CMAR, CMAR, INK, INK, INK, PAL, BINY, TOLK, N59A, KLR, CN2, CN2, CN2, CN2, YKWS, YKA, YKB5, COLD, GRNR, SSPA, SSPA, ERPA, BOSA, BOSA, WHN, M54A, O56A, O56A, N54A, IM3, E43A, C40A, CBN, CBN, D41A, D42A, FFC, FFC, FFC, MCWV, MCWV, MLY, IL1, ILAR, ILB, E41A, DAWY, AAM, USRK, EYMN, EYMN, G43A, C38A, WRH, NJ2, NJ2, COWI, E40A, ULM, ULM, SCRK, F41A, G42A, H43A, BPAW, RIDG, E39A, B35A, C36A, F40A, MCK, MCK, MCK

Table with columns: MCK, B34A, A33A, F39A, I43A, RND, RND, RND, R40A, CAST, C35A, D36A, DHY, I42A, F38A, G39A, AGMN, E36A, B32A, KS01, KS15, KSAR, KSAR, KSRS, KSRS, J41A, N46A, K42A, GHO, JFWS, YSS, YSS, YSS, YSS, I38A, SUA, KMSC, J39A, L41A, Q47A, F33A, J38A, PAUL, K39A, Q44A, PETK, WCI, R47A, J37A, N42A, S48A, H34A, TKL, TKL, EDM, EDM, EDM, Q45A, PSI, PSI, P43A, T48A, Q44A, R45A, L37A, S46A, P42A, T47A, U48A, ECSD, ECSD, Q43A, M38A, 155A, S45A, Q40A, GOGA, T46A, U47A, R43A, 154A, V48A, P40A

Table with columns: WVT, V47A, W48A, S43A, 254A, P39B, X49A, Y50A, V46A, R41A, JNU, CCM, CCM, CCM, P38A, ERM, ERM, T43A, X48A, Y49A, LAO, LAO, 455A, Z50A, PLAL, PBMO, W46A, 252A, Q38A, S41A, EGMT, EGMT, X47A, T42A, Y48A, 353A, R39A, 454A, 555A, Z49A, 859A, 251A, 150A, S40A, T41A, X46A, 656A, Y47A, LRAL, LRAL, U42A, WALA, Z48A, R38A, T40A, S39A, 149A, 655A, 250A, RSSD, RSSD, MJAR, Y46A, V42A, S38A, 148A, T39A, 350A, KSU1, KSU1, 249A, Y45A, U40A, V41A, 248A, T38A, U39A, GCMT, JTMT, V40A, V40A, HRY, 349A, WHAR, W41B









22d 2h

Table with columns for country codes (e.g., PLG, IVAS, BEY), names (e.g., Polygyros, Ivanjica, Berane), and numerical values with status indicators (e.g., 2.29 172 P, 2.29 172 eP).

2012 MAY

Table with columns for country codes (e.g., XOR, XOR, XOR), names (e.g., Xorichti, Xorichiti, Xorichti), and numerical values with status indicators (e.g., 3.28 178 ePn, 3.28 178 P).

2012 MAY

Table with columns for country codes (e.g., TLCR, TLCR, BUY), names (e.g., Buyukada, Mduyana-Bursa, Gironv), and numerical values with status indicators (e.g., 4.90 57 i/P, 4.90 57 i/P).

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Table with columns for country codes (e.g., TLCR, TLCR, BUY), names (e.g., Buyukada, Mduyana-Bursa, Gironv), and numerical values with status indicators (e.g., 4.90 57 i/P, 4.90 57 i/P).



22h 2h

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

2012 MAY

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

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



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like JIOSI, AML, KZA, UCH, MNAS, MNAS, EKS2, TARG, AAK, AAK, AAK, KBK, TKM2, KK31, KK31, KKAR, KYAR, PRZ, DANN, KOLN, BHPL, GKN, DMN, KKN, PKIN, PKI, GUN, JIRN, AKL, MAK2, MK01, MK31, MK32, MKAR, BOK, KURBB, KURK, AB31, ABKAR, BVAA, BVAA, BRVK, AKTO, AZL, ZALV, ZAA1, PALK, CHTO, CM31, CMAR, CM01, TLY, BR231, LHMI, MLR, FIAA, FIAO, FINES, ARAO, ARAO, HFS, NB20, NB20, NOA, SPAO, SPITS, EKA, TOA1, TORD, KOWA, INK, INK, WR1, WRA, AS31, ASAR, YKA.

Table with columns: JOM, Ohasama, JANG, Nango, JMK, Ichinoseki, JIO, Ouri, JRG, Rokugo, JTM, Temabayashi, JYK, Kaneyama, ERM, Erimo, ERM, Erimo, JNBK, Urakawa-nobuka, ASAJ, Asahikawa, ASAJ, Asahikawa, ASAJ, Tuman, GRPR, GRPR, GRPR, YUK, Yuzh-Kuril'sk, YUK, YUK, YUK, MJAR, Matushiro, MAJO, Matushiro, MAJO, Matushiro, MAT, MJB9, Matsu-Tunnel, KUR, Kuril'sk, KUR, KUR, YSS, Yuzh-Sakhalins, TEY, Ternei, USRK, Ussuriysk Arr, MSHR, Mys Shul'tsa, KSRS, Korea Arr, KS15, Wonju Arr, KS15, Wonju Arr, KS15, Wonju Arr, KLR, Kl'dur, MA2, Magadan, SEY, Seymchan, BOD, Bodaibo, ULN, Ulaanbaatar, SONA, Songino Arr, SONM, Songino Arr, H1N2, WAKE ISLAND Hy, H1N1, WAKE ISLAND Hy, H1N3, WAKE ISLAND Hy, H1S1, WAKE ISLAND Hy, H1S3, WAKE ISLAND Hy, H1S2, WAKE ISLAND Hy, BILL, Bilibino, BILL, Bilibino, TIXI, Tiksi, ZAA1, Zalesovo Arr, ZALV, Zalesovo Beam, IM3, Indian Mountain, KDAK, Kodiak Island, KDAK, Kodiak Island, KDAK, Kodiak Island, MK01, Makanchi Arr, MK31, Makanchi Arr, MK32, Makanchi Arr, MKAR, Makanchi Arr, MKAR, Makanchi Arr, MKAR, Makanchi Arr, MAKZ, Makanchi, MAKZ, Makanchi, BPAW, Bear Paw Mtn, KURK, Kurchatov, KURK, Kurchatov, GHO, Glory Hole Cre, KURBB, Kurchatov Arr, ILAR, Eielson Arr, ILAR, Eielson Arr, ILB, Eielson Arr, GUN, Gumba, KKN, Kakan, GKN, Gorkha, DANN, Ganshing, BVAR, Borovoye, BRVK, Borovoye, KOLN, Koldand, PYUN, Piuthan, INK, Inuvik, INK, Inuvik, INK, Inuvik.

Table with columns: ARU, Arti, Khabaz, ABKAR, WRR1, WRA, YKA, YKB5, AS31, Alice Springs, ASAR, Alice Springs, FIAO, FINESS Array S, FIAO, FINESS Array B, FINES, FINESS Array B, KIV, Kislovodsk, KIV, Kislovodsk, KIB, Khabaz, NVAR, Mina Array Be, NV01, Mina Array St, HFS, Hagfors, NB2, Norsar Subarra, NB20, Norsar Arr S, NB20, Norsar Arr B, NOA, Norsar Arr B, SFJD, Schefferville, AKASG, Malin Array Be, AKASG, Malin Array Be, AKAB, Malin Arr Si, AKAB, Malin Arr Si, PD31, Pinedale Array, PD31, Pinedale Array, BORG, Borgarnes, SCHO, Schefferville, SNAAR, SNAAR.

ISCJB 22 03:23:27.6±0.5, 42°41'N-0°02'23.24E±0.03, h4km, 4km, Error ellipse: s-maj=4.1km s-min=2.8km az=160.9 CSEM 22 03:23:27.0±0.1, 42°40'N-23°29'E, h5km, ML2.6, Error ellipse: s-maj=4.4km s-min=2.6km az=63.0 THE 22 03:23:27.6, 42°39'N-23°31'E, h6km, 2km, ML2.6/5, Error ellipse: s-maj=3.5km s-min=0.9km az=58.0 BEO 22 03:23:27.3±0.3, 42°43'N-23°37'E, h12km, 2km ISC 22 03:23:27.2±0.9, 42°40'N-0°02'23.29E±0.02, h10km, 7km, n66, c134/97, 3C-14D, Bulgaria

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like VTS, Vitoshka, VTS, Vitoshka, VTS, Vitoshka, VTS, Vitoshka, ZAPS, Zavoj, ZAPS, Zavoj, PLD, Plovdiv, PLD, Plovdiv, PLD, Plovdiv, NVR, Nevrokopi, NVR, Nevrokopi, BARS, Barje, BARS, Barje, VAY, Valandovo, VAY, Valandovo, VAY, Valandovo, VAY, Valandovo, VAY, Kendrikon, VAY, Kendrikon, VAY, Kendrikon, SRS, Serrai, SRS, Serrai, SOH, Sokhos, SOH, Sokhos, ZAGS, Zajecar, ZAGS, Zajecar, SELS, Selova, SELS, Selova, HORT, Hortiatis, RDO, Rodhopi, RDO, Rodhopi, RDO, Rodhopi, OUR, Ouranopolis, KUBS, Kucevo, KUBS, Kucevo, GRUS, Gruza, GRUS, Gruza, GRUS, Humele, HUMR, Humele, HUMR, Humele, ALN, Alexandroupoli, IVAS, Ivanjica, IVAS, Ivanjica, SJES, Sjenica, SJES, Sjenica, TRUS, Trudelj, TRUS, Trudelj, DIVS, Divibare, DIVS, Divibare, DIVS, Divibare, LOT, Lotru, LOT, Lotru.

ISCJB 22 03:01:06.1±0.4, 39°48'N-0°04:143.50E±0.04, h11km, mb4.1/3A, Error ellipse: s-maj=6.1km s-min=3.8km az=139.2 JMA 22 03:01:07.8±0.1, 39°47'N-143°48'E, h34km, M4.1 MOS 22 03:01:08.1±0.9, 39°41'N-143°50'E, h32km, mb4.3/19, Error ellipse: s-maj=9.5km s-min=6.1km az=95.8 NEIC 22 03:01:11.1±1.6, 39°47'N-143°38'E, h34km±11km, mb4.4/10, Error ellipse: s-maj=6.8km s-min=4.5km az=129.0 IDC 22 03:01:11.6±2.8, 39°40'N-143°35'E, h39km±24km, mb3.8/22, mb1.3/926, mb1mx3.7/79, mbtmp4.0/26, ML3.2/4, M3S.5/4, Ms1.3/54, Ms1mx2.9/68, Error ellipse: s-maj=17.1km s-min=13.8km az=130.0 ISC 22 03:01:07.5±0.6, 39°45'N-0°05:143°49E±0.06, h11km, n112, c152/113, mb4.1/34, 3C-2D, Off east coast of Honshu

Code Station Name Az Az' Phase ID Time Res. Rows include stations like MIYJ, Miyakonagasawa, MIYJ, Miyakonagasawa, JTH, Tanohata, OFUJ, Ofunato.

Table with columns: ARR, Arges, 3.12, 18, jP, Pn, 03 24 16.8 +0.4, etc.

IDC 22 03:36:59.2±1.1, 0.88N, 125.80E, h0km, mb3.7/6, mb1 3.9/6, mb1mx3.6/53, mbtmp3.8/6, MS3.2/2, Ms1 3.2/2, ms1mx2.6/47, Error ellipse: s-maj=77.1km s-min=20.5km az=69.0

ISC/JB 22 03:37:03.1±0.9, 0.8N, 0.2±125.7E, 0.5, h44km, mb3.7/6, MS3.0/1, Error ellipse: s-maj=69.7km s-min=16.6km az=158.7

ISC 22 03:37:05.1±1.2, 0.7N, 0.2±125.7E, 0.5, h44km, n8, σ140/6, mb3.8/6, Northern Molucca Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

ROM 22 04:03:39.8±0.0, 44.856N, 0.00111, 338E, 0.001, h5km, ML2.7/44

ISC/JB 22 04:03:40.1±0.2, 44.90N, 0.01±1.31E, 0.02, h14km±1km, Error ellipse: s-maj=2.6km s-min=2.0km az=21.7

IASPEI 22 04:03:40.4±0.8, 44.87N, 0.02±1.35E, 0.02, h11km±4km, Error ellipse: s-maj=2.8km s-min=2.4km az=93.0, 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> <b>4</b>, 465-472, 2009

CSEM 22 04:03:40.4±0.1, 44.88N, 11.33E, h8km, ML2.7/17, Error ellipse: s-maj=3.7km s-min=2.5km az=108.0

LDG 22 04:03:40.2±0.3, 44.82N, 11.52E, h2km, ML2.5/8, Error ellipse: s-maj=7.5km s-min=4.7km az=130.0

STR 22 04:03:41.0±2.3, 45.1N, 4.1±1.1E, 3.1, h5km, M4.0/7, MLv4.0/7

ISC 22 04:03:40.2±0.8, 44.88N, 0.01±1.35E, 0.02, h12km±4km, n182, σ140/8, 233, 21C-24D, Northern Italy

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

Main table with columns: RAVA, comp=E, 14150μm, 0.7s, AML, AML, etc.

Table with columns: ROVR, Rover, 0.79 346, jES, Sn, Pg, AML, etc.



Table with columns for station name, frequency, power, and other technical details. Includes stations like MAIM, PANI, CTSL, RNI, VARN, MABI, CSNT, POLC, OZOL, FSSB, KOSI, APPI, MPAG, CAFI, CARE, ATBU, and STAL.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ABSI, GEPF, SABO, VINO, ABTA, ROSI, PTCC, RISI, FETA, ACOM, MYKA, WTTA, WATA, MOTA, NVLI, KBA, DAVA, RETA, OBKA, PGF, SBF, SMPL, MBDF, and LPG.

Table with columns for station name, frequency, power, and other technical details. Includes stations like LPL, MOA, FRF, LMR, KIZ, ORIF, CHMF, CAAB, OPP, HINF, ECH, CDF, KHC, MEZF, LOR, SSF, AVF, TCF, GIVF, and various other stations.

Table with columns for station name, frequency, power, and other technical details. Includes stations like VTS, ZAVO, BARS, SKO, VALANDOVO, ZAJECAR, PLOVDIV, BOVAN, NVR, KENDRIKON, SELVA, SMREKONICE, SERRAI, GRIVA, and SOH.

ISCJB 22 04:09:57.5:0.4, 42:62N:0:01:22:97E:0:02, h1km, 3km, mb3.5/2, Error ellipse: s-maj=2.7km s-min=2.3km az=145.6

BEO 22 04:09:58.7:0.2, 42:59N:23:01E, h10km, 2km CSEM 22 04:09:59.0:0.1, 42:60N:22:97E, h10km, ML3.2, Error ellipse: s-maj=3.3km s-min=2.6km az=59.0

IDC 22 04:09:60.0:1.7, 42:98N:22:36E, h0km, mb3.3/2, mb1 3.5/4, mb1mx3.2/54, mbtm3.2/4, ML3.0/2, Error ellipse: s-maj=49.2km s-min=14.7km az=139.0

THE 22 04:10:00.1, 42:54N:23:07E, h5km, 5km, ML3.2/5, Error ellipse: s-maj=7.1km s-min=0.5km az=7.0

ISC 22 04:09:58.4:1.0, 42:60N:0:02:22:98E:0:02, h6km, 7km, n122, r1220/174, 23C-10D, Bulgaria

Table with columns for Code, Station Name, Frequency, Power, and other technical details. Includes stations like VTS, ZAVO, BARS, SKO, VALANDOVO, ZAJECAR, PLOVDIV, BOVAN, NVR, KENDRIKON, SELVA, SMREKONICE, SERRAI, GRIVA, and SOH.



22d 5h

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like Zalesovo Array, Indian Mount, Makanchi Array, etc.

ISCJB 22 04:40:26.70.4, 59.58N, 02:24:57E, 0.05, h0km, Error ellipse: s-maj=4.0km s-min=3.1km az=15.9

CSEM 22 04:40:27.5.0.3, 59.58N, 24:62E, h2km, ML1.8, Error ellipse: s-maj=6.8km s-min=5.1km az=100.0, Mining explosion.

HEL 22 04:40:28.3.0.1, 59.54N, 24:61E, h0km, ML1.9, Explosion IDC 22 04:40:28.1.2.3, 59.51N, 24:91E, h0km, ml1.3, 1/4, mb1mx2.9/64, mbmp2.0/4, ML2.4/4, Error ellipse: s-maj=26.6km s-min=8.8km az=139.0

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

2012 MAY

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like RAF Rauma, SLIT, AAL Aland, etc.

SOME 22 05:06:46.1, 40.00N, 75.98E, h0km NNC 22 05:06:46.3.3, 39.44N, 76.03E, h0km, mb3.8, mpv3.4, Error ellipse: s-maj=26.8km s-min=13.3km az=149.0

KRNET 22 05:06:47.3.0.1, 39.70N, 75.94E, mb3.4, ISC 22 05:06:48.4.1.5, 39.94N, 0.06:75.88E, 0.04, h10km, n39, i128/67, 23C-13D, Southern Xinjiang

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like Sufi-Kurgan, Sufi-Kurgan, KZA Kyzart, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like CHKK Chushkaly, PDGK Podgornyye, ARXS Arhaly, etc.

SJA 22 05:23:00.3.0.6, 34.32S, 72.20W, h9km, 5km, ML3.5, MWV.2

GUC 22 05:23:01.8.0.4, 34.35S, 72.08W, h25km, 21km, ML3.5, ISC 22 05:23:01.9.1.6, 34.36S, 71.95W, 0.08, h9km, 12km, n19, 28/09/29, ID, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like GO05 Hualae0, GO05 Hualae0, LOS NICHES, etc.

MEX 22 05:23:01.9.0.7, 16.34N, 98.19W, h7km, 5km, MD3.9, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like PNIG Pinotepa, PNIG Pinotepa, TLIG Tlapa, etc.

ISCJB 22 05:29:50.2.0.4, 59.59N, 02:24:57E, 0.05, h0km, Error ellipse: s-maj=3.7km s-min=3.3km az=168.7

CSEM 22 05:29:51.5.0.3, 59.60N, 24:64E, h2km, ML2.7/4, Error ellipse: s-maj=6.0km s-min=4.9km az=99.0, Mining explosion.

HEL 22 05:29:51.9.0.1, 59.55N, 24:59E, h0km, ML1.7, Explosion IDC 22 05:29:53.2.2.2, 59.62N, 24:70E, h0km, ml1.3, 0.0/3, mb1mx2.8/59, mbmp2.9/3, ML2.8/2, Error ellipse: s-maj=26.1km s-min=8.4km az=141.0

ISC 22 05:29:50.4.0.7, 59.59N, 02:24:56E, 0.02, h0km, n31, i08/52/4, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like MEF Metsahovi, ARBE Arbavere, MTSE Matsula, etc.



22d 6h

2012 MAY

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Table with columns: BDI, Bagni Di Lucca, 0.90 202, eP, Pn, 06 11 33.5 +0.3. Includes rows for MAGA Magasa, MAIM Mastiano, CRMI Carmignano, CGRP Cima Grappa, PANI Panarotta, ASQU Asqua, MABI Malga Bissina, CTI Castelletto, etc.

Table with columns: CTI, comp=N, 1490um, 0.3s, 1.42 140, AML, AML. Includes rows for CPGN Carpegna, CSNT Castellina Chi, CAE Caneva, FAU Forcella Aurin, FAU Forcella Aurin, PARC Paroli, etc.

Table with columns: BAD Bernadia, COLI Coloredo, COLI Coloredo, ROSI Roskopf, ROSI, VINO Villanova, TRI Trieste, TRI Trieste, FVI Forni Avoltri, SABO M.te Sabotino, SABO M.te Sabotino, CASP Castiglione de, ABTA Abfalterbach, ABTA Abfalterbach, MGAB Montegabbione, MGAB, MGAB, MGAB, SNTG Esanatoglia, SNTG, SNTG, FETA Feichten, FETA Feichten, FETA Rein, RISI Rein, RISI, RISI, SKDS Skadancina, SKDS Skadancina, PTCC Patocco-Chiusa, PTCC, CELB S.Piero in Cam, CELB, CELB, RORO Rocca Rossa, RORO, RORO, ACOM Acomizza, ACOM, ACOM, WTTA Wattenberg, WTTA, WTTA, WTTA, WTTA, WTTA, WTTA, MYKA Terra Mystica, MYKA Terra Mystica, CEY Cerknica, DAVA Damuels, DAVA Damuels.





Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like AGUA GUANADACOL, G003 Copiap, G002 Mina Guanaco, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like THW Thamme Wali, KBL Kabul, CEP Cherat, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like LAGR, LAGR, LAGR, etc.

SJA 22:06:28:08.0,6,31.955:68.41W,h110km,3km,ML2.7, MW3.8, San Juan Province

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like RTCV Cerro Valdivia, RTLV Cerro Villicu, RTLL Salagasta, etc.

NIED 22:07:18:00,39:60N,143:70E,h17km,MW4.9, Best double couple: M2.4100x1018,NP1.195:00000, 1.80,00000, NP2.26:00000, 3.68,00000, 1.94,00000.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like IM3 Indian Mountain, ASAR Alice Springs, INK Inuvik, etc.

JMA 22:07:18:28.0,0.2,39:61N:143:57E,h32km,M5.0, JMA Felt II J1.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like USRK Ussuriysk Arr, USRK Ussuriysk Arr, USRK Ussuriysk Arr, etc.

ISCJB 22:07:02:02.0,6.0,4,39:11N,0:04:29:16E,0:03,h9km,4km, Error ellipse: s-maj=6.4km s-min=4.1km az=1016

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like SHAP Saphane-Kutahy, SHAP Saphane-Kutahy, SHAP Saphane-Kutahy, etc.

ISC 22:07:18:30.0,0.9,39:76N:143:22E,h21km,mb5.2/92, MS4.6/27 Error ellipse: s-maj=6.1km s-min=3.8km az=105.8

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like JTH Tanohata, MIYJ Miyakonagasawa, MIYJ Miyakonagasawa, etc.

ISC 22:07:18:30.7,0.4,39:67N:0:03:143:33E,0:04,h21km,4km, h21km,P-P,n583,0:1946/607,mb4.9/260,MS4.6/77, 51C-17D, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like JNU Nakatsue, JNU Nakatsue, JNU Nakatsue, etc.

ISCJB 22:07:02:02.0,6.0,4,39:11N,0:04:29:16E,0:03,h9km,4km, Error ellipse: s-maj=6.4km s-min=4.1km az=1016

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like SHAP Saphane-Kutahy, SHAP Saphane-Kutahy, SHAP Saphane-Kutahy, etc.

ISC 22:07:18:30.0,0.9,39:76N:143:22E,h21km,mb5.2/92, MS4.6/27 Error ellipse: s-maj=6.1km s-min=3.8km az=105.8

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like JTH Tanohata, MIYJ Miyakonagasawa, MIYJ Miyakonagasawa, etc.

ISC 22:07:18:30.7,0.4,39:67N:0:03:143:33E,0:04,h21km,4km, h21km,P-P,n583,0:1946/607,mb4.9/260,MS4.6/77, 51C-17D, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like JNU Nakatsue, JNU Nakatsue, JNU Nakatsue, etc.

ISC 22:07:08:35.1,0.5,27:73N,0:06:66:50E,0:05,h33km, mb4.0/15,MS3.6/2, Error ellipse: s-maj=9.2km s-min=6.8km az=169.2

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like SHAP Saphane-Kutahy, SHAP Saphane-Kutahy, SHAP Saphane-Kutahy, etc.

ISC 22:07:08:38.2,1.0,27:83N:0:06:36E,h38km,9km,mb4.3/5, Error ellipse: s-maj=12.0km s-min=7.1km az=135.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like JTH Tanohata, MIYJ Miyakonagasawa, MIYJ Miyakonagasawa, etc.

ISC 22:07:08:36.8,0.7,27:81N:0:1:66:39E,0:08,h35km,n42, 0:1944/42,mb3.9/15, Pakistan

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like JNU Nakatsue, JNU Nakatsue, JNU Nakatsue, etc.

1401

Table with columns for flight number, destination, departure time, status, and other flight details. Includes destinations like Shenyang, Dalian, Beijing, Nanjing, etc.

2012 MAY

Table with columns for flight number, destination, departure time, status, and other flight details. Includes destinations like Seymchan, Nanchang, Taiyuan, etc.

22d 7h

Table with columns for flight number, destination, departure time, status, and other flight details. Includes destinations like GTA, NONG, SKNT, etc.



Table with columns: Station, Frequency, Power, and other technical details. Includes stations like NB2 NORSAR Subarra, NOA NORSAR Array B, BBOO Buckleboe, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like BRTR comp=Z,188nm,18.7s, DOPR Dopca, MLR Muntele Rosu, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like GRFO Grafenberg, GRFO Grafenberg, CSS Mathias, etc.

ISCJB 22 07:19:36.4,0.4,24.87N;0.02;122.09E;0.02, h5km,4km, Error ellipse: s-maj=3.8km s-min=3.3km az=29.1 TAP 22 07:19:36.4,2.4,24.88N;122.04E;h12km,ML3,0,C JMA 22 07:19:37.4,2.4,24.86N;122.00E;h33km,ML2,4 ISC 22 07:19:35.1,1.1,24.87N;0.03;122.14E;0.03,h5km,10km, n58,05f80,2C,Taiwan region Code Station Name 'A' 'Z' Op Phase ID Time Res h m s ISC







Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Ashorobuto, Keihoku, Abashiri-Toko, Matsushiro Arr, etc.

ISCJB 22 08:21:27.3:0.8, 4.10S:0.05:133.79E:0.09, h33km, mb3.5/1, Error ellipse: s-maj=12.8km s-min=6.4km az=171.7

DJA 22 08:21:31.2:0.9, 4.1S:6.13E:134.4km, M4.3/6, mb5.0/1, mb4.7/1, Mw/4.1/6, Mw(mb)4.3/1

ISC 22 08:21:34.8:3.3, 4.66S:133.42E, h0km, mb3.5/1, mb1.0/4.0, mb1mx3.5/60, mbtmp3.8/4, ML3.8/3, Error ellipse: s-maj=134.7km s-min=30.9km az=83.0

ISC 22 08:21:25.8:1.1, 4.19S:0.06:133.84E:0.09, h35km, n8, az=271.12, Irian Jaya region

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

JMA 22 08:22:16.4:0.2, 38.25N:144.41E, h19km, M3.6, Off east coast of Honshu

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

ISCJB 22 08:29:10.0:2.4, 42.44N:0.01:1.07E:0.01, h10km, 1km, Error ellipse: s-maj=1.9km s-min=1.8km az=164.2

CSEM 22 08:29:10.6:0.1, 42.40N:1.10E, h5km, ML3.3/25, Error ellipse: s-maj=1.8km s-min=1.5km az=141.0

IASPEI 22 08:29:10.5:0.8, 42.39N:0.02:1.10E:0.02, h12km, 4km, Error ellipse: s-maj=2.9km s-min=2.3km az=11.7, G75 selection from ISC bulletin G75 identified by Bond jr and McLaughlin (2009) selection criteria Bond jr and McLaughlin, A new ground truth data set for seismic studies, <b>Seism. Res. Let.</b>, <b>80</b><b>4</b>, 465-472, 2009

LDG 22 08:29:11.9:0.1, 42.38N:1.12E, h4km, Md3.1/4, M3.4/28, Error ellipse: s-maj=1.1km s-min=0.9km az=163.0

MRB 22 08:29:11.3:0.3, 42.38N:1.10E, h4km, 1km, ML2.9/26, Error ellipse: s-maj=0.8km s-min=0.7km az=265.0

MDD 22 08:29:11.8:0.1, 42.38N:1.10E, h4km, 1km, mbLg3.1/52, Error ellipse: s-maj=1.8km s-min=1.6km az=180.0, PRXIMO

MDD EMS: III INTENSIDAD MAXIMA, STR 22 08:29:14.6:0.8, 42.44N:4.4E, h5km, M3.7/7, mb4.0/1, ML3.5/7

ISC 22 08:29:10.5:0.8, 42.44N:0.01:1.10E:0.01, h14km, 4km, n232, az=47/371, 9C-10, Pyrenees

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Sort, Esteri de Car, Organya, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CTRE, ARBS, MLS, CAVN, EMIR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ATE, CPAL, ERTA, EBR, COBS, CMAS, IELO, EORO, SJPF, IPRE, MONO, EARA, EALK, EMOS, LFF, LASF, CAF, TRBF, ETOR, etc.

Table with columns for station name, frequency, SNR, and other parameters. Includes stations like ETOR, TORRE, RJF, etc.

Table with columns for station name, frequency, SNR, and other parameters. Includes stations like GUD, BGF, CALF, etc.

Table with columns for station name, frequency, SNR, and other parameters. Includes stations like FLN, ECAB, EAGO, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Miyakonagasawa, Tanohata, Ofunato, Ohasama, Nango, Hinai, Erimo, Kaneyama, Urakawa-nobuka.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Zhongli, Ningenchiao, Chiawan, Emei, Hsinchu, Nanjuang, Hsinchu, Tachien, Techi, Shuangxi, Renai, Guoxing, Guangfu, Sun Moon Lake, Taichung, Yuch, Ruisui, Hungye, Zhonghua, Mingjian, Zhushan, Yuli, Yuli, Alishan, Funau, Gukeng, Douliu, Erlin, Fuli, Ta-ch'eng, Chengkung, Lidau, Hateruma jima, Minshiu, Chiyai, Tsauhsan, Ta-pu.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Kuro-shima, Szu, Tauyuan, Puzi, Ishigaki jima, Hsiinying, Nanshi, Biinan, Lutaow, Pinglang, Luigi, Ma-tsu, Wuc, Sandimen, Tarama, Mashibuluo, Penghu, Peng-hu, Dzungi, Anshuo, Fangliu, Lan-yu, Irabujima, Gusukube.

ISCJB 22 09:00:00.4 0.4, 24.83N, 0.02:121.97E, 0.02, h92km, 2km, Error ellipse: s-maj=3.3km s-min=2.3km az=154.7

JMA 22 09:00:00.4 0.1, 24.79N, 121.94E, h92km, 2km, M2.9

TSC 22 09:00:00.5, 24.82N, 121.94E, h91km, ML3.9, B

ISC 22 09:00:00.4, 1.3, 24.84N, 0.03:121.96E, 0.02, h93km, 5km, n109, s081/200, 6C, Taiwan

Main table for the first section with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Toucheng, Shuangxi, Suao, Wu-fen Shan, Neicheng, Yuanshan, EOS1, Nanao, Taipei, Yuh, Ruisui, Hungye, Zhonghua, Mingjian, Zhushan, Yuli, Alishan, Funau, Gukeng, Douliu, Erlin, Fuli, Ta-ch'eng, Chengkung, Lidau, Hateruma jima, Minshiu, Chiyai, Tsauhsan, Ta-pu.

Main table for the second section with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Hsinchu, Tachien, Techi, Shuangxi, Renai, Guoxing, Guangfu, Sun Moon Lake, Taichung, Yuch, Ruisui, Hungye, Zhonghua, Mingjian, Zhushan, Yuli, Alishan, Funau, Gukeng, Douliu, Erlin, Fuli, Ta-ch'eng, Chengkung, Lidau, Hateruma jima, Minshiu, Chiyai, Tsauhsan, Ta-pu.

Main table for the third section with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Biinan, Lutaow, Pinglang, Luigi, Ma-tsu, Wuc, Sandimen, Tarama, Mashibuluo, Penghu, Peng-hu, Dzungi, Anshuo, Fangliu, Lan-yu, Irabujima, Gusukube.

ISCJB 22 09:02:40.8 0.4, 23.65S, 0.03:179.82W, 0.08, h532km, mb4.4/2, Error ellipse: s-maj=9.4km s-min=4.6km

NEIC 22 09:02:40.2 0.6, 23.55S, 179.23W, h568km, 10km, mb4.9/31, Error ellipse: s-maj=12.6km s-min=7.3km az=80.0

ISC 22 09:02:42.0 1.2, 23.66S, 179.92W, h516km, 13km, mb3.6/18, mb1 3.8/18, mb1mx3.6/44, mbtmp4.5/18, Error ellipse: s-maj=12.6km s-min=10.9km az=171.0

ISC 22 09:02:41.8 0.4, 23.67S, 179.70W, 0.08, h532km, n80, s216/94, mb4.5/42, 1C, South of Fiji Islands

Main table for the fourth section with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Raoul Island, Nonsavu, Afiamalu, Urewera, Funafuti, Black Stump Fm, Birch Farm, South Karori, Tophouse, Kahutara, Lake Taylor, Oxford, McQueen's Vall, Rata Peaks, Fox Glacier, Lake Benmore, Otahua Downs, Wanaaka, Mavora Lakes, Honiara, Deep Cove, Wether Hill Ro, Armidale, Eidsvold.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for CAN Canberra, CTA Charters Tower, CTAO Charters Tower, STKA Stephens Creek, AS01 Alice Springs, AS31 Alice Springs, ASAR Alice Springs, ASAR Warramunga Arr, W3C Warramunga Arr, WB2 Warramunga Arr, WRAB Tennant Creek, WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, FORT Forrest, MTN Mantion Dam, UWU Uwekahuna, FITZ Fitzroy Crossi, VANDA Vanda, QSPA South Pole Qui, QSPA South Pole Qui, MAW Mawson, MAW Mawson, KSRS Korea Arr, PETK Petropavlovsk, NJ2 Nanjing, USRK Ussuriysk Arr, WHN Wuhan, SYO Syowa Base, NVAR Mira Arry Bee, SNAA Sanae, SNAA Sanae, VNA3 Neumayer Olymp, GYA Guiyang, GYA Guiyang, GYA Guiyang, GYA Guiyang, BJI Beijing, KMI Kunming, KMI Kunming, CMAR Chiang Mai Arr, TXAR Lajitas Arr, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, CD2 Chengdu, ILAR Eielson Array, PDAR Pinadale Array, KSH Kashi, BVAR Borovoy Array, ARCES ARCES Array B, AKASG Atkin Array B, BRTR Keskin Array B, MMAL Mount Meron Arr, EKA Ekdalemir Arr, TORD Torodi Arr, TORD Torodi Arr.

IDC 22 09:19:29.2, 1.3, 52:58N:169:60W, h0km, mb3.5/5, m1 3.8/6, mb1mx3.4/85, mbtmp3.4/6, ML2.71, MS3.2/1, MS1 3.2/1, m1 3.8/6, mb1mx2.5/29, Error ellipse: s-maj=60.2km s-min=23.7km az=135.0 NEIC 22 09:19:31.9, 0.0, 52:71N:169:42W, h8km, ML3.2(AEIC), After AEIC. ISJCJB 22 09:19:33.6, 0.6, 52:28N:0:1:169:5V, 0:1, h40km, mb3.5/5, MS3.2/1, Error ellipse: s-maj=20.6km s-min=4.8km az=153.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for Code Station Name, Az, Az', Phase ID, Time, Res. Includes entries for NIKH Nikolski High, NIKH Nikolski High, OKAK Okmok, OKAK Okmok, OKTU Okmok Mt. Tuli, OKTU Okmok Mt. Tuli, MSW Makushin Swift, MTBL Makushin Table, UNV Unalaska Valle, UNV Unalaska Valle, AHB Akutan Harbor, AKUT Akutan, AKSA Akutan Strait, KOPF Korovin Flat P, ATKA Atka Island, ATKA Atka Island, FALS False Pass, GSMY Great Sitkin M, KDAK Kodiak Island, KDAK Kodiak Island, KDAK Kodiak Island, ILAR Eielson Array, INUK Inuvik, INK Inuvik, YKA Yellowknife Arr, H1N12 WAKE ISLAND Hy.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for H1N13 WAKE ISLAND Hy, H1N11 WAKE ISLAND Hy, H1S11 WAKE ISLAND Hy, H1S12 WAKE ISLAND Hy, H1S13 WAKE ISLAND Hy, TXAR Lajitas Array, TXAR Lajitas Array, WRA Warramunga Arr, ASAR Alice Springs.

ISK 22 09:21:46.0, 0.37:51N:31:98E, h27km, ML2.8/4 ISJCJB 22 09:21:47.0, 0.8, 37:25N:0:03:31:96E, 0:0, 4, 1km, gkm, Error ellipse: s-maj=5.9km s-min=4.9km az=176.2 DDA 22 09:21:47.7, 0.37:26N:31:90E, h7km, ML2.4 CSEM 22 09:21:47.6, 0.3, 37:26N:31:92E, h10km, ML2.4, Error ellipse: s-maj=7.8km s-min=5.8km az=77.0 ISC 22 09:21:47.6, 1.1, 37:26N:0:03:31:91E, 0:0, 0.3, h12km, 10km, n20, e066/32, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for KEPZ Antalya-Kepez, KEPZ Antalya-Kepez, KMER Konya-Merem, KMER Konya-Merem, SUTC Sutluce-Ispart, SUTC Sutluce-Ispart, DOGA Konya\_Doganhis, DOGA KONYA\_Doganhis, LADK Ladik-Konya, GAZI Gazipasa, GAZI Gazipasa, GAZI Gazipasa, BAGO Egirdir - ISPA, BAGO Egirdir - ISPA, TEKE Tekeli-Mersin, TEKE Tekeli-Mersin, TEVE Tevekatli-Mers, TEVE Tevekatli-Mers, KIZT Kizilcal, AKKU Akkuyu-Mersin, AKKU Akkuyu-Mersin, KIZK Mersin.

IDC 22 09:30:53.4, 0.7, 11:50N:85:61W, h0km, mb3.7/9, m1 4.0/10, mb1mx3.8/48, mbtmp3.7/10, ML3.3/1, MS3.4/2, MS1 3.4/2, ms1mx2.6/43, Error ellipse: s-maj=45.6km s-min=10.7km az=59.0 NEIC 22 09:30:53.7, 1.1, 10:36N:86:33W, h47km, 11km, mb4.3/50, Error ellipse: s-maj=15.0km s-min=8.7km az=210.0 UCR 22 09:30:54.1, 3.1, 10:65N:86:53W, h19km, 19km, MD4.5, ML3.5, mb4.3(NEIC) ISC 22 09:30:54.1, 0.5, 10:65N:0:06:86:43W, 0:05, h23km, n232, s-maj=169.23km, mb4.2/5, AC-2D, Off coast of Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for CRZ1 La Cruz, VCR Vista de Mar, CP52 Hotel Rinc'n, CONN Concepcion, CONN Concepcion, MESS Mesas, MESS Mesas, JTS JuntasAbangare, JTS JuntasAbangare, JTS JuntasAbangare, JTS JuntasAbangare, MGN Mangan Manuep, MGN Mangan Manuep, COPN Copalpete, COPN Copalpete, MOMI Imolombombo, CNGN Cerro Negro, SRA1 San Ram'n, CGA2 Cerro Gallo 2, MATN Matagalpa, HDC Heredia, HDC Heredia, ESTN Estel, QCR1 Quepos, ESPN Las Esperanzas, TRT1 Tortuguero, VTRO Volcan Turrial, CVTR Volcan Turrial, URSC Urasca, RCON San Juan de Ri, CNCH Conchagua, CNCH Conchagua, LOND La Ca'ada, PACA Pacayal, TECA Tecapala, TECA Tecapala, TGUH Tegucigalpa, UN PAVA Las Pavas, LFU La Fuente, LFU La Fuente, UES San Salvador, UES San Salvador, SBLS San Blas, IXL Ixapaco, APG El Apazote, MAT10 Matias Romero, OTAV Otavalo, LVIG Laguna Verde, TLIG Tiapia, SDV Santo Domingo, LNIQ Linares, 453A Whigham, 351A Pinard, OBIP Obispado Ponce, 353A Camilla, TGA Trifon, HKT Hockley, 249A Camden, 252A Lumpkin, 252A Flagon Creek P, 251A Midway, 833A Chaparral WMA, 833A Chaparral WMA, 247A Quitman.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for 341A Kurthwood, 245A Little AP, Sta, 244A Avery, Jackson, 151A Opelika, 149A Jones, 150A Eclectic, 144A Lakeview Retre, LRAL Lakeview Retre, LRAL Lakeview Retre, NATX Nacogdoches, Z49A Columbiana, Z47A Carrollton, Z50A Ashland, Z46A Louisville, Z48A Northport, GOGA Godfrey, GOGA Godfrey, Z44A Peabridge, Bel, Z42A Norrel Spur, H, Y49A Blount Mountai, Y50A Piedmont, Y48A Jasper, Y47A UCPARC, Winfie, Y46A Houston, Y45A Yesler Farm, C, JCT Junction City, JCT Junction City, X48A Hartsele, X47A Woodville, X49A Russellville, X45A UM Field Stati, X46A Booneville, OXF Oxford, OXF Oxford, JSC Jenkinsville, PLAL Pickwick Lake, W48A Pulaski, W46A Michie, BG3 Lake Jocassee, SWET Sewanee, W47A Westpoint, TXAR Lajitas Arry, TXAR Lajitas Arry, TX31 Lajitas Arr, UALR University of, MIAR Mount Ida, MIAR Mount Ida, CPCT Cooper Cave, X39A Fountain Ranch, KMSC Kings Mountain, W41B Gary Mavity, W41B Gary Mavity, TKL Tuckaleechee C, ABTX Abilene, Hawle, ABTX Abilene, Hawle, V47A Nunnelly, WHAR Whittow Hollow, W40A Ferguson Farm, W40A Ferguson Farm, W39A Magazine, V42A Cord, V41A Mountainview, U47A Clarksville, U40A Wits Springs, V40A Wits Springs, TZTN Tazewell, V39A Pettigrew, U41A Revenen, U41A Viola, T47A Sharon Grove, U40A Yellville, T46A Princeton, U39A Green Forest, HHAR Hobbs, WMOK Woodmont, TUL1 Leonard, TUL1 Leonard, T42A Van Buren, T41A Mountain View, BLA Blacksburg, S43C Fulton Ridge, WVCC Virginia Weste, T38A Diamond, S41A Jillico Farms, S40A Lebanon.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error, Azimuth Rate Error, Elevation Rate Error. Includes stations like WCI Wyandotte Cave, R47A Woolly Knot Far, R44A Waltonville, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error, Azimuth Rate Error, Elevation Rate Error. Includes stations like YKA Yellowknife Arr, SFJD Kangerlussuaq, ILAR Eielson Array, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error, Azimuth Rate Error, Elevation Rate Error. Includes stations like NOVE, OPPE, MTRZ, ZCCA, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ERBM, BRIS, ROVR, SANR, ZEN8, SALO, PANI, POPM, VOBA, BDI, VVC, MAGA, DOSS, ASOL, SFI, and SFO.

Table with columns for station name, frequency, power, and other technical details. Includes stations like CGRP, MAIM, CRMI, CTLE, MTLO, ASQU, PANI, VARN, BOB, PLMA, CPGN, MSA, CSNT, CAE, and PARC.

Table with columns for station name, frequency, power, and other technical details. Includes stations like PARC, POLC, SSP9, AGOR, BADI, KOSI, CARE, ATMC, MLNI, APPI, FSSB, CAFI, PIEI, ATPC, ATPI, MPAG, ATBU, BRMO, ATVO, STAL, and GROG.





Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like KHC, HAU, VIVF, THEF, STON, ZST, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like NOA, FINES, TORD, MKAR, SCHK, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like PCIG, CCIG, TGIG, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like VCR, CRZI, GPSZ, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like DDA, ISCB, ISK, etc.

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

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

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like PRK, ARMT, ARMT, etc.

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

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

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

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

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like I46RU, ZALV, ZALV, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like MKR3, MKR3, MKR3, etc.

22d 11h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residuals. Includes stations like PALK, WSAR Wadi Sarin, MKAR Makanchi Array, etc.

IDC 22 10:09:55.6:3.4, 2.77N-95.69E, h0km, mb3.5/3, mb1 3.8/4, mb1mx3.4/6.5, mbtmp3.6/4, ML4.3/1, MS3.3/1, Ms1 3.3/1, ms1mx2.4/5.9, Error ellipse: s-maj=131.6km s-min=27.3km az=61.0, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residuals. Includes stations like CMAR Chiang Mai Arr, AAK Ala-Arch, WRA Warramunga Arr, etc.

ISJCJB 22 10:17:47.3:0.9, 1.4N:0.1:95.59E:0.08, h35km, mb3.9/8, Error ellipse: s-maj=11.8km az=6.9, IDC 22 10:18:06.2:3.8, 2.20N, 96.90E, h154km, 29km, mb3.4/8, mb1 3.5/10, mb1mx3.2/6.5, mbtmp3.8/10, Error ellipse: s-maj=57.2km s-min=12.8km az=57.0

ISC 22 10:17:49.2:1.1, 1.5N:0.1:95.6E:0.1, h35km, n17, 0541/12, mb3.9/8, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residuals. Includes stations like PSI Prapat, CMAR Chiang Mai Arr, H08S2 Diego Garcia H, etc.

IDC 22 10:28:53.9:3.8, 53.34N-90.43E, h0km, mb1 3.0/3, mb1mx2.9/7.0, mbtmp3.0/7.3, ML2.6/3, Error ellipse: s-maj=36.5km s-min=24.4km az=54.0, Southwestern Siberia

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

IASPEI 22 10:34:43.9:0.8, 23.21N:0.01:121.01E:0.02, h10km, 5km, Error ellipse: s-maj=2.5km s-min=2.0km az=119.1, GTS selection from ISC bulletin GTS identified by Bond 'j' and McLaughlin (2009) selection criteria Bond 'j' and McLaughlin. A new ground truth data set for seismic studies, <i>Seism. Res. Lett.</i>, <b>80</b></b>, 465-472, 2009

JMA 22 10:34:43.0:0.1, 23.22N:121.00E, h0km, M3.9, ISJCJB 22 10:34:44.0:2.3, 23.19N:0.01:121.04E:0.01, h9km, 2.1km, Error ellipse: s-maj=2.1km s-min=1.8km az=135.1, TAP 22 10:34:44.0:2.3, 23.20N:121.01E, h7km, ML3.5, B, ISC 22 10:34:44.0:0.8, 23.21N:0.01:121.01E:0.01, h9km, 5km, n106, 0668/151, 19C-9D, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residuals. Includes stations like ELDTW Lidau, FULB Fuli, TWF1 Yuli, YULB Yuli, CHKT Chengkung, etc.

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Table with columns: WTP, Ta-pu, Time, Residuals. Includes stations like WTP, TWG, TWG, TWGBT, SLGT, etc.

Table with columns: HEN, HDGT, NNSB, NNHS, NNS, LAY, TWK1, TWKBT, TSEB, NMLH, PHUB, PHUB, ENA, PNG, PNG, NANS, NSTT, LIOB, ENAH, VCHM, YHNB, NSK, ENTT, TWC, TWE, NWLW, WLTB, EOS1, NCUH, NTC, TATO, TIPB, TWS1, NWF, WFSB, YM04, YM10, YM11, YM03, YM07, YM08, JYNG, JYNG, JWUC, JKRS, MATB, JIJ, JIJ, JISG, JISG, TARA, JIJ, JIJ, etc.

IDC 22 10:35:21.7:2.0, 35.15N:141.163E, h0km, mb3.5/2, mb1 3.6/4, mb1mx3.3/7.0, mbtmp3.4/4, ML3.3/2, Error ellipse: s-maj=59.4km s-min=28.5km az=74.0, ISJCJB 22 10:35:23.0:1.1, 35.17N:141.07:141.7E:0.1, h27km, mb3.6/2, Error ellipse: s-maj=12.2km s-min=9.8km az=15.9, JMA 22 10:35:24.9:0.2, 35.18N:141.159E, h36km, 2km, M2.8, ISC 22 10:35:25.1:1.4, 35.24N:141.52E:0.10, h27km, n12, 1540/15, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residuals. Includes stations like CHOJ Chosi, BSO1 Boso 1, BSO3 Boso 3, BSO4 Boso 4, JCN Nagara, JYT Yasato, JHO Hitachi, MJAR Matushiro Arr, MAT Matushiro, ASAJ Asahikawa, WRA Warramunga Arr, ASAR Alice Springs, etc.

NEIC 22 10:36:40.8:0.0, 15.48N:95.86W, h1km, MD4.1 (MEX), After MEX, MEX 22 10:36:41.5:0.8, 15.50N:95.86W, h5km, MD3.9, Near coast of Oaxaca

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residuals. Includes stations like HUIG Huatulo, HUIG Huatulo, HUIG Huatulo, PANG Puerto Angel, VHO Vista Hermosa, VHO Vista Hermosa, PNIG Pinotepa, PNIG Pinotepa, PNIG Pinotepa, PCIG Pinotepa, etc.

ISJCJB 22 11:06:39.5:0.3, 4.55S:103.133:99E:0.04, h21km, mb4.6/24, MS3.5/10, Error ellipse: s-maj=6.2km s-min=4.1km az=157.4, NEIC 22 11:06:41.0:4.2, 4.46S: 134.00E, h18km, 27km, mb4.5/11, Error ellipse: s-maj=11.7km s-min=7.4km az=215.0, BUJ 22 11:06:41.3:7.4, 84S:134.02E, h37km, mb4.8/16, mb4.9/7, Ms4.8/3, Ms7.4/6/3, DJA 22 11:06:43.0:0.8, 4.5S:133.4E:1, h38km, 14km, M4.5/6,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KMP1 Kaimana, FAKI Fak Fak, RAKI Ransiki, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PE1A Keskina Array, BR101 Keskina Array, SNAAS Sanas, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like IDC 22 11:17:19.4, etc.



Table with columns: Station Name, Azimuth, Elevation, SNR, and other technical data for various stations like IM3, BVAR, AFI, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other technical data for various stations like SERM, GAZZ, SBPO, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other technical data for various stations like POPM, PTF, MAGA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other technical data for stations like T0822, RAVA, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other technical data for stations like ZOVE, ADRI, IMOL, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other technical data for stations like CAE, FAU, POLC, etc.







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

ISCJB 22 14:23:13.6:0.4, 59.58N:0102.2460E:0.04, h0km, Error ellipse: s-maj=3.5km s-min=3.3km az=0.4

UPP 22 14:23:14.9, 59.68N:24.66E, h0km, ML1.5, Suspected Mining explosion.

CSEM 22 14:23:14.7:0.2, 59.58N:24.67E, h2km, ML1.6, Error ellipse: s-maj=4.9km s-min=4.1km az=138.0, Mining explosion.

HEL 22 14:23:15.1:0.1, 59.56N:24.55E, h0km, ML1.8, Explosion IDC 22 14:23:17.5:2.0, 59.68N:24.59E, h0km, mbl 3.1/3, mbl1mx2.9/62, mbmp3.1/3, ML2.7/3, Error ellipse:

Main table for 22 Jan 14h with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ARBE, MTSE, PVF, VCR, etc.

ISCJB 22 14:26:05.0:0.7, 10.56N:0106.8657W:0.05, h23km, mb3.5/6, Error ellipse: s-maj=10.9km s-min=4.5km az=39.7

IDC 22 14:26:05.3:1.2, 11.05N:86.20W, h0km, mb3.6/6, mbl 4.0/7, mbl1mx3.7/44, mbmp3.6/7, ML3.6/1, Error ellipse: s-maj=59.4km s-min=20.1km az=42.0

UCR 22 14:26:05.2:1.9, 10.59N:86.58W, h9km, mbl6km, MD4.4, ML3.5

ISC 22 14:26:07.1:0.8, 10.63N:0107.8648W:0.07, h23km, n34, c:015/33, mb3.6/6, 1C-12, Off coast of Costa Rica

Table for 22 Jan 14h with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CRZ, GSP2, CONN, etc.

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

UCR 22 14:31:10.4:2.6, 10.55N:86.55W, h6km, 12km, MD4.3, ML4.0

IDC 22 14:31:10.9:0.9, 11.48N:85.67W, h0km, mb3.7/6, mbl 4.1/7, mbl1mx3.7/43, mbmp3.7/7, ML3.3/6, mbl 3.3/6, mbl1mx2.9/47, Error ellipse: s-maj=52.8km s-min=19.7km az=58.0

ISC 22 14:31:11.2:1.1, 11.58N:0106.8647W:0.07, h17km, n11km, n40, c:154/42, mb3.7/6, MS3.4/6, 4C, Off coast of Costa Rica

Main table for 2017 MAY with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VCR, CRZI, GSP2, etc.

IDC 22 14:38:04.5:16.0, 19.11S:178.73W, h677km, 156km, mb3.0/4, mbl 3.2/5, mbl1mx2.7/43, mbmp4.2/5, Error ellipse: s-maj=140.8km s-min=93.2km az=89.0, Fiji Islands region

Table for 2017 MAY with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM, STKA, WRA, etc.

IASPEI 22 14:40:39.8:0.8, 34.16N:101.03:118.35W:0.02, h16km, 4km, Error ellipse: s-maj=4.0km s-min=3.5km az=13.2, G75 selection from ISC bulletin G75 identified by Bond 'r and McLaughlin (2009) selection criteria Bond 'r and McLaughlin, A new ground truth data set for seismic studies, <i>Seism. Res. Let.</i>, <b>80</b>, 465-472, 2009

ISCJB 22 14:40:40.1:0.4, 34.15N:101.02:118.36W:0.02, h12km, 2km, Error ellipse: s-maj=3.6km s-min=3.0km az=29.4

NEIC 22 14:40:40.5:0.0, 34.17N:118.36W, h14km, ML2.6(PAS), After PAS.

NEIC Fell [III] at North Hollywood, Sherman Oaks, Studio City, Valley Village and Van Nuys; [II] at Burbank, Glendale and La Crescenta. Also felt at La Canada Flintridge, Los Angeles, Montrose, North Hills, Sun Valley and Sylmar.

ISC 22 14:40:40.0:0.0, 34.16N:101.02:118.36W:0.02, h16km, 4km, n28, c:067/46, 3C-2D, Southern California

Table for 2017 MAY with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HLCC, GRIC, DECC, etc.

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

ISCJB 22 14:41:30.8:0.7, 18.68N:146.166E:0.2, h64km, mb3.6/11, Error ellipse: s-maj=24.2km s-min=8.5km az=8.4

IDC 22 14:41:35.4:3.5, 18.58N:146.56E, h94km, 34km, mb3.3/11, mbl 3.5/12, mbl1mx3.4/75, mbmp3.7/12, MS2.8/2, MS1.8/2, mbl1mx2.4/28, Error ellipse: s-maj=27.0km s-min=17.5km az=78.0

ISC 22 14:41:32.6:0.8, 18.70N:0109.1466E:0.2, h64km, n13, c:094/13, mb3.6/11, Mariana Islands

Table for 2017 MAY with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GUMO, DAV, KSRS, etc.

IDC 22 14:47:10.2:2.5, 21.37S:68.58W, h102km, 21km, mb3.8/7, mbl 4.0/11, mbl1mx3.7/40, mbmp4.2/11, MS2.9/1, Ms1.2.9/1, mbl1mx2.5/38, Error ellipse: s-maj=25.6km s-min=17.4km az=88.0

GUC 22 14:47:10.6:0.6, 21.27S:68.98W, h136km, 3km, ML4.2

NEIC 22 14:47:10.1:0.6, 21.40S:68.52W, h102km, 7km, mbl 4.1/1, ML4.2(GUC), Error ellipse: s-maj=12.5km s-min=9.0km az=98.0

ISCJB 22 14:47:11.1:0.4, 21.29S:0103.6886W:0.07, h131km, 4km, mb3.9/7, Error ellipse: s-maj=10.6km s-min=5.1km az=2.5

SJA 22 14:47:11.7:0.9, 21.43S:68.76W, h115km, 61km, ML3.3, MW3.7

ISC 22 14:47:11.2:0.7, 21.28S:0104.6862W:0.08, h116km, 7km, n39, c:155/53, mb4.1/7, 6C-4D, Chile-Bolivia border region

Table for 2017 MAY with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB09, PB01, etc.















Table with columns: IAU ID, Name, RA, Dec, P, M, L, B, S, C, O, X, Y, Z, and other parameters. Includes entries like MJAR Matushiro Arr, YOJ Yanaguni jima, YULB Yuli, etc.

Table with columns: IAU ID, Name, RA, Dec, P, M, L, B, S, C, O, X, Y, Z, and other parameters. Includes entries like KURBB Kurchatov Arra, NRN Naryn, KSH Kashi, etc.

Table with columns: Code, Station Name, RA, Dec, P, M, L, B, S, C, O, X, Y, Z, and other parameters. Includes entries like PD31 Pinedale Array, ESDC, etc.



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

ISC 22 20:02:29.5:3.5, 37.32N; 72.34E, h188km, 27km, mb3.3/11, mb1 3.4/16, mb1mx3.1/73, mbtmp3.9/16, Error ellipse: s-maj=28.1km s-min=18.0km az=0.0

ISC 22 20:02:30.1:0.4, 37.46N; 0.04:72.22E:0.07, h200km, mb3.4/11, Error ellipse: s-maj=8.5km s-min=4.7km az=158.5

NNC 22 20:02:34.2:5.2, 37.70N; 72.01E, h179km, 23km, mb3.0, mp4.0, Error ellipse: s-maj=23.0km s-min=17.5km az=45.0

ISC 22 20:02:30.8:0.7, 37.42N; 0.07:72.27E:0.08, h200km, n32, a1540/37, mb3.5/11, 3C-4D, Tajikistan

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

ISC 22 20:04:16.5:0.9, 32.51N; 47.25E, h23km, 7km, ML2.8 CSEM 22 20:04:20.0:0.3, 32.42N; 47.10E, h20km, ML2.8, Error ellipse: s-maj=3.5km s-min=6.9km az=159.0

TEH 22 20:04:18.4, 32.52N; 47.23E, h16km, ML2.8, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Katar-mosalmal, IKFM, SHGR, etc.

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

ISC 22 20:09:38.5:0.3, 30.16N; 0.03:139.68E:0.07, h200km, mb3.7/24, Error ellipse: s-maj=7.7km s-min=3.8km az=164.1

JMA 22 20:09:38.5:0.2, 30.14N; 140.00E, h258km, 4km, M4.1 IDC 22 20:09:40.5:1.1, 30.21N; 139.72E, h209km, 11km, mb3.4/19, mb1 3.6/25, mb1mx3.4/68, mbtmp4.0/25, Error ellipse: s-maj=20.5km s-min=8.9km az=80.0

NEIC 22 20:09:41.1, 3.1, 62.33N; 139.77E, h216km, 14km, mb4.3/7, Error ellipse: s-maj=52.6km s-min=12.6km az=130.0

ISC 22 20:09:39.4:0.5, 30.14N; 140.05:139.79E:0.09, h200km, n62, a175/70, mb3.8/24, Southeast of Henshu

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

ISC 22 20:30:04.8:0.3, 23.88N; 0.02:122.00E:0.02, h24km, 3km, Error ellipse: s-maj=3.3km s-min=2.0km az=36.4

JMA 22 20:30:04.4:0.1, 23.88N; 121.99E, h15km, 3km, M2.4 TAP 22 20:30:04.7, 23.91N; 121.94E, h25km, ML2.6, O

ISC 22 20:30:04.8:1.0, 23.89N; 0.02:121.97E:0.02, h27km, 9km, n64, a064/11, Taiwan

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

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



22d 21h

Table with columns: TWG, Pinlang, 1.34 218 eP, Pn, 20 30 28.0 +0.2, etc.

ISN 22 20:31:31.6:1.2.32'66N-47'33E, h15km, ML2.7
CSEM 22 20:31:31.6:32'66N-47'33E, h15km, ML2.7
TEH 22 20:31:33.8:32'66N-47'29E, h9km, ML2.7, Iran-Iraq border region

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

ISK 22 20:32:22.9, 38'39N-39'03E, h7km, ML2.3/6
ISCJB 22 20:32:23.4:0.6, 38'38N-03'39E, h6km, 5km, Error ellipse: s-maj=5.2km s-min=4.2km az=17.0
CSEM 22 20:32:23.2:0.1, 38'41N-39'01E, h10km, ML2.6, Error ellipse: s-maj=3.5km s-min=2.8km az=14.0
DDA 22 20:32:23.4, 38'40N-39'01E, h13km, ML2.6
ISC 22 20:32:23.5:0.8, 38'40N-03'39E, h13km, 5km, n25, c054/41, Turkey

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

ISCJB 22 20:35:14.8:1.4, 33'92S-0'06E-72'0W:0.1, h52km, 18km, Error ellipse: s-maj=16.1km s-min=7.9km az=28.1
GUC 22 20:35:16.1:0.6, 33'98S-71'79W, h46km, 5km, ML3.3
SJA 22 20:35:42.3:0.5, 32'43S-69'97W, h69km, 10km, ML2.1, MW3.2
ISC 22 20:35:14.2:4.4, 33'87S-0'08E-72'1W:0.1, h45km, 32km, n12, c1562/17, 4C, Off coast of central Chile

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

2012 MAY

Table with columns: FCH, comp=N, 673nm, 0.1s, IAML, 20 35 60.0, etc.

IDC 22 20:38:27.3:1.5, 0'71N-122'26E, h0km, mb3.4/3, mb1 3.7/4, mb1mx3.3/59, mbtmp3.5/4, ML3.6/1, MS3.1/1, Ms1 3.1/1, ms1mx2.3/38, Error ellipse: s-maj=135.4km s-min=22.5km az=64.0
ISCJB 22 20:38:48.8:0.7, 0'24N-0'08E-121'73E:0.05, h216km, 5km, mb3.3/3, Error ellipse: s-maj=13.3km s-min=8.8km az=174.4
DJA 22 20:38:50.7:0.7, 0'N-4'12'E, h198km, 6km, M3.0/6, MLV3.0/6
ISC 22 20:38:50.1:0.0, 24N-0'09E-121'73E:0.06, h209km, 8km, n12, c0511/17, mb3.2/3, Minahasa Peninsula, Sulawesi

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

IDC 22 20:54:10.6:4.3, 2'88S-141'20E, h0km, mb3.4/3, mb1 3.7/4, mb1mx3.3/47, mbtmp3.5/4, ML3.6/1, Error ellipse: s-maj=133.6km s-min=32.1km az=93.0
ISCJB 22 20:54:17.8:0.7, 2'91S-0'06E-140'24E:0.06, h33km, mb3.2/2, Error ellipse: s-maj=9.8km s-min=6.1km az=137.4
DJA 22 20:54:17.8:0.5, 3'S-6'14'E, h22km, 6km, M4.2/4, MLV4.2/4
ISC 22 20:54:18.5:1.1, 2'90S-0'07E-140'29E:0.06, h35km, n8, c124/11, Near north coast of Irian Jaya

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

ISCJB 22 20:56:58.7:0.5, 24'41N-0'05E-122'81E:0.02, h78km, 6km, Error ellipse: s-maj=9.1km s-min=2.9km az=177.6
JMA 22 20:56:58.6:0.1, 24'37N-122'79E, h82km, 1km, M1.5
TAP 22 20:56:59.9, 24'33N-122'77E, h68km, 1km, ML2.7, 7C
ISC 22 20:56:59.2:1.4, 24'41N-0'07E-122'80E:0.03, h76km, 8km, n39, c0971/64, Taiwan region

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

1430

Table with columns: JISG, Shilin, 1.39 245 eP, S, Sn, 20 57 39.9 +0.8, etc.

GUC 22 20:57:22.1:2.2, 20'69S-70'05W, h13km, 24km, ML3.6, 9C-5D, Near coast of northern Chile

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

ISK 22 21:32:18.4, 40'83N-35'93E, h5km, ML2.3/6
DDA 22 21:32:18.8, 40'82N-35'99E, h7km, M1.5
ISCJB 22 21:32:19.1:0.5, 40'83N-03'35E:0.05, h4km, 8km, Error ellipse: s-maj=6.7km s-min=3.8km az=147.5
CSEM 22 21:32:19.3:0.2, 40'84N-35'92E, h10km, ML2.3, Error ellipse: s-maj=4.1km s-min=3.4km az=71.0
ISC 22 21:32:18.9:1.0, 40'83N-02'35E:0.03, h7km, 10km, n32, c121/50, Turkey

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

GUC 22 21:52:58.2:0.7, 21'16S-69'02W, h125km, 4km, ML3.5, 8C, Northern Chile

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

RSNC 22 22:29:15.1-0.9, 2.54N-79.55W, h4km, 2.2km, ML3.1, Mw3.8, 1C, South of Panama

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

GUC 22 22:38:21.9-0.7, 18.43S-69.50W, h122km, 4km, ML3.5, 3C-4D, Northern Chile

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

ISCJB 22 22:41:22.0-1.4, 0.9N-102.91E-0.1, h10km, mb3.5/4, MS3.5/1, Error ellipse: s-maj=27.5km s-min=14.2km az=18.1

ISC 22 22:41:22.8-2.0, 0.92N-91.88E, h0km, mb3.5/4, mb1 3.8/7, mb1 mx3.4/66, mbtmp3.6/7, ML3.8/3, MS3.3/2, Ms1 3.3/2, ms1 mx2.6/53, Error ellipse: s-maj=50.1km s-min=26.6km az=30.0

ISC 22 22:41:23.9-1.5, 0.9N-102.91E-0.1, h10km, n12, -0.635/6, mb3.6/3, North Indian Ocean

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PSI Prapat, PSI Prapat, PALK Pallekele, etc.

NIED 22 22:41:00.36-5.0N, 141.00E, h38km, Mw3.5, Best double couple: M2-20000-1014 NP1.3=212.00000, B32.00000, 1.05.00000, NP2.3=16.00000, 8.66.00000, 1.83.00000

ISC 22 22:41:50.2-2.1, 36.52N-141.36E, h0km, mb3.7/3, mb1 3.8/3, mb1 mx3.3/66, mbtmp3.7/3, ML3.4/1, MS2.2/1, Ms1 2.2/1, ms1 mx2.0/57, Error ellipse: s-maj=45.5km s-min=30.8km az=52.0

ISCJB 22 22:41:55.3-1.5, 36.44N-107.141E-0.1, h43km, 10km, mb3.6/3, Error ellipse: s-maj=16.9km s-min=9.8km az=30.4

JMA 22 22:41:56.9-0.1, 36.48N-141.04E, h45km, 11km, M3.6, JMA Feil J1

ISC 22 22:41:54.8-2.4, 36.43N-108.141E-0.1, h26km, 13km, n10, -0.693/16, mb3.6/3, Near east coast of eastern Honshu

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JHO Iwakimizuishiy, ONAJ ONAJ, JYT Yasato, etc.

ISCJB 22 22:50:01.0-0.5, 3.13N-108.87E-0.07, h10km, mb4.0/16, Error ellipse: s-maj=12.3km s-min=8.9km az=32.6

ISC 22 22:50:01.3-0.8, 3.09N-87.78E, h0km, mb3.8/13, mb1 3.9/15, mb1 mx3.7/65, mbtmp3.8/15, ML3.8/1, MS3.1/1, Ms1 3.4/1, ms1 mx2.5/64, Error ellipse: s-maj=25.1km s-min=18.2km az=47.0

NEIC 22 22:50:02.6-0.3, 3.11N-87.83E, h10km, mb4.4/5, Error ellipse: s-maj=9.8km s-min=6.2km az=27.0

ISC 22 22:50:02.6-0.7, 3.11N-101.8783E-0.09, h10km, n35, -0.678/32, mb3.9/16, North Indian Ocean

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PALK Pallekele, PALK Pallekele, LHMH Lhok Sumawe, etc.

ISCJB 22 22:50:18.3-1.7, 2.46S-108.179E-0.3, h507km, mb3.9/6, Error ellipse: s-maj=110.5km s-min=24.2km az=163.6

ISC 22 22:50:20.6-2.4, 2.47S-170.86E, h26km, mb3.6/6, mb1 3.6/6, mb1 mx3.4/46, mbtmp3.6/6, Error ellipse: s-maj=48.3km s-min=46.0km az=40.0

ISC 22 22:50:18.1-1.3, 24.8S-104.179E-0.2, h507km, n9, -0.671/9, mb4.0/6, South of Fiji Islands

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

NIED 22 23:06:00.39-4.0N, 143.40E, h17km, Mw3.5, Best double couple: M2-24000-1014 NP1.3=199.00000, B32.00000, 1.95.00000, NP2.3=12.00000, 8.51.00000, 1.86.00000

ISCJB 22 23:06:23.7-1.0, 39.39N-107.143E-0.09, h11km, n16, -1.827/19, mb3.5/4, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MIY Miyakoganagasawa, MJTH Tanohata, JTH Ofunato, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JNBK Matsuhiro Arr, MJAR Matsuhiro Arr, etc.

ISCJB 22 23:07:22.8-0.7, 1.1N-101.191E-0.08, h10km, mb4.0/16, MS3.3/3, Error ellipse: s-maj=17.1km s-min=10.1km az=22.7

ISC 22 23:07:23.3-1.2, 1.07N-91.70E, h0km, mb3.9/12, mb1 4.1/15, mb1 mx3.7/70, mbtmp3.9/15, ML3.8/3, MS3.1/5, Ms1 3.2/5, ms1 mx2.7/64, Error ellipse: s-maj=35.3km s-min=20.9km az=22.0

NEIC 22 23:07:24.6-0.5, 1.06N-91.64E, h10km, mb4.1/5, Error ellipse: s-maj=13.4km s-min=7.5km az=204.0

ISC 22 23:07:24.6-1.0, 1.1N-102.9187E-0.09, h10km, n29, -0.132/25, mb4.0/16, MS3.3/3, North Indian Ocean

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PSI Prapat, PSI Prapat, PALK Pallekele, etc.

CSEM 22 23:08:21.7-0.2, 38.62N-143.38E, h15km, ML2.5, Error ellipse: s-maj=6.8km s-min=3.8km az=93.0

ISK 22 23:08:21.3, 38.61N-143.28E, h4km, ML2.0/5, DDA 22 23:08:21.4, 38.59N-143.42E, h20km, M12.5

ISCJB 22 23:08:22.1-0.5, 38.62N-103.43E-0.05, h14km, 3km, Error ellipse: s-maj=6.2km s-min=4.3km az=8.4

ISC 22 23:08:21.5-0.9, 38.61N-102.43E-0.1, h18km, 3km, n25, -0.584/41, Turkey

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

DDA 22 23:30:51.6, 41.26N-44.03E, h7km, ML2.6, TIF 22 23:30:51.9, 41.21N-44.13E, h14km, 2km

ISCJB 22 23:30:52.0-0.6, 41.25N-44.03E-0.03, h11km, 5km, Error ellipse: s-maj=5.4km s-min=3.1km az=44.6

CSEM 22 23:30:52.0-0.2, 41.26N-44.01E, h2km, ML2.0, Error ellipse: s-maj=4.6km s-min=2.6km az=140.0

ISC 22 23:30:52.1-0.1, 41.27N-44.03E-0.02, h10km, 9km, n26, -0.606/48, Western Caucasus

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

Table with columns: BGD, Bogdanovka, 0.30 269, P, Pb, 23 30 59.8 -0.1, OKC, Ostrava-Krasne, 0.32 234, Pg, Pg, 00 29 15.6 +0.8, STKA, comp=Z,9.0nm,0.6s, pmax, pmax

ISCJB 22 23:32:29.0,0.6, 18.02N,0.07E,145.6E,0.2, h200km, mb3.5/2, Error ellipse: s-maj=27.5km s-min=8.7km az=6.9

IDC 22 23:32:29.1,2.1, 18.04N,145.62E, h185km,21km, mb3.4/12, mb1 3.7/13, mb1mx3.4/62, mbtmp3.9/13, Error ellipse: s-maj=24.7km s-min=13.0km az=105.0

ISC 22 23:32:30.4,0.7, 17.98N,0.09E,145.6E,0.2, h200km, n13, #092/14, mb3.6/12, Mariana Islands

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

MEX 22 23:36:18.3,0.4, 16.30N,98.28W, h1 km, 5km, MD3.7, Near coast of Guerrero

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

ISCJB 22 23:47:07.5,1.1, 5.74S,0.09E,129.1E,0.1, h264km, mb3.1/2, Error ellipse: s-maj=16.7km s-min=11.4km az=15.8

IDC 22 23:47:09.1,5.8, 5.80S, 128.96E, h259km, 61km, mb2.9/2, mb1 3.4/6, mb1mx3.0/51, mbtmp4.0/9, Error ellipse: s-maj=56.7km s-min=20.7km az=5.0

ISC 22 23:47:09.8,1.4, 5.8S,0.1E,128.9E,0.1, h264km, n6, #152/9, Banda Sea

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

DJA 22 22:08:31.6, 4.1, 6.4S, 9.12E, h10 km, M3.6/5, ML3.6/5, Sulawesi

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

IPEC 23 00:29:08.6, 0.2, 49.93N, 18.66E, h0 km, 2km, ML1.1/3, Error ellipse: s-maj=2.3km s-min=1.1km az=161.0

CSEM 23 00:29:08.0, 0.5, 49.99N, 18.53E, h2km, ML1.9/4, Error ellipse: s-maj=10.7km s-min=4.4km az=8.0

PRU 23 00:28:08.6, 50.03N, 18.55E, h0 km, Poland

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

Table with columns: OKC, Ostrava-Krasne, 0.32 234, Pg, Pg, 00 29 15.6 +0.8, MORC, Moravsky Berou, 0.70 249, ePg, Pg, 00 29 22.7 +0.7, MORC, Ojcow, 0.83 76, ePg, Pg, 00 29 23.7 +0.7, LANS, Liptovska Anna, 1.06 145, ePg, Pg, 00 29 27.7 -1.3, NIE, Niedzica, 1.29 118, ePg, Pg, 00 29 32.7 -0.6, NIE, Niedzica, 1.29 118, ePg, Pg, 00 29 32.7 -0.6, NIE, Niedzica, 1.29 118, ePg, Pg, 00 29 32.7 -0.6, VRAC, Vranov, 1.46 241, ePg, Pg, 00 29 35.7 -0.6, DPC, Dobruska-Polom, 1.47 283, ePg, Pn, 00 29 35.3 -1.1, DPC, Dobruska-Polom, 1.47 283, ePg, Pn, 00 29 35.3 -1.1, YVHS, Vyhne, 1.55 173, ePg, Pn, 00 29 35.9 -1.5, YVHS, Vyhne, 1.55 173, ePg, Pn, 00 29 35.9 -1.5, YVHS, Vyhne, 1.55 173, ePg, Pn, 00 29 35.9 -1.5, KRUC, Moravsky, 1.71 236, ePg, Sn, 00 29 39.6 0.0, STHS, Stebnicka Huta, 1.85 108, ePn, Pn, 00 29 42.4 +0.8, STHS, Stebnicka Huta, 1.85 108, ePn, Pn, 00 29 42.4 +0.8, PRU, Pruhonice, 2.59 271, eSg, Sg, 00 30 29.5 +1.4, PRU, Pruhonice, 2.59 271, eSg, Sg, 00 30 29.5 +1.4, KHC, Kasperske Hory, 3.36 256, eSg, Sg, 00 30 54.2 -2.2, KHC, Kasperske Hory, 3.36 256, eSg, Sg, 00 30 54.2 -2.2

BUI 23 00:39:23.9, 7.03S, 127.74E, h418km, mb4.5/43, mb4.3/25, MOS 23 00:39:26.8, 0.9, 6.69S, 127.44E, h411km, mb4.6/30, Error ellipse: s-maj=11.7km s-min=6.0km az=112.3

ISCJB 23 00:39:27.9, 0.3, 6.74S, 0.03E, 127.46E, 0.03, h427km, 3km, mb4.4/85, Error ellipse: s-maj=4.9km s-min=4.2km az=163.5

NEIC 23 00:39:28.5, 0.3, 6.69S, 127.49E, h416km, 3km, mb4.5/33, Error ellipse: s-maj=4.4km s-min=3.2km az=63

IDC 23 00:39:28.2, 0.8, 6.74S, 127.43E, h411km, 9km, mb4.0/34, mb1.4/37, mb1mx1.0/55, mbtmp4.8/37, Error ellipse: s-maj=9.8km s-min=6.0km az=71.0

DJA 23 00:39:28.7, 0.2, 7.5S, 127.7E, h420km, 4km, M4.5/28, mb4.7/28, mb4.9/15, MLV5.2/18, Mw(mb)4.1/15

ISC 23 00:39:28.2, 0.5, 6.73S, 0.04E, 127.49E, 0.05, h415km, 5km, n237, #1543/270, mb4.5/85, 11-CD, Banda Sea

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

Table with columns: PSI, Prapat, 30.05 287, P, P, 00 45 00.8 -1.0, PSI, Prapat, 30.05 287, eP, P, 00 45 00.8 -1.0, PSI, Prapat, 30.05 287, eP, P, 00 45 00.8 -1.0, ARMA, Armidale, 32.69 139, eP, P, 00 45 26.1 +1.8, CHAI, Chaiphaphum, 33.82 312, P, P, 00 45 36.2 +2.2, CAN, Canberra, 34.65 148, eP, P, 00 45 41.9 +1.0, CAN, Canberra, 34.65 148, eP, P, 00 45 41.9 +1.0, PHIT, Phitsanulok, 35.79 312, P, P, 00 45 52.9 +2.3, CM01, Chiang Mai Arr, 37.64 312, eP, P, 00 46 05.9 -0.1, CM01, Chiang Mai Arr, 37.64 312, eP, P, 00 46 05.9 -0.1, CMAR, comp=Z,3.3nm,0.7s,baz=173,slow=3.2,SNR=9.2, 40.65 336, eP, P, 00 46 15.1 +1.5, CMAR, comp=Z,0.6nm,0.3s,baz=154,slow=3.9,SNR=4.4, 40.65 336, eP, P, 00 46 15.1 +1.5, CMAR, comp=Z,5.0nm,0.6s, 37.90 313, P, P, 00 46 08.2 +0.1, CHTO, Chiang Mai, 37.90 313, P, P, 00 46 08.2 +0.1, CHTO, Chiang Mai, 37.90 313, eP, P, 00 46 08.2 +0.1, NJ2, Nanjing, 39.44 348, eP, P, 00 46 20.9 +0.4, JNU, Nakatsu, 39.76 4, P, P, 00 46 23.2 +0.1, DZM, Dong Zhumac, 40.54 116, P, P, 00 46 30.6 +0.8, ENH, Enshi, 40.65 336, eP, P, 00 46 29.9 -0.4, TJN, Tiejou, 42.88 360, i/P, P, 00 46 48.7 +0.7, CD2, Chengdu, 43.79 330, P, P, 00 46 55.9 +0.6, KSAR, Wonju Array Be, 43.94 0, P, P, 00 46 57.1 +0.8, KSAR, Wonju Array Be, 43.94 0, P, P, 00 46 57.1 +0.8, KSAR, Wonju Array Be, 43.94 0, P, P, 00 46 57.1 +0.8, KSAR, Wonju Array Be, 43.94 0, P, P, 00 46 57.1 +0.8, KRSR, Korea Array, 43.96 0, P, P, 00 46 57.1 +0.7, KRSR, Korea Array, 43.96 0, P, P, 00 46 57.1 +0.7, KRSR, Korea Array, 43.96 0, P, P, 00 46 57.1 +0.7, KRSR, Korea Array, 43.96 0, P, P, 00 46 57.1 +0.7, KS01, Wonju Array Si, 43.98 0, eP, P, 00 46 57.0 +0.3, XAN, Xi'an, 44.20 338, P, P, 00 46 57.6 -0.9, XAN, Xi'an, 44.20 338, P, P, 00 46 57.6 -0.9, MAJ, Matsuhiro Arr, 44.20 12, P, P, 00 46 57.9 -0.6, MAJ, Matsuhiro, 44.20 12, eP, P, 00 46 57.6 -0.8, MAJ, Matsuhiro, 44.20 12, i/P, P, 00 46 57.7 -0.8, MAJ, Matsuhiro, 44.20 12, P, P, 00 46 57.5 -1.0, MAJ, Matsuhiro, 44.20 12, P, P, 00 46 57.5 -1.0, LZH, Lanzhou, 48.04 334, eP, P, 00 47 28.9 +0.8, LZH, Lanzhou, 48.04 334, eP, P, 00 47 28.9 +0.8, LZH, Lanzhou, 48.04 334, eP, P, 00 47 28.9 +0.8, LZH, Lanzhou, 48.04 334, eP, P, 00 47 28.9 +0.8, PALK, Pallekele, 48.70 286, eP, P, 00 47 31.9 -1.4, PALK, Pallekele, 48.70 286, i/P, P, 00 47 33.3 -0.1, PALK, Pallekele, 48.70 286, i/P, P, 00 47 33.3 -0.1, HHC, Hu-ho-hao-te, 49.56 344, eP, P, 00 47 42.0 +2.6, HHC, Hu-ho-hao-te, 49.56 344, eP, P, 00 47 42.0 +2.6, LSA, Lhasa, 50.31 318, eP, P, 00 47 46.1 +0.5, LSA, Lhasa, 50.31 318, eP, P, 00 47 46.1 +0.5, MSVF, Nonsavu, 50.46 107, i/P, P, 00 47 46.0 -0.4, ERM, Erimo, 50.58 151, eP, P, 00 47 47.6 +0.9, USRK, Ussuriysk Arr, 50.85 4, P, P, 00 47 49.0 +0.3, TEY, Ternei, 52.18 8, eP, P, 00 47 59.4 +1.1, ASAJ, Asahikawa, 52.42 14, P, P, 00 48 00.7 +0.6, ASAJ, Asahikawa, 52.42 14, eP, P, 00 48 00.3 +0.2, JIRN, Jiri, 52.55 312, eP, P, 00 48 01.5 -0.4, GTA, Gaotai, 52.57 333, P, P, 00 48 01.9 +0.4, GTA, Gaotai, 52.57 333, P, P, 00 48 01.9 +0.4, GUN, Gumba, 52.92 313, eP, P, 00 48 04.1 -0.4, RPZ, Rata Peaks, 52.98 141, P, P, 00 48 05.2 +0.9, RPZ, Rata Peaks, 52.98 141, eP, P, 00 48 05.9 +1.6, PKI, Pulchoki, 53.08 312, eP, P, 00 48 05.0 -0.6, PKIN, Pulchoki, 53.09 312, eP, P, 00 48 05.9 +0.3, KKN, Kakin, 53.29 312, eP, P, 00 48 06.6 -0.4, DMN, Daman, 53.32 312, eP, P, 00 48 06.9 -0.4, GKN, Gorkha, 53.68 312, eP, P, 00 48 10.7 -0.5, HYB, Hyderabad, 53.97 297, i/P, P, 00 48 10.5 -1.3, URZ, Urewera, 54.66 133, P, P, 00 48 16.6 +0.2, DANN, Danging, 54.72 312, eP, P, 00 48 16.8 -0.5, YSS, Yuzh-Sakhalins, 55.14 13, eP, P, 00 48 19.4 -0.1, YSS, Yuzh-Sakhalins, 55.14 13, i/P, P, 00 48 19.4 -0.1, PYUN, Pyuthang, 55.16 311, eP, P, 00 48 20.1 -0.2, KLR, Kul'dur, 55.85 3, P, P, 00 48 24.6 +0.2, KLR, Kul'dur, 55.85 3, eP, P, 00 48 24.6 +0.2, KLR, Kul'dur, 55.85 3, eP, P, 00 48 24.6 +0.2, KLR, Kul'dur, 55.85 3, eP, P, 00 48 24.6 +0.2, ULN, Ulanbaatar, 57.28 344, eP, P, 00 48 35.5 +0.9, ULN, Ulanbaatar, 57.28 344, i/P, P, 00 48 35.4 +0.9, ULN, Ulanbaatar, 57.28 344, i/P, P, 00 48 35.4 +0.9, SONM, Songino Array, 57.43 343, P, P, 00 48 36.1 +0.5, SONM, Songino Array, 57.43 343, P, P, 00 48 36.1 +0.5, SONM, Songino Array, 57.43 343, P, P, 00 48 36.1 +0.5, SONM, Songino Array, 57.43 343, P, P, 00 48 36.1 +0.5, SONA1, Songino Array, 57.44 343, eP, P, 00 48 36.2 +0.5, SONA1, Songino Array, 57.44 343, eP, P, 00 48 36.2 +0.5, CASY, Casey, 60.61 188, eP, P, 00 48 57.5 +0.9, ZAK, Zakamensk, 60.63 342, eP, P, 00 48 56.1 -1.1



Table with columns: SMLT, TYC, TYC, TWH, TWH, SBCB, ELDTW, ELDTW, TWQ1, TWQ1, NMLH, NMLH, ALS, ALS, WJS, WJS, WCU, WCU, TCU, WNT, WNT, TWGBT, TWGBT, TWG, TWG, WCHH, WCHH, STYT, STYT, WGK, WGK, WDLH, WDLH, TPUB, TPUB, CHN4, CHN4, CHN4, WTP, WTP, CHN2, CHN2, CHN2, ECL, ECL, SGLT, SGLT, RLNB, RLNB, CHY, CHY, CHY, SGST, SGST, CHN1, CHN1, CHN1, TWK, TWK, LAY, LAY, WTT, WTT, SSC, SSC, SSD, TAW, TAW, EAST, EAST, MASBT, MASBT, MASBT, CHN8, CHN8, TWMT, TWMT, SSPT, SSPT, SCZT, SCZT, SCZT, TSEB, TSEB, TSEB, HEN, HEN, HEN, TWKBT, TWKBT, TWK1, TWK1, TWK1, WDGJ, WDGJ, WDGJ, PHUB, PHUB, PHUB, VWUC, VWUC, VWUC, VCHM, VCHM, VCHM

Table with columns: MATB, KNM, KNM, KNMB, KNMB, JOW, JOW, KSRS, KSRS, SONM, FINES, BRTR, YKA

ISN 23 00:44:53.0, l. 1, 32.52N, 47.04E, h15km, 4km, ML3.0
CSEM 23 00:44:54.8, l. 0, 3, 32.43N, 47.03E, h15km, ML3.0, Error ellipse: s-maj=8.6km s-min=5.6km az=7.0

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

DJA 23 01:01:49.0, l. 1, 5.7N, 7.9E, h122km, 10km, M4.3/6, mb5.3/1, mb4.6/2, MLV4.2/6, Mw(mb)4.7/1

ISC 23 01:01:50.3, l. 0, 7, 5.3N, 10.07E, h150km, mb3.0/4, Error ellipse: s-maj=13.8km s-min=7.2km az=140.2

IDC 23 01:01:51.2, l. 2, 7, 5.32N, 95.59E, h138km, 26km, mb3.6/4, mb1.3/7, mb1mx3.2/72, mbtpm4.1/7, Error ellipse: s-maj=46.9km s-min=17.0km az=54.0

ISC 23 01:01:51.5, l. 0, 9, 3.34N, 108.95E, h101km, n15, i1567/20, mb4.2/4, Northern Sumatara

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

ISCJB 23 01:04:32.2, l. 0, 3, 16.73S, 0.003, 70.91W, 0.03, h17km, 4km, mb4.9/15.8, Error ellipse: s-maj=5.8km s-min=3.8km az=150.8

MOS 23 01:04:34.7, l. 1, 6, 16.64S, 70.75W, h128km, mb4.8/24, Error ellipse: s-maj=10.7km s-min=6.5km az=102.1

IDC 23 01:04:36.0, l. 0, 5, 16.30S, 70.67W, h124km, 3km, mb4.3/27, mb1.4/4/1, mb1mx4.3/49, mbtpm4.7/31, MS3.4/5, MS1.3/4/5, ms1mx2.9/39, Error ellipse: s-maj=13.5km s-min=8.8km az=64.0

GUC 23 01:04:36.0, l. 0, 7, 17.05S, 70.87W, h140km, 6km, ML4.8 NEIC 23 01:04:36.0, l. 0, 0, 16.98S, 71.07W, h110km, mb4.9/121, ML4.8(ARE), After ARE.

NEIC Felt (I) at Moquegua and Torata. ISC 23 01:04:35.2, l. 0, 3, 16.82S, 0.003, 70.80W, 0.05, h126km, 2km, h126km, pp-P, n602, e1959/695, mb4.8/155, 15C-6D,

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

Table with columns: MNMC, LPAZ, LPAZ, LPAZ, LPAZ, LPAZ, PB11, PB11, PB11, PB08, PB08, PB01, PB01, PB07, PB07, PB09, PB09, PB04, PB04, PB10, PB10, NNA, NNA, NNA, NNA, GO02, GO02, SIV, SIV, GO03, GO03, SIV, SIV, SIV, SIV, GO04, GO04, CPUP, CPUP, CPUP, CPUP, PEL, PEL, PEL, PEL, GO05, GO05, OTAV, OTAV, OTAV, OTAV, FLOC, FLOC, GCUF, GCUF, PTGA, PTGA, PTGA, PTGA, PTGA, PTGA, HORO, HORO, YOTC, YOTC, MALC, MALC, ROSC, ROSC, RREF, RREF, PLMC, PLMC, TRQA, TRQA, TRQA, TRQA, RUSC, RUSC, RUSC, RUSC, SPB, SPB, HELC, HELC, PLCA, PLCA, PLCA, PLCA, ZARC, ZARC, SDV, SDV, SDV, SDV, BCIP, BCIP, PCRV, PCRV, GRGR, GRGR, JTS, JTS, SVB, SVB, FDF, FDF, FDF, FDF, GO09, GO09, ICMP, ICMP, CRPR, CRPR, SKI, SKI, SKI, SKI, OBIP, OBIP, SJG, SJG, SJG, SJG, AOPR, AOPR, AGP, AGP, CBYP, CBYP, STVI, STVI

Table with columns: SMRT, St. Maarten, 35.47, 13, eP, P, 01 11 16.1 -3.7, etc. Lists various stations and their performance metrics.

Table with columns: KMCS, Louisville, 52.66, 341, eP, P, 01 14 08.5 +2.7, etc. Lists various stations and their performance metrics.

Table with columns: R46A, Gibon Southern, 56.94, 344, P, P, 01 14 05.7 -1.6, etc. Lists various stations and their performance metrics.



23d 1h

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like 037A Wolven Farm, M, 60.71 340 P, P, 01 14 32.1 -1.3, etc.

2012 MAY

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like ISCO Idaho Springs, 65.00 331 eP, P, 01 15 01.8 -0.4, etc.

1436

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like ORV Oroville, 73.34 321 eP, P, 01 15 26.2 +1.7, etc.



Table with multiple columns containing station names, frequencies, and signal strength/quality indicators. Includes stations like DSD Palaion Diasel, KALE Kalitheia, CEL Celeste, and many others.

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like Keskin Array S, Stebnicka Huta, and various ARCS and TORI stations.

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like Karatay Array, Spitsbergen Ar, and various ATPC and ATBU stations.

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like PIEI, FRON, NARO, and various ATCA and ARVD stations.

CSEM 23 01:52:28.9, 43°42'N, 12°55'E, h10km, ML1.4/34
ROM 23 01:52:28.9-0.0, 43°42'N, 12°55'E, 0.003, h10km, ML1.4/7, 3C-3D, Central Italy

CSEM 23 01:52:51.5, 0.3, 44°85'N, 11°15'E, h15km, ML2.5, Error ellipse: s-maj=7.4km s-min=5.3km az=91.0
ISCJB 23 01:52:52.6, 0.4, 44°87'N, 11°23'E, 0.04, h13km, 3km, Error ellipse: s-maj=4.4km s-min=4.0km az=12.5
ROM 23 01:52:52.1, 0.4, 44°84'N, 11°22'E, 0.03, h15km, 4km, n50, 0.53/61, 3C-3D, Northern Italy

23d 3h

Table of station data for 23d 3h, including station names, coordinates, and various parameters like I/S, Sg, P, and time/responses.

GUC 23 01:57:05.2-0.8,25.84S-70.80W, h24km, 7km, ML3.6, Near coast of northern Chile

Table of station data for GUC 23 01:57:05.2-0.8,25.84S-70.80W, including station names and coordinates.

2012 MAY

Table of station data for 2012 MAY, including station names, coordinates, and parameters like I/S, Sg, P, and time/responses.

NIED 23 02:05:00.39,40N,143.60E, h14km, Mw3.8 Best double couple: Mc6.50000x1014 NP1.9x218.00000, s35.00000, l7.08.00000, NP2.0x16.00000, s57.00000, l7.8.00000, IDC 23 02:05:02.3z, 1.2, 39.23N, 143.50E, h0km, mb3.8/12, mb1 3.9/14, mb1mx3.7/67, mbtmp3.8/14, ML3.1/2, MS3.2/4, Ms1 3.2/4, ms1mx2.6/67, Error ellipse: s-maj=26.1km s-min=23.0km az=156.27

JMA 23 02:05:03.7, 0.2, 39.23N, 143.64E, h27km, 5km, M4.1 ISCJB 23 02:05:05.9, 0.9, 39.39N, 143.55E, h0km, h34km, 7km, s-min=4.8km az=27.8 Error ellipse: s-maj=11.9km

NEIC 23 02:05:05.2, 4.9, 39.28N, 143.44E, h17km, 29km, mb4.6/4, Error ellipse: s-maj=11.2km s-min=9.6km az=157.0

ISC 23 02:05:08.7, 0.9, 39.40N, 143.48E, h10km, 2km, n52, c127/58, mb4.0/15, Off east coast of Honshu

Main table of station data for 2012 MAY, listing station names, coordinates, and various parameters like I/S, Sg, P, and time/responses.

IDC 23 02:45:53.0-1.9, 3.64N-92.90E, h0km, mb3.4/2, mb1 3.9/5, mb1mx3.3/70, mbtmp3.7/5, ML3.9/3, Error ellipse: s-maj=52.0km s-min=25.7km az=40.0, Off west coast of northern Sumatra

Table of station data for IDC 23 02:45:53.0-1.9, 3.64N-92.90E, including station names and coordinates.

1440

Table of station data for 1440, including station names, coordinates, and parameters like I/S, Sg, P, and time/responses.

DDA 23 03:04:17.6, 41.26N, 144.04E, h7km, ML2.8 TIF 23 03:04:17.8, 41.25N, 144.09E, h17km, 1km CSEM 23 03:04:18.4, 40.1, 41.25N, 144.06E, h2km, ML2.7, Error ellipse: s-maj=4.5km s-min=2.4km az=141.0

ISK 23 03:04:18.2, 41.26N, 144.04E, h6km, ML2.6/4 ISC 23 03:04:17.3z, 1.1, 41.28N, 144.04E, h5km, 10km, n47, c92/71, Western Caucasus

Main table of station data for 1440, listing station names, coordinates, and various parameters like I/S, Sg, P, and time/responses.

MEX 23 03:08:41.4, 0.7, 16.20N, 98.13W, h5km, MD4.0, Near coast of Guerrero

Table of station data for MEX 23 03:08:41.4, 0.7, 16.20N, 98.13W, including station names and coordinates.





23d 5h

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res. Rows include AYDB, FETY, FETV, FETV.

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res. Rows include WRA, ASAR, JHJ, SONM, MKAR, MKAR, KURBB, BVAR, FINES.

IDC 23 04:01:01.2-1.4, 1.62N-127.60E, h0km, mb4.1/6, mb1 4.2/6, mb1mx3.7/59, mbtmp4.1/6, MS3.0/3, MS1 3.0/3, ms1mx2.6/48, Error ellipse: s-maj=143.9km s-min=18.8km az=59.0, Halmaheer

IDC 23 04:02:19.1-1.5, 3.10N-92.64E, h0km, mb3.9/6, mb1 4.1/9, mb1mx3.7/73, mbtmp4.0/9, ML4.2/3, MS3.2/2, MS1 3.2/2, ms1mx2.5/63, Error ellipse: s-maj=42.4km s-min=22.7km az=40.0

NEIC 23 04:02:20.0-2.0, 6.3.12N-92.68E, h10km, mb4.5/7, Error ellipse: s-maj=14.0km s-min=10.1km az=72.0

ISCJB 23 04:02:22.1-0.7, 3.18N-0.08-92.75E:0.07, h33km, mb4.4/11, MS3.2/1, Error ellipse: s-maj=13.7km s-min=7.4km az=33.3

ISC 23 04:02:23.4-0.7, 3.1N-0.1-92.70E:0.07, h35km, n29, a1547/31, mb4.3/11, Off west coast of northern Sumatara

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res. Rows include GSI, PSI, PSI, PSI, PSI, PSI, CM31, CMAR, MMRI, RER, MK01, MK31, MK32, MKAR, SONA, SONM, WRA, WRA, WB2, KURBB, KURK, ZALV, ZAA1, ABKAR, TIXI, GECC, GERES, SPITS.

ISN 23 04:03:43.3-1.1, 32.90N-47.68E, h18km, mb3.7km, ML2.8 CSEM 23 04:03:46.2-0.2, 32.76N-47.59E, h15km, ML2.7, Error ellipse: s-maj=7.9km s-min=6.0km az=179.0

TEH 23 04:04:44.6, 32.90N-47.69E, h10km, ML2.8, Iran-Iraq border region

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res. Rows include IKFM, SHFR, IKOM, IKOM, KCHF, KCHF, IVIS, IVIS, KHMZ, SNGE, SNGE, NSR, NSR, QAM, QAM, IKLH, IKLH, GHVR, IZEF, IZEF, IRAM, IRAM, RTB, RTB.

ISCJB 23 04:06:42.0-1.3, 2.7N-0.2-89.58E:0.09, h10km, mb3.9/5, Error ellipse: s-maj=32.6km s-min=9.3km az=15.0

IDC 23 04:06:43.4-1.6, 2.73N-89.54E, h0km, mb3.9/5, mb1 3.9/7, mb1mx3.6/71, mbtmp3.9/7, ML3.9/2, MS3.2/1, MS1 3.4/1, ms1mx2.6/63, Error ellipse: s-maj=47.3km s-min=23.7km az=35.0

ISC 23 04:06:43.8-1.4, 2.8N-0.3-89.5E:0.1, h10km, n15, a265/10, mb3.8/5, North Indian Ocean

2017 MAY

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res. Rows include PSI, PALK, PALK, CMAR, H0ES3, H0ES2, H0ES1, H0W13, H0W12, H0W1, MKAR, SONM, KURBB, WRA, BRTR, TXAR.

IDC 23 04:13:43.2-1.3, 3.12N-92.65E, h0km, mb3.8/7, mb1 4.0/10, mb1mx3.7/70, mbtmp3.9/10, ML3.9/3, MS3.4/3, MS1 3.4/3, ms1mx2.7/60, Error ellipse: s-maj=41.9km s-min=19.1km az=48.0

ISCJB 23 04:13:45.9-0.9, 3.20N-0.1-92.6E:0.1, h33km, mb3.8/7, MS3.4/3, Error ellipse: s-maj=21.3km s-min=12.3km az=30.3

ISC 23 04:13:48.0-1.1, 3.2N-0.2-92.76E:0.09, h35km, n13, a1596/11, mb3.8/7, MS3.3/3, Off west coast of northern Sumatara

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res. Rows include PSI, PALK, CMAR, MKAR, SONM, WRA, ASAR, KURBB, ZALV, PKG, BRTR, GERES.

MEX 23 04:33:05.0-0.6, 16.06N-98.33W, h2km, 4km, MD3.9, Near coast of Guerrero

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res. Rows include PNIG, TLIG, VHO, VHO, CAIG, CAIG, HUIG, HUIG.

IDC 23 04:48:40.1-2.5, 22.60S-69.45W, h0km, mb3.3/3, mb1 3.6/4, mb1mx3.4/37, mbtmp3.3/4, ML3.7/1, Error ellipse: s-maj=68.7km s-min=47.3km az=31.0

ISCJB 23 04:48:58.7-0.7, 21.46S:0.03-69.0W:0.1, h128km, 6km, mb3.2/3, Error ellipse: s-maj=18.6km s-min=5.6km az=2.5

ISC 23 04:48:58.4-0.5, 21.48S:68.87W, h120km, 3km, ML3.4 GUC 23 04:48:59.6-1.0, 21.46S:0.04-69.0W:0.1, h121km, 8km, n14, a0552/4, mb3.2/3, 1C-5D, Chile-Bolivia border region

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res. Rows include PB09, PB09, PB01, PB01, PB07, PB07, PB08, PB08, PB06, PB06, PB04, PB04, PB15, PB15, PB11, PB11, PSGC, PSGC, PSGC, PSGC, MNMC, MNMC, MNMC, MNMC, LPAZ, LPAZ, TXAR, TXAR, TORD, TORD, YKA, YKA.

ISCJB 23 04:54:52.0-1.7, 55.9S:0.1-27.7W:0.3, h112km, mb4.0/7, Error ellipse: s-maj=28.4km s-min=11.2km az=158.4

IDC 23 04:54:54.9-6.7, 55.9S:27.73W, h121km, 62km, mb3.7/7, mb1 3.8/8, mb1mx3.3/30, mbtmp4.2/8, Error ellipse: s-maj=27.5km s-min=18.7km az=66.0

ISC 23 04:54:53.7-0.7, 55.9S:0.1-27.7W:0.2, h112km, n14, a0571/14, mb4.1/7, South Sandwich Islands region

1442

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res. Rows include VNA1, VNA3, SNA, SNA, GSPA, CPUP, VNA, LPAZ, DBIC, TORD, APG, YKA, YKA, ILAR, SONM.

SJA 23 05:03:43.2-0.4, 29.26S-69.66W, h110km, 3km, ML2.8, MW3.6, Chile-Argentina border region

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res. Rows include AROD, AROD, LCO, LCO, ACUV, ACUV, AGUA, AGUA, VCA, VCA, VCA.

IDC 23 05:05:21.2-1.1, 4.3670N-142.32E, h0km, mb3.4/4, mb1 3.6/5, mb1mx3.3/63, mbtmp3.4/5, ML3.1/1, MS2.5/2, MS1 2.5/2, ms1mx2.2/35, Error ellipse: s-maj=30.8km s-min=28.9km az=90.0

ISCJB 23 05:05:21.2-1.1, 0.3638N:0.09-142.15E:0.07, h19km, mb3.4/4, Error ellipse: s-maj=12.6km s-min=8.4km az=8.6

JMA 23 05:05:21.2-1.1, 3.3635N:142.06E:0.3367, h33km, MS3.1/1, MS2.5/2, MS1 2.5/2, 0.1, 3.3635N:0.09-142.09E:0.08, h19km, n20, a1541/17, mb3.4/4, Off east coast of Honshu

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res. Rows include ONAJ, JFK, JHO, JMM, JFT, JFT, JFY, JAG, JAG, MJAR, MJAR, MAT, MAT, KRS, KRS, H1N2, H1N1, H1N3, H1N1, H1S3, H1S2, H1S2, SONN, SONN, ILAR, WRA.

ISCJB 23 05:32:45.0-0.3, 6.97S:0.04-35.82E:0.05, h10km, mb4.2/28, MS3.3/10, Error ellipse: s-maj=7.7km s-min=6.3km az=6.6

IDC 23 05:32:45.0-0.5, 7.02S:35.84E, h0km, mb4.2/22, mb1 4.3/25, mb1mx4.2/59, mbtmp4.3/25, ML4.7/3, MS3.5/11, MS1 3.5/11, ms1mx3.1/57, Error ellipse: s-maj=16.8km s-min=11.5km az=101.0

NEIC 23 05:32:46.8-0.2, 7.01S:35.84E, h10km, mb4.4/11, Error ellipse: s-maj=6.4km s-min=4.9km az=92.0

NEIC Felt at Dodoma. ISC 23 05:32:46.5-0.4, 6.96S:0.05-35.95E:0.07, h10km, n70, a1567/71, mb4.3/28, MS3.5/10, 1D, Tanzania

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res. Rows include KMBO, KMBO, KMBO, KMBO, MBAR, MBAR, LSZ, LSZ, OPO, OPO, OPO, OPO, ATD, ATD, ATD, ATD, ATD, LBTB, LBTB, LBTB, TSUM, TSUM, TSUM.



Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like URJ Urewera, RAGZ Rawiri, RIGZ Rimuhau, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, KIP Kipapa, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like GRNR, TIA Tai'an, CN2 Changchun, etc.

Table with columns: ID, Name, Coordinates, Time, Magnitude, etc. Includes entries like H1051 ASCENSION HYDR87.75, ARA0 ACCESS Array S 138.35 348, and many others.

Table with columns: Name, Coordinates, Time, Magnitude, etc. Includes entries like SOKA Soboth, KBA Koinleinspser, MYKA Terra Mystica, and others.

ISCJB 23 06:50:39.1±0.6, 201.185±0.03; 69°21'W; 0.10, h107km, 5km, mb3.2/2, Error ellipse: s-maj=15.3km s-min=5.2km

GUC 23 06:50:39.1±0.6, 201.155±0.03; 69°18'W, h97km, 3km, ML3.7. IDC 23 06:50:41.0±0.3, 20.245±0.68; 88°18'W, h110km, 27km, mb3.2/3, s-maj=43.7km s-min=27.5km az=100.0

ISC 23 06:50:39.6±0.9, 201.175±0.04; 69°18'W±0.09, h96km±7km, n17, s195/27, 3C-3D, Northern Chile

Main data table with columns: Code, Station Name, Δ°, Az°, Phase ID, Time, Res. Includes entries like IPOC Station P, IASPEI 23 06:51:52.9±0.4, and many others.

Table with columns: Station Name, Coordinates, Time, Magnitude, etc. Includes entries like SERM, T0814 Loc. Cortile, T0815 Loc. Veratica, and many others.



ABSI	comp=E,3060µm,0.6s	AML	AML						
ATTE	comp=N,2380µm,0.8s	1.88	153	AML	AML				
ATTE	AVT- Monte Tez comp=E,692µm,0.7s			AML	AML				
PCP	comp=N,722µm,0.7s	1.92	261	AML	AML				
PCP	Piancastagn comp=E,519µm,0.5s			AML	AML				
BAD	comp=N,642µm,0.8s	1.98	46	ePn	Pn	06 52 26.0	+0.2		
BAD	Bernardia	1.98	46	ePn	Pn	06 52 26.0	+0.2		
COLI	Colorado	1.98	501	ePn	Pn	06 52 26.2	+0.4		
COLI	Colorado	1.98	50	ePn	Pn	06 52 26.2	+0.4		
COLI	Villanova	2.01	46	Pn	Pn	06 52 27.1	+0.8		
VINO	Villanova	2.01	46	Pn	Pn	06 52 27.1	+0.8		
VINO	Villanova comp=E,921µm,0.5s	2.01	46	AML	AML				
VINO	comp=N,1054µm,0.7s			AML	AML				
SABO	M.te Sabotino	2.02	56	ePn	Pn	06 52 26.9	+0.5		
SABO	M.te Sabotino	2.02	56	ePn	Pn	06 52 26.9	+0.5		
TUE	Stuetta comp=E,405µm,1.5s	2.05	322	AML	AML				
TUE	comp=N,431µm,0.5s			AML	AML				
ROSI	Roskopf	2.05	4	AML	AML				
ROSI	comp=E,2315µm,0.9s			AML	AML				
SNTG	comp=N,2285µm,0.7s	2.06	142	AML	AML				
SNTG	Esanatoglia comp=E,504µm,0.5s			AML	AML				
MGAB	Montegabbione	2.08	161	AML	AML				
MGAB	comp=N,556µm,0.6s			AML	AML				
MGAB	comp=E,748µm,1.4s			AML	AML				
MGAB	comp=N,838µm,0.5s			AML	AML				
MGAB	comp=E,815µm,1.5s			AML	AML				
ABTA	Abfattersbach	2.08	26	Pn	Pn	06 52 28.9	+1.6		
ABTA	comp=N,834µm,0.4s			Sb	Sb	06 52 55.2	-0.8		
ABTA	comp=N,11nm,0.5s,SNR=31			Sb	Sb	06 52 55.2	-0.8		
ABTA	comp=N,69nm,0.5s			Sg	Sg	06 53 02.1	+2.5		
ABTA	comp=N,129nm,0.5s			Sg	Sg	06 53 02.1	+2.5		
ABTA	Abfattersbach	2.08	26	Pn	Pn	06 52 28.9	+1.6		
ABTA	comp=N,11nm,0.5s,SNR=31			Sb	Sb	06 52 55.2	-0.8		
ABTA	comp=N,69nm,0.5s			Sg	Sg	06 53 02.1	+2.5		
ABTA	comp=N,129nm,0.5s			Sg	Sg	06 53 02.1	+2.5		
SACS	San Casciano d comp=E,328µm,0.7s	2.10	165	AML	AML				
SACS	comp=N,360µm,0.7s			AML	AML				
SKDS	Skadanscina	2.10	71	i Pn	Pn	06 52 27.1	-0.4		
SKDS	Skadanscina	2.10	71	i Pn	Pn	06 52 27.1	-0.4		
CASP	Castiglione de comp=E,154µm,0.9s			AML	AML				
CASP	comp=N,260µm,0.8s			AML	AML				
QLNO	Quiliano	2.11	256	AML	AML				
QLNO	comp=N,363µm,0.7s			AML	AML				
PTCC	Patocco-Chiusa comp=N,796µm,0.5s	2.15	44	AML	AML				
PTCC	comp=E,938µm,0.6s			AML	AML				
DRE	Dranchia	2.15	52	ePn	Pn	06 52 28.7	+0.4		
DRE	Dranchia	2.15	52	ePn	Pn	06 52 28.7	+0.4		
FETA	Feichten	2.16	352	Pn	Pb	06 52 31.2	-0.6		
FETA	comp=E,33nm,0.5s,SNR=75			Sb	Sg	06 53 01.3	-0.9		
FETA	comp=E,26nm,0.5s			Sb	Sg	06 52 31.2	-0.6		
FETA	Feichten	2.16	352	Pn	Pb	06 52 31.2	-0.6		
FINB	Finale Ligure	2.17	252	AML	AML				
FINB	comp=E,1062µm,0.4s			AML	AML				
FINB	comp=N,32µm,0.3s			AML	AML				
AOI	Ancona	2.19	127	AML	AML				
AOI	comp=N,458µm,0.7s			AML	AML				
VOJS	Vojsko	2.22	58	i Pn	Pn	06 52 29.3	+0.1		
VOJS	Vojsko	2.22	58	i Pn	Pn	06 52 29.3	+0.1		
CELB	S.Piero in Cam comp=E,288µm,0.4s	2.25	199	AML	AML				
CELB	comp=N,504µm,0.4s			AML	AML				
JAVS	Javornik	2.26	62	i Pn	Pn	06 52 29.7	-0.1		
JAVS	Javornik	2.26	62	i Pn	Pn	06 52 29.7	-0.1		
FDMO	Fiordimonte	2.30	143	AML	AML				
FDMO	comp=E,515µm,0.6s			AML	AML				
ACOM	Acomizza, Ital comp=N,916µm,0.7s	2.33	44	AML	AML				
ACOM	comp=N,364µm,0.9s			AML	AML				
RORO	Rocca Rossa	2.37	252	AML	AML				
RORO	comp=N,206µm,0.8s			AML	AML				
WTTA	Wattenberg	2.40	7	Pn	Pb	06 52 34.2	-1.6		
WTTA	comp=E,150µm,0.4s			Sb	Sg	06 53 09.7	-0.2		
WTTA	comp=E,3.8nm,0.2s,SNR=31			Sb	Sg	06 53 09.7	-0.2		
WTTA	comp=E,294nm,0.6s			Sb	Sg	06 52 34.2	-1.6		
WTTA	Wattenberg	2.40	7	Pn	Pb	06 52 34.2	-1.6		
WTTA	comp=E,3.8nm,0.2s,SNR=31			Sb	Sg	06 52 34.2	-1.6		
WTTA	Wattenberg	2.40	7	AML	AML				
WTTA	comp=N,1195µm,0.8s			AML	AML				
CEY	Cerknica	2.44	68	ePn	Pn	06 52 31.6	-0.5		
MYKA	Terra Mystica	2.45	44	ePn	Pn	06 52 33.7	+1.4		
MYKA	comp=E,3.9nm,0.4s			Pg	Pg	06 52 39.8	+0.1		
MYKA	comp=E,20nm,0.4s			Sb	Sb	06 53 04.6	-2.0		
MYKA	comp=E,17nm,0.2s			Sg	Sg	06 53 13.3	+1.9		
MYKA	Terra Mystica	2.45	44	Pn	Pn	06 52 33.7	+1.4		
MOTA	Moosalm	2.46	359	ePn	Pb	06 52 35.5	-1.4		
MOTA	comp=E,42nm,0.6s,SNR=35			Pn	Pb	06 52 35.5	-1.4		
MOTA	Moosalm	2.46	359	Pn	Pb	06 52 35.5	-1.4		
WATA	Walderalm	2.47	6	Pn	Pn	06 52 34.6	+1.9		
WATA	comp=E,6.6nm,0.2s,SNR=20			Pn	Pn	06 52 34.6	+1.9		
WATA	Walderalm	2.47	6	Pn	Pn	06 52 34.6	+1.9		
NRCIA	Norcia	2.48	145	AML	AML				
NRCIA	comp=N,274µm,0.6s			AML	AML				
DAVA	Damuse	2.57	340	Pn	Pb	06 52 37.1	-1.6		
DAVA	comp=E,403µm,0.6s			Sb	Sb	06 53 10.2	0.0		
DAVA	comp=E,56nm,0.5s,SNR=36			Sb	Sb	06 52 37.1	-1.6		
DAVA	comp=E,122nm,0.5s			Sb	Sb	06 53 10.2	0.0		
DAVA	Damuels	2.57	340	Pn	Pb	06 52 37.1	-1.6		
DAVA	comp=E,56nm,0.5s,SNR=36			Sb	Sb	06 53 10.2	0.0		
LJU	Ljubljana	2.62	63	ePn	Pn	06 52 35.0	+0.4		
RETA	Reutte	2.62	354	Pn	Pb	06 52 37.6	-1.9		
RETA	comp=E,34nm,0.4s,SNR=27			Pb	Pb	06 52 37.6	-1.9		
RETA	Reutte	2.62	354	Pn	Pb	06 52 37.6	-1.9		
NVLJ	Novalja	2.64	96	ePn	Pn	06 52 34.9	0.0		
NVLJ	comp=E,34nm,0.4s,SNR=27			Sb	Sb	06 53 05.6	-1.1		
KBA	Koelnbreinsper comp=E,2.6nm,0.2s	2.66	34	Pn	Pn	06 52 37.0	+1.6		
KBA	comp=E,41nm,0.4s			Pg	Pg	06 52 43.3	-0.4		
KBA	comp=E,217nm,0.7s			Sg	Sg	06 53 18.6	+0.4		
KBA	Koelnbreinsper	2.66	34	Pn	Pn	06 52 37.0	+1.6		
SAOF	Saorge	2.75	252	P	Pn	06 52 37.8	+1.3		
SAOF	comp=E,2.6nm,0.2s			S	Sn	06 53 11.8	+2.2		

SAOF	Saorge	2.75	252	P	Pn	06 52 37.8	+1.3		
PGF	Pioggiola	2.82	215	ePn	Pn	06 52 38.1	+0.6		
PGF	comp=E,127nm,0.5s,SNR=1.0			eSn	Sn	06 53 10.8	-0.6		
PGF	Pioggiola	2.82	215	ePn	Pn	06 52 38.1	+0.6		
PGF	comp=E,127nm,0.5s,SNR=1.0			eSn	Sn	06 53 10.8	-0.6		
OBKA	Obir	2.86	54	Pn	Pn	06 52 39.2	+1.2		
OBKA	comp=E,63nm,0.5s,SNR=1.0			Sb	Sb	06 53 15.5	-3.0		
OBKA	comp=E,3.8nm,0.2s,SNR=9.2			Sb	Sb	06 53 26.6	+2.0		
OBKA	comp=E,23nm,0.2s			Sg	Sg	06 53 29.2	+1.2		
OBKA	comp=E,53nm,0.4s			Sg	Sg	06 53 15.5	-3.0		
OBKA	Obir	2.86	54	Pn	Pn	06 52 39.2	+1.2		
OBKA	comp=E,3.8nm,0.2s,SNR=9.2			Sb	Sb	06 53 15.5	-3.0		
OBKA	comp=E,23nm,0.2s			Sg	Sg	06 53 26.6	+2.0		
SBF	Sospel	2.88	251	eSn	Sn	06 53 12.9	+0.2		
SBF	comp=E,145nm,0.6s			eSn	Sn	06 53 12.9	+0.2		
SBF	Sospel	2.88	251	eSn	Sn	06 53 12.9	+0.2		
SBF	comp=E,72nm,0.6s			eSn	Sn	06 52 39.9	+1.0		
LUCIF	Luceram	2.93	252	P	Pn	06 52 39.9	+1.0		
LUCIF	comp=E,53nm,0.4s			S	S	06 53 16.4	+2.4		
LUCIF	Luceram	2.93	252	P	Pn	06 53 16.4	+2.4		
ESCA	L'Escarene	2.93	250	P	Pn	06 52 40.7	+1.7		
ESCA	L'Escarene	2.93	250	P	Pn	06 52 40.7	+1.7		
ESCA	L'Escarene	2.93	250	P	Pn	06 52 40.7	+1.7		
OZJL	Ozajl	3.11	75	ePn	Pn	06 52 40.7	+1.7		
SMPL	Sampolo	3.11	207	P	Pn	06 52 43.6	+2.2		
SMPL	Sampolo	3.11	207	P	Pn	06 52 43.6	+2.2		
SMPL	Sampolo	3.11	207	P	Pn	06 52 43.6	+2.2		
SURF	Saint Ours	3.15	264	P	Pn	06 52 43.1	+1.0		
SURF	Saint Ours	3.15	264	P	Pn	06 52 43.1	+1.0		
SURF	Saint Ours	3.15	264	P	Pn	06 52 43.1	+1.0		
MBDF	Mombardon	3.15	269	ePn	Pn	06 52 42.4	+0.4		
MBDF	comp=N,108nm,0.6s,SNR=15			eSn	Sn	06 52 42.4	+0.4		
MBDF	Mombardon	3.15	269	ePn	Pn	06 52 42.4	+0.4		
CRES	Cresnjevič	3.15	71	ePn	Pn	06 52 42.2	+0.3		
LPG	La Plagne	3.20	283	ePn	Pn	06 52 43.4	+0.6		
LPG	comp=N,44nm,0.4s,SNR=1.0			eSn	Sn	06 53 20.5	-0.4		
LPG	La Plagne	3.20	283	ePn	Pn	06 52 43.4	+0.6		
LPG	comp=E,44nm,0.4s,SNR=1.0			eSn	Sn	06 53 20.5	-0.4		
LPL	La Plagne	3.21	283	ePn	Pn	06 52 44.3	+1.3		
LPL	comp=E,22nm,0.4s,SNR=1.0			eSn	Sn	06 52 44.3	+1.3		
LPL	La Plagne	3.21	283	ePn	Pn	06 52 44.3	+1.3		
LPL	comp=E,58nm,0.5s,SNR=1.0			eSn	Sn	06 52 44.3	+1.3		
SOKA	Soboth	3.23	55	ePn	Pn	06 52 44.1	+1.0		
SOKA	comp=E,29nm,0.5s,SNR=1.0			eSn	Sn	06 52 44.1	+1.0		
SOKA	comp=E,11nm,0.3s,SNR=17			eSn	Sn	06 53 23.8	+2.4		
SOKA	Soboth	3.23	55	Pn	Pn	06 52 44.1	+1.0		
SOKA	comp=E,19nm,0.3s			Sg	Sg	06 53 35.4	-1.1		
SOKA	comp=E,45nm,0.7s			Pn	Pn	06 52 44.1	+1.0		
SOKA	Soboth	3.23	55	Pn	Pn	06 52 44.1	+1.0		
SOKA	comp=E,19nm,0.3s			Sn	Sn	06 53 23.8</			





Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Anoyia, Gavdhos, lera Moni Meta, etc.

ISCJB 23:07:57:01.0,0.8,17.8S;02:178.7W;0.2,h50km,mb3.8/6, Error ellipse: s-maj=27.3km s-min=14.2km az=144.1

IDC 23:07:01.7,1.9,17.81S;178.76W;h54km,2.7km,mb3.3/7, mb1.3,4.9,mb1mx3.1/4.9,mbtmp4.2/9, Error ellipse:

s-maj=30.2km s-min=15.6km az=135.0

ISC 23:07:57:02.1,0.9,17.8S;02:178.7W;0.2,h50km,n10, #072/10,mb3.6/6,Fiji Islands region

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

IDC 23:07:59:50.4,1.7,16.30S;173.21W,h0km,mb4.0/3, mb1.4/1.4,mb1mx3.6/5.5,mbtmp3.9/4,ML3.4/1,MS3.2/3, Ms1.3.2/3,ms1mx2.7/2.8, Error ellipse: s-maj=61.1km s-min=26.4km az=123.0, Tonga Islands

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

ISCJB 23:08:00:52.4,0.4,59.16N;03:22:35E;0.04,h0km, Error ellipse: s-maj=4.6km s-min=2.9km az=10.4

HEL 23:08:00:52.9,0.2,59.13N;22:18E,h0km,ML2.0, Explosion IDC 23:08:00:52.7,3.1,59.01N;22:40E,h0km,mb1.2/9.4, mb1mx2.8/6.6,mbtmp2.8/4,ML2.6/4, Error ellipse:

s-maj=41.6km s-min=9.7km az=161.0 CSEM 23:08:00:53.2,0.2,59.16N;22:39E,h1km,ML1.9, Error ellipse: s-maj=5.6km s-min=4.0km az=12.0, Mining explosion.

UPP 23:08:00:55.0,1.6,59.15N;22:08E,h0km,ML1.8 ISC 23:08:00:53.1,0.8,59.15N;04:22:25E;0.03,h0km,n43, #1918/62,Baltic States-Belarus-Northwestern Russia

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

IDC 23:08:13:53.0,0.7,60.67S;52.09W,h0km,mb4.6/10, mb1.4,6/10,mb1mx4.3/3.4,mbtmp4.6/10,MS3.9/13, Ms1.3.9/13,ms1mx3.7/2.6, Error ellipse: s-maj=28.2km s-min=17.1km az=68.0

ISCJB 23:13:54.3,0.4,60.69S;0:06:51.7W;0.2,h10km, mb4.5/19,MS3.9/13, Error ellipse: s-maj=13.0km s-min=7.7km az=154.5

NEIC 23:08:13:55.2,0.3,60.71S;51.85W,h10km,mb4.8/13, Error ellipse: s-maj=13.3km s-min=9.4km az=62.0

ISC 23:08:13:55.4,0.4,60.71S;51.00S;51.7W;0.1,h10km,n86, #307/3,mb4.8/17,MS3.9/13,Scot Sea

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ASCENSION HYDRF58.51, BOSA, etc.

SJA 23:08:27:53.0,0.4,28.81S;70:72W,h80km,4km,ML3.0, MW3.6,Central Chile

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

IDC 23:08:32:29.2,3.4,20.21S;70:68W,h46km,30km,mb3.6/6, mb1.4/0.9,mb1mx3.6/3.8,mbtmp3.9/8,ML3.7,MS3.3/1, Ms1.3.3/1,ms1mx2.7/3.0, Error ellipse: s-maj=33.0km s-min=26.0km az=87.0

SJA 23:08:33:15.9,0.8,21.60S;68:37W,h40km,999km,ML2.5, MW3.2

ISC 23:08:32:35.3,0.8,19.96S;0:07:70W;0.1,h10km,n20, #246/13,mb3.8/5.8,Near coast of northern Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PB10, LPAZ, etc.

23d 9h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Paso Flores, PTGA, JTS, TXAR, NVAR, TORO, YKA, H1S12, H1S11, H1S13, H1N12, H1N11, WRA, MKAR.

SJA 23 08:37:43.9-0.6, 3175S:69.38W, h114km, 3km, ML3.0, MW3.5, San Juan Province

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like RTLS, AUSP, RTOCV, RTLL, ASAL, AMOG, ARCO, AAGR, AROD, ACDD, ACAN.

NNC 23 09:13:33.1-6.8, 37:10N-70:50E, h0km, mb4.1, mpv3.8, 4C-4D, Error ellipse: s-maj=53.1km s-min=37.4km

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like SFK, MNAS, KK31, AB31.

SOME 23 09:17:51.1, 43:65N-83:87E, h0km, MS3.6
IDC 23 09:17:52.0-6.0, 43:71N-83:86E, h0km, mb3.9/17, mb1.4, 1/24, mb1mx3.9/77, mbtmp4.0/24, ML2.6/7, MS3.3/10, Ms1.3/3.10, ms1mx2.9/71, Error ellipse: s-maj=15.4km

BUI 23 09:17:56.4, 43:75N-83:91E, h8km, mb3.9/9, mb4.4/6, ML4.2/11, Ms3.9/3
MOS 23 09:17:58.3, 1.3, 44:01N-83:66E, h29km, mb4.2/14, Error ellipse: s-maj=9.5km s-min=6.6km az=114.1

NCC 23 09:18:01.4, 1.5, 44:03N-83:57E, h30km, mb4.5, mpv4.2, Error ellipse: s-maj=11.7km s-min=6.9km az=120.0
ISC 23 09:17:56.0-0.4, 43:87N-0:04-83:81E, 0:03, h10km, n103, c283/137, mb3.9/19, MS3.3/7, 25C-27D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like KMNS, WMQ, DJR, MK31, MKAR, PDGK, MAZK, SHLS, KAPS, UZB, ZSN.

2012 MAY

Main table with columns: ZSN, f/l/s, Sg, Time, Res, ISC. Lists various stations and their coordinates and times.

1450

Table with columns: S, Sn, Time, Res, ISC. Lists stations and their coordinates and times.

JMA 23 09:26:36.7-0.1, 42:84N-145:56E, h46km, 1km, M2.7
SKHL 23 09:26:37.6-0.3, 42:92N-145:09E, h52km, 7km, mb4.3/3
ISC 23 09:26:37.1-1.8, 42:99N-0:08-145:40E, 0:06, h4km, 11km, n13, c121/23, Hokkaido region



Table with columns: ZEA, Zeya, 42.03 299 eP, P, 09 43 10.8 -1.6, etc. Lists various stations and their coordinates.

Table with columns: KHC, Echery, 71.85 14 eP, P, 09 46 43.5 +0.4, etc. Lists various stations and their coordinates.

Table with columns: TVAN, Van, 0.29 109 P, P, 10 00 58.4 -0.5, etc. Lists various stations and their coordinates.

DDA 23 10:01:45.8,38°75'N,43°42'E,h20km,ML3.5
ISK 23 10:01:45.2,38°75'N,43°33'E,h5km,ML3.3/18
CSEM 23 10:01:46.8,0.1,38°77'N,43°34'E,h2km,ML3.3,Error
ellipse: s-maj=3.4km s-min=2.6km az=131.0
ISC 23 10:01:46.9,0.9,38°77'N,02°43'34E,0.02,h11km,7km,
n78,-i922/96,5C-5D,Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists station codes and names.

IDC 23 09:42:22.2,2.2,40°87'N,145°31'E,h0km,mb3.8/4,
mb1.3/8,6,mb1mx3.4/69,mbtp3.7/6,ML3.0/2,Error
ellipse: s-maj=67.3km s-min=30.2km az=67.0
JMA 23 09:42:25.6,0.2,40°79'N,145°36'E,h65km,4km,ML3.3
ISC 23 09:42:23.7,3.6,40°75'N,0°05:145°25'E,0.07,h6km,23km,
n30,-e232/42,mb3.8/4,Off east coast of Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists station codes and names.

IDC 23 10:00:51.9,38°62'N,43°05'E,h5km,ML2.7/5
JCEM 23 10:00:52.9,0.2,38°61'N,43°08'E,h5km,ML2.7,Error
ellipse: s-maj=5.2km s-min=4.3km az=161.0
DDA 23 10:00:53.0,38°55'N,43°10'E,h7km,ML2.7
ISC 23 10:00:53.2,1.1,38°63'N,02°43'05E,0.02,h3km,10km,
n31,-o94/50,Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists station codes and names.







mb1 4.3/37,mb1mx4.3/48,mbtmp4.6/37,MS3.2/8,  
 Ms1 3.2/8,ms1mx2.8/48,Error ellipse: s-maj=11.8km  
 s-min=7.8km az=68.0  
 ISCJB 23:10:24:05.2,0.2,1.74S:0.02z:77.94W:0.03,1.6h8km,1km,  
 mb4.5/156,Error ellipse: s-maj=5.0km s-min=3.3km az=171.9  
 NEIC 23:10:24:06.7,0.2,1.77S:77.78W,mb4.6/128,ML4.5(GO),  
 Error ellipse: s-maj=5.6km s-min=3.3km az=71.0  
 NEIC Felt at Guayaquil.  
 GGMT 23:10:24:06.7,0.6,1.96S:78.00W,h159km,5km,MW4.8/71,  
 Moment Tensor Solution:  $\mu_1=13, \mu_2=13, \mu_3=71, \mu_4=92$ , Duration:  
 0 Moment tensor:  $M=1016Nm; M_1=0.89; M_2=1.2; M_3=1.2$   
 $M=0.50z:16; M=0.38z:20; M=1.2z:18; M=0.6z:13;$   
 $M=1.3z:10$ ; Best double couple:  $M=2.0550m \times 10^{16}$   
 $NP1=317.00000^\circ, 676.00000^\circ, \lambda=87.00000^\circ$ ; NP2:  
 $\phi=125.00000^\circ, \delta=15.00000^\circ, \lambda=102.00000^\circ$ . Principal axes:  
 T 2.1390, Plg13.0000°, Azm45.0000°; N -0.1690,  
 Plg3.0000°, Azm137.0000°; P -1.9700, Plg59.0000°.  
 Azm232.0000°; nsta1 refers to body waves, cutoff=40s.  
 nsta2 refers to surface waves, cutoff=50s.  
 IG 23:10:24:07.1,0.8,2.2 S:6°7'8"W, h146km,4km,ML4.5/8  
 Moment Tensor Solution:  $\mu_1=13, \mu_2=13, \mu_3=71, \mu_4=92$ , Duration:  
 0 Moment tensor:  $M=1016Nm; M_1=0.89; M_2=1.2; M_3=1.2$   
 $M=0.50z:16; M=0.38z:20; M=1.2z:18; M=0.6z:13;$   
 $M=1.3z:10$ ; Best double couple:  $M=2.0550m \times 10^{16}$   
 $NP1=317.00000^\circ, 676.00000^\circ, \lambda=87.00000^\circ$ ; NP2:  
 $\phi=125.00000^\circ, \delta=15.00000^\circ, \lambda=102.00000^\circ$ . Principal axes:  
 T 2.1390, Plg13.0000°, Azm45.0000°; N -0.1690,  
 Plg3.0000°, Azm137.0000°; P -1.9700, Plg59.0000°.  
 Azm232.0000°; nsta1 refers to body waves, cutoff=40s.  
 nsta2 refers to surface waves, cutoff=50s.  
 ISC 23:10:24:06.0,0.4,1.81S:0.04z:77.89W:0.06,h158km,3km,  
 h158km,P-P,n625,rt133/673,mb4.7/168,7C-4D,

**Ecuador**

Code	Station Name	A°	Z°	Phase ID	ISC	Time	Res
						h m s	ISC
BPAT	Tungurahua Vol	0.62	300	Op	Pn	10 24 28.7	-0.7
BPAT				S	Pn	10 24 28.1	-1.2
BULB	Ulba Tungurahua	0.64	306	P	Pn	10 24 28.5	-0.9
BULB				S	Pn	10 24 45.1	-2.2
ARRY	Arrayan	0.64	298	P	Pn	10 24 28.5	-1.0
BRUN	Tungurahua Vol	0.65	307	P	Pn	10 24 28.6	-0.9
BRUN				S	Pn	10 24 46.0	-1.3
REUT	Refugio	0.66	303	P	Pn	10 24 28.7	-1.0
EMAS	Trigal station	0.66	298	P	Pn	10 24 28.6	-0.9
EMAS				S	Pn	10 24 45.1	-2.1
POND	Pondoa	0.68	305	P	Pn	10 24 28.6	-1.0
BBIL	Ulba Tungurahua	0.70	301	P	Pn	10 24 28.8	-0.9
RIOE1	Riobamba	0.74	275	P	Pn	10 24 29.1	-0.9
IGUA	Igualata	0.81	293	P	Pn	10 24 30.9	+0.1
ANTG	Pisayambo	1.15	344	P	Pn	10 24 35.0	-0.4
BMOR	Cotopaxi Volc	1.22	332	P	Pn	10 24 33.6	-0.4
COV1	Cotopaxi Volc	1.23	338	P	Pn	10 24 34.5	+0.3
BTAM	Cotopaxi Volca	1.24	336	P	Pn	10 24 34.0	-0.2
BVCC	Cotopaxi Volca	1.26	336	P	Pn	10 24 34.3	-0.1
BREF	Cotopaxi Volca	1.26	334	P	Pn	10 24 34.6	+0.1
WC1	Cotopaxi Volc	1.29	342	P	Pn	10 24 34.2	-0.3
BNAS	Cotopaxi Volca	1.28	334	P	Pn	10 24 34.2	-0.3
NASZ	Nasa	1.30	334	P	Pn	10 24 34.5	-0.2
ANTM	Antisana-La Mi	1.31	345	P	Pn	10 24 34.7	-0.2
ANTS	Antisana-Sarah	1.34	348	P	Pn	10 24 35.0	-0.2
ANTG	Antisana-Guama	1.35	344	P	Pn	10 24 35.0	-0.3
PITA	Cotopaxi Volc	1.36	337	P	Pn	10 24 35.0	-0.3
MILO	Milagro-Astуди	1.73	254	P	Pn	10 24 35.5	-3.0
YANA	Yana	1.82	338	P	Pn	10 24 39.3	-0.7
CAYA	Cayambe	1.88	357	P	Pn	10 24 41.0	+0.3
ASDO	Santo Domingo	1.97	321	P	Pn	10 24 43.0	-1.0
AGU	Guayaquil	2.07	263	P	Pn	10 24 38.9	-3.5
IMBA	Imbabura, San	2.10	352	P	Pn	10 24 43.8	+0.6
OTAV	Otavalo	2.11	345	ePn	Pn	10 24 42.5	-0.8
OTAV	Otavalo	2.11	345	ePn	Pn	10 24 42.6	-0.7
OTAV	Otavalo	2.11	345	ePn	Pn	10 24 42.6	-0.8
OTAV	Otavalo	2.11	345	ePn	Pn	10 24 42.5	-0.8
CUIC	Cuicocha-Domo	2.13	343	P	Pn	10 24 43.9	-0.4
YAHU	Yahuarcocha	2.18	355	P	Pn	10 24 44.4	+0.3
URCU	Urcuqui	2.27	351	P	Pn	10 24 45.2	0.0
MAG1	Magdalena	2.56	313	P	Pn	10 24 46.3	-1.9
LITE1	Lita	2.63	350	P	Pn	10 24 49.3	0.0
CMBC	Cumbal	2.82	341	P	Pn	10 24 51.8	+1.1
GCUF	Volcan Galeras	3.07	10	ePn	Pn	10 24 55.8	+0.8
CPAS2	Pasto	3.08	12	ePn	Pn	10 24 55.6	+0.6
CRUC	La Cruz	3.49	16	ePn	Pn	10 25 01.0	+0.8
TRUMC	Tumaco	3.71	347	ePn	Pn	10 25 02.1	-0.6
TUMC				S	Pn	10 25 04.4	-1.5
TUMC	Tumaco	3.71	347	ePn	Pn	10 25 04.1	-1.4
FLOC	Florencia	4.05	34	ePn	Pn	10 25 06.9	-0.2
SOTA	Rioblanco	4.13	18	ePn	Pn	10 25 09.7	+1.1
PCON	Cinco Dias	4.38	20	ePn	Pn	10 25 13.1	+1.2
GRGC	Isla de Gorgon	4.79	357	ePn	Pn	10 25 14.9	-1.9
MARP	Paez Belalcázar	5.01	23	ePn	Pn	10 25 21.0	+1.0
BETC	Betania	5.99	29	ePn	Pn	10 25 22.4	+1.5
ATAH	Atahualpa	5.31	185	P	Pn	10 25 24.1	+0.1
ATAH				S	Pn	10 26 25.3	-2.5
HORO	Saladillo	5.41	14	ePn	Pn	10 25 23.2	-2.0
MALC	Bahia Malaga	5.81	5	ePn	Pn	10 25 29.1	-1.2
YOTC	Yotoco, Valle	5.96	15	ePn	Pn	10 25 29.4	-3.0
PRAC	Prado	6.26	29	ePn	Pn	10 25 35.7	-0.6
PRAC	Prado	6.26	29	ePn	Pn	10 25 35.9	-0.4
PLMC	San Jos' del	6.35	19	ePn	Pn	10 25 41.1	+0.0
MAPC	Malpelo	6.87	327	ePn	Pn	10 25 43.2	-1.2
RREF	El Recreo	7.14	21	ePn	Pn	10 25 46.8	-1.7
VILC	Villavicencio,	7.23	35	ePn	Pn	10 25 50.6	+1.4
ROSC	El Rosal	7.51	28	ePn	Pn	10 25 52.8	-0.5
ROSC	El Rosal	7.51	28	ePn	Pn	10 25 53.1	-0.2
ROSC	El Rosal	7.51	28	ePn	Pn	10 25 54.0	+0.7
CHIC	Chingaza	7.63	33	ePn	Pn	10 25 55.9	+1.0
NORC	Norcasia	7.92	22	ePn	Pn	10 25 55.8	-2.7
SOLC	Bahia Solano	8.00	3	ePn	Pn	10 25 56.4	-3.2
HELC	Santa Helena	8.29	17	ePn	Pn	10 26 00.4	-3.2
HELC	Santa Helena	8.29	17	ePn	Pn	10 26 00.8	-2.8
PTBC	PUERTO BERRIO,	8.98	22	ePn	Pn	10 26 09.4	-3.1
RUSC	La Rusia	9.04	32	ePn	Pn	10 26 14.1	+0.5
RUSC	La Rusia	9.04	32	ePn	Pn	10 26 14.3	+0.7
ZARC	Zaragoza, Cauc	9.23	37	ePn	Pn	10 26 18.1	+0.5
UREC	San Jos' de U	9.79	14	ePn	Pn	10 26 22.9	-0.2
NNA	Nana	10.16	174	P	Pn	10 26 27.7	-0.4
NNA				S	Pn	10 28 10.5	-1.0
NNA	Nana	10.16	174	ePn	Pn	10 26 28.6	+0.5
NNA				S	Pn	10 28 10.5	-1.0
NNA	Nana	10.16	174	ePn	Pn	10 26 28.6	+0.5
CAPC	Capurgana	10.39	3	ePn	Pn	10 26 29.2	-1.9
PAMC	Pamplona, Colo	10.46	30	ePn	Pn	10 26 32.0	-0.4
MOTC	Monteria, Cord	10.93	17	ePn	Pn	10 26 37.5	-0.1
OCAC	Ocana	10.98	24	ePn	Pn	10 26 37.4	-1.5
BCIP	Isla Barro Col	11.08	350	ePn	Pn	10 26 39.8	-0.3
BCIP	Isla Barro Col	11.08	350	ePn	Pn	10 26 39.9	-0.2
SJCC	San Jacinto	11.94	13	ePn	Pn	10 26 50.5	-0.9
CODC	August'in Codaz	12.48	21	ePn	Pn	10 26 54.8	-3.5
SDV	Santo Domingo	12.86	3	ePn	Pn	10 27 02.3	-1.0
SDV				LR	Pn	10 33 26.5	-
SDV	Santo Domingo	12.86	3	ePn	Pn	10 27 02.3	-1.0
JTS	JuntasAbangare	13.93	330	P	Pn	10 27 18.4	+1.6
JTS				LR	Pn	10 31 42.5	-
URIC	Uribia, Colomb	14.65	23	ePn	Pn	10 27 23.6	-2.2
SAML	Samuel	16.26	116	ePn	Pn	10 27 43.7	-1.9
SAML				Pmax	Pn	10 27 43.7	-1.9
LPAZ	La Paz	17.30	147	P	Pn	10 27 59.0	+0.3
LPAZ	La Paz	17.30	147	ePn	Pn	10 27 56.8	-1.0
LPAZ	La Paz	17.30	147	ePn	Pn	10 27 56.8	-1.0
LPAZ	La Paz	17.30	147	ePn	Pn	10 27 56.8	-1.0
PCRV	Puerto La Cruz	17.78	48	ePn	Pn	10 28 02.9	-0.9
PTGA	Pitinga	17.95	87	P	Pn	10 28 02.6	-1.7
PTGA				LR	Pn	10 35 43.6	-
PTGA	Pitinga	17.95	87	ePn	Pn	10 28 03.6	-0.7
MNMC	Minye Minye	19.03	155	ePn	Pn	10 28 18.0	-0.8
MTD	Mount Denham	19.92	1	ePn	Pn	10 28 27.3	-1.7
APGJ	El Apazote	20.83	324	P	Pn	10 28 35.1	-0.5

SDD	Santo Domingo	21.62	21	eP	P	10 28 42.2	-1.5
PB04	IPOC Station P	21.74	160	eP	P	10 28 46.4	+1.2
SIV	San Ignacio	21.75	131	P	P	10 28 45.8	+0.6
AOPR	Arcedib Observ	22.84	28	eP	P	10 28 55.1	-0.5
SJG	San Juan	22.93	30	P	P	10 28 55.1	-1.3
CMJM	Matias Romero	25.18	319	P	P	10 29 17.1	+0.1
LCO	Las Campanas	27.90	166	eP	P	10 29 41.0	-0.6
LCO	Las Campanas	27.90	166	eP	P	10 29 41.0	-0.6
059A	Moore Haven	28.79	354	P	P	10 29 50.0	+0.9
058A	Arcadia	28.95	353	P	P	10 29 51.3	+0.8
957A	Wimauma	29.61	352	P	P	10 29 57.4	+1.0
DWPT	Disney Wildern	29.95	354	P	P	10 29 00.1	+0.8
CPUP	Villa Florida	31.38	143	P	P	10 30 10.8	-1.3
ROCI	El Rocio	31.66	169	eP	P	10 30 16.3	+1.6
PEL	Peledue	31.89	169	eP	P	10 30 18.4	+1.9
PEL	Peledue	31.89	169	eP	Pmax	10 30 18.4	+1.9
556A	Lake Butler	31.93	353	P	P	10 30 17.3	+0.6
452A	Marianna	33.22	349	P	P	10 30 28.6	+0.7
REU5	Hualae0	33.49	171	eP	P	10 30 30.9	+0.6
TIGA	Tifton	33.51	351	P	P	10 30 30.9	+0.4
353A	Camilla	33.52	350	P	P	10 30 31.0	+0.5
351A	Pinckard	33.71	348	P	P	10 30 32.3	+0.1
256A	Cottrellville	33.82	354	P	P	10 30 33.5	+0.4
BRAL	Brewton	33.94	346	P	P	10 30 33.9	-0.3
254A	Abbeville	33.96	352	P	P	10 30 34.4	0.0
350A	Dozier	34.01	347	P	P	10 30 34.8	0.0
349A	Baz-165	34.15	346	P	P	10 30 35.8	-0.2
252A	Lumpkin	34.25	350	P	P	10 30 36.4	-0.4
ZAIG	Zacatecas	34.29	317	eP	P	10 30 39.9	+2.1
251A	Midway	34.47	349	P	P	10 30 38.3	-0.4
250A	Grady	34.53	347	P	P	10 30 39.0	-0.3
347A	Saraland	34.55	344	P	P	10 30 39.3	-0.1
154A	Montrose	34.59	352	P	P	10 30 39.6	-0.2
542A	Morse	34.71	337	P	P	10 30 40.7	-0.1
249A	Camden	34.73	346	P	P	10 30 40.7	-0.3
348A	Big Creek Wild	34.80	343	P	P	10 30 41.4	-0.3
151A	Opelika	34.87	349	P	P	10 30 41.7	-0.5
541A	Lake Charles	34.90	336	P	P	10 30 42.6	+0.2
248A	Dixon Mills	34.99	345	P	P	10 30 43.2	-0.1
150A	Eclectic	3					

23d 10h

Table with columns: ID, Name, Value, Unit, Status, Date, Value, Unit, Status, Date, Value, Unit, Status, Date. Includes entries like R44A Waltonville, T39A Clever, S41A Jilco Farms, etc.

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Table with columns: ID, Name, Value, Unit, Status, Date, Value, Unit, Status, Date, Value, Unit, Status, Date. Includes entries like MMNY Mt. Morris Dam, O37A Wolven Farm, BCX Boston College, etc.

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Table with columns: ID, Name, Value, Unit, Status, Date, Value, Unit, Status, Date, Value, Unit, Status, Date. Includes entries like G42A Mountain, H39A Augusta, X16A Lo Miss Camp, etc.



Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like HANI, DIYAR, YEDI, SVRC, URFA, MALT, MALT.

MEX 23 10:52:37.5±0.3, 16.05N:98.08W, h12km, 2km, MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PNIG, TLIG, VHO, HUIG, CAIG, ARIG, ARIG.

IDC 23 10:53:40.3±1.9, 1.49N:127.40E, h0km, mb3.7/4, mb1 3.9/4, mb1mx3.4/4, mbmt3.7/4, Error ellipse: s-maj=169.8km s-min=21.5km az=67.0, Halmahera

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

ISCJB 23 11:04:18.6±0.3, 19.05N:103.145E, h214km, mb4.1/52, Error ellipse: s-maj=7.5km s-min=4.5km az=179.7

NEIC 23 11:04:20.4±0.8, 19.02N:145.45E, h216km, 9km, mb4.3/35, Error ellipse: s-maj=8.2km s-min=5.1km az=100.0

IDC 23 11:04:21.5±1.6, 18.97N:145.48E, h230km, 16km, mb3.6/22, mb1 3.7/26, mb1mx3.6/70, mbt3.6/26, Error ellipse: s-maj=14.9km s-min=8.1km az=80.0

ISC 23 11:04:20.3±0.5, 19.05N:105.145E, h214km, n84, r123/84, mb4.1/52, Mariana Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like GUMO, JCJ, CBJ, JOW, INU, MJAR, MAJO, MAT, MJBS, JNU, H11N1, H11N2, H11N3, MANU, TWG, TPUB, KRSR, KS15, KS01, ASAJ, ASAJ, USRK, KLR, MLN, PETK, HHC, SBUM, WRAB, WB2, WRA, SONM, AS01, AS31, ASAR, DZM, UNV, BILL, STKA, FALS, TIXI, WMO, SDPT, CHGN, MK01, MKAR, OHAK, KDAK, PPLA, KURK, KURBB, CAST.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SUA, IM3, RCTH, K01, BPWA, TRF, PMR, GHO, MLY, SML, KSH, KSH, HDA, ILAR, ILB, ILT, RAD, PIG, DOT, SCRR, BVAR, INK, ABKR, AKTO, YKA, ARCES, NVAR, NV01, FINES, BR21, TORD.

DJA 23 11:23:24.0±1.9, 2.10N:102.81E, h17km, 7km, M3.6/3, MLV3.6/3, Halmahera

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like LBMI, LBMI, KMSI, DDA, ISK, ISCB, CSEM, ISC, CMDR, CMDR, ELDT, ELDT, LOD, LOD, BCAM, AFSR, AFSR, MDUB, MDUB, KAMT, KAMT, KORM, KORM, BUI, IDC, NEIC, DJA, ISC, GUMO, DAV, DAV, JOW, JOW, JHW, JHW, PJM, PJM, AAI, H1S3, H1S1, H1S2, H1N1, H1N2, H1N3, MK01, MKAR, OHAK, KDAK, PPLA, KURK, KURBB, CAST.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like WRA, ASAR, ASAR, KLR, KLR, DZM, LEM, PETK, CMAR, CMAR, ULN, SONM, MA2, MA2, GTA, GTA, AFI, JIRN, GUN, PKI, PKIN, KKN, GKN, DNN, KOLN, PYUN, MKAR, ZALV, ZALV, KURK, KURBB, ILAR, ILAR, BVAR, BRVK, PPT, DAW, INK, ARU, DLBC, AKTO, GEYT, YBH, YBH, RES, BMO, ARCES, NVAR, NVAR, HND, FINES, PDAR, HFS, HFS, NOA, ULM, TORD, KBC, KBC, TIC, LIC, LIC, TWD, TWD.

ISCJB 23 11:30:18.6±0.3, 24.25N:0.01E, h4km, 2km, Error ellipse: s-maj=2.5km s-min=1.6km az=38.1

TAP 23 11:30:18.6±0.3, 24.25N:121.80E, h10km, ML3.9, C

JMA 23 11:30:18.6±0.3, 24.25N:121.77E, h17km, 2km, M3.3

ISC 23 11:30:17.6±1.0, 24.25N:101.121E, h5km, 9km, n110, r097/168, 8C-21ND, Taiwan

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like WRA, ASAR, ASAR, KLR, KLR, DZM, LEM, PETK, CMAR, CMAR, ULN, SONM, MA2, MA2, GTA, GTA, AFI, JIRN, GUN, PKI, PKIN, KKN, GKN, DNN, KOLN, PYUN, MKAR, ZALV, ZALV, KURK, KURBB, ILAR, ILAR, BVAR, BRVK, PPT, DAW, INK, ARU, DLBC, AKTO, GEYT, YBH, YBH, RES, BMO, ARCES, NVAR, NVAR, HND, FINES, PDAR, HFS, HFS, NOA, ULM, TORD, KBC, KBC, TIC, LIC, LIC, TWD, TWD.

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HWA	baz=231		Pb	11 30 26.4	0.0
HWA	Hwalien	0.35 228	eP		
TWC	Suao	0.40 355	P		
TWC	baz=223				
TWC	baz=9.0				
EOS1	baz=9.0				
EOS1	EOS1	0.40 33	P		
EOS1	baz=36				
ENLB	Shoufeng	0.40 221	P		
ENLB	baz=218				
NNSB	Datong	0.51 295	P		
NNSB	baz=295				
NNSH	Datong	0.51 295	P		
NNSH	baz=295				
ENTT	Nioudou	0.52 326	P		
ENTT	baz=332				
ENTT	baz=332				
NNS	Nan Shan	0.52 296	P		
NNS	baz=296				
NNS	baz=296				
TWE	Neicheng	0.55 338	P		
TWE	baz=347				
ILA	ilan	0.57 347	P		
ILA	baz=350				
ILA	baz=350				
ESL	Shilin	0.57 227	P		
ESL	baz=224				
EGS	baz=20	0.63 4	P		
TWT	Tachien	0.65 274	eP		
TWT	baz=270				
TWT	baz=270				
YHNB	Yeheng	0.65 314	P		
YHNB	baz=317				
YHNB	baz=317				
NWLT	Wulai	0.67 328	P		
NWLT	baz=333				
NWLT	baz=333				
TDCB	Techi	0.67 274	P		
TDCB	baz=270				
TDCB	baz=270				
CHGB	Renai	0.67 257	P		
CHGB	baz=244				
CHGB	baz=244				
NSK	Sanguang	0.67 314	P		
NSK	baz=317				
NSK	baz=317				
EGFH	Guangfu	0.69 218	eP		
EGFH	baz=217				
EGFH	baz=217				
TIPB	Shuangxi	0.76 356	eP		
TIPB	baz=217				
TWB1	Santiao	0.80 6	P		
TWB1	Chiao	0.80 6	P		
TWA	Mucha	0.82 340	P		
TWA	baz=335				
WVDT	WVDT	0.82 237	P		
WVDT	baz=230				
WVDT	baz=230				
HGSD	Ruisui	0.83 211	eP		
HGSD	baz=193				
HGSD	baz=193				
TATO	Taipei	0.84 334	P		
TATO	baz=338				
TATO	baz=338				
WFSB	Wu-fen	0.86 353	P		
WFSB	Shan	0.86 353	P		
WFSB	baz=351				
WFSB	baz=351				
WLTB	Daxi	0.86 318	P		
WLTB	baz=320				
WLTB	baz=320				
EHY	Hungye	0.87 217	eP		
EHY	baz=219				
EHY	baz=219				
DPDB	Guoxing	0.90 259	eP		
DPDB	baz=255				
DPDB	baz=255				
LIOB	Emei	0.91 299	P		
LIOB	baz=299				
LIOB	baz=299				
NSTT	Nanjuang	0.91 298	P		
NSTT	baz=298				
NSTT	baz=298				
SMLT	Sun Moon Lake	0.96 250	P		
SMLT	baz=237				
SMLT	baz=237				
YULB	Yu-li	0.98 214	eP		
YULB	baz=219				
YULB	baz=219				
TWS1	Kuangyinshan	0.98 334	P		
TWS1	baz=338				
TWS1	baz=338				
YM10	YM10	0.99 342	P		
YM10	baz=346				
YM10	baz=346				
NCU	National Centr	0.99 320	eP		
NCU	baz=322				
NCU	baz=322				
NCUH	Zhongli	0.99 320	eP		
NCUH	baz=315				
NCUH	baz=315				
TYC	Yuch	0.99 252	eP		
TYC	baz=240				
TYC	baz=240				
TYC	baz=240				
YM07	YM07	0.99 346	eP		
YM07	baz=340				
YM07	baz=340				
YJNG	Yonagunijimaku	0.99 76	P		
YJNG	baz=340				
YJNG	baz=340				
YM04	YM04	0.99 341	P		
YM04	baz=345				
YM04	baz=345				
SBCH	Hsinchu	1.01 305	eP		
SBCH	baz=347				
SBCH	baz=347				
YM12	YM12	1.01 343	eP		
YM12	baz=306				
YM12	baz=306				
YM08	YM08	1.01 344	eP		
YM08	baz=348				
YM08	baz=348				
TWF1	Yuli	1.01 213	eP		
TWF1	baz=218				
TWF1	baz=218				
HSN	Hsinchu	1.02 305	eP		
HSN	baz=297				
HSN	baz=297				
NTST	Danshui	1.03 337	eP		
NTST	baz=341				
NTST	baz=341				
NSY	Sanyi	1.05 281	eP		
NSY	baz=280				
NSY	baz=280				
NMLH	Miaoili	1.05 288	eP		
NMLH	baz=287				
NMLH	baz=287				
YOJ	Yonaguni jima	1.05 76	eP		
YOJ	baz=65				
YOJ	baz=65				
YOJ	Yonaguni jima	1.05 76	P		
YOJ	baz=65				
YOJ	baz=65				
TYW	Chenhua	1.09 346	eP		
TYW	baz=350				
TYW	baz=350				
TCU	Taichung	1.11 267	eP		
TCU	baz=350				
TCU	baz=350				

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WJS	Zhushan	1.13 250	eP	Pn	11 30 45.3	+0.1
WJS	baz=241					
WJS	baz=241					
FULB	Fuli	1.15 209	eP	Sb	11 30 39.9	-0.1
FULB	baz=221					
FULB	baz=221					
WNT	Mingjian	1.15 254	eP	Pn	11 30 41.2	+0.8
WNT	baz=240					
CHKT	Chengkung	1.21 204	eP	Pg	11 30 40.1	-0.7
CHKT	baz=199					
WCHH	Zhachua	1.22 264	eP	Pn	11 30 42.4	+0.1
WCHH	baz=261					
CHNS	Tsauling	1.27 241	P	Pn	11 30 42.9	+0.8
CHNS	baz=238					
CHNS	baz=238					
ELDTW	Lidau	1.29 218	eP	Sg	11 30 41.3	-1.2
ELDTW	baz=228					
ELDTW	baz=228					
WGK	Gukeng	1.32 247	eP	Pb	11 30 43.9	+0.9
WGK	baz=244					
WDLH	Douliu	1.34 247	eP	Pb	11 30 44.1	+0.8
WDLH	baz=228					
RLNB	Erlin	1.43 258	eP	Pg	11 30 45.4	+0.3
RLNB	baz=255					
CHNZ	Minshiu	1.46 243	eP	Pg	11 30 46.3	+0.7
CHNZ	baz=240					
TPUB	Tai-pu	1.47 232	eP	Pg	11 30 46.1	+0.4
TPUB	baz=230					
TPUB	baz=230					
STYT	Tauyuan	1.47 225	eP	Pb	11 30 45.3	-0.2
STYT	baz=222					
STYT	baz=222					
WTCT	Ta-cheng	1.51 257	eP	Sg	11 30 46.1	0.0
WTCT	baz=254					
WTCT	baz=254					
WTP	Ta-pu	1.51 231	eP	Pg	11 30 46.5	-0.1
WTP	baz=228					
WTP	baz=228					
CHY	Chiayi	1.52 242	eP	Pg	11 30 47.4	+0.7
CHY	baz=240					
CHY	baz=240					
TWH	Lutao	1.54 194	eP	Sg	11 30 45.0	-0.8
TWH	baz=180					
TWH	baz=180					
TWG	Pinlang	1.57 209	eP	Pn	11 30 40.3	-1.2
TWG	baz=206					
TWG	baz=206					
TWGT	Beinan	1.57 208	eP	Pn	11 30 44.5	-1.8
TWGT	baz=206					
TWGT	baz=206					
TWK	Hsinying	1.59 234	eP	Pb	11 30 47.7	+0.1
TWK	baz=231					
TWK	baz=231					
CHN1	Nanshi	1.61 231	eP	Pg	11 30 48.1	+0.2
CHN1	baz=241					
CHN1	baz=241					
WLBG	Puzi	1.63 244	eP	Pg	11 30 48.8	-0.1
WLBG	baz=241					
WLBG	baz=241					
WSF	Szhu	1.63 250	eP	Pg	11 30 48.8	-0.1
WSF	baz=248					
WSF	baz=248					
SGST	Jiashan	1.64 227	eP	Pg	11 30 49.0	-0.1
SGST	baz=225					
SGST	baz=225					
SLGT	Lugui	1.66 224	eP	Pb	11 30 49.0	+0.2
SLGT	baz=222					
SLGT	baz=222					
IRIF	Irimote-Funau	1.69 85	P	Pg	11 30 49.6	-0.3
IRIF	IRIF	1.69 85	P	S	11 30 12.3	+0.5
IRIF	IRIF	1.69 85	P	S	11 30 12.3	+0.5
HATJ	Hateruma jima	1.76 95	P	Pg	11 30 51.3	0.0
HATJ	HATJ	1.76 95	P	eS	11 31 13.5	-0.6
HATJ	HATJ	1.76 95	P	eS	11 31 13.5	-0.6
CHN8	Yiju	1.76 241	eP	Pn	11 30 49.9	-0.6
CHN8	baz=199					
CHN8	baz=199					
ECL	Tainali	1.82 208	eP	Pb	11 30 49.7	0.0
ECL	baz=192					
ECL	baz=192					
SSD	Sandimen	1.86 219	eP	Pb	11 30 51.2	-0.9
SSD	baz=229					
SSD	baz=229					
SSD	baz=229					
TWMT	Shoushan	1.93 225	eP	Pb	11 30 52.8	-0.5
TWMT	baz=222					
TWMT	baz=222					
JKRS	Kuro-shima	1.94 89	P	Pb	11 30 53.1	-0.3
JKRS	JKRS	1.94 89	P	eS	11 31 18.8	+0.7
JKRS	JKRS	1.94 89	P	eS	11 31 18.8	+0.7
MASBT	Mashibuluo	1.96 216	eP	Pb	11 30 52.2	+0.6
MASBT	baz=216					
MASBT	baz=216					
MASBT	baz=216					
EAST	Anshuo	2.06 208	eP	Pn	11 30 54.0	+1.1
EAST	baz=193					
EAST	baz=193					
JJJ	Ishigaki jima	2.06 85	P	Pb	11 30 54.3	-1.3
JJJ	JJJ	2.06 85	P	S	11 31 20.8	-0.8
JJJ	JJJ	2.06 85	P	S	11 30 55.1	-1.2
SSPT	Xinbi	2.10 215	eP	Pb	11 30 55.1	-1.2
SSPT	baz=198					
SSPT	baz=198					
SCZT	Fangliu	2.17 213	eP	Pb	11 30 56.1	-1.3
SCZT	baz=196					
SCZT	baz=196					
LAY	Lan-yu	2.18 188	eP	Pn	11 30 52.9	-1.8
LAY	baz=187					
LAY	baz=187					
PNG	Penghu	2.23 254	eP	Pn	11 30 55.5	+0.2
PNG	baz=253					
PNG	baz=253					
PHUB	P'eng-hu	2.23 252	eP	Pn	11 30 56.0	+0.7
PHUB	baz=254					
PHUB	baz=254					







23d 13h

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h, m, s, ISC. Rows include stations like YON, YOJ, SMLT, FULB, etc.

ISJCJB 23 13:31:32.5d.0.4, 42.63N.0102:22.97E:0.03, h4km, 3km, Error ellipse: s-maj=3.7km s-min=2.5km az=146.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h, m, s, ISC. Rows include stations like VTS, ZAVO, BARS, etc.

2012 MAY

Table with columns: PLD, Plovdiv, 1.38 111, ePg, Pn, 13 31 59.0 -0.1, etc. Rows include stations like BOVS, NVR, KNT, etc.

IDC 23 13:32:54.4e.1.6, 35.51N.142.43E, h0km, mb3.4/4, m1 3.5/8, m1mx3.3/7.5, m1t3.6/8, ML3.4/4, MS2.9/3, Ms1 2.9/3, ms1mx2.5/35, Error ellipse: s-maj=29.0km s-min=24.6km az=124.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h, m, s, ISC. Rows include stations like CHJO, BSO1, BSO3, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h, m, s, ISC. Rows include stations like MAT, ASAJ, JNU, etc.

ROM 23 13:33:19.7d.0.0, 44.852N.0100:11.404E:0.001, h4km, ML2.6/6 IASPEI 23 13:30:20.8d.0.8, 44.85N.0102:11.41E:0.02, h6km, 5km, Error ellipse: s-maj=2.7km s-min=2.6km az=179.1, 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

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Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h, m, s, ISC. Rows include stations like T0822, T0823, T0824, etc.

IDC 23 13:37:36.2,0.7,1.51N,127.74E,h0km,mb4.0/1,  
mb1.4,1/1,mb1mx3/9.54,mbtmp4.0/11,MSJ=43.2km  
ms1.3/1,ms1mx2/4.51,Error ellipse: s-maj=43.2km  
s-min=14.4km az=78.0  
DJA 23 13:37:38.9,0.4,2.2N,127.8E,h10km,MA.0/6,mb4.3/1,  
MLV3.9/6  
NEIC 23 13:37:41.6,0.5,1.52N,127.83E,h35km,mb4.3/1,Error  
ellipse: s-maj=31.1km s-min=8.5km az=78.0,  
ISC/JB 23 13:37:43.0,0.5,1.50N,0.06x127.7E,0.1,h69km,  
mb4.1/13,Error ellipse: s-maj=17.3km s-min=8.8km  
az=173

ISC 23 13:37:45.0,0.7,1.51N,127.8E,0.1,h69km,n17,  
+f138/18,mb4.0/13,Halmahera

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
				h m s	ISC
LBMI	Labuha	2.15 187	P	13 38 16.4	-2.3
LBMI	Cibinong	2.29 266	P	13 38 47.6	+3.2
KMSI	Tennant Creek	3.87 153	S	13 38 40.6	-1.7
WRAB			P	13 42 36.1	-0.5
WRA	Warramunga Arr	22.28 163	P	13 42 35.9	-0.8
ASAR	Alice Springs	25.73 167	P	13 43 08.1	-1.1
STKA	Stephens Creek	35.71 160	P	13 44 37.6	+0.7
KSAR	Wonju Array Be	35.75	P	13 44 37.7	+0.4
KSRS	Korea Array	35.77	P	13 44 37.7	+0.4
MJAR	Matsushiro Arr	36.17	P	13 44 39.0	-1.9
SOMN	Songino Array	49.71 341	P	13 46 31.2	+0.9
SONM			P	14 07 47.1	
PETK	Petrovlovsk	57.10 21	P	13 47 24.0	-0.1
MKAR	Makanchi Array	59.95 326	P	13 47 44.5	+0.4
SEY	Seymchan	63.96 12	P	13 48 11.8	+1.2
KURB	Kurchatov Arr	64.15 328	P	13 48 11.6	-0.5
KURK	Kurchatov	64.15 328	P	13 48 11.9	-0.2
BVA	Borovyoy Array	69.72 327	P	13 48 48.5	+1.0
VNDR	Vandenberg	81.11 173	P	13 49 52.0	-0.2

NEIC 23 13:43:32.0,1.0,19.08N,157.04W,h10km,ML3.8(HVO),  
Error ellipse: s-maj=14.1km s-min=4.0km az=208.0,  
Hawaiian Islands region

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
				h m s	ISC
KKH	Kailua Kona	1.12 59	ePn	13 43 54.0	+0.1
KHLU	Kahalu'u	1.20 65	ePn	13 43 54.7	-0.3
HUH	Hiihina Pali	1.29 62	ePn	13 43 55.8	-0.5
KHU	Kahuku	1.36 83	ePn	13 43 57.5	-0.2
MWH	Moku'aweo	1.42 73	ePn	13 43 57.7	-0.7
MLOA	Mauna Loa Obse	1.46 72	ePn	13 43 58.4	-0.5
AIN	Ainahou	1.52 79	ePn	13 43 58.9	-0.6
MHA	Mahukona	1.54 44	ePn	13 43 59.8	+0.2
HMH	Humu'ula Sheep	1.56 70	ePn	13 43 59.8	-0.3
POHA	Pohakuloa	1.58 64	ePn	13 44 16.9	-0.4
HPAH	Hawaii Prepara	1.58 53	ePn	13 44 00.0	-0.2
MLH	Mauna Loa	1.62 75	ePn	13 44 00.3	-0.6
HLP	Hiihina Pali	1.62 62	ePn	13 44 02.0	-0.7
WRMH	West Rim	1.68 79	ePn	13 44 01.6	-0.4
SDHH	Sand Hill	1.68 79	ePn	13 44 01.8	+0.1
UWE	Uwekahuna	1.69 78	ePn	13 44 01.1	-0.7
OBL	Observatory Le	1.69 78	ePn	13 44 02.1	+0.3
NPH	North Pit	1.70 78	ePn	13 44 01.8	-0.1
RHM	Rim	1.70 79	ePn	13 44 01.6	-0.4
KKO	Keanakakoi'i	1.71 79	ePn	13 44 01.6	-0.4
SBLHI	Steaming Bluff	1.71 78	ePn	13 44 02.1	+0.0
HATHI	Halema'uma'u T	1.72 78	ePn	13 44 03.1	-0.7
PUH	Puauhi	1.75 80	ePn	13 44 01.6	-1.0
HLK	Halekaala	1.83 24	ePn	13 44 04.0	+0.2
HLK	Halekaala	1.84 80	ePn	13 44 03.6	-0.2
STCH	Steem Cracks	1.84 80	ePn	13 44 04.8	+0.9
NPOC	North of Pu'u	1.85 80	ePn	13 44 05.0	+1.0
JCJZ	Jacuzzi	1.86 80	ePn	13 44 05.0	+1.0
HELKH	Kahului Airpor	1.90 18	ePn	13 44 05.6	+0.9
HULD	Heiheiahiua Di	1.98 80	ePn	13 44 29.1	-1.5
KHL	Kohala	2.41 338	ePn	13 44 11.6	0.0
HON	Honolulu	2.41 338	ePn	13 44 35.9	-5.2
HON	Honolulu	2.50 339	ePn	13 44 13.0	+0.2
KIP	Kipapa	2.50 339	ePn	13 44 38.8	-4.6
OPA	Opana	2.75 341	ePn	13 44 16.0	+0.2
OPA	Opana	2.82 340	ePn	13 44 44.7	-4.8
KEKH	Kekaha	3.82 320	ePn	13 44 30.5	-0.5

JMA 23 13:52:58.6,0.1,42.83N,145.58E,h45km,1km,M2.8  
SKHL 23 13:52:58.9,0.4,42.81N,145.36E,h36km,1km,mb4.9/5  
ISC/JB 23 13:52:59.1,1.1,42.85N,0.07x145.54E,0.0,0.8,  
h40km,26km,Error ellipse: s-maj=13.1km s-min=5.7km  
az=142.7

MOS 23 13:53:00.8,0.4,43.03N,145.39E,h36km,mb4.3/1,Error  
ellipse: s-maj=99.9km s-min=19.4km az=75.7

ISC 23 13:52:60.0,1.9,42.93N,0.09x145.43E,0.06,h28km,13km,  
n18,e0818/33,2C-10,Hokkaido region

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
				h m s	ISC
NEM2	Nemuro 2	0.50 27	P	13 53 10.2	0.0
NEM2			S	13 53 14.2	-0.5
JAK	Akeshi	0.54 27	P	13 53 11.9	0.0
JAK			S	13 53 21.6	+0.4
GLVR	Golovnino	0.82 5	iP	13 53 15.2	-0.4
GLVR	240nm.0.1s		AMB	13 53 15.8	
GLVR	580nm.0.1s		A	13 53 28.5	
GLVR	1µm.0.1s		A	13 53 28.5	
GLVR	Golovnino	0.82 5	iPN	13 53 15.2	-0.4
GLVR			iS	13 53 27.7	+0.9
GLVR			pmx		
GLVR	comp=Z,237nm.0.1s				smx
GLVR	comp=E,582nm.0.1s				smx
GLVR	comp=N,1µm.0.2s				smx
JNK	Nakash	0.84 322	P	13 53 15.9	-0.1
JNK			eS	13 53 28.3	+0.9
JRA	Rausu	1.04 348	P	13 53 18.8	+0.1
JRA			eS	13 53 33.6	+1.1
GRPR	Tuman	1.10 13	eP	13 53 18.2	-1.3
GRPR			AMB	13 53 19.8	
GRPR	comp=N,140nm.0.1s				iS
GRPR			A	13 53 34.9	
GRPR	comp=N,357nm.0.1s				A
GRPR	comp=N,606nm.0.1s				A
GRPR			iS	13 53 27.7	+0.9
GRPR			iS	13 53 32.9	-0.8
GRPR			pmx		
GRPR	comp=Z,137nm.0.1s				smx
GRPR	comp=N,606nm.0.1s				smx
GRPR	comp=N,137nm.0.1s				smx
GRPR	comp=E,357nm.0.1s				smx
YUK	Yuzh-Kuril'sk	1.15 16	iP	13 53 19.6	-0.6
YUK			AMB	13 53 21.5	
YUK			iS	13 53 34.9	-0.2
YUK			A	13 53 37.3	
YUK	comp=E,340nm.0.1s				A
YUK	comp=E,270nm.0.1s				A
YUK	Yuzh-Kuril'sk	1.15 16	iPN	13 53 19.6	-0.6
YUK			iS	13 53 34.9	-0.2

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
				h m s	ISC
comp=N,57nm.0.1s					pmx
YUK	comp=Z,146nm.0.1s				pmx
YUK	comp=N,338nm.0.1s				smx
LAGR	comp=E,266nm.0.1s				smx
LAGR	Lagunoye	1.16 13	iP	13 53 19.9	-0.4
LAGR			AMB	13 53 23.0	
LAGR	comp=E,174nm.0.1s				iS
LAGR			A	13 53 35.4	+0.2
LAGR	comp=E,890nm.0.1s				A
LAGR			A	13 53 36.5	
LAGR	comp=E,730nm.0.1s				A
LAGR	Lagunoye	1.16 13	iPN	13 53 19.9	-0.4
LAGR			iS	13 53 35.4	+0.2
LAGR			pmx		
LAGR	comp=Z,174nm.0.1s				smx
LAGR	comp=N,891nm.0.1s				smx
LAGR	comp=E,732nm.0.1s				smx
JOB	Onbets	1.17 269	P	13 53 20.2	-0.3
JAR	Ashorobuto	1.27 288	P	13 53 22.3	-1.0
JAR			eS	13 53 39.7	+0.5
JTKR	Abashiri-Toko	1.52 314	P	13 53 25.3	-1.3
JCH	Churil	1.55 259	P	13 53 25.2	-0.6
KUR	Kuril'sk	2.90 36	eP	13 53 44.7	+0.5
KUR			AMB	13 53 46.4	
KUR	comp=E,80nm.0.2s				iS
KUR			A	13 54 19.3	+1.2
KUR	comp=E,220nm.0.2s				A
KUR	comp=E,60nm.0.2s				A
KUR	Kuril'sk	2.90 36	ePN	13 53 44.7	+0.5
KUR			iS	13 54 19.3	+1.2
KUR			pmx		
KUR	comp=E,6.0nm.0.2s				pmx
KUR			pmx		
KUR	comp=Z,8.0nm.0.2s				smx
KUR	comp=N,22nm.0.2s				smx
KUR	comp=E,6.0nm.0.2s				smx

CSEM 23 13:54:21.5,39°08N,28°14E,h7km,ML2.2  
DDA 23 13:54:21.5,39°08N,28°14E,h7km,ML2.2, Turkey

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
				h m s	ISC
AKHS	Akhisar	0.33 231	iP	13 54 28.6	+0.7
AKHS			iS	13 54 33.1	+0.9
AKHS	Akhisar	0.33 231	P	13 54 28.6	+0.7
AKHS			S	13 54 33.2	+1.0
STEP	BALKESIR_Sava	0.44 312	iP	13 54 29.9	-0.1
STEP	BALKESIR_Sava	0.44 312	P	13 54 30.0	0.0
DEMI	Demirci	0.45 95	iP	13 54 30.7	+0.5
DEMI			iS	13 54 36.9	+0.8
DEMI			S	13 54 37.0	+0.5
DEMI	Demirci	0.45 95	P	13 54 36.9	+0.8
DURS	Dursunbey	0.58 26	iP	13 54 33.1	+0.5
DURS	Dursunbey	0.58 26	P	13 54 33.1	+0.4
BALY	Balya	0.77 328	iP	13 54 35.2	-1.1
BALY	Balya	0.77 328	P	13 54 35.2	-1.1

NIED 23 13:55:00.32,30N,138°50E,h340km,Mw4.4 Best  
double couple: M=4.92000e+1015 NP1=35.00000°,  
φ47.00000°,λ=156.00000°. NP2=356.00000°,  
φ73.00000°,λ=46.00000°.

BUI 23 13:55:02.0,32°26N,138°36E,h346km,mb4.7/50,  
M4.4/28

JMA 23 13:55:03.1,0.4,32°34N,138°46E,h372km,4km,M3.8

ISC/JB 23 13:55:04.1,0.3,32°24N,0°03,138°27E,0°03,  
h354km,1km,mb4.3/104,Error ellipse: s-maj=5.9km  
s-min=3.5km az=143.7

MOS 23 13:55:04.7,0.9,32°27N,138°20E,h357km,mb4.4/56,  
Error ellipse: s-maj=7.9km s-min=4.5km az=107.4

IDC 23 13:55:05.1,0.5,32°33N,138°22E,h344km,3km,mb3.9/31,  
mb1.4/0.37,mb1mx3/8.69,mbtmp4.6/37,Error ellipse:  
s-maj=9.1km s-min=8.3km az=162.0

NEIC 23 13:55:05.1,0.4,32°26N,138°20E,h349km,3km,mb4.3/45,  
Error ellipse: s-maj=6.3km s-min=3.6km az=145.0

ISC 23 13:55:05.6,0.5,32°36N,0°05,138°28E,0°04,h352km,3km,  
n273,±122/318,mb4.3/104,25C-14D,Southeast of

Honshu

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
				h m s	ISC
JHJC	Hachiojimakas	1.47 60	P	13 55 53.0	-0.8
JHJC			eS	13 56 31.0	-1.4
JHJ	Hachioji jima 2	1.48 59	P	13 55 53.2	-0.6
JHJ			S	13 56 31.1	-1.4
JHJ	277nm.0.3s,baz=88,slow=23,SNR=13				S
JHJ2	Mitsune	1.50 59	P	13 55 53.2	-0.8
JHJ2	Mitsune	1.50 59	ePn	13 55 53.1	-0.8
TK02	Tokai 2	1.65 345	P	13 55 54.8	+0.3
TT03	TONANKAI O.B.S	1.68 334	P	13 56 35.9	+1.7
TT02	TONANKAI O.B.S	1.73 323	P	13 55 56.0	+1.1
TT02			S	13 56 37.1	+2.5
TT04	TONANKAI O.B.S	1.76 340	P	13 55 55.8	+0.7
TT01	TONANKAI O.B.S	1.78 316	P	13 55 56.1	+0.9
TK03	Tokai 3	1.82 352	P	13 56 37.8	+1.5
JIE	Ise	2.42 328	S	13 56 00.8	-0.7
JIE			S	13 56 43.8	-0.2
JWZ	Kozaga	2.45 299	P	13 56 00.2	-0.3
JWZ			S	13 56 43.7	-0.8
JWY	Kouya	2.92 310	P	13 56 05.1	+0.7
JWY			S	13 56 12.0	-0.5
JOD2	Odawara 2	2.98 13	P	13 56 04.2	-0.7
JOD2			eS	13 56 50.2	-2.4
JYN	Shimob	3.14 4	P	13 56 06.5	+0.1
INU	Inuyama	3.16 341	ePn	13 56 07.0	+0.5
BSO1	Boso 1	3.22 44	P	13 56 04.8	-1.8
BSO1			S	13 56 29.2	-2.7
JAI	Aioi	3.52 295	P	13 5	

Table with columns: SKNT, Sakolnarkorn, 34.55 252 P, P, 14 01 22.3 0.0, etc. Lists various astronomical observations with station codes and coordinates.

Table with columns: KDAK, Kodiak Island, 52.33 39 eP, P, 14 03 42.7 +0.7, etc. Lists various astronomical observations with station codes and coordinates.

Table with columns: CFR, Carcaiu, 80.19 318 i/P, P, 14 06 37.9 +0.4, etc. Lists various astronomical observations with station codes and coordinates.

Table with columns: CSEM 23 14:06:09.7, 38.05N-23.76E, h9km, ML1.1/2, Error ellipse: s-maj=5.0km s-min=1.7km az=155.0, Greece. Lists station codes and observation details.

Table with columns: CSEM 23 14:06:30.6, 38.08N-23.66E, h10km, ML1.3/3, Error ellipse: s-maj=5.2km s-min=1.5km az=145.0, Greece. Lists station codes and observation details.

Table with columns: ISCBJ 23 14:10:38.3, 0.7, 18.0S:0.2:178.4W:0.1, h579km, mb3.9/11, Error ellipse: s-maj=22.5km s-min=13.6km az=150.6, etc. Lists station codes and observation details.





23rd 14h

Table with columns for station name, elevation, frequency, and other parameters. Includes stations like Cima Grappa, Bobbio (Colli), Roncone, etc.

2012 MAY

Table with columns for station name, elevation, frequency, and other parameters. Includes stations like STAL, PCP, ABSI, ARVD, TUE, etc.

1466

Table with columns for station name, elevation, frequency, and other parameters. Includes stations like LMR, MOA, KIZ, ARSA, etc.



Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like RAR, TOAD, YKA, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like EDFI, WBSI, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like NIED, MOS, etc.

cutoff=40s, nsta2 refers to surface/mantle waves, cutoff=50s. IS/CJB 23:15:02:25.8... NEIC 23:15:02:25.0... JMA 23:15:02:26.0... IDC 23:15:02:29.0... NEIC 23:15:02:38.4... ISC 23:15:02:11.0...

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like JOT, JKB, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like JTB, JTKR, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like YUK, TEY, etc.









23d 15h

Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like B05A Bryant, E03A Lebam, MOS Moscow, etc.

2012 MAY

Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like G06A Carlson Farm, L02D Cave Junction, I05D Terrianne, etc.

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Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like TBLG Delisi, MOD Modoc Plateau, HOPS Hoiland Field, etc.

NOA	comp=Z,114nm,0.9s,baz=36,slow=6.1,SNR=3.1	pP	15 13 51.9 +0.5	SUW		e	15 23 35.8	AHID	Auburn Hatcher	73.42	47	eP	P	15 13 53.2 +0.6	
NOA	comp=Z,4um,22.0s,baz=40,slow=38	LR	15 47 40.4	SUW	comp=Z,2um,3.7s	pmx		AHID	comp=Z,290nm,1.6s		LR	LR			
SHME	Shamir	70.43	288	I/P	ADCV	comp=Z,9um,20.0s	MLR	MLR	BORG	comp=Z,3um,22.0s	73.44	353	P	15 13 52.5 +0.5	
SOC	Sochi	70.45	311c	iP	SOC	BITLIS	Adilcev	71.65	306	iP	P	15 13 43.5 +1.4			
SOC				ePP	FOO	Floro	71.67	340	iP	P	15 13 41.9 +0.4				
SOC				eSP	BSY	Bisya	71.67	284	P	P	15 13 43.2 +1.1				
SOC				eS	KVN	Kaiserville	71.73	54	eP	P	15 13 43.5 +0.9				
SOC				eSS	KVN	Kaiserville	71.73	54	eP	P	15 13 43.5 +0.9				
SOC				eSSS	KVN	Kaiserville	71.73	54	eP	P	15 13 43.5 +0.9				
SOC				pmx	HYA	comp=Z,342nm,1.3s			HYA	Ryan	71.73	339	iP	P	15 13 42.5 +0.6
SOC	comp=Z,475nm,0.7s			pmx	RYN	Hoyanger	71.73	54	eP	P	15 13 43.2 +0.8				
SOC	comp=Z,2um,1.8s			MLR	EKAR	Karacaban	71.78	306	iP	P	15 13 43.5 +0.6				
WBK	comp=Z,3um,22.0s	70.46	283	P	ERZM	Erzurum	71.79	307	iP	P	15 13 44.8 +1.6				
HRY	Holter Researc	70.46	45	eP	ARQ	Arazi	71.80	285	P	P	15 13 43.8 +0.8				
RDG13	Poverty Ridge	70.47	57	eP	PMPB	Monarch Peak	71.81	58	eP	P	15 13 43.9 +1.0				
BIDO	Bidbid	70.52	284	P	HAKT	HAKKARI	71.82	304	iP	P	15 13 42.2 -1.0				
PAHR	Pah Rah Rang	70.54	54	eP	ASUD	AI Ashush, Dub	71.82	287	P	P	15 13 44.2 +0.8				
NB000	NORSAR Array S	70.56	337	eP	ASUD	AI Ashush, Dub	71.88	287	iP	P	15 13 44.2 +0.8				
NC602	NORSAR Array S	70.57	337	eP	QLMT	Earthquake Lak	71.89	46	eP	P	15 13 44.0 +0.5				
NC602	NORSAR Array S	70.57	337	iP	ALNE	AI Anin	71.92	286	iP	P	15 13 44.3 +0.6				
VCNR	Virginia City	70.63	54	eP	ARMA	Armidale	71.95	171	eP	P	15 13 44.2 +0.5				
AKN	Aaknes	70.67	339	iP	NV01	Norway Array Sit	71.99	55	eP	P	15 13 45.0 +0.8				
NAO01	NORSAR Array S	70.68	337	eP	NVAR	Mina Array Bay	71.99	55	P	P	15 13 45.6 +1.4				
EGMT	Eagleton	70.69	43	eP	NVAR	comp=Z,18nm,0.7s,baz=292,slow=5.8,SNR=130			PcP		15 14 02.9 +0.4				
EGMT	Eagleton	70.69	43	eP	NVAR	comp=Z,38nm,0.7s,baz=297,slow=6.0,SNR=15			PcP		15 14 02.2 -7.5				
EGMT	comp=Z,471nm,1.5s			LR	NVAR	comp=Z,0.2nm,0.3s,baz=106,slow=5.7,SNR=4.5			P		15 13 45.2 +0.8				
LRM	Limekiln Ridge	70.70	46	eP	MDBP	Devils Postpil	72.01	56	eP	P	15 13 43.8 +0.1				
DBOC	Borcka	70.71	308	iP	KONO	Kongo	72.02	337	eP	P	15 13 43.8 +0.1				
MDH	Madha	70.77	287	iP	KONO	Kongsberg	72.02	337	iP	P	15 13 44.2 +0.5				
PNTR	Pine Nut	70.79	55	eP	KONO	Kongsberg	72.02	337	iP	P	15 13 44.0 +0.3				
MSFE	Esma-Masafi	70.84	287	iP	KONO	comp=Z,100nm,0.8s			MLR	MLR					
SMDO	Samad	70.86	284	P	YHB	comp=Z,5um,19.0s					15 13 45.6 +1.0				
DBAD	Bademkaya	70.90	308	iP	YHB	Horse Butte	72.07	46	eP	P	15 13 45.6 +1.0				
DLMT	Dillon	70.91	46	eP	OMMB	Old Mammoth Mt	72.07	56	eP	P	15 13 45.6 +0.8				
DDM	Demirkent	70.95	308	iP	NV11	Mina Array Sit	72.08	54	eP	P	15 13 45.4 +0.7				
CMB	Columbia Colle	70.95	56	eP	MLAC	Mammoth, Mamgo7.16	55	P	P	15 13 46.9 +1.6					
CMB	Columbia Colle	70.95	56	eP	AJN	Ajban	72.16	287	iP	P	15 13 45.2 +0.1				
ANN	Anapa	70.95	313	iP	SUE	SUN=12	72.20	340	iP	P	15 13 45.2 +0.5				
UOSS	Minazif	71.05	287	eP	BAYB	BAUURT	72.23	308	iP	P	15 13 47.4 +1.8				
UOSS	Minazif	71.05	287	iP	YHH	Holmes Hill	72.23	46	eP	P	15 13 46.5 +0.8				
HLID	Halley	71.06	48	eP	KOPT	Kop Dag	72.24	308	iP	P	15 13 46.1 +0.4				
HLID	Halley	71.06	48	eP	KLNR	Kaliningrad	72.31	329	iP	P	15 13 45.4 -0.1				
SAO	San Andreas Ge	71.06	58	eP	KLNR	comp=Z,483nm,0.9s			MLR	MLR					
SAO	San Andreas Ge	71.06	58	eP	YNR	comp=Z,3um,15.0s					15 13 47.6 +1.2				
SAO	San Andreas Ge	71.06	58	eP	PAGB	Antelope Grade	72.46	58	eP	P	15 13 48.1 +1.3				
YERR	Yerington	71.07	55	eP	YFT	Old Faithful	72.46	46	eP	P	15 13 49.0 +2.1				
HOQ	Hoqain	71.08	285	P	ASK	Askoy	72.57	339	iP	P	15 13 47.7 +0.8				
UMQ	Umm Al-Quwin	71.09	288	iP	YPP	Pitchstone Pla	72.59	46	eP	P	15 13 49.1 +1.4				
MCMT	McKenzie Canyo	71.12	47	eP	BER	Bergen	72.62	339	iP	P	15 13 48.0 +0.8				
EATA	Eleskirt	71.14	307	iP	LKWY	Lake	72.62	46	PFake	LR	15 14 00.0 +1.2				
HATD	Hatta, Dubai	71.18	287	iP	H17A	Grant Village	72.63	46	P	P	15 13 50.6 +2.6				
HATD	Hatta, Dubai	71.18	287	iP	H17A	Grant Village	72.63	46	eP	P	15 13 50.1 +2.1				
AKASG	Malin Array Be	71.23	322	P	SIM	Simferopol'	72.65	315	c	P	15 13 48.8 +1.1				
AKASG	Malin Array Be	71.23	322	P	SIM	comp=Z,23nm,1.2s			ePPP	PPP	15 16 27.0				
AKASG	Malin Array Be	71.23	322	P	SIM	comp=Z,612nm,0.6s			iPS	PnS	15 23 40.0 -6.1				
AKASG	Malin Array Be	71.23	322	P	SIM	comp=Z,190nm,6.9s			eSS	SS	15 27 47.0 -0.2				
AKASG	Malin Array Be	71.23	322	P	SIM	comp=Z,332nm,0.6s			eSSS	SSS	15 30 54.0				
AKBB	Malin Array Si	71.23	322	eP	SRTM	Siirt Merkez	72.66	305	iP	P	15 13 47.4 -0.7				
AKBB	Malin Array Si	71.23	322	eP	ODD1	Odda	72.66	338	iP	P	15 13 48.3 +0.8				
JMDO	Jabal Madar	71.24	284	P	SIRN	Siirnak	72.67	305	iP	P	15 13 48.7 +0.6				
WAKR	Walker	71.25	55	eP	IMW	Indian Meadow	72.77	46	eP	P	15 13 50.4 +1.5				
AK11	Malin Array Si	71.28	322	eP	BGOL	Bingol	72.79	307	iP	P	15 13 48.7 -0.1				
BOZ	Bozeman (W)	71.28	45	eP	RLMT	Red Lodge	72.85	45	eP	P	15 13 50.4 +1.2				
BOZ	Bozeman (W)	71.28	45	eP	RLMT	Red Lodge	72.85	45	eP	P	15 13 50.1 +0.9				
BOZ	Bozeman (W)	71.28	45	eP	RLMT	Red Lodge	72.85	45	eP	P	15 13 50.1 +0.9				
BOZ	Bozeman (W)	71.28	45	eP	STKA	comp=Z,2um,22.0s			LR	LR					
BOZ	Bozeman (W)	71.28	45	eP	STKA	comp=Z,53nm,1.0s,baz=357,slow=7.6,SNR=26					15 13 49.9 +0.9				
BOZ	Bozeman (W)	71.28	45	eP	STKA	comp=Z,2um,22.0s,baz=11,slow=35					15 45 16.5				
BOZ	Bozeman (W)	71.28	45	eP	STKA	comp=Z,2um,22.0s,baz=11,slow=35					15 13 49.5 +0.6				
BOZ	Bozeman (W)	71.28	45	eP	SMMC	Simmler	72.88	58	P	P	15 13 50.9 +1.6				
SOHO	SOHO	71.31	286	iP	FWXY	Fox Creek	72.89	47	eP	P	15 13 50.7 +1.3				
ASHO	Ashiyah	71.32	287	P	KELT	Kelkit	72.89	309	iP	P	15 13 48.7 -0.8				
ASHO	Ashiyah	71.32	287	iP	TIN	Tinmahna, Big	72.90	56	P	P	15 13 50.5 +1.0				
BMN	Battle Mountai	71.40	52	eP	EUZM	Euzum	72.91	308	iP	P	15 13 51.3 +1.7				
BMN	Battle Mountai	71.40	52	eP	GRSN	Giresungrsn	72.97	310	iP	P	15 13 48.9 -0.8				
BMN	Battle Mountai	71.40	52	eP	MOOW	Moose Ponds	72.97	46	eP	P	15 13 51.4 +1.4				
TVAN	Van	71.41	305	iP	SVAN	Silvan-Diyarba	73.00	306	iP	P	15 13 51.3 +1.3				
NAZ	Nazwa, Dubai	71.42	287	iP	TPAW	Teton Pass	73.03	47	eP	P	15 13 51.8 +1.5				
NAZ	Nazwa, Dubai	71.42	287	iP	BLSS	Blasio	73.12	338	iP	P	15 13 51.0 +0.7				
OSL	Oslo	71.45	337	iP	BTMN	Batman	73.12	306	iP	P	15 13 52.7 +2.0				
SFJD	Kangerlussuaq	71.54	5	iP	BVM	Hansel Valley	73.13	49	eP	P	15 13 51.7 +0.9				
SFJD	Kangerlussuaq	71.54	5	iP	HVU	Hansel Valley	73.13	49	eP	P	15 13 51.7 +0.9				
SFJD	Kangerlussuaq	71.54	5	iP	HVU	Hansel Valley	73.13	49	eP	P	15 13 51.7 +0.9				
SFJD	Kangerlussuaq	71.54	5	iP	YES	Vestal, Richgr	73.13	57	P	P	15 13 51.0 +0.3				
SFJD	Kangerlussuaq	71.54	5	iP	DGMT	Dagmar	73.14	40	P	P	15 13 50.9 +0.4				
SFJD	Kangerlussuaq	71.54	5	iP	DGMT	Dagmar	73.14	40	P	P	15 13 51.0 +0.4				
SFJD	Kangerlussuaq	71.54	5	iP	DGMT	Dagmar	73.14	40	P	P	15 13 51.0 +0.4				
SUW	Suwalki	71.56	327	eP	LOHW	Long Hollow	73.14	46	eP	P	15 13 52.0 +1.0				
SUW	Suwalki	71.56	327	eP	SNOW	Snow King Moun	73.15	47	eP	P	15 13 52.2 +1.2				
SUW	Suwalki	71.56	327	eP	ORDU	Ordu-Boztepe	73.16	310	iP	P	15 13 51.9 +1.0				
SUW	Suwalki	71.56	327	eP	REDW	Red Top Meadpe	73.16	47	eP	P	15 13 52.4 +1.3				
SUW	Suwalki	71.56	327	eP	PKM	McPerson Creek	73.26	58	P	P	15 13 52.9 +1.2				
SUW	Suwalki	71.56	327	eP	HANI	Diyarbakir Han	73.31	307	iP	P	15 13 53.7 +1.8				
SUW	Suwalki	71.56	327	eP	ANGG	Ammassalik, Gr	73.36	360	eP	P	15 13 51.1 -0.4				
SUW	Suwalki	71.56	327	eP	LAO	LASA Array	73.37	42	P	P	15 13 52.8 +0.8				
SUW	Suwalki	71.56	327	eP	LAO	LASA Array	73.37	42	eP	P	15 13 52.4 +0.4				
SUW	Suwalki	71.56	327	eP	LAO	LASA Array	73.37	42	LR	15 13 52.4 +0.4					
SUW	Suwalki	71.56	327	eP	CWC	Cottonwood Cre	73.38	56	P	P	15 13 53.5 +1.1				
SUW	Suwalki	71.56	327	eP	TNCL	Tuncell-Merkez	73.38	308	iP	P	15 13 53.9 +1.6				
SUW	Suwalki	71.56	327	eP	SORM	Soroca	73.42	320	iP	P	15 13 52.9 +0.3				





23d 15h

Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like F38A Pierce-Schro, TUC Tucson, KSCO Kaye Shedlock, etc.

2012 MAY

Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like WLF Walferdange, G39A Holmbe, HORT Hortiatis, etc.

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Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like CBKS Cedar Bluff, CBKS Cedar Bluff, CBKS Cedar Bluff, etc.





23d 15h

MMNY	Woolly Hollow	88.84	28	eP	P	15 15 13.6	-0.4
WHAR	Woolly Hollow	88.84	42	eP	P	15 15 14.0	-0.2
V42A	Cord	88.88	41	P	P	15 15 14.1	-0.2
U43A	Rector	88.91	40	P	P	15 15 14.6	+0.1
ALLY	Algehenny Cole	88.95	30	eP	P	15 15 14.8	+0.2
W41B	Gary Mavity, V	88.95	42	P	P	15 15 14.8	+0.1
W41B	Gary Mavity, V	88.95	42	eP	P	15 15 14.2	-0.5
NCB	Newcomb	88.95	25	eP	P	15 15 14.5	-0.2
LBZ	Lake Benmore	89.00	160	eP	P	15 15 15.6	+1.2
MGQ	McQueen's Vall	89.02	158	eP	P	15 15 15.7	+1.2
ACSO	Alum Creek Sta	89.04	33	P	P	15 15 15.4	+0.4
ACSO	Alum Creek Sta	89.04	33	eP	P	15 15 15.2	+0.2
ACSO	comp=Z,1um,20.0s			LR	LR		
S46A	Don Dixon Farm	89.11	37	P	P	15 15 15.6	+0.2
VT1	Waterbury	89.13	24	eP	P	15 15 15.9	+0.5
R47A	Woolly Knot Far	89.14	36	P	P	15 15 15.8	+0.3
U44A	Portageville	89.15	39	P	P	15 15 15.5	-0.1
X40A	Basin Creek Fa	89.20	43	P	P	15 15 16.1	+0.2
X40A	Basin Creek Fa	89.20	43	eP	P	15 15 16.5	+0.6
UALR	University of	89.22	42	eP	P	15 15 16.1	+0.1
T45A	Paducah	89.22	38	P	P	15 15 16.1	+0.1
W42A	Bald Knob	89.24	41	P	P	15 15 16.1	0.0
M54A	Oil Creek Stat	89.25	30	P	P	15 15 16.6	+0.5
M54A	Oil Creek Stat	89.25	30	eP	P	15 15 16.4	+0.3
PKME	Peaks-Kenny Pk	89.29	22	P	P	15 15 16.8	+0.7
PKME	Peaks-Kenny Pk	89.29	22	eP	P	15 15 16.6	+0.5
WCI	Wyandotte Cave	89.30	36	P	P	15 15 16.7	+0.4
WCI	Wyandotte Cave	89.30	36	eP	P	15 15 16.4	+0.1
WCI	Wyandotte Cave	89.30	36	eP	P	15 15 16.4	+0.1
V43A	Jonesboro	89.31	40	P	P	15 15 16.8	+0.5
ATD	Arta Tunnel	89.33	285	P	P	15 15 18.2	+1.4
ATD	Arta Tunnel	89.33	285	eP	P	15 15 18.2	+1.4
ATD	comp=Z,220nm,0.9s,baz=345,slow=6.6,SNR=66			LR	LR	16 00 51.2	
ATD	comp=Z,748nm,19.0s,baz=40,slow=39						
ATD	Arta Tunnel	89.33	285	eP	P	15 15 18.1	+1.3
Y40A	Okolona	89.34	43	P	P	15 15 17.0	+0.4
R48A	Northridge Ran	89.35	36	P	P	15 15 17.1	+0.6
X41A	Kaden, Bauxite	89.36	42	P	P	15 15 16.8	+0.2
U44B	Burton Farm, H	89.44	39	P	P	15 15 17.4	+0.5
LBNH	Lisbon	89.47	24	P	P	15 15 17.8	+0.8
LBNH	Lisbon	89.47	24	eP	P	15 15 17.4	+0.5
LBNH	Lisbon	89.47	24	eP	P	15 15 17.4	+0.5
LBNH	comp=Z,200nm,2.0s			pmax	pmax		
435B	Jarrell	89.52	48	P	P	15 15 17.6	+0.2
T46A	Princeton	89.55	38	P	P	15 15 18.2	+0.7
V44A	Blitheville	89.59	40	P	P	15 15 17.8	+0.1
N54A	Moraine State	89.60	31	P	P	15 15 18.3	+0.6
N54A	Moraine State	89.60	31	eP	P	15 15 18.1	+0.4
WLAR	White Oak Lake	89.68	43	eP	P	15 15 17.7	-0.4
ACCN	Adirondack Com	89.69	25	eP	P	15 15 18.2	+0.1
U45A	Rockin P Farm,	89.71	39	P	P	15 15 18.3	+0.1
ODZ	Otahua Downs	89.73	160	eP	P	15 15 19.4	+1.6
X42A	Stuttgart	89.76	42	P	P	15 15 18.7	+0.3
W43A	Forest City	89.79	41	P	P	15 15 18.8	+0.2
Y41A	Eaglette Beard	89.79	43	P	P	15 15 19.2	+0.6
WVL	Waterville	89.83	22	eP	P	15 15 19.0	+0.4
Z40A	Long Farm, Mag	89.87	44	P	P	15 15 19.6	+0.6
S47A	Wiedeman Farm,	89.88	36	P	P	15 15 19.3	+0.3
T48A	Sharon Grove	89.96	37	P	P	15 15 19.9	+0.6
BINY	Binghamton	89.98	27	P	P	15 15 19.4	0.0
BINY	Binghamton	89.98	27	eP	P	15 15 19.6	+0.2
U46A	Springville	89.98	38	P	P	15 15 19.8	+0.3
V45A	Humboldt	90.11	39	P	P	15 15 20.2	+0.1
X43A	Marvell	90.16	41	P	P	15 15 20.7	+0.3
Z41A	Richland Creek	90.18	43	P	P	15 15 20.9	+0.4
T48A	Bowling Green	90.18	37	P	P	15 15 20.8	+0.3
W44A	Shelby Farms P	90.18	40	P	P	15 15 20.9	+0.5
CCAR	Cane Creek	90.19	42	eP	P	15 15 19.9	-0.6
Y42A	Garnett, Star	90.24	42	P	P	15 15 21.6	+0.8
FFD	Franklin Falls	90.25	24	eP	P	15 15 21.3	+0.8
140A	Cam and Jess,	90.26	44	P	P	15 15 21.5	+0.6
TBI	Tubuai	90.28	121	eS	S	15 25 12.0	+2.1
TBI	comp=Z,1um,30.0s						
TBI	comp=Z,2um,26.3s			eSP	SPn	15 27 20.5	+3.5
TBI	Tubuai	90.28	121	eLR	LR	15 44 03.3	
TBI	comp=Z,7um,31.8s,baz=319						
TBI	Tubuai	90.28	121	eT	T	16 54 53.3	
TRY	Troy	90.28	26	eP	P	15 15 21.1	+0.3
EMMW	East Machias	90.30	21	eP	P	15 15 20.9	+0.1
U47A	Clarksville	90.32	38	P	P	15 15 21.5	+0.4
WVT	Waverly	90.33	38	P	P	15 15 21.4	+0.3
WVT	Waverly	90.33	38	eP	P	15 15 21.2	+0.1
WVT	Waverly	90.33	38	eP	P	15 15 21.2	+0.1
WVT	comp=Z,34nm,0.9s			pmax	pmax		
833A	Chaparral WMA,	90.33	51	P	P	15 15 22.0	+0.7
NATX	Nacogdoches	90.37	45	P	P	15 15 21.8	+0.4
NATX	Nacogdoches	90.37	45	eP	P	15 15 22.2	+0.8
V46A	Holladay	90.46	39	P	P	15 15 21.8	+0.1
W45A	Hickory Valley	90.47	40	P	P	15 15 21.7	-0.1

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X44A	Crenshaw	90.53	41	P	P	15 15 22.6	+0.5
Z42A	Norrel Spur, H	90.61	43	P	P	15 15 23.0	+0.5
U48A	Cassie Pea, Po	90.61	37	P	P	15 15 22.6	+0.2
Y43A	Makyla and Ka	90.61	42	P	P	15 15 22.9	+0.4
KSPA	Keystone Collie	90.62	27	eP	P	15 15 22.6	+0.2
240A	Hunter Patters	90.63	45	P	P	15 15 23.1	+0.5
141A	Pap Simpson,	90.64	44	P	P	15 15 23.2	+0.6
SSPA	Standing Stone	90.67	29	P	P	15 15 23.1	+0.4
SSPA	Standing Stone	90.67	29	eP	P	15 15 23.0	+0.4
V47A	Nunnely	90.72	38	P	P	15 15 23.1	+0.1
O56A	Blue Knob Stat	90.74	30	P	P	15 15 23.5	+0.5
O56A	Blue Knob Stat	90.74	30	eP	P	15 15 22.5	-0.5
MCWV	Mont Chateau	90.78	31	P	P	15 15 23.9	+0.7
MCWV	Mont Chateau	90.78	31	eP	P	15 15 21.3	-1.9
W46A	Michie	90.88	39	P	P	15 15 23.6	-0.1
OXF	Oxford	90.89	40	P	P	15 15 23.9	+0.2
OXF	Oxford	90.89	40	eP	P	15 15 23.3	-0.4
OXF	Oxford	90.89	40	eP	P	15 15 23.3	-0.4
OXF	comp=Z,120nm,1.3s			pmax	pmax		
Y44A	Strider, Charl	90.93	41	P	P	15 15 24.2	+0.3
X45A	UM Field Stati	90.96	40	P	P	15 15 24.0	-0.1
Z43A	Armstrong Fami	91.02	42	P	P	15 15 24.6	+0.3
241A	Mo Tay, Galdon	91.09	44	P	P	15 15 25.9	+1.2
QUAZ	Belchertown	91.11	25	eP	P	15 15 24.9	+0.3
V48A	Smith Brothers	91.11	38	P	P	15 15 24.9	+0.1
PLAL	Pickwick Lake	91.14	39	eP	P	15 15 24.6	-0.3
HRV	Adam Dzewonsk	91.15	24	P	P	15 15 25.7	+0.9
HRV	Adam Dzewonsk	91.15	24	eP	P	15 15 25.1	+0.3
HRV	Adam Dzewonsk	91.15	24	eP	P	15 15 25.1	+0.3
HRV	comp=Z,51nm,1.0s			pmax	pmax		
W47A	Westpoint	91.15	39	P	P	15 15 25.1	+0.1
142A	Monroe	91.18	43	P	P	15 15 25.8	+0.6
N59A	State Game Lan	91.19	28	P	P	15 15 25.9	+0.8
N59A	State Game Lan	91.19	28	eP	P	15 15 25.4	+0.3
X46A	Boonville	91.25	40	P	P	15 15 25.5	+0.1
WES	Weston	91.33	24	eP	P	15 15 25.7	0.0
WES	Weston	91.33	24	eP	P	15 15 25.7	0.0
WES	comp=Z,321nm,2.0s			pmax	pmax		
143A	Socs Landing,	91.34	43	P	P	15 15 26.5	+0.6
Y45A	Yeager Farm, C	91.34	41	P	P	15 15 26.6	+0.8
Z44A	Pea Ridge, Bel	91.37	42	P	P	15 15 26.6	+0.6
BCX	Boston College	91.42	24	eP	P	15 15 26.3	+0.2
ODNJ	Ogdensburg	91.44	27	eP	P	15 15 25.7	-0.5
PAGS	Pennsylvania G	91.46	29	eP	P	15 15 26.1	-0.1
242A	Grayson	91.46	44	P	P	15 15 26.9	+0.5
341A	Kurthwood	91.50	45	P	P	15 15 27.3	+0.7
W48A	Pulaski	91.56	38	P	P	15 15 27.1	+0.3
LUPA	Lehigh Univer	91.61	28	eP	P	15 15 26.7	-0.3
X47A	Russellville	91.63	39	P	P	15 15 26.9	-0.3
Y46A	Houston	91.66	40	P	P	15 15 27.4	+0.1
Z45A	Winona	91.67	41	P	P	15 15 28.0	+0.6
BRYW	Bryant College	91.69	24	eP	P	15 15 27.6	+0.3
PAL	Palisades	91.75	26	P	P	15 15 27.9	+0.2
PAL	Palisades	91.75	26	eP	P	15 15 27.8	+0.2
PAL	Palisades	91.75	26	eP	P	15 15 27.8	+0.2
PAL	comp=Z,239nm,1.8s			pmax	pmax		
KVXT	Kingsville	91.79	50	P	P	15 15 40.0	+1.2
KVXT	comp=Z,1um,20.0s			LR	LR		
MVL	Millersville	91.79	29	eP	P	15 15 27.8	-0.1
BRNJ	Basking Ridge	91.81	27	eP	P	15 15 27.7	-0.2
144A	Alexander Plac	91.89	42	P	P	15 15 28.9	+0.4
KEST	Kesra	91.91	323	P	P	15 15 28.7	+0.1
KEST	comp=Z,48nm,0.9s,baz=323,slow=0.6,SNR=32			PP	PP	15 19 11.0	+3.4
KEST	comp=Z,18nm,1.0s,baz=323,slow=2.2,SNR=4.8			LR	LR	16 01 23.2	
KEST	comp=Z,7um,20.1s,baz=337,slow=38						
KEST	Kesra	91.91	323	eP	P	15 15 28.1	-0.1
KEST	comp=Z,66nm,0.9s			PP	PP	15 19 11.0	+3.4
342A	Flagon Creek P	91.91	44	P	P	15 15 29.2	+0.6
TZTN	Tazewell	91.91	35	P	P	15 15 28.6	+0.1
TZTN	comp=Z,328,SNR=5.6			eP	eP	15 15 28.6	+0.1
CPNY	Central Park	91.92	27	eP	P	15 15 28.5	+0.1
441A	DeRidder	91.94	45	P	P	15 15 29.2	+0.5
243A	Waterproof	91.95	43	P	P	15 15 28.8	+0.1
SWET	Sewanee	91.95	38	eP	P	15 15 28.5	-0.3
CMAH	Djebel Manchow	92.01	325	P	P	15 15 28.5	-0.5
X48A	Hartselle	92.07	39	P	P	15 15 28.9	-0.3
CAEH	Ann El Ouahq	92.12	326	P	P	15 15 29.0	-0.5
Y47A	UCPA, Winfie	92.13	40	P	P	15 15 29.4	-0.1
145A	Houston Renfro	92.16	42	P	P	15 15 30.4	+0.8
BVMS	Vickburg	92.17	42	P	P	15 15 30.2	+0.4
PSUB	Penn St. - Bra	92.18	28	eP	P	15 15 29.5	-0.1
Z46A	Louisville	92.18	41	P	P	15 15 30.3	+0.6
244A	Avery, Jackson	92.23	43	P	P	15 15 30.8	+0.8
ABSA	Djebel Ababsia	92.28	325	P	P	15 15 29.8	-0.5
343A	Vid						

250A	baz=326	94.47	40	P	P	15 15 40.3	0.0
COI	baz=326	94.51	338	ePP	PP	15 19 29.5	+1.8
349A	Colimbra Repton	94.53	41	P	PP	15 15 41.0	+0.4
448A	Bay Minette	94.55	41	P	P	15 15 40.7	0.0
GOGA	Godfrey	94.58	37	P	P	15 15 41.1	+0.3
GOGA	Godfrey	94.58	37	eP	P	15 15 41.0	+0.2
GOGA	comp=Z,10m,0.8s			LR	LR		
GOGA	Godfrey	94.58	37	eP	pmax	15 15 41.0	+0.2
GOGA	comp=Z,1.1m,0.8s			MLR	MLR		
PCBR	Castelo Branco	94.58	337	eP	P	15 15 40.7	0.0
PCBR	Castelo Branco	94.58	337	ePP	PP	15 19 30.2	+2.0
PCAS	Casmilo, Conde	94.68	338	eP	PP	15 15 40.9	-0.3
PCAS	Casmilo, Conde	94.68	338	ePP	PP	15 19 31.5	+2.5
BRAL	Brewton	94.75	41	P	PP	15 15 50.0	+8.4
BRAL	Brewton	94.75	41	PFAKE	LR		
251A	Midway	94.78	39	P	P	15 15 41.5	-0.2
PMRV	Marv??o	94.94	337	eP	P	15 15 42.3	-0.1
PMRV	Marv??o	94.94	337	eS	PP	15 19 33.2	+2.2
PMRV	Marv??o	94.94	337	eP	PP	15 26 51.8	+0.4
PMRV	Marv??o	94.94	337	eLQ	LQ	15 44 14.5	
PMRV	Marv??o	94.94	337	eLR	LR	15 47 32.2	
449A	Pace	95.00	41	P	P	15 15 43.5	+0.7
153A	Fort Valley	95.05	38	P	P	15 15 43.1	+0.1
PTOM	Tomar	95.06	338	ePP	PP	15 19 32.2	+3.3
EANR	'Ain N'Sour	95.17	329	P	P	15 15 42.7	-0.8
252A	Lumpkin	95.18	39	P	P	15 15 43.7	+0.1
450A	Crestview	95.28	40	P	P	15 15 44.5	+0.5
351A	Pinckard	95.36	40	P	P	15 15 44.7	+0.3
CNCC	Cliffs of the	95.38	32	PFAKE	LR	15 16 00.0	+1.6
253A	Americus	95.41	38	P	P	15 15 44.7	+0.1
154A	Montrose	95.41	37	P	P	15 15 44.4	-0.2
PESTR	Estremoz	95.52	337	eP	P	15 15 44.5	-0.5
PESTR	Estremoz	95.52	337	eP	P	15 15 45.0	0.0
PESTR	Estremoz	95.52	337	ePP	PP	15 19 36.3	+0.8
PESTR	Estremoz	95.52	337	eP	PP	15 15 44.6	-0.4
PMTG	Montargil	95.52	337	ePP	PP	15 19 37.4	+1.9
352A	Blakely	95.52	39	P	PP	15 15 45.4	+0.3
ALMR	Almeirim	95.54	338	eP	PP	15 15 44.7	-0.3
ALMR	Almeirim	95.54	338	ePP	AMS	15 19 36.3	+0.7
ALMR	Almeirim	95.54	338	eP	AMS	16 02 55.5	
ALMR	Almeirim	95.54	338	eP	AMS	15 15 44.3	-0.8
ETRT	Tiaret	95.58	329	P	P	15 15 45.2	-0.3
155A	Kite	95.69	37	P	P	15 15 46.2	+0.3
451A	Vernon	95.84	40	P	P	15 15 47.1	+0.5
254A	Abbeyville	95.89	37	P	P	15 15 47.6	+0.8
452A	Marianna	95.92	39	P	P	15 15 45.5	-1.4
EVO	Evora	95.95	337	ePP	PP	15 19 40.3	+1.5
353A	Camilla	95.96	38	P	PP	15 15 47.1	0.0
PBAR	Barrancos	95.99	336	eP	P	15 15 47.0	-0.1
PBAR	Barrancos	95.99	336	ePP	PP	15 19 40.7	+1.6
LIS	Lisbon	96.11	338	ePP	PP	15 15 47.3	-0.3
LIS	Lisbon	96.11	338	ePP	PP	15 19 40.7	+0.7
TIGA	Tifton	96.18	38	P	PP	15 15 48.7	+0.6
NHSC	New Hope	96.28	35	PFAKE	LR	15 16 00.0	+1.1
453A	Whigham	96.33	39	P	P	15 15 50.0	+1.2
PBEJ	Beja	96.37	337	eP	P	15 15 48.8	-0.1
PBEJ	Beja	96.37	337	ePP	PP	15 19 43.8	+1.7
552A	Lynn Haven	96.46	40	P	PP	15 15 50.1	+0.7
PNCL	Nicolau / Gran	96.49	337	eP	P	15 15 49.5	+0.1
PNCL	Nicolau / Gran	96.49	337	ePP	PP	15 19 45.1	+2.1
256A	Grenville	96.50	36	P	PP	15 15 50.0	+0.4
355A	Pearson	96.60	38	P	P	15 15 50.1	+0.1
MESJ	Messejana	96.65	337	eP	PP	15 15 49.9	-0.2
MESJ	Messejana	96.65	337	ePP	PP	15 19 44.9	+0.7
MESJ	Messejana	96.65	337	eS	SKSac	15 26 20.2	-1.3
MESJ	Messejana	96.65	337	eP	AMS	16 04 55.3	
454A	Quitman	96.77	38	P	P	15 15 51.1	+0.3
PCVE	Castro Verde	96.79	337	eP	P	15 15 51.3	+0.5
PCVE	Castro Verde	96.79	337	ePP	PP	15 19 46.5	+1.2
553A	Crawfordville	96.83	39	P	P	15 15 50.8	-0.2
PVAQ	Vaqueiros	96.90	336	eP	P	15 15 51.5	+0.2
PVAQ	Vaqueiros	96.90	336	ePP	PP	15 19 47.7	+1.5
PVAQ	Vaqueiros	96.90	336	eLR	LR	15 49 07.5	
356A	Blackshear	96.94	37	P	P	15 15 52.2	+0.6
455A	Stateville	97.02	38	P	Pdf	15 15 52.7	+0.7
PTEO	Sao Teotonio	97.07	337	eP	P	15 15 52.0	-0.1
PTEO	Sao Teotonio	97.07	337	ePP	PP	15 19 50.5	+3.0
PBDV	Barrao-do-Ve	97.12	336	eP	P	15 15 52.1	-0.2
PBDV	Barrao-do-Ve	97.12	336	ePP	PP	15 19 50.0	+2.1
554A	Perry	97.27	39	P	Pdf	15 15 53.5	+0.4
MORF	Marinete	97.27	337	eP	PP	15 15 52.6	-0.4
MORF	Marinete	97.27	337	ePP	PP	15 19 49.9	+0.8
MORF	Marinete	97.27	337	eP	AMS	16 04 05.4	
MORF	Marinete	97.27	337	eP	AMS	15 15 53.1	0.0
MORF	Marinete	97.27	337	ePP	PP	15 19 50.0	+0.9
PVFI	Vila Bispo	97.49	337	eP	Pdf	15 15 54.3	+0.3
456A	Vila Bispo	97.49	337	ePP	PP	15 19 51.2	+0.5
PFVI	Hilliard	97.50	37	P	Pdf	15 15 54.7	+0.5
556A	Lake Butler	97.93	38	P	Pdf	15 15 56.8	+0.7
655A	Horseshoe Beach	97.95	39	P	Pdf	15 15 56.4	+0.2
656A	Wilston	98.41	38	P	Pdf	15 15 58.9	+0.4
657A	Interlachen	98.53	38	P	P	15 15 57.0	-0.9
RKT	Rikitea	99.86	112	ePP	PP	15 20 12.6	+2.2
RKT	comp=Z,235nm,39.0s			eSKSac	SKSac	15 26 39.7	+2.0
RKT	comp=Z,973nm,30.6s			eS	SS	15 28 59.7	-2.4
RKT	comp=Z,1.1m,33.0s			eS	SS	15 34 28.5	+0.7
RKT	comp=Z,1.1m,31.0s			eS	SS		

CMLA	Cha da Macela	100.45	350	PFAKE	LR	15 16 20.0	+1.3
CMLA	comp=Z,1.1m,20.0s			LR	LR		
KMBO	Kilima Mbogo	101.89	279	PFAKE	LR	15 16 30.0	+1.6
KMBO	Kilima Mbogo	101.89	279	P	Pdf	15 15 14.8	+0.5
BBSR	BB Station	102.58	23	PFAKE	LR	15 16 30.0	+1.3
BBSR	BB Station	102.58	23	P	LR		
PMOZ	Porto Moniz, M	103.76	342	eLR	LR	15 51 03.5	
PMOZ	comp=Z,905nm,22.0s			LR	LR		
CASY	Casey	110.03	193	PFAKE	LR	15 21 00.0	
CASY	Casey	110.03	193	P	LR		
GRTK	Grand Turk	110.25	33	PFAKE	LR	15 21 00.0	
GRTK	Grand Turk	110.25	33	P	LR		
JTS	JuntasAbangare	112.81	51	PFAKE	LR	15 21 00.0	
JTS	JuntasAbangare	112.81	51	P	LR		
TORD	Torodi Ar. Bea	114.61	317	PKP	PKPdf	15 21 00.1	-0.3
TORD	comp=Z,2.4nm,0.5s,ba=20,slow=1.8,SNR=15			PKP	PKP	15 21 51.8	-5.7
TORD	comp=Z,58nm,1.2s,ba=26,slow=4.0,SNR=10			PKP	PKP	15 21 37.8	+0.7
TORD	comp=Z,0.6nm,0.6s,ba=231,slow=3.2,SNR=4.0			PKP	PKP	15 21 03.5	0.0
KOWA	Kowa	116.22	323	PKP	PKPdf	15 21 02.8	-0.8
KOWA	comp=Z,4.4nm,0.6s,ba=37,slow=2.7,SNR=12			PKP	PKP	15 21 20.0	+1.6
KOWA	Kowa	116.22	323	ePKPdf	PKPdf	15 21 02.8	-0.8
BCIP	Isla Barro Col	116.65	48	PFAKE	LR	15 21 20.0	+1.6
BCIP	Isla Barro Col	116.65	48	P	LR		
ANWB	Wilby Bob	117.23	26	PFAKE	LR	15 21 20.0	+1.5
ANWB	Wilby Bob	117.23	26	P	LR		
LSZ	Lusaka	117.85	274	ePKPdf	PKPdf	15 21 06.5	-0.1
LSZ	Lusaka	117.85	274	P	PKPdf	15 21 06.7	0.0
LSZ	Lusaka	117.85	274	ePKPdf	PKPdf	15 21 06.6	-0.1
LSZ	Lusaka	117.85	274	P	PKPdf	15 21 06.7	0.0
VNDA	Vanda	119.23	175	PKP	PKPdf	15 21 07.8	+0.4
VNDA	comp=Z,8.7nm,1.0s,ba=31,slow=3.8,SNR=20			PKP	PKP	15 21 23.5	+1.5
VNDA	Vanda	119.23	175	ePKPdf	PKPdf	15 21 07.5	+0.1
VNDA	Vanda	119.23	175	ePKPdf	PKP	15 21 23.5	+1.5
SBA	Scott Base	119.89	174	ePKPdf	PKPdf	15 21 09.4	+0.8
SBA	Scott Base	119.89	174	ePKPdf	PKPdf	15 21 09.4	+0.8
RPN	Rapa Nui	120.79	100	PFAKE	LR	15 21 20.0	+8.1
RPN	Rapa Nui	120.79	100	P	LR		
SDV	Santo Domingo	121.64	39	PKP	PKPdf	15 21 14.3	+0.1
SDV	Santo Domingo	121.64	39	ePKPdf	PKPdf	15 21 13.5	-0.7
SDV	Santo Domingo	121.64	39	eP	PKPdf	15 21 14.2	0.0
PTBC	PUERTO BERRIO	121.75	44	eP	PKPdf	15 21 13.6	-0.7
BGGH	Gun Hill	122.19	25	PFAKE	LR	15 21 30.0	+1.5
BGGH	Gun Hill	122.19	25	P	LR		
SACV	Santiago Islan	122.42	344	PFAKE	LR	15 21 30.0	+1.5
SACV	Santiago Islan	122.42	344	P	LR		
GRGR	Grenville	122.43	28	PFAKE	LR	15 21 30.0	+1.5
GRGR	Grenville	122.43	28	P	LR		
RREF	El Recreo	122.64	46	eP	PKPdf	15 21 19.6	+2.8
YOTC	Yotoco, Valle	122.86	48	eP	PKPdf	15 21 15.8	-0.7
RUSC	La Rusia	123.01	43	eP	PKPdf	15 21 15.1	-2.2
PCRV	Puerto La Cruz	123.11	32	PKP	PKPdf	15 21 15.8	-1.0
PCRV	comp=Z,4.9nm,0.5s,ba=32,slow=3.6,SNR=2.8			PKP	PKP	15 21 17.4	+0.2
HORQ	Saladito	123.11	48	eP	PKPdf	15 21 17.4	+0.2
DBIC	Dimbokro	123.44	320	PKP	PKPdf	15 21 17.6	+0.1
DBIC	Dimbokro	123.44	320	eP	PKP	15 22 56.7	-1.6
DBIC	Dimbokro	123.44	320	ePKPdf	PKPdf	15 21 16.6	-0.8
DBIC	Dimbokro	123.44	320	eP	PKP	15 22 56.7	-1.6
DBIC	Dimbokro	123.44	320	ePKP	PKP	15 21 16.7	-0.8
DBIC	Dimbokro	123.44	320	ePKP	PKP	15 21 17.3	-0.4
TIC	Toumoudi	123.54	320	ePKP	PKP	15 21 17.3	-0.4
KIC	Kosan Boko	123.65	319	ePKP	PKP	15 21 17.4	-0.5
KIC	Kosan Boko	123.65	319	ePKP	PKP	15 21 17.4	-0.5
MAW	Mawson	123.66	207	PKP	PKPdf	15 21 16.8	+0.7
MAW	comp=Z,14nm,0.8s,ba=32,slow=1.8,SNR=13			PKP	PKP	15 21 16.4	+0.1
MAW	Mawson	123.66	207	ePKPdf	PKP	15 21 16.8	+0.7
MAW	Mawson	123.66	207	ePKP	PKP	15 21 16.5	+0.4
CHIC	Chingaza	123.74	45	eP	PKPdf	15 21 18.3	-0.3
PRAC	Prado	123.88	46	ePKPdf	PKP	15 21 17.8	-0.6
PRAC	Prado	123.88	46	ePKP	PKP	15 21 24.4	+6.1
LIC	Lamto	123.91	319	ePKP	PKP	15 21 17.7	-0.7
LIC	Lamto	123.91	319	ePKP	PKP	15 21 17.7	-0.7
SOTA	Rioblanco	124.23	49	eP	PKP	15 21 15.0	-4.6







MAN 23 17:07:47.7, 12.74N, 121.07E, h58km, mb4.3, ML3.2, MS2.9, 1D, Mindoro
Code Station Name Az AZZ Phase ID Time Res
SJMPP San Jose 0.28 171 eP Op ISC h m s ISC

CSEM 23 17:11:11.2, 0.5, 36.95N, 27.72E, h1km, ML2.1, Error ellipse: s-maj=11.4km s-min=9.1km az=10.0, Suspected Mining explosion.
ISK 23 17:11:11.4, 0.7, 37.01N, 27.62E, h4km, ML2.6/6

Code Station Name Az AZZ Phase ID Time Res
MLSB Milas 0.24 360 PG Pp 17 11 18.3 +2.6
MLSB Milas 0.24 360 eP Gb 17 11 18.3 +2.6
BDRM Kayabasi 0.27 273 i P Sg 17 11 16.1 0.0

ISCJB 23 17:24:42.3, 0.4, 59.68N, 0.03, -24.48E, 0.06, h0km, Error ellipse: s-maj=4.6km s-min=3.7km az=173.3
NAO 23 17:24:44.3, 0.9, 59.71N, 24.53E, ML2.5

Code Station Name Az AZZ Phase ID Time Res
MEF Metsahovi 0.47 352 eP Pp 17 24 54.3 +0.4
MEF Metsahovi 0.47 352 eS Sb 17 25 01.2 -0.2
MEF SNR=90 0.47 352 eS Sb 17 24 54.3 +0.4

ISC 23 17:24:42.7, 0.7, 59.75N, 0.02, -24.53E, 0.03, h0km, n33, r134/54, Baltic States-Belarus-Northwestern Russia

Code Station Name Az AZZ Phase ID Time Res
FIAO FINESS Array S 1.86 24 Pn Pg 17 25 18.8 +0.5
FIAO FINESS Array S 1.86 24 Pn Pg 17 25 18.8 +0.5
FIAO FINESS Array S 1.86 24 Pn Pg 17 25 18.8 +0.5

HFS Lg Lg 17 27 30.6
NRAO NORESS Array S 6.54 284 Pn Pn 17 26 20.2 +0.1
NRAO baz=99, slow=14
NRAO baz=96, slow=28

MEX 23 17:32:33.9, 0.3, 14.79N, 93.74W, h8km, 27km, MD4.1, Near coast of Chiapas

Code Station Name Az AZZ Phase ID Time Res
PCIG 1.04 29 eP Op ISC h m s ISC
PCIG 1.04 29 eS Pp 17 32 50.9 -3.1
PCIG 1.04 29 eP Sg 17 33 04.3 -3.2

ISC 23 17:38:54.9, 1.5, 11.02N, 126.49E, h0km, mb3.8/7, mb1 4.0/7, mb1mx3.5/63, mbtmp3.8/7, Error ellipse: s-maj=179.8km s-min=17.8km az=68.0

Code Station Name Az AZZ Phase ID Time Res
SCPH Surigao 0.78 187 eP Op ISC h m s ISC
SCPH 0.78 187 eS Pp 17 39 28.9 -0.1
SCPH 0.78 187 eS Pp 17 39 42.0 -1.4

ISCJB 23 17:41:21.5, 0.7, 34.37N, 0.04, 140.27E, 0.07, h82km, 6km, mb3.5/3, Error ellipse: s-maj=10.4km s-min=6.0km az=161.3

Code Station Name Az AZZ Phase ID Time Res
BSO3 Boso 3 0.46 24 Op Pp 17 41 35.1 +0.6
BSO3 Boso 3 0.46 24 X P 17 41 45.5
BSO4 Boso 4 0.61 4 P Pn 17 41 36.9 +0.7

0.3nm, 0.2s, baz=90, slow=7.8, SNR=3.8
WRA Warramunga Arr 54.32 187 P P 17 50 40.5 -0.9

ISCJB 23 17:50:25.9, 0.2, 1.01N, 0.04, 27.71W, 0.03, h10km, ms5.0/201, MS4.5/145, Error ellipse: s-maj=6.1km s-min=4.0km az=171.8
IDC 23 17:50:25.6, 0.4, 0.84N, 27.61W, h0km, mb4.6/38, mb1 4.4/39, mb1mx4.5/65, mbtmp4.6/39, ML4.7/1, MS4.4/45, Ms1 4.4/45, ms1mx4.4/49, Error ellipse: s-maj=13.4km s-min=9.8km az=148.0

Code Station Name Az AZZ Phase ID Time Res
RCBR Riachuelo 10.46 231 Op Pn 17 52 56.8 -0.3
RCBR Riachuelo 10.46 231 eP Pn 17 52 58.1 +1.0
RCBR Riachuelo 10.46 231 eP Pn 17 54 48.3 -6.1



Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like TSUM, KEST, KEST, TRQA, TRQA, NNA, LCO, LCO, OTAV, OTAV, BCIP, BCIP, PCL, PCL, VAE, VAE, BNI, BNI, GO05, GO05, ECH, ECH, EMMW, EMMW, DOU, DOU, BFO, BFO, PLCA, PLCA, PLCA, PLCA, BRYW, BRYW, HRV, HRV, MEM, MEM, LSZ, LSZ, PKME, PKME, PKME, PKME, LBTB, LBTB, QUAA, QUAA, JTS, JTS, PJI, PJI, PAL, PAL, PAL, PAL, CNNC, CNNC, ESK, ESK, EKA, EKA, EKA, EKA, HNH, HNH, OSUB, OSUB, ODNJ, ODNJ, LBNH, LBNH, LBNH, LBNH, BOSA, BOSA, BOSA, BOSA, MBAR, MBAR, MBAR, MBAR, LUPA, LUPA, TRY, TRY, NHSC, NHSC, NHSC, NHSC, CBN, CBN, CBN, CBN, IP05, IP05, JSRW, JSRW, MVL, MVL, SMDM, SMDM, N59A, N59A, N59A, N59A, 257A, 257A, TTG, TTG, IP01, IP01, SPRD, SPRD, IP06, IP06, IP07, IP07, IP03, IP03, IP04, IP04, KSPA, KSPA, NCB, NCB, NCB, NCB, GEAD, GEAD, GEAD, GEAD, GERES, GERES, GERES, GERES, FRNY, FRNY, FRNY, FRNY, IDI, IDI, IDI, IDI, 256A, 256A, KHC, KHC, KHC, KHC, KHC, KHC, BINY, BINY, NKC, NKC, NKC, NKC.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like 655A, 655A, LONY, LONY, LONY, LONY, SSPA, SSPA, 155A, 155A, DIVS, DIVS, KMSC, KMSC, 554A, 554A, BLA, BLA, BLA, BLA, O56A, O56A, PRU, PRU, PRU, PRU, GOPC, GOPC, GOPC, GOPC, 154A, 154A, CLL, CLL, CLL, CLL, ZST, ZST, ZST, ZST, BRG, BRG, BRG, BRG, PVCC, PVCC, PVCC, PVCC, MCWV, MCWV, MCWV, MCWV, MODS, MODS, MMNY, MMNY, GOGA, GOGA, GOGA, GOGA, GOGA, GOGA, 253A, 253A, VTS, VTS, VTS, VTS, CHRN, CHRN, N54A, N54A, UPC, UPC, UPC, UPC, M54A, M54A, M54A, M54A, PLVO, PLVO, PLVO, PLVO, DPC, DPC, DPC, DPC, VYHS, VYHS, MORC, MORC, ERPA, ERPA, ERPA, ERPA, PSZ, PSZ, PSZ, PSZ, TKL, TKL, TKL, TKL, 251A, 251A, 251A, 251A, OAK, OAK, OAK, OAK, TZN, TZN, TZN, TZN, SCHO, SCHO, SCHO, SCHO, SADO, SADO, SADO, SADO, SADO, SADO, 150A, 150A, 150A, 150A, Z50A, Z50A, Z50A, Z50A, Y50A, Y50A, Y50A, Y50A, APG, APG, APG, APG, ACSO, ACSO, ACSO, ACSO, ACSO, ACSO, OJ, OJ, OJ, OJ, BRAL, BRAL, BRAL, BRAL, 449A, 449A, 449A, 449A, 349A, 349A, 349A, 349A, Z49A, Z49A, Z49A, Z49A, CRVS, CRVS, Y49A, Y49A, 249A, 249A, 249A, 249A, STHS, STHS, SWET, SWET, X49A, X49A, X49A, X49A, LRAL, LRAL, LRAL, LRAL, Y48A, Y48A, Y48A, Y48A, Z48A, Z48A, Z48A, Z48A, W48A, W48A, W48A, W48A, MLR, MLR, MLR, MLR, 449A, 449A, 449A, 449A, S48A, S48A, S48A, S48A, KWP, KWP, KWP, KWP, AAM, AAM, AAM, AAM, T48A, T48A, T48A, T48A, KMB0, KMB0, R48A, R48A, Z47A, Z47A, Y47A, Y47A, WCI, WCI, WCI, WCI.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like X47A, X47A, W47A, W47A, BUR0, BUR0, V47A, V47A, U47A, U47A, T47A, T47A, R47A, R47A, PLAL, PLAL, Q47A, Q47A, P47A, P47A, WVT, WVT, WVT, WVT, X46A, X46A, X46A, X46A, V46A, V46A, V46A, V46A, W46A, W46A, O47A, O47A, Y46A, Y46A, T46A, T46A, S46A, S46A, R46A, R46A, Z46A, Z46A, Q46A, Q46A, P46A, P46A, M46A, M46A, N46A, N46A, SFIN, SFIN, SFIN, SFIN, R45A, R45A, OLIL, OLIL, P45A, P45A, S45A, S45A, Q45A, Q45A, O45A, O45A, N45A, N45A, F46A, F46A, NB2, NB2, NOA, NOA, NOA, NOA, X44A, X44A, ANTO, ANTO, ANTO, ANTO, HFS, HFS, HFS, HFS, S44A, S44A, R44A, R44A, T44A, T44A, P44A, P44A, N44A, N44A, O44A, O44A, F45A, F45A, Q44A, Q44A, M44A, M44A, 143A, 143A, BR131, BR131, BRTR, BRTR, S43A, S43A, T43A, T43A, R43A, R43A, Q43A, Q43A, SFJ3, SFJ3, 342A, 342A, 242A, 242A, P43A, P43A, E44A, E44A, O43A, O43A, F44A, F44A, Y42A, Y42A, HDIL, HDIL, HDIL, HDIL, N43A, N43A, K43A, K43A, M43A, M43A, L43A, L43A, W42A, W42A, Y42A, Y42A, H42A, H42A, H42A, H42A, I43A, I43A, J43A, J43A, F43A, F43A, Q42A, Q42A, R42A, R42A, P42A, P42A.

241A	Mo Tay, Goldon	68.73	304	P	P	18 01 30.4	-0.9
E43A	Lone Tree Farm	68.74	320	P	P	18 01 30.4	-0.7
G43A	Wallace	68.76	319	P	P	18 01 30.3	-0.9
341A	Kurthwood	68.78	303	P	P	18 01 30.7	-1.0
M42A	Sheffield	68.86	315	P	P	18 01 30.8	-1.2
N42A	Yates City	68.86	314	P	P	18 01 31.0	-1.0
Y41A	Eglette Beard	68.91	306	P	P	18 01 31.8	-0.7
Z41A	Richland Creek	68.92	305	P	P	18 01 31.4	-1.0
CCM	Cathedral Cave	68.93	311	P	P	18 01 31.7	-0.8
CCM	Cathedral Cave	68.93	311	eP	P	18 01 31.3	-1.1
W41B	Gary Mavity, V	68.94	308	P	P	18 01 31.4	-1.1
L42A	Oliver, Polo	68.98	315	P	P	18 01 31.5	-1.2
U41A	Viola	68.98	309	P	P	18 01 31.4	-1.4
WHAR	Woolly Hollow	69.00	308	eP	P	18 01 32.2	-0.7
K42A	Prairie Point,	69.01	316	P	P	18 01 32.0	-0.9
V41A	Mountainview	69.02	308	P	P	18 01 31.8	-1.4
J42A	Columbus	69.04	317	P	P	18 01 32.4	-0.6
T41A	Mountain View	69.05	310	P	P	18 01 32.2	-1.1
AK11	Malin Array S1	69.06	35	eP	P	18 01 32.4	-0.6
I42A	Draeger Farm,	69.09	317	P	P	18 01 32.8	-0.5
I42A	Draeger Farm,	69.09	317	eP	P	18 01 32.5	-0.8
R41A	Rosebud	69.10	311	P	P	18 01 32.6	-1.0
AKASG	Malin Array Be	69.10	35	P	P	18 01 32.3	-0.2
AKBB	Malin Array S1	69.10	35	eP	P	18 01 32.4	-0.9
Q41A	Truxton	69.18	312	P	P	18 01 33.0	-1.0
S41A	Jillico Farms,	69.18	310	P	P	18 01 33.3	-0.8
X40A	Basin Creek Fa	69.24	307	P	P	18 01 33.3	-0.7
G42A	Mountain	69.24	319	P	P	18 01 33.7	-0.6
G42A	Mountain	69.24	319	eP	P	18 01 33.4	-0.9
O41A	Passleys Farm,	69.26	313	P	P	18 01 32.8	-1.6
P41A	Barry, Barry	69.26	312	P	P	18 01 32.9	-1.5
E42A	Champion	69.34	320	P	P	18 01 33.6	-1.2
M41A	Milan	69.40	314	P	P	18 01 33.9	-1.4
Z40A	Long Farm, Mag	69.41	305	P	P	18 01 35.0	-0.5
140A	Cain and Jess,	69.41	305	P	P	18 01 34.6	-1.0
N41A	Harden Midland	69.42	314	P	P	18 01 34.2	-1.2
Y40A	Okolona	69.48	306	P	P	18 01 34.6	-1.3
V40A	Witts Springs	69.55	308	P	P	18 01 35.1	-1.3
V40A	Witts Springs	69.55	308	eP	P	18 01 35.0	-1.5
L41A	Preston	69.59	315	P	P	18 01 35.2	-1.2
W40A	Ferguson Farm,	69.60	307	P	P	18 01 36.2	-0.4
W40A	Ferguson Farm,	69.60	307	eP	P	18 01 35.8	-0.8
K41A	Shullsburg	69.62	316	P	P	18 01 35.6	-1.0
FRB	Frobisher Bay	69.65	342	P	P	18 01 35.1	-1.2
T40A	Mansfield	69.66	310	P	P	18 01 36.5	-0.6
J41A	Loganville	69.66	316	P	P	18 01 36.2	-0.7
JFWS	Jewell Farm	69.68	316	P	P	18 01 36.2	-0.8
JFWS	Jewell Farm	69.68	316	eP	P	18 01 36.0	-1.0
JFWS	Jewell Farm	69.68	316	LR	LR		
U40A	Yellville	69.72	309	P	P	18 01 36.1	-1.2
G41A	Antigo	69.73	319	P	P	18 01 36.7	-0.6
SCO	Scoresbysund	69.74	2	eP	P	18 01 36.2	-0.6
S40A	Lebanon	69.76	310	P	P	18 01 37.0	-0.7
R40A	Maddies Statio	69.77	311	P	P	18 01 36.5	-1.2
I41A	Arkdale	69.80	317	P	P	18 01 37.0	-0.7
H41A	Junction City	69.84	318	P	P	18 01 37.0	-1.0
MIAR	Mount Ida	69.85	307	P	P	18 01 37.1	-1.2
MIAR	Mount Ida	69.85	307	PFAKE	LR	18 01 50.0	+1.2
MIAR	Mount Ida	69.85	307	LR	LR		
F41A	Three Lakes	69.86	319	P	P	18 01 37.3	-0.8
P40A	Paris	69.95	312	P	P	18 01 37.4	-1.3
O40A	La Belle	69.99	313	P	P	18 01 37.7	-1.2
D41A	Chassel	70.00	321	P	P	18 01 38.0	-0.8
N40A	Mertquake, Sal	70.00	314	P	P	18 01 37.8	-1.2
COWI	Conover	70.02	319	eP	P	18 01 38.1	-0.9
COWI	Conover	70.02	319	LR	LR		
E41A	Kenton	70.03	320	P	P	18 01 38.5	-0.7
L40A	Anamosa	70.09	315	P	P	18 01 38.7	-0.9
M40A	Post Highland	70.10	314	P	P	18 01 38.4	-1.2
NATX	Nacogdoches	70.12	304	P	P	18 01 39.5	-0.4
NATX	Nacogdoches	70.12	304	PFAKE	LR	18 01 50.0	+1.0
NATX	Nacogdoches	70.12	304	LR	LR		
W39A	Magazine	70.17	307	P	P	18 01 39.2	-0.9
W39A	Magazine	70.17	307	eP	P	18 01 39.3	-0.8
J40A	Soldiers Grove	70.18	316	P	P	18 01 39.0	-1.0
V39A	Pettigrew	70.21	308	P	P	18 01 39.4	-1.1
U39A	Green Forest	70.21	309	P	P	18 01 39.4	-1.1
K40A	Colesburg	70.23	316	P	P	18 01 39.8	-0.4
I40A	Norwalk	70.25	317	P	P	18 01 40.2	-0.3
X39A	Fountain Ranch	70.27	306	P	P	18 01 40.5	-0.3
T39A	Cleave	70.29	309	P	P	18 01 39.9	-1.0
R39A	Chumby, Stover	70.36	311	P	P	18 01 40.9	-0.5
S39A	Bolivar	70.42	310	P	P	18 01 40.8	-0.8
G40A	Rib Lake	70.42	318	P	P	18 01 40.8	-0.8
P39B	Salisbury	70.46	312	P	P	18 01 40.9	-1.0
Q39A	Willow Grove F	70.51	311	P	P	18 01 41.2	-1.0

Q39A	Kirksville	70.52	313	P	P	18 01 41.3	-0.9
HHAR	Hobbs	70.55	308	eP	P	18 01 41.1	-1.4
F40A	Park Falls	70.59	319	P	P	18 01 41.7	-0.9
M39A	Webster	70.60	314	P	P	18 01 41.5	-1.1
E40A	Wakefield	70.63	320	P	P	18 01 41.7	-1.1
N39A	Derby Farms, D	70.66	313	P	P	18 01 41.9	-1.2
C40A	Ile Royale Na	70.68	321	P	P	18 01 41.9	-1.1
K39A	Oelwein	70.76	315	P	P	18 01 42.3	-1.3
J39A	Decorah	70.83	316	P	P	18 01 42.7	-1.3
S38A	Stockton	70.85	310	P	P	18 01 43.4	-0.9
I39A	Houston	70.86	317	P	P	18 01 43.3	-0.9
Q38A	Cooks Store, C	70.97	311	P	P	18 01 44.2	-0.7
R38A	Fenwick Farm,	70.99	310	P	P	18 01 44.0	-1.1
T38A	Diamond	71.00	309	P	P	18 01 44.3	-1.0
E39A	Mellen	71.03	319	P	P	18 01 44.5	-0.8
G39A	Holcombe	71.08	318	P	P	18 01 44.5	-1.0
P38A	Dawn	71.08	312	P	P	18 01 45.0	-0.6
F39A	Loretta	71.12	319	P	P	18 01 44.2	-1.6
O38A	Galt	71.17	312	P	P	18 01 45.5	-0.7
N38A	Joess South For	71.17	313	P	P	18 01 45.0	-1.2
C39A	Grand Marais	71.26	321	P	P	18 01 45.0	-1.5
M38A	Pleasantville	71.32	314	P	P	18 01 46.0	-1.1
K38A	Parkersburg	71.36	315	P	P	18 01 45.7	-1.6
SCIA	State Center	71.47	314	PFAKE	LR	18 02 00.0	+1.2
SCIA	State Center	71.47	314	LR	LR		
I38A	Scanlan Farm,	71.47	317	P	P	18 01 46.4	-1.5
Q37A	Longview Farm,	71.58	311	P	P	18 01 47.7	-1.0
H38A	Maiden Rock	71.63	317	P	P	18 01 47.8	-1.1
O37A	Wolven Farm, M	71.68	312	P	P	18 01 48.1	-1.2
P37A	Lathrop	71.68	312	P	P	18 01 48.6	-0.7
E38A	The Farm, Brul	71.76	319	P	P	18 01 48.4	-1.2
F38A	Pierce Schro	71.76	319	P	P	18 01 48.6	-1.1
TUL1	Leonard	71.92	308	P	P	18 01 49.9	-0.9
H37A	Dierke Farm, C	72.04	317	P	P	18 01 50.4	-0.9
SUMG	Summit	72.06	357	eP	P	18 01 50.4	-1.1
J37A	Redenius Farm,	72.11	316	P	P	18 01 50.6	-1.2
SPMN	Marine on St.	72.15	318	P	P	18 01 51.5	-0.5
EYMN	Ely	72.17	321	P	P	18 01 50.4	-1.7
EYMN	Ely	72.17	321	eP	P	18 01 50.3	-1.7
EYMN	Ely	72.17	321	LR	LR		
VNA1	Newayer-Stat	72.40	173	P	P	18 01 55.7	+2.8
D37A	Cotton	72.50	320	P	P	18 01 53.4	-0.7
C37A	Embarrass	72.53	320	P	P	18 01 52.5	-1.8
K36A	Gilmore City	72.55	315	P	P	18 01 53.7	-0.8
L36A	Harm Buss Farm	72.56	314	P	P	18 01 53.7	-0.8
I36A	Fitzsimmons Fa	72.63	316	P	P	18 01 53.1	-1.7
G36A	St. Michael	72.80	317	P	P	18 01 55.2	-0.6
VNA3	Neumayer Olymp	72.80	174	P	P	18 01 57.4	+2.1
F36A	Milaca	72.83	318	P	P	18 01 54.5	-1.5
E36A	McGregor	72.85	319	P	P	18 01 54.5	-1.6
FINES	FINESS Array B	72.85	24	P	P	18 01 56.1	+0.4
FI A1	FINESS Array S	72.85	24	eP	P	18 01 55.8	0.0
FI A1	FINESS Array S	72.85	24	P	P	18 01 56.8	+1.0
C36A	Pine Crest Far	72.96	320	P	P	18 01 55.6	-1.2
D36A	Goodland	72.99	320	P	P	18 01 55.8	-1.2
KSU1	Kansas State U	73.26	311	PFAKE	LR	18 02 10.0	+1.1
KSU1	Kansas State U	73.26	311	LR	LR		
G35A	Watkins	73.29	317	P	P	18 01 57.3	-1.4
H35A	Sunnyside Ranc	73.38	317	P	P	18 01 58.1	-1.2
F35A	Swatthe	73.53	318	P	P	18 01 58.4	-1.7
D35A	Remer	73.54	319	P	P	18 01 59.0	-1.2
833A	Chaparral WMA,	73.56	299	P	P	18 01 59.9	-0.8
C35A	Jirik Farms, M	73.67	320	P	P	18 01 59.3	-1.7
B35A	Bob, Littlefor	73.71	321	P	P	18 01 59.8	-1.4
F34A	Alexandria	73.97	318	P	P	18 02 01.3	-1.4
H34A	Spellman Lake,	74.02	316	P	P	18 02 01.8	-1.3
SNA A	Sanae	74.03	172	P	P	18 02 04.3	+1.7
SNA A	Sanae	74.03	172	P	P	18 02 03.8	+1.2
SNA A	Sanae	74.03	172	LR	LR	18 26 36.4	
SNA A	Sanae	74.03	172	eP	P	18 02 04.2	+1.5
G34A	Benson	74.08	317	P	P	18 02 02.4	-0.9
WMOK	Wichita Mounta	74.08	306	P	P	18 02 02.1	-1.6
WMOK	Wichita Mounta	74.08	306	PFAKE	LR	18 02 20.0	+1.6
WMOK	Wichita Mounta	74.08	306	LR	LR		
E34A	Wadena	74.11	318	P	P	18 02 01.9	-1.6
JCT	Junction City	74.23	301	P	P	18 02 04.0	-0.7
JCT	Junction City	74.23	301	eP	P	18 02 04.6	0.0
JCT	Junction City	74.23	301	LR	LR		
D34A	Park Rapids	74.29	319	P	P	18 02 02.9	-1.7
RAYN	Ar Rayn	74.33	66	eP	P	18 02 06.5	+1.2
RAYN	Ar Rayn	74.33	66	LR	LR		
B34A	Aery, Baudette	74.34	321	P	P	18 02 03.2	-1.7
ECSD	EROS Data Cent	74.36	315	P	P	18 02 04.1	-1.0
ECSD	EROS Data Cent	74.36	315	eP	P	18 02 04.1	-1.0
ECSD	EROS Data Cent	74.36	315	LR	LR		
ABTX	Abilene, Hawie	74.43	304	P	P	18 02 04.9	-0.9
ABTX	Abilene, Hawie	74.43					

23d 17h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like KBS Kingsbay, LAZ Snowmass, 121A Cookies Peak, etc.

2021 MAY

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like CCUT Cedar City, GEYT Alibeck, 113A Mochak Valley, etc.

1486

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like NIL Nilore, EGAK Eagle, KURK Kurchatov, etc.

CSEM 23 17:56:05.6, 36:75N-12:20W, h0km, mb4.0/15
MDD 23 17:56:05.9, 2.1, 36:75N-12:17W, h0km, mb4.2/7, Error
ellipso: s=ma; 19.9km s-min=15.7km az=43.0, PRXIMO
INMG 23 17:56:06.4, 1.1, 36:58N-12:02W, h4km, ML2.4, Error
ellipso: s=ma; 6.2km s-min=5.5km az=96.0
IGIL 23 17:56:06.7, 36:75N-12:20W, h4km, ML2.1
ISC 23 17:56:04.3, 32:36N-01:10:12.3W-01.1, h10km, n57,
a174/105.1C, Azores-Cape St. Vincent Ridge

MORF	comp=N,9.5nm,0.2s	2.92	80	ePn	Pn	Sn	17 57 24.4	-1.8
MORF	Marlete			eSn	A	Pn	17 56 51.9	+0.9
MORF				eSn	A	Pn	17 57 26.7	+0.6
MORF				eSn	A	Pn	17 57 33.9	
PMAFR	Mafr	3.16	47	P	Pn	Pn	17 56 56.0	+1.7
PMAFR				P	Pn	Pn	17 57 33.4	+1.3
PMAFR	comp=N,58nm,0.2s,SNR=44	3.16	47	P	Pn	Pn	17 56 56.0	+1.7
PMAFR	Mafr			P	Pn	Pn	17 57 33.4	+1.3
PMAFR				P	Pn	Pn	17 57 33.4	+1.3
PMAFR	comp=N,58nm,0.2s,SNR=44	3.16	47	ePn	Pn	Pn	17 56 56.0	+1.7
PMAFR	Mafr			eSn	A	Pn	17 57 33.4	+1.3
PMAFR				eSn	A	Pn	17 57 35.0	
PNCL	comp=N,77nm,0.2s	3.23	66	ePn	Pn	Pn	17 56 56.4	+1.3
PNCL	Nicolau / Gran			eSn	A	Pn	17 57 34.5	+0.9
PNCL				eSn	A	Pn	17 57 37.0	
MESJ	comp=N,3.3nm,0.1s	3.37	71	eP	Pn	Pn	17 56 58.0	+0.9
MESJ	Messejana			eS	AML	Pn	17 57 35.9	-1.2
MESJ				eS	AML	Pn	17 57 39.6	
MESJ	comp=N,4.6nm,0.1s	3.37	71	P	Pn	Pn	17 56 58.0	+0.9
MESJ	Messejana			S	Pn	Pn	17 57 35.9	-1.2
PCVE	comp=N,2.1nm,0.2s	3.46	75	ePn	Pn	Pn	17 56 59.9	+1.6
PCVE	Castro Verde			eSn	A	Pn	17 57 39.0	-0.3
PCVE				A	Pn	Pn	17 57 42.3	
PBDV	comp=N,2.1nm,0.2s	3.48	82	ePn	Pn	Pn	17 56 59.7	+1.0
PBDV	Barranco-do-Ve			eSn	A	Pn	17 57 40.2	+0.2
PBDV				A	Pn	Pn	17 57 43.0	
PVAQ	comp=N,2.0nm,0.2s	3.67	80	ePn	Pn	Pn	17 57 02.4	+1.2
PVAQ	Vaqueiros			eSn	A	Pn	17 57 44.3	-0.3
PVAQ				A	Pn	Pn	17 57 48.3	
ALMR	comp=N,3.1nm,0.3s	3.71	50	ePn	Pn	Pn	17 57 04.2	+2.3
ALMR	Almeirim			eSn	A	Pn	17 57 46.6	+0.9
ALMR				A	Pn	Pn	17 57 50.2	
EVO	comp=N,14nm,0.2s	3.77	62	ePn	Pn	Pn	17 57 04.2	+1.6
EVO	Evora			eSn	A	Pn	17 57 47.0	0.0
EVO				A	Pn	Pn	17 57 50.1	
EGRO	comp=N,7.8nm,0.1s	3.78	78	P	Pn	Pn	17 57 04.9	+0.9
EGRO	Ei Granado			S	Pn	Pn	17 57 49.3	-0.3
EGRO				S	Pn	Pn	17 57 49.3	-0.3
EGRO	comp=N,1.2nm,0.1s,SNR=7.9	3.77	78	P	Pn	Pn	17 57 04.9	+0.9
EGRO	Ei Granado			S	Pn	Pn	17 57 49.3	-0.3
EGRO				S	Pn	Pn	17 57 49.3	-0.3
PMTG	comp=N,1.2nm,0.1s,SNR=7.9	3.89	54	ePn	Pn	Pn	17 57 05.8	+1.6
PMTG	Montargil			eSn	A	Pn	17 57 50.0	+0.1
PMTG				A	Pn	Pn	17 57 55.2	
PESTR	comp=N,5.0nm,0.6s	4.21	60	ePn	Pn	Pn	17 57 10.0	+1.3
PESTR	Estremoz			eSn	A	Pn	17 57 57.5	-0.4
PESTR				A	Pn	Pn	17 57 59.5	
PBAR	comp=N,3.2nm,0.5s	4.36	71	ePn	Pn	Pn	17 57 11.9	+1.2
PBAR	Barrancos			eSn	A	Pn	17 58 00.7	-0.8
PBAR				A	Pn	Pn	17 58 09.6	
PCAS	comp=N,2.9nm,0.2s	4.36	41	ePn	Pn	Pn	17 57 12.6	+1.8
PCAS	Casmilo, Conde			eSn	A	Pn	17 58 02.4	+0.8
PCAS				A	Pn	Pn	17 58 06.2	
EMIN	comp=N,6.8nm,0.6s	4.55	77	P	Pn	Pn	17 57 13.8	+0.5
EMIN	Mina Concepcio			S	Pn	Pn	17 58 05.0	-1.2
EMIN				S	Pn	Pn	17 58 05.0	-1.2
EMIN	comp=N,0.8nm,0.1s,SNR=12	4.55	77	P	Pn	Pn	17 57 13.8	+0.5
EMIN	Mina Concepcio			S	Pn	Pn	17 58 05.0	-1.2
EMIN				S	Pn	Pn	17 58 05.0	-1.2
EBAD	comp=N,0.8nm,0.1s,SNR=7.9	4.57	64	P	Pn	Pn	17 57 14.6	+0.9
EBAD	Badajoz			S	Pn	Pn	17 58 07.5	-1.1
EBAD				S	Pn	Pn	17 58 07.5	-1.1
EBAD	comp=N,1.3nm,0.1s,SNR=16	4.57	64	P	Pn	Pn	17 57 14.6	+0.9
EBAD	Badajoz			S	Pn	Pn	17 58 07.5	-1.1
EBAD				S	Pn	Pn	17 58 07.5	-1.1
PMRV	comp=N,6.4nm,0.2s,SNR=7.9	4.62	54	ePn	Pn	Pn	17 57 15.5	+1.1
PMRV	Marv??o			eSn	A	Pn	17 58 07.3	-0.9
PMRV				A	Pn	Pn	17 58 09.3	
PCBR	comp=N,3.2nm,0.2s	4.81	50	ePn	Pn	Pn	17 57 18.6	+1.7
PCBR	Castelo Branco			eSn	A	Pn	17 58 20.8	-0.6
PCBR				A	Pn	Pn	17 58 22.3	
PCBR	comp=N,1.1nm,0.3s	5.16	40	eSn	A	Pn	17 57 27.9	+0.5
PCBR	Castelo Branco			A	Pn	Pn	17 58 29.2	-0.5
PCBR				A	Pn	Pn	17 58 29.2	-0.5
ECAB	comp=N,1.1nm,0.3s,SNR=7.9	5.58	75	P	Pn	Pn	17 57 28.0	+0.5
ECAB	Ei Cabril			S	Pn	Pn	17 58 29.2	-0.5
ECAB				S	Pn	Pn	17 58 29.2	-0.5
ECAB	comp=N,1.1nm,0.3s,SNR=7.9	5.58	75	P	Pn	Pn	17 57 28.0	+0.5
ECAB	Ei Cabril			S	Pn	Pn	17 58 29.2	-0.5
ECAB				S	Pn	Pn	17 58 29.2	-0.5
ECEU	comp=N,1.1nm,0.3s,SNR=7.9	5.63	98	P	Pn	Pn	17 57 28.4	+0.3
ECEU	Ceuta			P	Pn	Pn	17 57 28.4	+0.3
ECEU				P	Pn	Pn	17 57 28.4	+0.3
POLO	comp=N,2.0nm,0.1s,SNR=4.0	5.71	36	ePn	Pn	Pn	17 57 30.7	+1.4
POLO	Lamas de Olo			eSn	A	Pn	17 58 33.1	-1.8
POLO				A	Pn	Pn	17 58 37.3	
EPLA	comp=N,0.9nm,0.4s	5.82	54	P	Pn	Pn	17 57 31.7	+0.9
EPLA	Plasencia			S	Pn	Pn	17 58 35.5	-2.1
EPLA				S	Pn	Pn	17 58 35.5	-2.1
EPLA	comp=N,1.9nm,0.1s	5.82	54	P	Pn	Pn	17 57 31.7	+0.9
EPLA	Plasencia			S	Pn	Pn	17 58 35.5	-2.1
EPLA				S	Pn	Pn	17 58 35.5	-2.1
PCAB	comp=N,1.9nm,0.1s	5.87	33	eSn	A	Pn	17 58 38.2	-0.7
PCAB	Cabril			A	Pn	Pn	17 58 41.2	
PCAB				A	Pn	Pn	17 58 41.2	
MVO	comp=N,4.7nm,0.3s	5.94	42	P	Pn	Pn	17 57 33.3	+0.8
MVO	Moncorvo			S	Pn	Pn	17 58 38.7	-1.9
MVO				S	Pn	Pn	17 58 38.7	-1.9
MVO	comp=N,4.5nm,0.2s,SNR=7.9	5.94	42	P	Pn	Pn	17 57 33.3	+0.8
MVO	Moncorvo			eSn	A	Pn	17 58 38.7	-1.9
MVO				eSn	A	Pn	17 58 40.5	
MVO	comp=N,4.5nm,0.2s,SNR=7.9	5.94	42	P	Pn	Pn	17 57 34.7	+2.2
MVO	Moncorvo			eSn	A	Pn	17 58 39.1	-1.5
MVO				eSn	A	Pn	17 58 40.5	
PGAV	comp=N,3.1nm,0.2s	5.98	30	eSn	A	Pn	17 58 40.1	-1.6
PGAV	Gavieira, Arco			A	Pn	Pn	17 58 43.5	
PGAV				A	Pn	Pn	17 58 43.5	
ELOB	comp=N,4.2nm,0.6s	5.98	32	P	Pn	Pn	17 57 36.3	+3.2
ELOB	Lobios			S	Pn	Pn	17 58 38.9	-2.8
ELOB				S	Pn	Pn	17 58 38.9	-2.8
ELOB	comp=N,1.6nm,0.1s,SNR=7.9	5.98	32	P	Pn	Pn	17 57 36.3	+3.2
ELOB	Lobios			S	Pn	Pn	17 58 38.9	-2.8
ELOB				S	Pn	Pn	17 58 38.9	-2.8
EADA	comp=N,1.6nm,0.1s,SNR=7.9	6.25	75	P	Pn	Pn	17 57 37.3	+0.6
EADA	Adamuz			S	Pn	Pn	17 58 46.4	-1.8
EADA				S	Pn	Pn	17 58 46.4	-1.8
EADA	comp=N,0.4nm,0.1s,SNR=4.0	6.25	75	P	Pn	Pn	17 57 37.3	+0.6
EADA	Adamuz			S	Pn	Pn	17 58 46.4	-1.8
EADA				S	Pn	Pn	17 58 46.4	-1.8
PBRG	comp=N,0.7nm,0.1s,SNR=7.9	6.55	39	eSn	Pn	Pn	17 58 54.4	-1.2
PBRG	Draganca			eSn	Pn	Pn	17 57 44.0	+2.4
PBRG				eSn	Pn	Pn	17 57 44.0	+2.4
EMAZ	comp=N,0.5nm,0.1s,SNR=4.0	6.61	21	P	Pn	Pn	17 58 51.4	-5.5
EMAZ				S	Pn	Pn	17 58 51.4	-5.5
EMAZ	comp=N,4.0nm,0.1s,SNR=7.9	6.61	21	P	Pn	Pn	17 57 44.0	+2.4
EMAZ	Mazarcos			S	Pn	Pn	17 58 51.4	-5.5
EMAZ				S	Pn	Pn	17 58 51.4	-5.5
ECAL	comp=N,4.0nm,0.1s,SNR=7.9	6.65	38	P	Pn	Pn	17 57 44.3	+2.0
ECAL	Calabor			P	Pn	Pn	17 57 26.7	+0.6
ECAL				P	Pn	Pn	17 57 33.9	

ECAL	comp=N,1.2nm,0.2s,SNR=7.9	6.65	38	P	Pn	Pn	17 58 54.5	-3.7
ECAL	Calabor			S	Pn	Pn	17 57 44.3	+2.0
ECAL				S	Pn	Pn	17 58 54.5	-3.7
EAGO	comp=N,0.6nm,0.2s,SNR=4.0	6.77	27	P	Pn	Pn	17 57 46.3	+2.5
EAGO	Agolada/Ponte			S	Pn	Pn	17 58 56.3	-4.6
EAGO				S	Pn	Pn	17 57 46.3	+2.5
EAGO	comp=N,2.0nm,0.2s,SNR=7.9	6.77	27	P	Pn	Pn	17 57 46.3	+2.5
EAGO	Agolada/Ponte			S	Pn	Pn	17 57 46.3	+2.5
EAGO				S	Pn	Pn	17 57 46.3	+2.5
PAB	comp=N,0.3nm,0.1s,SNR=7.9	6.79	64	P	Pn	Pn	17 57 45.4	+1.2
PAB	San Pablo			S	Pn	Pn	17 59 00.9	-0.7
PAB				S	Pn	Pn	17 59 00.9	-0.7
PAB	comp=N,0.3nm,0.2s,SNR=7.9	6.79	64	P	Pn	Pn	17 57 45.4	+1.2
PAB	San Pablo			S	Pn	Pn	17 59 00.9	-0.7
PAB				S	Pn	Pn	17 59 00.9	-0.7
ESDC	comp=N,0.3nm,0.2s,SNR=7.9	7.11	64	P	Pn	Pn	17 57 48.9	+0.3
ESDC	Seneca Array			P	Pn	Pn	17 57 48.9	+0.3
ESDC				P	Pn	Pn	17 57 48.9	+0.3

PGC 23 18:01:33.2; 2.7, 47.86N-128.92W, h10km, MLN2,9/18, Mw3.5/18, Mw3.5/18, 263km Wsw of Tofino, Bc Off Coast Of Washington, Off coast of Washington

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
EDB	Eliza Dome	2.34	30	Op	18 02 09.3	-2.4
TOFB	Tofino	2.38	56	Pn	18 02 03.9	-1.4
TOFB				Pn	18 02 10.0	-2.2
BPBC	Brooks Peninsu	2.42	18	Pn	18 02 12.4	-1.9
OZB	Mount Ozzard	2.53	63	Pn	18 02 41.1	-4.1
OZB				Pn	18 02 30.7	-1.9
BS28	Barfield	2.70	67	Pn	18 02 13.4	-3.8
PACB	Port Alice, BC	2.74	19	Pn	18 02 45.7	-4.6
PACB				Pn	18 02 15.9	-1.8
BTB	Buttle Lake	2.77	53	Pn	18 02 48.0	-3.2
BTB				Pn	18 02 16.5	-1.6
WMB	Woss	2.77	33	Pn	18 02 47.8	-4.0
MAYB	Maynard	2.79	24	Pn	18 02 20.0	-0.8
MAYB				Pn	18 02 52.5	-4.4
PHC	Port Hardy	3.01	18	Pn	18 02 19.8	-2.0
PHC				Pn	18 02 54.3	-4.3
MGB	Mount Grey	3.04	66	Pn	18 02 22.1	-1.0
MGB				Pn	18 02 26.0	-0.8
PFB	Port Renfrew	3.08	75	Pn	18 02 23.0	-1.5
PFB				Pn	18 03 00.9	-4.0
NCRB						

PLCA Paso Flores 152.26 95 PKPbc PKPbc 18 38 27.3 -0.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PINIG Pinotepa, TLIG Tlapa, VHO Vista Hermosa, etc.

IDC 23 18:45:25.1-1.9, 1.68N-126.67E, h0km, mb3.2/4, mb1 3.4/4, mb1mx3.1/65, mbtmp3.2/4, Error ellipse: s-maj=187.1km s-min=22.3km az=66.0, Northern Molucca Sea

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

TIF 23 18:47:13.9, 41.33N-44.04E, h15km, 1km ISCJB 23 18:47:14.5, 41.37N-43.99E, 0.04, h3km, 6km, Error ellipse: s-maj=6.9km s-min=3.6km az=141.1

CSEM 23 18:47:14.4, 0.2 41.36N-43.99E, h5km, ML1.8, Error ellipse: s-maj=5.5km s-min=2.9km az=139.0

DDA 23 18:47:14.0, 41.37N-43.98E, h19km, M12.7 ISC 23 18:47:14.5, 1.1, 41.38N-0.03-43.96E, 0.03, h16km, 9km, n20, c193/38, Turkey-Georgia-Armenia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BGD Bogdanovka, DELIS Delisi, BTNK Botanihuri, etc.

MEX 23 18:56:42.3-0.5, 16.29N-98.29W, h15km, 2km, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PINIG Pinotepa, TLIG Tlapa, VHO Vista Hermosa, etc.

IDC 23 18:56:53.2-1.7, 3.86N-92.74E, h0km, mb3.4/4, mb1 3.6/6, mb1mx3.7/2, mbtmp3.5/6, ML3.2/2, MS3.5/2, Ms1 3.5/2, ms1mx2.7/41, Error ellipse: s-maj=54.0km s-min=25.6km az=51.0

ISCJB 23 18:56:55.7, 1.0, 3.8N-92.74E, 0.1, h33km, mb3.5/4, MS3.5/2, Error ellipse: s-maj=22.4km s-min=16.3km az=35.8

ISC 23 18:56:58.0, 1.3, 3.9N-92.02E, 0.1, h35km, n8, c1914/6, mb3.5/4, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PALK Pallekele, CMAR Chiang Mai Arr, MKAR Makanchi Array, etc.

IDC 23 18:58:37.1, 9.23N-102.142E, 0.3, h35km, n12, c123/5, mb3.3/5, Volcano Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JCJ Chichijima, H1N1 WAKE ISLAND Hy 22.66, etc.

0.9nm, 0.7s, baz=13, slow=8.3, SNR=6.3 ASAR Alice Springs 47.74 191 P P 19 07 01.9 -5.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, ILAR Eielson Array, YKA Yellowknife Arr, etc.

ISCJB 23 19:03:13.8, 0.5, 37.06N-0.03-29.10E, 0.04, h0km, Error ellipse: s-maj=5.1km s-min=4.5km az=179.0

CSEM 23 19:03:13.9, 0.2, 37.07N-29.10E, h2km, ML2.4, Error ellipse: s-maj=4.6km s-min=3.7km az=58.0, Suspected Mining explosion.

DDA 23 19:03:13.7, 37.04N-29.08E, h7km, M12.6, Suspected Mining explosion.

ISK 23 19:03:14.1, 37.03N-29.10E, h8km, ML2.4/6 ISC 23 19:03:13.4, 0.9, 37.08N-0.03-29.16E, 0.03, h0km, n30, c866/36, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GOLH Golhisar, FETY Fethiye, TURN Turunc, etc.

IDC 23 19:04:29.9, 2.2, 10.08N-92.37E, h0km, mb3.5/4, mb1 3.8/5, mb1mx3.7/2, mbtmp3.6/5, ML4.2/1, Error ellipse: s-maj=66.7km s-min=22.6km az=69.0, Andaman 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.

IDC 23 19:05:24.6, 1.6, 60.48S-44.60W, h0km, mb3.8/1, mb1 3.7/2, mb1mx3.5/35, mbtmp3.7/2, ML2.8/1, Error ellipse: s-maj=82.8km s-min=44.2km az=55.0

ISC 23 19:05:25.1, 1.8, 60.55S-0.3449W, 0.5, h10km, n9, c1956/9, Scotia Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VNA3 Neumayer Olymp, VNA1 Neumayer-Stat, SNA3 Sanae, etc.

MAN 23 19:05:13.6, 7.17N-123.96E, h31km, mb4.0, ML2.7, MS2.3, 19C, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CTBH Catobato-PC H, CTBH Pagadian, BUKP Musuan, etc.

IDC 23 19:06:18.6, 1.1, 23.02S-171.56E, h0km, mb3.8/7, mb1 4.1/8, mb1mx3.8/48, mbtmp3.8/8, ML3.3/1, MS3.2/2, Ms1 3.2/2, ms1mx2.7/46, Error ellipse: s-maj=41.6km s-min=26.0km az=167.0

ISCJB 23 19:06:24.6, 0.9, 23.05S-171.36E, 0.1, h49km, mb3.9/7, MS3.1/2, Error ellipse: s-maj=33.5km s-min=11.6km az=48.8

ISC 23 19:06:25.9, 1.0, 23.05S-171.4E, 0.1, h40km, n11, c110/10, mb3.9/7, Southeast of Loyalty Islands

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

IDC 23 19:07:47.5, 6.9, 8.04N-103.39W, h0km, mb3.4/3, mb1 4.0/4, mb1mx3.6/47, mbtmp3.7/4, ML4.0/1, MS3.3/6, Ms1 3.3/6, ms1mx2.9/25, Error ellipse: s-maj=173.5km s-min=63.5km az=178.0, Northern East Pacific Rise

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMIG Matias Romero, APG El Apazote, LPIG La Paz, etc.

DJA 23 19:24:53.0, 4.2, 5.4, 12.1E, h10km, M3.7/7, ML3.7/7, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TTSI Tana Toraja, APPI Ampana, PCSI Palu, etc.

ISC 23 19:43:28.0, 0.7, 23.9S-0.1x179.8E, 0.1, h526km, mb4.0/1, Error ellipse: s-maj=18.5km s-min=14.3km az=153.9

IDC 23 19:43:30.4, 2.2, 23.91S-179.84E, h540km, 22km, mb3.5/1, mb1 3.6/11, mb1mx3.3/51, mbtmp4.4/13, Error ellipse: s-maj=25.3km s-min=17.2km az=159.0

ISC 23 19:43:28.9, 0.7, 23.9S-0.1x180.0E, 0.1, h526km, n25, c1908/24, mb3.9/11, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, URZ Urewera, CTA Charters Tower, etc.

IDC 23 19:46:06.0, 1.1, 18.57S-173.31W, h0km, mb4.0/9, mb1 3.9/10, mb1mx3.9/11, mbtmp4.1/10, ML4.6/1, MS2.9/1, Ms1 3.9/11, ms1mx2.5/48, Error ellipse: s-maj=47.3km s-min=18.3km az=134.0

NEIC 23 19:46:13.2, 2.0, 18.09S-173.71W, h36km, 17km, mb4.5/1, Error ellipse: s-maj=31.7km s-min=11.3km az=134.0

ISC 23 19:46:11.5, 0.9, 18.2S-0.2x173.5W, 0.2, h31km, n17, c1965/17, mb4.0/11, 1D, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AFI Afiamou, RAR Rarotonga, URZ Urewera, etc.

JMA 23 19:54:06.0, 0.1, 39.38N-143.92E, h5km, 4km, M3.5, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MIYJ Miyakonagasawa, JTV Tanohata, OFJU Ofunato, etc.

IDC 23 19:58:12.6±0.1, 16°19'S; 179°53'E, h0km, mb4.1/11, mb1 4.3/11, mb1mx4.0/48, mbtmp4.0/11, MS4.0/16, Ms1 4.0/16, ms1mx3.7/49, Error ellipse: s-maj=46.3km s-min=19.3km az=147.0

ISCJB 23 19:58:16.0±0.5, 16°35.0'±1.7; 179°58E±0'08, h33km, mb4.2/14, MS4.0/13, Error ellipse: s-maj=9.9km s-min=10.3km az=160.8

NEIC 23 19:58:19.6±2.3, 16°22'S; 179°49'E, h40km±21km, mb4.8/3, Error ellipse: s-maj=29.2km s-min=12.9km az=154.0

GCMT 23 19:58:18.6±0.3, 15°17'S; 179°40'E, h19km, 1km, MW5.0/73, Moment Tensor Solution. s37.65; s73.93; Durations: 0

ISC 23 19:58:17.7±0.6, 16°35.0'±2.1; 179°56E±0'1, h35km, n37, c0597/20, mb4.1/14, MS4.0/13, Fiji Islands

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSVF Nonsavu, AFI Afimamu, RAO Raoul Island, etc.

ISCJB 23 20:04:50.7±0.8, 36°76N±0'05; 142°23'E±0'07, h19km, mb3.4/6, Error ellipse: s-maj=8.3km s-min=7.2km az=1.0

JMA 23 20:04:50.8±0.3, 36°78N±12'16E, h14km±3km, M3.4

IDC 23 20:04:50.0±1.1, 36°74N±12'39E, h0km, mb3.3/6, mb1 3.5/9, mb1mx3.3/71, mbtmp3.4/9, ML3.3/3, MS2.4/1, Ms1 2.4/1, ms1mx2.1/31, Error ellipse: s-maj=28.1km s-min=19.3km az=88.0

ISC 23 20:04:52.6±1.1, 36°76N±0'06; 142°21'E±0'10, h19km, n17, c157/20, mb3.5/6, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ONAJ Iwakimizuhiy, JFM Kawautchi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ASAJ Asahikawa, KRSR Korea Array, SONM Songo Array, etc.

ISCJB 23 20:12:48.6±0.6, 44°92S±0'05; 167°42E±0'08, h106km, mb3.4/2, Error ellipse: s-maj=9.2km s-min=5.4km az=35.2

NEIC 23 20:12:49.0±0.4, 45°06S±167°37E, h118km, ML4.2(WEL), After WEL

WEL 23 20:12:50.1±4.5; S±4°; 16°8E±, h111km, 7km

IDC 23 20:12:50.4±4.4, 44°75S±167°68E, h135km, 45km, mb3.0/2, mb1 3.3/3, mb1mx3.1/40, mbtmp3.5/3, Error ellipse: s-maj=77.8km s-min=28.3km az=17.0

ISC 23 20:12:48.7±0.9, 45°05S±0'06; 167°47E±0'06, h106km, n60, c150/63, South Island

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DCZ Deep Cove, MSZ Milford Sound, etc.

NIED 23 20:25:00.46±70N; 153°10'E, h35km, Mw5.3 Best double couple: Mo1.03000x1017 NP1±0.12.00000°, 0.49.00000°, 1.54.00000°. NP2±0.240.00000°, 0.52.00000°, 1.24.00000°.

JMA 23 20:25:55.3±0.8, 46°67N; 153°06E, h30km, M5.8

BUI 23 20:25:55.4, 46°75N; 152°72E, h34km, mb5.5/80, mb5.4/58, Ms5.1/85, Ms7.5/075

SKHL 23 20:25:58.5±0.1, 46°49N; 152°94E, h62km±5km, mb6.2/1, Ms4.9/6, msf5.5/5

NEIC 23 20:25:58.2±0.1, 46°66N; 152°56E, h34km, mb5.9/8, MS4.7/47, MW5.3, Error ellipse: s-maj=4.9km s-min=2.5km az=147.0, Moment Tensor Solution. s57 Moment tensor: Scale 1017Nm; Mr1.05; Ms0.65; Mo0.40; M0.15; Mw0.40; Mw0.40; Best double couple: Mo1.10000x1017 NP1±0.242.00000°, 0.56.00000°, 1.07.00000°. NP2±0.42.00000°, 0.56.00000°, 1.78.00000°. Principal axes: T 1.1600, Plg76.0000°, Azm275.0000°, P -1.0600, Plg10.0000°, Azm140.0000°.

GCMT 23 20:25:58.2±0.1, 46°66N; 152°77E, h46km, MW5.4/135, Moment Tensor Solution. s122.2225; s135.2252; Duration: 162 Moment tensor: Scale 1017Nm; Mr1.48±0.02; Ms0.52±0.02; Mo0.96±0.02; M0.20±0.01; Mw0.67±0.01; Mw0.27±0.01; Best double couple: Mo1.64600x1017 NP1±0.28.00000°, 0.59.00000°, 1.81.00000°. NP2±0.224.00000°, 0.52.00000°, 1.04.00000°. Principal axes: T 1.6780, Plg75.0000°, Azm32.0000°, P -1.6140, Plg13.0000°, Azm124.0000°; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s.

ISCJB 23 20:25:58.0±0.3, 46°67N±0'02; 152°62E±0'02, h49km±3km, mb5.4/279, MS4.8/141, Error ellipse: s-maj=3.6km s-min=1.9km az=152.8

MOS 23 20:25:59.2±1.0, 46°73N; 152°54E, h57km, mb5.6/97, MS4.9/49, Error ellipse: s-maj=5.6km s-min=3.9km az=92.6

IDC 23 20:25:59.9±1.0, 46°72N; 152°54E, h48km±8km, mb5.0/59, mb1 5.1/66, mb1mx5.0/81, mbtmp5.3/66, ML4.7/5, MS4.7/60, Ms1 4.7/60, ms1mx4.6/72, Error ellipse: s-maj=9.4km s-min=7.5km az=123.0

ISC 23 20:25:59.2±0.4, 46°63N±0'03; 152°61E±0'03, h47km±2km, h47km±2km, n1451, c153/38, 1543, mb5.5/299, MS4.8/144, 111C-45D, Kuril Islands

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KUR Kuril'sk, JMA Rausu, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KUR 8µm, 14.0s, KUR 13µm, 14.0s, etc.

ISCJB 23 20:12:48.6±0.6, 44°92S±0'05; 167°42E±0'08, h106km, mb3.4/2, Error ellipse: s-maj=9.2km s-min=5.4km az=35.2

NEIC 23 20:12:49.0±0.4, 45°06S±167°37E, h118km, ML4.2(WEL), After WEL

WEL 23 20:12:50.1±4.5; S±4°; 16°8E±, h111km, 7km

IDC 23 20:12:50.4±4.4, 44°75S±167°68E, h135km, 45km, mb3.0/2, mb1 3.3/3, mb1mx3.1/40, mbtmp3.5/3, Error ellipse: s-maj=77.8km s-min=28.3km az=17.0

ISC 23 20:12:48.7±0.9, 45°05S±0'06; 167°47E±0'06, h106km, n60, c150/63, South Island

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, SKR Kuril'sk, etc.



23d 20h

Table with columns: Station, Frequency, Power, Direction, Date, Time, and other parameters. Includes stations like YSS, JSS, JAB, etc.

2012 MAY

Table with columns: Station, Frequency, Power, Direction, Date, Time, and other parameters. Includes stations like JRG, ROKUGO, MA2, etc.

1490

Table with columns: Station, Frequency, Power, Direction, Date, Time, and other parameters. Includes stations like KSAR, WJUN, CHICHI, etc.







23d 20h

23 MAY

1494

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like H43A Windswept, Lux, KPL Plockton, F45A CMU Biological, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like KRLC Kraliky, EKA Eskdalemuir Ar, MORC Moravsky Berou, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like HDIL Hopedale, HDIL Hopedale, COAL Corum-Alaca, etc.

ANTO	Antara	78.53 317	P	P	20 37 56.4	+0.9			
ANTO	Antara	78.53 317	eP	MLR	20 37 56.3	+0.8			
BZS	Buzias	78.53 327	iP	P	20 37 55.0	-0.3			
CONA	Conrad Observa	78.54 332	eP	P	20 37 56.1	+0.6			
ANDR	Andrin	78.59 313	iP	P	20 37 55.9	-0.1			
Q44A	Meyer Farm, Va	78.60 44	P	P	20 37 55.6	-0.3			
S42A	Caledonia	78.61 46	P	P	20 37 55.5	-0.4			
V39A	Pettigrew	78.65 49	P	P	20 37 55.5	-0.8			
R43A	Red Bud	78.65 45	P	P	20 37 55.4	-0.7			
YLL	Llanberis	78.65 346	eP	P	20 37 55.8	-0.1			
U40A	Yellville	78.66 48	P	P	20 37 55.6	-0.7			
T41A	Mountain View	78.69 47	P	P	20 37 55.5	-0.9			
P45A	Graceland Par	78.72 43	P	P	20 37 56.1	-0.4			
FOEL	Foel Wyifa	78.73 345	eP	Iamb	20 37 55.3	-1.0			
STKA	Stevens Creek	78.77 190	P	P	20 37 57.2	+0.6			
STKA	Stevens Creek	78.77 190	P	P	20 37 57.2	+0.6			
CRAR	CRAIOVA	78.78 325	iP	P	20 37 57.6	+0.9			
BTAS	Taskesti	78.80 319	iP	P	20 37 57.5	+0.6			
SZH	Strazhica	78.80 323	P	P	20 37 56.0	-0.9			
HGN	Heimansgroeve	78.81 339	iP	P	20 37 56.6	-0.1			
HGN	HGN	78.85 339	eP	SS	20 41 18.3	+2.3			
HGN	HGN	78.85 339	eP	SS	20 47 37.6	-1.3			
HGN	HGN	78.85 339	eP	SS	20 53 16.4	+2.2			
HGN	HGN	78.85 339	eP	SS	20 37 56.9	0.0			
HERR	Herculane	78.85 326	iP	P	20 37 56.7	-0.4			
O47A	Sheridan	78.89 42	P	P	20 37 56.3	-1.1			
P47A	Rosedale	78.90 43	P	P	20 37 56.9	-0.6			
MEM	Membrach	78.94 339	iP	P	20 37 56.5	-1.0			
Q45A	Warren Harvey	79.02 44	P	P	20 37 57.9	-0.2			
HLM1	Long Mynd	79.03 345	eP	Iamb	20 37 57.4	-0.6			
AKSY	AKSARAY - Alti	79.03 316	iP	P	20 37 57.2	-1.1			
T42A	Von Buren	79.04 47	P	P	20 37 57.6	-0.7			
W39A	Magazine	79.06 50	P	P	20 37 58.0	-0.5			
R44A	Waltonville	79.08 45	P	P	20 37 58.0	-0.5			
MORH	MORH	79.09 329	iP	P	20 37 57.7	-0.7			
V40A	Witts Springs	79.10 49	P	P	20 37 58.0	-0.7			
MOA	Molin	79.12 333	eP	P	20 37 58.9	+0.4			
S43A	Fulton Ridge	79.13 46	P	P	20 37 58.2	-0.6			
AUMH	MIHALICIK	79.14 318	iP	P	20 37 57.2	-1.7			
U41A	Viola	79.15 48	P	P	20 37 58.1	-0.8			
UCC	Uccle	79.16 340	iP	P	20 37 58.2	-0.5			
ARSA	Arzberg	79.25 332	iP	P	20 37 59.6	+0.3			
BCLA	Clavier	79.29 339	iP	P	20 37 59.2	-0.2			
JCT	Junction City	79.29 57	eP	P	20 37 59.9	+0.1			
JCT	Junction City	79.29 57	eP	P	20 37 59.9	+0.1			
JCT	Junction City	79.29 57	eP	pmax	20 37 59.9	+0.1			
JCT	Junction City	79.29 57	eP	pmax	20 37 59.9	+0.1			
Q46A	CEJHS Indians	79.30 43	P	P	20 37 59.3	-0.3			
T43A	Greenville	79.40 46	P	P	20 37 59.8	-0.5			
X39A	Fountain Ranch	79.41 51	P	P	20 38 00.2	-0.2			
BUYA	Buyukada	79.42 320	iP	P	20 38 00.1	-0.1			
S44A	Carbondale	79.44 45	P	P	20 38 00.3	-0.1			
R45A	Skylar, Fairfr	79.44 44	P	P	20 38 00.2	-0.2			
P47A	Martinsville	79.44 42	P	P	20 37 59.9	-0.5			
W40A	Ferguson Farm	79.44 49	P	P	20 38 00.1	-0.4			
SNF	Seneffe	79.45 340	iP	P	20 38 00.4	+0.2			
V41A	Mountainview	79.46 48	P	P	20 37 60.0	-0.7			
U42A	Reynden	79.49 47	P	P	20 38 00.1	-0.6			
WHTX	Lake Whitney	79.49 54	P	P	20 38 01.1	+0.2			
BEHE	Becsehely	79.52 331	eP	P	20 38 00.5	-0.2			
MCH1	Michaelchurch	79.55 345	eP	Iamb	20 38 00.4	-0.3			
MCH1	Michaelchurch	79.55 345	eP	Iamb	20 38 04.5				
MZR	Muzera	79.58 292	iP	P	20 38 02.0	+0.5			
BORA	Borah	79.60 319	iP	P	20 38 01.9	+0.5			
STRD	Stroud	79.61 344	eP	P	20 38 00.8	-0.3			
STRD	Stroud	79.61 344	eP	Iamb	20 38 02.2				
MONM	Moonmouth	79.66 345	eP	Iamb	20 38 01.3	-0.1			
MONM	Moonmouth	79.66 345	eP	Iamb	20 38 02.5				
MIAR	Mount Ida	79.67 50	P	P	20 38 01.6	-0.2			
MIAR	Mount Ida	79.67 50	eP	P	20 38 01.6	-0.2			
MIAR	Mount Ida	79.67 50	eP	pmax	20 38 01.7	-0.1			
MIAR	Mount Ida	79.67 50	eP	pmax	20 38 01.7	-0.1			
KOGS	Kog	79.71 331	iP	P	20 38 01.2	-0.6			
T44A	Benton	79.75 43	P	P	20 38 01.9	-0.2			
DOU	Dourbes	79.76 340	iP	P	20 38 01.7	-0.3			
WLF	Wallerdange	79.77 339	iP	P	20 38 02.3	+0.2			
S45A	Carrier Mills	79.78 45	P	P	20 38 02.0	-0.3			
Q47A	Bedord North L	79.81 43	P	P	20 38 02.2	-0.2			
V42A	Cord	79.84 48	P	P	20 38 01.8	-0.8			
HGH	Gray Hill	79.86 345	eP	P	20 38 02.1	-0.4			
R46A	Gibson Southern	79.87 44	P	P	20 38 02.5	-0.3			
WOL	Wolverton	79.87 344	eP	Iamb	20 38 02.9	+0.4			
WOL	Wolverton	79.87 344	eP	Iamb	20 38 03.3				
W41B	Gary Navity, V	79.89 49	P	P	20 38 02.3	-0.6			
U43A	Rector	79.90 47	P	P	20 38 02.5	-0.5			
SOKA	Soboth	79.91 332	eP	P	20 38 03.0	+0.1			
DIM	Dimitrovgrad	79.98 323	P	P	20 38 03.0	+0.1			
RAR	Rarotonga	80.05 136	LR	LR	21 07 59.9				
LONY	Lake Ozonia	80.05 32	P	P	20 38 02.3	-1.4			
LONY	Lake Ozonia	80.05 32	P	P	20 38 02.2	-1.4			
ERPA	Erie	80.06 37	P	P	20 38 03.3	-0.4			
KBA	Koelnbreinsper	80.09 333	eP	P	20 38 04.4	+0.4			
X40A	Basin Creek Fa	80.11 50	P	P	20 38 03.8	-0.3			
U44A	Portageville	80.15 46	P	P	20 38 04.1	-0.2			
W42A	Bald Knob	80.18 48	P	P	20 38 04.5	-0.1			
S46A	Don Dixon Farm	80.19 44	P	P	20 38 04.3	-0.2			
OBKA	Obir	80.22 332	eP	P	20 38 04.6	0.0			
Y40A	Okolna	80.24 50	P	P	20 38 04.5	-0.3			
T45A	Paduchac	80.27 45	P	P	20 38 04.7	-0.3			
R47A	Kaden, Bauxite	80.27 49	P	P	20 38 04.9	-0.1			
X41A	Woody Knot Far	80.27 43	P	P	20 38 04.7	-0.3			
PLD	Plovdiv	80.27 323	P	P	20 38 04.0	-0.9			
V43A	Jonsboro	80.28 47	P	P	20 38 04.9	-0.2			
435B	Jarrell	80.33 55	P	P	20 38 05.3	0.0			
ACSO	Alum Creek Sta	80.33 40	P	P	20 38 04.9	-0.3			
ACSO	Alum Creek Sta	80.33 40	P	PFake	20 38 20.0	+1.5			
ACSO	Alum Creek Sta	80.33 40	P	LR	20 38 20.0	+1.5			
MYKA	Terra Mystica	80.40 333	eP	P	20 38 05.2	-0.4			
WATA	Waldermal	80.40 334	eP	P	20 38 06.4	+0.7			
BFO	Black Forest	80.43 337	eP	P	20 38 05.4	-0.2			
BFO	Black Forest	80.43 337	eP	LR	20 38 05.7	0.0			
BFO	Black Forest	80.43 337	eP	LR	20 38 05.7	0.0			
BFO	Black Forest	80.43 337	eP	LR	20 38 05.7	0.0			
WCI	Wyandotte Cave	80.44 43	eP	P	20 38 05.7	-0.2			
WCI	Wyandotte Cave	80.44 43	eP	P	20 38 05.7	-0.2			
WCI	Wyandotte Cave	80.44 43	eP	pmax	20 38 05.7	-0.1			
WCI	Wyandotte Cave	80.44 43	eP	pmax	20 38 05.7	-0.1			
WCI	Wyandotte Cave	80.44 43	eP	pmax	20 38 05.7	-0.1			
WCI	Wyandotte Cave	80.44 43	eP	pmax	20 38 05.7	-0.1			
U44B	Burton Farm, H	80.45 46	P	P	20 38 06.2	+0.2			
VTS	Vitosh	80.47 325	iP	P	20 38 06.4	+0.2			
VTS	Vitosh	80.47 325	iP	P	20 38 06.0	-0.2			
VTS	Vitosh	80.47 325	iP	P	20 38 06.0	-0.2			
R48A	Northridge Ran	80.50 43	P	P	20 38 06.1	-0.1			
RETA	Reutte	80.51 335	eP	P	20 38 06.3	+0.1			
VNDS	Vrh nad Dolski	80.53 332	iP	P	20 38 06.5	-0.7			
MOTA	Moosalm	80.54 335	eP	P	20 38 06.8	+0.4			
GORS	Gorjuse	80.56 332	iP	P	20 38 05.5	-1.0			
V44A	Bluyethville	80.58 47	P	P	20 38 07.0	+0.4			
T46A	Prishtina	80.61 45	P	P	20 38 06.9	+0.1			
ABTA	Abfaltersbach	80.65 333	eP	P	20 38 06.5	-0.5			
X42A	Stuttgart	80.69 49	P	P	20 38 06.9	-0.3			
Y41A	Eaglette Beard	80.69 50	P	P	20 38 07.2	0.0			
M54A	Oil Creek Stat	80.70 37	P	P	20 38 06.7	-0.5			
OZLJ	Ozalj</								



23d 20h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like KPRO, Y48L, 146A, etc.

2012 MAY

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like BRAL, LAST, DYA, etc.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like MESJ, PCVE, BBSR, etc.

IDC 23 20:27.24.7.4.3.26:93N:88.87E, h0km, mb3.9/8, mb1.4/0.9, mb1mx3.772, mbtmp3.9/9, ML3.5/1, MS3.4/1, Ms1.3.6/1, ms1mx2.8/4, Error ellipse: s-maj=87.3km s-min=35.6km az=121.0

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

ISCJJB 23 20:36:49.0.2.14:06N:04:145.31E:0.05, h100km, mb4.6/4.1, Error ellipse: s-maj=7.0km s-min=6.1km az=164.4

IDC 23 20:49.8.0.6.14:07N:145:50E, h95km, 4km, mb4.3/3.4, mb1.4.3/3.5, mb1mx2.4/2.70, mbtmp4.6/3.5, Error ellipse: s-maj=12.9km s-min=8.2km az=151.0

NEIC 23 20:36:51.3.0.9.14:07N:145:41E, h109km, 8km, mb5.1/19, Error ellipse: s-maj=10.2km s-min=5.9km az=79.0

ISC 23 20:36:50.4.0.4.14:07N:0:06:145.46E:3.09, h100km, n107, s110/110, mb4.6/5.1, Mariana Islands

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

WRA	8.4nm, 1.1s, baz=20, slow=9.7, SNR=5.7	ScP	20 49 41.3	-0.9
BJT	2.9nm, 1.1s, baz=22, slow=3.6, SNR=6.8	eP	20 43 46.1	+0.7
ENH	Banjilatuu 36.42 321	eP	20 43 49.5	+0.7
ASAR	Alice Springs 39.17 197	P	20 44 08.5	-0.2
ASAR	1.9nm, 0.6s, baz=22, slow=12, SNR=12	pP	20 44 30.4	-1.4
ASAR	2.7nm, 1.0s, baz=27, slow=8.9, SNR=3.5	PcP	20 46 16.1	-0.2
PETK	Petrovsk 40.14 11	P	20 44 16.2	-0.2
HIA	Hailar 40.95 334	P	20 44 24.2	+1.1
DZM	Mont Dzumac 41.40 150	P	20 44 27.4	+0.3
CMAR	Chiang Mai Arr 44.73 292	P	20 44 55.5	+1.0
CMAR	4.3nm, 0.9s, baz=85, slow=6.1, SNR=2.1	PcP	20 46 35.2	+0.2
MA2	Magadan 45.59 4	P	20 45 00.1	-0.1
MA2	23nm, 0.7s, baz=184, slow=6.9, SNR=28	P	20 44 60.0	-0.3
STKA	Stephens Creek 45.84 185	P	20 45 02.4	-0.1
SONM	Songino Array 46.67 324	P	20 45 10.0	+1.0
SEY	Seychman 49.04 4	P	20 45 27.1	+0.2
YAK	Yakutsk 49.21 350	eP	20 45 26.9	-1.2
TLY	Talaya 50.26 327	P	20 45 37.1	+0.7
LSA	Lhasa 50.29 297	eP	20 45 53.6	+1.1
BILL	Bilibino 55.59 9	eP	20 46 14.4	-0.9
JIRN	Jiri 56.54 294	eP	20 46 23.3	+0.1
GUN	Gumba 56.82 294	eP	20 46 25.2	+0.1
PKI	Pulchokki 57.23 294	eP	20 46 27.4	-0.6
PKIN	Pulchokki 57.24 294	eP	20 46 27.4	-0.6
KKN	Kakani 57.35 294	eP	20 46 28.4	-0.3
DMN	Daman 57.50 294	eP	20 46 29.6	-0.2
GKN	Gorkha 57.92 294	eP	20 46 32.3	-0.3
TIXI	Tiksi 58.42 354	eP	20 46 33.9	-1.2
DANN	Dangsing 58.69 295	eP	20 46 38.0	-0.2
KOLN	Koldanda 58.84 294	eP	20 46 38.7	-0.4
PYUN	Piuthan 59.37 294	eP	20 46 42.4	-0.4
URZ	Urewera 59.91 151	P	20 46 46.2	+0.3
MKAR	Makanchi Array 61.55 316	P	20 46 57.4	+0.4
ZALV	Zalesovo Beam 61.57 324	P	20 46 57.3	+0.3
RPZ	Rata Peaks 62.08 159	P	20 47 00.2	-0.3
KDAK	Kodiak Island 63.36 32	eP	20 47 09.5	+0.7
KURK	Kurchatov 64.59 320	eP	20 47 14.7	-2.3
KURBB	Kurchatov Arra 64.63 320	P	20 47 17.2	0.0
NIL	Nilore 67.63 301	eP	20 47 36.7	-0.2
ILAR	Eielson Array 67.89 25	P	20 47 36.6	-1.2
TOLK	Toolik Lake Re 67.96 21	P	20 47 39.1	+0.8
BVAR	Borovoye Array 69.91 322	P	20 47 50.3	-0.3
EGAK	Eagle 70.29 26	eP	20 47 52.6	-0.1
INK	Inuvik 73.70 22	P	20 48 12.7	-0.3
DLBC	Dease Lake 75.27 33	eP	20 48 23.6	+1.2
GEYT	Geitlik 79.43 307	P	20 48 46.6	+0.6
M02C	Callahan 82.09 49	P	20 49 01.7	+1.6
YBH	Yreka Blue Hor 82.12 49	P	20 49 02.0	+1.7
YKA	Yellowknife Ar 82.17 2	P	20 48 59.0	0.0
YKA	5.6nm, 0.7s, baz=287, slow=5.4, SNR=67	pP	20 49 24.1	-1.8
J04D	Umpqua Natona 82.25 47	P	20 49 02.7	+1.6
N02D	Trinity Center 82.28 50	P	20 49 02.8	+1.6
M04C	Maccodel 82.75 49	P	20 49 05.3	+1.7
J05D	Fort Rock, OR 82.86 47	P	20 49 05.9	+1.7
O03D	Paynes Creek 83.10 50	P	20 49 06.4	+1.0
NEW	Newport 84.49 42	P	20 49 13.4	+1.1
NEW	Newport 15nm, 1.0s	eP	20 49 12.8	+0.6
EDM	Edmonton 85.42 36	eP	20 49 17.1	+0.3
NVAR	Mina Array Bea 86.17 51	P	20 49 22.6	+1.6
WALA	Waterton Lakes 86.31 40	eP	20 49 22.5	+1.0
MFID	Camas Ranch 86.65 46	eP	20 49 24.4	+1.2
ARCES	ARCES Array B 86.80 342	P	20 49 22.4	-0.9
MSO	Missoula 86.95 43	P	20 49 26.1	+1.5
MPMC	Manual Prospec 87.42 54	P	20 49 28.6	+1.4
HLID	Hailey 87.60 46	P	20 49 28.9	+1.1
HLID	Hailey 87.60 46	eP	20 49 28.9	+1.1
TPNV	Topopah Spring 88.14 52	P	20 49 31.9	+1.4
GSC	Goldstone, Bar 88.16 54	P	20 49 32.5	+1.9
R11A	Troy Canyon, C 88.25 51	P	20 49 32.0	+1.0
SHOC	Shoshone, Teco 88.41 53	P	20 49 32.8	+1.2
HEC	Hector, Ludlow 88.65 55	P	20 49 34.6	+1.7
TUQ	Turquoise Moun 88.81 54	P	20 49 34.1	+0.4
BOZ	Bozeman (W) 88.86 43	P	20 49 34.9	+1.1
BOZ	Bozeman (W) 88.86 43	eP	20 49 34.8	+1.0
MONP2	Monument Peak 89.12 56	P	20 49 36.5	+1.2
BELC	Belle Mtn. Jos 89.15 55	P	20 49 36.3	+1.0
GMRC	Granite Mounta 89.20 54	P	20 49 36.6	+1.0
EGMT	Eagleton 89.26 40	P	20 49 35.1	-0.3
BC3	Big Chuckwall 89.69 55	P	20 49 38.7	+0.9
DUG	Dugway, Tooele 89.75 49	P	20 49 38.9	+0.9
DUG	Dugway, Tooele 89.75 49	eP	20 49 38.9	+0.9
IRM	Iron Mountain 89.79 55	P	20 49 39.6	+1.4
H17A	Grant Village 89.97 44	P	20 49 41.2	+2.2
FINES	FINES Array B 90.97 335	P	20 49 41.5	-1.5
FINES	3.8nm, 0.6s, baz=62, slow=4.8, SNR=37	PP	20 53 15.1	-4.8
HFS	Hagfors 96.56 338	P	20 50 06.9	-1.9

NOA	NORSAR Array B 96.80 339	P	20 50 08.0	-1.8
EKA	Eskdalemuir Ar 105.97 342	PP	20 55 13.3	-0.9
SNAAS	Sanae 119.37 191	PKPdf	20 55 27.1	-0.4
ESDC	Sonsec Array 119.42 333	PP	20 56 47.2	-3.0
TORD	Tordif Ar, Bea 135.06 305	PKPdf	20 55 59.1	+0.1
SDV	Santo Domingo 137.54 60	PKPdf	20 56 04.1	+0.2
PLCA	Paso Flores 138.90 37	PKPdf	20 56 05.4	-0.1
DBIC	Dimbokro 144.05 303	PKPbc	20 56 13.9	+0.4
KIC	Kosan Boka 144.13 303	PKPbc	20 56 14.1	+0.3
TIC	Toumoudi 144.20 303	ePKP1	20 56 14.2	+0.2
LIC	Lamto 144.44 303	ePKP1	20 56 15.0	+0.3
LPZA	La Paz 147.53 98	PKPbc	20 56 23.0	+1.1

CSEM 23 20:37:28.0, 2.0, 38.67N; 21.20E, h15km, ML1.7, Error ellipse: s-maj=6.1km s-min=4.8km az=14.0

ATH 23 20:37:28.0, 38.69N; 21.20E, h22km, 4km, ML1.75, Error ellipse: s-maj=4.1km s-min=0.8km az=16.0, Greece

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
					h m s	ISC	
PDO	Prodromos	0.10	188	Op AML	20 37 32.9		
PDO	comp=N, 1828μm, 0.3s			AML	20 37 34.3		
PVO	Paravola	0.27	107	S S	20 37 33.4	-0.9	
PVO	PVO			S S	20 37 38.9	+0.3	
PVO	comp=N, 217μm, 0.3s			AML	20 37 41.4		
PVO	comp=E, 256μm, 0.2s			AML	20 37 42.8		
PVO	Paravola	0.27	107	S S	20 37 33.9	-0.4	
PVO	MGNAN Meganis,,	0.32	264	P P	20 37 34.6	-0.5	
PVO	MGNAN Meganis,,	0.32	264	P P	20 37 34.9	-0.2	
LKD2	Lefkada island	0.43	283	S S	20 37 37.0	-0.1	
LKD2	Lefkada island	0.43	283	S S	20 37 44.0	+0.8	
LKD2	Lefkada island	0.43	283	S S	20 37 37.1	+0.1	
DSL	Palaoia Diasel	0.45	350	S S	20 37 43.8	+0.6	
DSL	DSL			S S	20 37 36.7	-0.5	
DSL	DSL			S S	20 37 44.6	+1.1	
DSL	comp=E, 205μm, 0.3s			AML	20 37 45.1		
DSL	comp=N, 145μm, 0.3s			AML	20 37 47.0		
DSL	Palaoia Diasel	0.45	350	S S	20 37 37.0	-0.3	
DSL	DSL			S S	20 37 44.3	+0.7	
EVR	Evrityania	0.53	65	S S	20 37 38.0	-0.7	
EVR	Evrityania	0.53	65	S S	20 37 46.8	+0.8	
EVR	Evrityania	0.53	65	S S	20 37 38.3	-0.3	
EVR	Evrityania	0.53	65	S S	20 37 46.5	+0.6	
ANX	Fiskardo	0.55	245	P P	20 37 39.6	+0.6	
ANX	Ano Chora	0.57	100	P P	20 37 40.0	-0.3	
ANX	ANX			S S	20 37 46.9	-0.3	
ANX	comp=N, 182μm, 0.5s			AML	20 37 51.3		
ANX	comp=E, 143μm, 0.5s			AML	20 37 52.2		
ANX	Ano Chora	0.57	100	P P	20 37 39.3	-0.2	
ANX	ANX			S S	20 37 47.3	+0.1	
EFP	Efpalio	0.61	115	P S	20 37 39.9	-0.2	
EFP	EFP			S S	20 37 50.4	-0.1	
EFP	comp=N, 214μm, 0.3s			AML	20 37 54.4		
EFP	comp=E, 192μm, 0.3s			AML	20 37 55.9		
EFP	Efpalio	0.61	115	P S	20 37 40.0	-0.1	
EFP	EFP			S S	20 37 49.7	-0.8	
VLS	Valsamata	0.70	223	P P	20 37 41.5	-0.1	
VLS	Valsamata	0.70	223	P P	20 37 41.7	+0.1	
DRO	Drossia	0.84	151	P P	20 37 43.8	-0.1	
DRO	DRO			S S	20 37 56.6	+0.3	
DRO	Drossia	0.84	151	P P	20 37 44.0	+0.1	
DRO	Drossia	0.84	151	P P	20 37 56.3	+0.1	
AGG	Agios Georgios	0.94	69	P P	20 37 47.0	+1.1	
AGG	Agios Georgios	0.94	69	P P	20 37 46.6	+0.7	
KLV	Kalavryta, Ach	0.99	131	P P	20 37 47.4	+0.8	
KLV	Kalavryta, Ach	0.99	131	P P	20 37 47.2	+0.6	

23 20:39:57.4; 1.7, 45.74N; 106.73W, h0km, mb1 3.4/2, mb1mx3.0/70, mbtmp3.2, ML2.9/2, Error ellipse: s-maj=69.1km s-min=8.7km az=133.0

ISCJTB 23 20:39:58.2; 0.5, 45.89N; 106.78W; 0.05, h0km, Error ellipse: s-maj=5.6km s-min=4.1km az=34.1

NEIC 23 20:39:58.3; 0.7, 45.91N; 106.68W, h0km, ML3.0, Error ellipse: s-maj=12.2km s-min=8.6km az=131.0, Suspected Mining explosion.

NEIC 5 km [3 miles] NW of Colstrip.  
ISC 23 20:39:57.6; 0.8, 45.85N; 106.79W; 0.04, h0km, n18, n145/25, Montana

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
					h m s	ISC	
LAO	LASA Array	0.93	25	P P	20 40 14.7	-0.6	
LAO	baz=202				20 40 28.1	+0.7	
LAO	LASA Array	0.93	25	eP	20 40 14.3	-1.0	
RLMT	Red Lodge	1.89	248	P P	20 40 31.9	-1.1	
RLMT	baz=66			S S	20 40 58.0	-0.2	
RLMT	Red Lodge	1.89	248	eP	20 40 31.2	0.0	
RSSD	Black Hills	2.61	330	P P	20 40 42.7	+1.4	
RSSD	baz=315			S S	20 41 16.6	-1.5	
RSSD	Black Hills	2.61	330	eP	20 40 42.6	+1.4	
EGMT	Eagleton	2.98	318	P P	20 40 50.7	-0.8	
EGMT	baz=134			Sb	20 41 28.5	+0.1	
EGMT	Eagleton	2.98	318	eP	20 41 47.4	+1.2	
H17A	Grant Village	3.05	243	Pb	20 40 53.2	+0.3	
H17A	baz=60			S S	20 41 28.3	-2.4	
DGMT	Dagmar	3.16	33	P P	20 40 50.9	+2.3	
DGMT	baz=214			Sb	20 41 33.2	-0.6	
K22A	Casper	3.20	176	P P	20 40 50.0	+0.7	
BOZ	Bozeman (W)	3.40	267	P P	20 40 52.7	+0.7	
BOZ	Bozeman (W)	3.40	267	eP	20 40 55.1	+3.1	
BW06	Boulder Array	3.67	214	Pb	20 41 05.0	+1.6	
BW06	baz=32			Sb	20 41 54.4	-0.9	
BW06	Boulder Array	3.67	214	eP	20 40 57.6	+1.9	
PDAR	Pinedale Array	3.67	214	Pn	20 40 57.4	+1.6	
PDAR	1.1nm, 0.3s, baz=31, slow=13, SNR=13			Pg	20 41 04.5	+1.1	
PDAR	2.7nm, 0.3s, baz=43, slow=20, SNR=18			Lg	20 41 04.3		
IS6US	NEWPORT INFRA5 7.46 293				21 22 50.0		
ULM	Lac du Bonnet	8.53	55	Pn	20 42 00.7	-1.6	
ULM	0.2nm, 0.3s, baz=242, slow=12, SNR=3.3			Lg	20 44 23.2		

ISCJTB 23 20:49:41.2; 0.4, 59.71N; 0.02; 24.56E; 0.05, h0km, Error ellipse: s-maj=4.0km s-min=3.1km az=147.8

CSEM 23 20:49:42.9; 0.3, 59.72N; 24.66E, h2km, ML1.8, Error ellipse: s-maj=6.4km s-min=5.0km az=81.0, Mining explosion.

HEL 23 20:49:43.3; 0.1, 59.69N; 24.62E, h0km, ML2.2, Explosion

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
					h m s	ISC	
MEF	Metsahovi	0.53	352	Op	20 49 53.1	-0.4	
MEF	Mets						



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries like DAG Scoresbysund, NOA NORSF Array B, HFS Hagfors, etc.

ISCJB 23 21:30:11.6:1.2, 43.32N:0.07E:146.70E:0.09, h43km,34km, Error ellipse: s-maj=14.6km s-min=8.0km az=138.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries like NEM2 Nemuro 2, YUK Yuzh-Kuril'sk, etc.

DDA 23 21:37:53.5, 41.09N:43.95E, h7km, ML2.6 CSEM 23 21:37:54.0, 41.06N:43.97E, h2km, ML2.1, Error ellipse: s-maj=3.8km s-min=1.8km az=139.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries like BGD Bogdanovka, KZR Kazreti, etc.

NIED 23 21:40:00, 39.40N:143.70E, h23km, Mw3.6 Best double couple: M=2.62000x1014 NP1.3=194.00000, s=39.00000, l=81.00000, NP2.2=26.00000, s=52.00000, l=97.00000

IDD 23 21:40:10.2:5.6, 39.45N:143.85E, h0km, mb3.7/4, mb1 3.5/8, mb1mx3.3/74, mbtmpp3.6/8, ML3.2, MS2.8/2, Ms1 2.8/2, ms1mx2.4/64, Error ellipse: s-maj=94.0km s-min=31.7km az=112.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries like MIYJ Miyakonagasawa, JTH Tanohata, etc.

BUI 23 21:41:14.5, 45.11N:10.71E, h10km, mb4.5/19, mb4.7/11, Ms4.4/3, Ms7.4/12

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries like GAZZ Gazzo Veronese, FIU Minerbio Fiu, etc.

ROM 23 21:41:18.2:0.0, 44.846N:0.001x11.244E:0.001, h9km, ML4.3/91

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries like T0800 Massa Finalese, T0802 San Felice sul, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries like NDIM Novi di Modena, T0821 Loc. Casaglia, etc.



1501

FROS	Frosini	comp=E,5505µm,0.5s	1.64	182	AML	AML			
FROS		comp=N,4520µm,1.1s			AML	AML			
FROS		comp=E,5900µm,0.9s			AML	AML			
FROS		comp=N,4520µm,1.1s			AML	AML			
FROS		comp=E,5900µm,0.9s			AML	AML			
BOSI	Bolzano	comp=N,27200µm,0.7s	1.64	2	AML	AML			
BOSI		comp=E,2200µm,0.7s			AML	AML			
BOSI		comp=E,2200µm,0.7s			AML	AML			
BOSI		comp=N,27200µm,0.7s			AML	AML			
MPAG	Monte Paganucc	comp=N,7510µm,0.6s	1.65	137	AML	AML			
MPAG		comp=E,4690µm,1.0s			AML	AML			
MPAG		comp=E,4580µm,1.0s			AML	AML			
MPAG		comp=N,7495µm,0.6s			AML	AML			
MPAG		comp=N,7510µm,0.6s			AML	AML			
MPAG		comp=N,7495µm,0.6s			AML	AML			
MPAG		comp=E,4690µm,1.0s			AML	AML			
MPAG		comp=E,4580µm,1.0s			AML	AML			
ATBU	Serra di Buran	comp=N,13650µm,0.5s	1.68	145	AML	AML			
ATBU		comp=E,11680µm,0.5s			AML	AML			
ATBU		comp=N,13650µm,0.5s			AML	AML			
ATBU		comp=N,11680µm,0.5s			AML	AML			
CIMO	Cimolais		1.69	30	ePp	Pn		21 41 47.4	-0.6
CIMO			1.69	30	ePp	Pn		21 41 47.4	-0.6
ATVO	AVT- Monte Val	comp=E,6755µm,1.0s	1.70	149	AML	AML			
ATVO		comp=E,6755µm,1.0s			AML	AML			
ATVO		comp=N,6340µm,1.1s			AML	AML			
ATVO		comp=N,6340µm,1.1s			AML	AML			
TLI	Talmassons	comp=N,6340µm,1.1s	1.70	50	ePp	Pn		21 41 47.8	-0.3
TLI		comp=N,6340µm,1.1s	1.70	50	ePp	Pn		21 41 47.8	-0.3
BRMO	Bormio	comp=N,5745µm,1.3s	1.73	340	AML	AML			
BRMO		comp=E,6510µm,0.5s			AML	AML			
BRMO		comp=N,5745µm,1.3s			AML	AML			
BRMO		comp=N,5745µm,1.3s			AML	AML			
BRMO		comp=E,6510µm,0.5s			AML	AML			
ATVA	AVT- Monte Val	comp=N,2880µm,1.5s	1.75	154	AML	AML			
ATVA		comp=E,2965µm,0.7s			AML	AML			
ATVA		comp=N,2880µm,1.5s			AML	AML			
ATVA		comp=N,2880µm,1.5s			AML	AML			
TRIF	Trifonti	comp=N,1845µm,0.8s	1.75	188	AML	AML			
TRIF		comp=N,1845µm,0.8s			AML	AML			
TRIF		comp=E,2110µm,0.6s			AML	AML			
TRIF		comp=E,2110µm,0.6s			AML	AML			
TRIF		comp=N,1845µm,0.8s			AML	AML			
STAL	STALIGIAL	comp=N,9010µm,0.3s	1.75	36	AML	AML			
STAL		comp=E,9175µm,1.5s			AML	AML			
STAL		comp=E,12100µm,1.5s			AML	AML			
STAL		comp=N,7140µm,0.2s			AML	AML			
STAL		comp=E,12100µm,1.5s			AML	AML			
STAL		comp=E,9175µm,1.5s			AML	AML			
STAL		comp=N,9010µm,0.3s			AML	AML			
STAL		comp=N,7140µm,0.2s			AML	AML			
COR1	Corinaldo	comp=N,13750µm,0.7s	1.77	133	AML	AML			
COR1		comp=E,7650µm,0.5s			AML	AML			
COR1		comp=N,13750µm,0.7s			AML	AML			
COR1		comp=E,7650µm,0.5s			AML	AML			
MOSI	Grossmontoni	comp=N,21950µm,0.6s	1.82	345	AML	AML			
MOSI		comp=E,13950µm,0.7s			AML	AML			
MOSI		comp=N,21950µm,0.6s			AML	AML			
MOSI		comp=N,21950µm,0.6s			AML	AML			
MOSI		comp=E,13950µm,0.7s			AML	AML			
ARVD	Arcevia	comp=N,3690µm,1.3s	1.84	137	AML	AML			
ARVD		comp=E,3515µm,0.6s			AML	AML			
ARVD		comp=N,3690µm,1.3s			AML	AML			
ARVD		comp=E,3515µm,0.6s			AML	AML			
ARVD		comp=N,3690µm,1.3s			AML	AML			
ATTE	AVT- Monte Tez	comp=N,4240µm,0.5s	1.85	153	AML	AML			
ATTE		comp=N,3865µm,1.6s			AML	AML			
ATTE		comp=E,4240µm,0.5s			AML	AML			
ATTE		comp=N,3865µm,1.6s			AML	AML			
MURB	Monte Urbino	comp=N,10250µm,0.3s	1.85	149	AML	AML			
MURB		comp=E,9620µm,0.4s			AML	AML			
MURB		comp=N,10250µm,0.3s			AML	AML			
MURB		comp=N,11000µm,0.3s			AML	AML			
MURB		comp=N,11000µm,0.3s			AML	AML			
MURB		comp=N,10250µm,0.3s			AML	AML			
MURB		comp=E,9620µm,0.4s			AML	AML			
MURB		comp=N,11000µm,0.3s			AML	AML			
MURB		comp=N,11000µm,0.3s			AML	AML			
ABSI	Aberstueckl	comp=N,10700µm,0.5s	1.88	2	AML	AML			
ABSI		comp=E,14900µm,0.6s			AML	AML			
ABSI		comp=N,10700µm,0.5s			AML	AML			
ABSI		comp=N,10700µm,0.5s			AML	AML			
FUORN	Ofenpass-Fuorn	comp=N,4285µm,0.6s	1.89	340	ePn	Pb		21 41 52.6	-0.6
FUORN		comp=N,4285µm,0.6s	1.89	340	ePn	Pb		21 41 52.7	-0.6
PCP	Piancastagn	comp=N,2840µm,0.5s	1.93	262	AML	AML			
PCP		comp=E,2840µm,0.5s			AML	AML			
PCP		comp=N,2840µm,0.5s			AML	AML			
PCP		comp=N,4285µm,0.6s			AML	AML			
PCP		comp=N,2840µm,0.5s			AML	AML			
ATCC	AVT- Casa Cast	comp=N,7195µm,0.5s	1.96	148	AML	AML			
ATCC		comp=E,7195µm,0.5s			AML	AML			
ATCC		comp=N,6030µm,0.6s			AML	AML			
ATCC		comp=N,6030µm,0.6s			AML	AML			
ATCC		comp=N,6030µm,0.6s			AML	AML			
VARE	Varese		2.00	301	AML	AML			

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VARE		comp=N,2950µm,0.5s			AML	AML			
VARE		comp=E,1340µm,0.6s			AML	AML			
VARE		comp=N,2950µm,0.5s			AML	AML			
ARCI	Arcidosso	comp=N,1340µm,0.6s	2.01	175	AML	AML			
ARCI		comp=E,950µm,0.9s			AML	AML			
ARCI		comp=N,1415µm,1.1s			AML	AML			
ARCI		comp=E,950µm,0.9s			AML	AML			
ARCI		comp=N,1415µm,1.1s			AML	AML			
VINO	Villanova	comp=N,5225µm,1.4s	2.02	45	AML	AML			
VINO		comp=E,4200µm,0.6s			AML	AML			
VINO		comp=N,5225µm,1.4s			AML	AML			
VINO		comp=E,4200µm,0.6s			AML	AML			
VINO		comp=N,5225µm,1.4s			AML	AML			
SABO	M.te Sabotino	comp=N,8570µm,0.5s	2.02	55	AML	AML			
SABO		comp=E,8570µm,0.5s			AML	AML			
SABO		comp=N,8570µm,0.5s			AML	AML			
SABO		comp=N,11300µm,0.4s			AML	AML			
SABO		comp=N,11300µm,0.4s			AML	AML			
SNTG	Esanatoglia	comp=N,3865µm,0.5s	2.02	142	AML	AML			
SNTG		comp=N,3865µm,0.5s			AML	AML			
SNTG		comp=E,2800µm,0.7s			AML	AML			
SNTG		comp=N,3865µm,0.5s			AML	AML			
SNTG		comp=E,2800µm,0.7s			AML	AML			
ROTM	Rocchetta Tana	comp=N,11450µm,0.5s	2.04	271	AML	AML			
ROTM		comp=E,11450µm,0.5s			AML	AML			
ROTM		comp=N,11450µm,0.5s			AML	AML			
ROTM		comp=N,11045µm,0.5s			AML	AML			
ROTM		comp=N,11045µm,0.5s			AML	AML			
MGAB	Montegabbione	comp=N,4420µm,0.8s	2.04	161	AML	AML			
MGAB		comp=E,4420µm,0.8s			AML	AML			
MGAB		comp=N,4420µm,0.8s			AML	AML			
MGAB		comp=N,3490µm,1.5s			AML	AML			
MGAB		comp=N,3490µm,1.5s			AML	AML			
MGAB		comp=N,3575µm,0.5s			AML	AML			
MGAB		comp=N,3575µm,0.5s			AML	AML			
MGAB		comp=N,3490µm,1.5s			AML	AML			
MGAB		comp=N,3490µm,1.5s			AML	AML			
MGAB		comp=E,4420µm,0.8s			AML	AML			
MGAB		comp=N,4420µm,0.8s			AML	AML			
CING	Cingoli	comp=N,2300µm,0.5s	2.05	135	AML	AML			
CING		comp=N,2300µm,0.5s			AML	AML			
CING		comp=E,2295µm,0.4s			AML	AML			
CING		comp=N,2300µm,0.5s			AML	AML			
CING		comp=N,2300µm,0.5s			AML	AML			
FVI	Forni Avoltri	comp=N,5355µm,0.5s	2.06	32	AML	AML			
FVI		comp=N,5355µm,0.5s			AML	AML			
FVI		comp=E,4855µm,0.3s			AML	AML			
FVI		comp=N,5355µm,0.5s			AML	AML			
FVI		comp=E,4855µm,0.3s			AML	AML			
FVI		comp=N,5355µm,0.5s			AML	AML			
SACS	San Casciano d	comp=N,1805µm,0.7s	2.06	166	AML	AML			
SACS		comp=N,1805µm,0.7s			AML	AML			
SACS		comp=N,1810µm,1.0s			AML	AML			
SACS		comp=N,1810µm,1.0s			AML	AML	</		



23d 21h

Table with columns for station code, name, frequency, and signal strength. Includes stations like SBF Sospel, LUCIF Luceram, ANTF Antibes, etc.

2012 MAY

Table with columns for station code, name, frequency, and signal strength. Includes stations like HINF Hinteralfeld, BLY Banja Luka, GEA0 GERESS Array S, etc.

1502

Table with columns for station code, name, frequency, and signal strength. Includes stations like MEZF Maizieres J'vi, PRU Pruhonice, GOPC GO Pecny, Ondr, etc.















YUK		S	SKSac	23 23 46.0	+1.1	
YUK		eSS	SS	23 30 43.7	-0.7	
USRK	Ussuriysk Ar.	94.54 355	P	23 13 12.4	-0.3	
USRK	comp=Z,1.1nm,0.7s,baz=183,slow=3.8,SNR=8.6	LR	LR			
USRK	comp=Z,1.1um,19.5s,baz=160,slow=3.5,SNR=8.6	LR	LR	23 55 01.0		
CN2	Changchun	94.72 350	eP	23 13 15.3	+1.8	
CN2		eS	S	23 24 25.3	0.0	
CN2		SS	SS	23 30 54.8	+4.4	
CN2	comp=Z,10.0nm,0.7s	pmx	pmx			
CN2	comp=Z,200nm,6.0s	pmx	pmx			
CN2	comp=Z,2um,22.0s	LR	LR			
CN2	comp=Z,990nm,22.0s	LR	LR			
CN2	comp=Z,2um,18.0s	LR	LR			
MDJ	Mudanjiang	95.13 353	P	23 13 14.4	-0.9	
MDJ		S	S	23 24 24.5	-4.3	
MDJ	comp=Z,8.0nm,1.1s	pmx	pmx			
MDJ	comp=Z,180nm,5.1s	pmx	pmx			
MDJ	comp=Z,4um,25.1s	LR	LR			
MDJ	comp=Z,2um,19.1s	LR	LR			
MDJ	comp=Z,3um,27.1s	LR	LR			
MDJ	Mudanjiang	95.13 353	PFAKE	23 13 30.0	+1.5	
MDJ	comp=Z,2um,19.0s	LR	LR			
GTA	Gaotai	96.10 330	eP	23 13 21.6	+1.5	
GTA		pP	P	23 13 26.8	+0.3	
GTA		sP	SP	23 13 30.0	+1.3	
GTA		PP	PP	23 17 13.9	+0.3	
GTA		SKS	SKSac	23 23 54.8	-0.3	
GTA		S	S	23 24 40.0	+1.6	
GTA		sS	pS	23 24 47.1	+1.1	
GTA		pmx	pmx			
GTA	comp=Z,8.0nm,1.7s	pmx	pmx			
GTA	comp=Z,190nm,7.1s	LR	LR			
GTA	comp=Z,2um,20.0s	LR	LR			
GTA	comp=Z,1um,20.0s	LR	LR			
GTA	comp=Z,3um,22.8s	LR	LR			
LOO	Las Campanas	96.42 154	PFAKE	23 13 30.0	+7.7	
LOO		LR	LR			
KMBO	Kilima Mbogo	96.97 260	LR	23 47 54.7		
KMBO	comp=Z,4um,21.9s,baz=136,slow=3.0	LR	LR			
KMBO	Kilima Mbogo	96.97 260	PFAKE	23 13 40.0	+1.5	
KMBO		LR	LR			
YSS	Yuzh-Sakhalins	97.10 2	PFAKE	23 13 40.0	+1.6	
YSS		LR	LR			
YSS	comp=Z,2um,21.0s	eP	P	23 13 23.2	-1.0	
YSS		e	e	23 13 29.6		
YSS		eS	S	23 17 18.0		
YSS		eSS	SS	23 24 42.6	-3.1	
YSS		eSS	SS	23 26 08.0	-2.1	
YSS		MLR	MLR	23 31 23.0	-1.1	
HIA	Hailar	100.83 347	PFAKE	23 13 50.0	+9.1	
HIA		LR	LR			
HIA	comp=Z,3um,20.0s	LR	LR			
MBAR	Mbarara	101.44 255	PFAKE	23 14 00.0	+1.5	
MBAR		LR	LR			
MBAR	comp=Z,565nm,20.0s	LR	LR			
ULN	Ulaanbaatar	101.91 338	PFAKE	23 14 00.0	+1.4	
ULN		LR	LR			
ULN	comp=Z,3um,20.0s	LR	LR			
SOM	Songio Array	102.03 338	P	Pdf	23 13 47.0	+0.6
SOM	comp=Z,1.0nm,0.9s,baz=160,slow=4.5,SNR=5.6	PP	PP			
SOM	comp=Z,0.9nm,0.9s,baz=150,slow=6.3,SNR=3.8	PKP	PKP	23 17 57.8	-1.0	
SOM	comp=Z,0.3nm,0.8s,baz=284,slow=2.4,SNR=4.0	PKP	PKP	23 29 57.7	-0.2	
NIL	Nilore	102.16 309	PFAKE	23 14 00.0	+1.3	
NIL		LR	LR			
PET	Petropavlovsk	104.39 12	PFAKE	23 14 10.0	+1.3	
PET		LR	LR			
PET	comp=Z,1um,20.0s	LR	LR			
KSH	Kashi	105.55 314	Pdf	23 14 05.8	+3.5	
KSH		PP	PP	23 18 30.8	+5.7	
KSH		SS	SS	23 25 58.6	+1.3	
KSH		Sdf	Sdf	23 30 18.0		
TLY	Talaya	106.27 338	PFAKE	23 18 30.0		
TLY		LR	LR			
SHLS	Shalkode	106.96 318	ePP	23 18 32.1	-3.3	
SHLS		LR	LR	00 04 22.9		
UZB	Uzymbulak	107.13 318	ePP	23 18 35.1	-1.6	
UZB		PP	PP	00 05 41.4		
UZB	comp=Z,452nm,18.8s	LR	LR			
SHEL	Horse Pasture	107.16 215	PFAKE	23 18 30.0		
SHEL		LR	LR			
SHEL	comp=Z,3um,22.0s	LR	LR			
SATY	Saty	107.33 318	ePP	23 18 36.4	-1.8	
SATY		LR	LR	00 06 29.3		
SATY	comp=Z,382nm,16.6s	LR	LR			
ZHN	Zhinishe	107.40 318	ePP	23 18 36.8	-2.0	
ZHN		PP	PP	00 04 46.2		
ZHN	comp=Z,373nm,18.1s	LR	LR			
KPKS	Kokpek	107.54 318	ePP	23 18 37.4	-2.2	
KPKS		PP	PP	00 04 46.2		
KPKS	comp=Z,707nm,17.4s	LR	LR			
MDOK	Mleedo	108.00 317	ePP	23 18 42.3	-0.8	
MDOK		SP	SP	23 28 02.9	-0.5	
MDOK		LR	LR	00 05 34.0		
ZSN	Zaisan	108.35 324	ePP	23 18 46.8	+1.4	
ZSN		PP	PP	00 03 52.8		
ZSN	comp=Z,331nm,21.1s	LR	LR			
AAK	Ala-Archa	108.71 315	Pdf	23 14 18.5	+2.2	
AAK	comp=Z,0.7nm,0.3s,baz=26,slow=4.1,SNR=2.1	PP	PP			
AAK	Ala-Archa	108.71 315	Pdf	23 14 18.5	+2.2	
AAK		LR	LR			
MKAR	Makanchi Array	108.78 322	Pdf	23 14 19.3	+3.0	
MKAR	comp=Z,0.4nm,0.8s,baz=152,slow=6.5,SNR=3.2	PP	PP			
MKAR	comp=Z,0.7nm,0.8s,baz=155,slow=6.3,SNR=3.8	PP	PP	23 18 49.4	+0.8	
KUU	Kuryt	108.89 317	ePP	23 18 45.8	-1.0	
KUU		SP	SP	23 28 12.3	0.0	
KUU		LR	LR	00 06 40.3		
KUU	comp=Z,201nm,16.7s	LR	LR			
MA2	Magadan	110.09 6	PFAKE	23 18 30.0		
MA2		LR	LR			
MA2	comp=Z,2um,22.0s	LR	LR			
NNA	Nana	110.12 142	PFAKE	23 18 40.0		
NNA		LR	LR			
NNA	comp=Z,2um,21.0s	LR	LR			
RAYN	Ar Rayn	110.31 283	PFAKE	23 18 40.0		
RAYN		LR	LR			
RAYN	comp=Z,5um,21.0s	LR	LR			
IUG	Iuzhny	110.40 312	iPP	23 18 58.6	-1.9	
IUG		LR	LR	00 07 47.2		
IUG	comp=Z,396nm,17.3s	LR	LR			
YAK	Yakutsk	112.45 355	PFAKE	23 18 40.0		
YAK		LR	LR			
YAK	comp=Z,2um,19.0s	LR	LR			
SEM	Semipalatinsk	112.51 323	ePP	23 19 14.6	-1.1	
SEM		PP	PP	23 28 47.0	+0.4	
SEM		LR	LR	00 07 31.0		
GEYT	Alibeck	113.33 302	PKIKP	23 18 31.7	+1.6	
GEYT	comp=Z,0.8nm,0.4s,baz=132,slow=4.1,SNR=3.0	PKIKP	PKIKP			
KURBB	Kurchatov Arra	113.35 323	PKIKP	23 18 27.7	-1.9	
KURBB	comp=Z,0.1nm,0.3s,baz=177,slow=1.6,SNR=3.9	PKIKP	PKIKP			
KURBB	comp=Z,1.1nm,1.1s,baz=314,slow=4.4,SNR=4.4	PKIKP	PKIKP	23 29 27.4	+8.4	
KURK	Kurchatov	113.39 323	PKIKP	23 18 27.7	-2.0	
KURK		PKIKP	PKIKP	23 29 27.4	+8.6	
KURK	comp=Z,3um,21.0s	PKIKP	PKIKP			
KURK	Kurchatov	113.39 323	PKIKP	23 18 28.7	-1.0	

ZALV	Zalesovo Beam	113.76 328	PP	23 19 30.1	+6.0
ZALV	comp=Z,1.1nm,0.6s,baz=142,slow=5.1,SNR=4.8	PP	PP		
BRZS	Berezinski	115.21 319	ePKP	23 18 35.7	+2.5
BRZS		PKP	PKP	23 18 50.0	+1.1
ASCN	Ascension	117.58 209	PFAKE	23 18 50.0	+1.1
ASCN		LR	LR		
ASCN	comp=Z,3um,20.0s	LR	LR		
SAML	Samuel	117.58 154	PFAKE	23 18 50.0	+1.1
SAML		LR	LR		
SAML	comp=Z,3um,20.0s	LR	LR		
BVAR	Borovoye Array	118.44 320	PKP	23 18 38.0	-1.3
BVAR	comp=Z,0.8nm,0.6s,baz=142,slow=5.4,SNR=5.9	PKP	PKP		
BRVK	Borovoye	118.51 320	ePKP	23 18 38.4	-1.0
BRVK		LR	LR		
BRVK	comp=Z,947nm,20.0s	LR	LR		
BRVK	Bilbino	118.51 320	PKIKP	23 18 38.3	-1.2
BRVK		PKIKP	PKIKP	23 18 50.0	+8.3
BILL	Bilbino	119.89 111	PFAKE	23 18 41.7	0.0
BILL		PKIKP	PKIKP	23 18 51.0	0.0
BILL	comp=Z,4um,20.0s	e	e	23 20 12.4	
BILL		e	e	23 25 36.4	
BILL		eSS	SS	23 26 24.4	-6.5
BILL		eSS	SS	23 40 53.1	
BILL	comp=Z,1.0nm,1.1s	pmx	pmx		
BILL	comp=Z,4um,20.0s	MLR	MLR		
OTAV	Otavalo	120.41 134	PFAKE	23 19 00.0	+1.5
OTAV		LR	LR		
OTAV	comp=Z,1um,20.0s	LR	LR		
KDAK	Kodiak Island	121.37 36	PFAKE	23 19 00.0	+1.5
KDAK		LR	LR		
KDAK	comp=Z,1um,21.0s	LR	LR		
TIXI	Tiksi	122.08 356	PFAKE	23 19 00.0	+1.4
TIXI		LR	LR		
TIXI	comp=Z,2um,21.0s	LR	LR		
TIXI	Tiksi	122.08 356	PKIKP	23 18 47.1	+1.3
TIXI		PKIKP	PKIKP	23 18 49.2	+2.7
AKTO	Aktubinsk	122.12 312	PKP	23 18 49.2	+2.7
AKTO	comp=Z,1.1nm,0.7s,baz=136,slow=4.0,SNR=2.9	PKP	PKP		
GNI	Garni	122.38 295	ePKP	23 18 47.2	-0.4
GNI		LR	LR		
GNI	comp=Z,3um,21.0s	PKP	PKP	23 18 47.2	-0.4
GNI		MLR	MLR		
GNI	comp=Z,3um,21.0s	PKP	PKP	23 15 13.2	-4.9
MAK	Makhachkala	122.65 299	eP	23 18 47.5	
MAK		PP	PP	23 22 58.5	
MAK		eSP	SP	23 30 18.1	-0.4
MAK		eSS	SS	23 37 04.1	-3.1
MAK		pmx	pmx		
MAK	comp=Z,71nm,1.0s	pmx	pmx		
EDWO	Edwards Air Fo	123.43 74	P	23 18 50.5	+0.9
EDWO	comp=Z,2um,19.0s	PKP	PKP		
PFO	Pinyon Flats O	123.53 76	PFAKE	23 19 00.0	+1.0
PFO		LR	LR		
PFO	comp=Z,2um,19.0s	LR	LR		
ISA	Isabella, Lake	123.65 73	P	23 18 52.5	+2.5
ISA		PKP	PKP	23 18 52.5	+2.5
GROC	Groznyy	123.76 299	iPKIKP	23 18 48.8	-1.1
GROC		PKIKP	PKIKP	23 20 30.7	
GROC		e	e	23 25 57.9	
GROC		eP	PS	23 30 31.3	+0.8
GROC		pmx	pmx		
CWC	Cottonwood Cre	124.40 73	P	23 18 52.0	+0.4
CWC	comp=Z,2um,22.0s	PKP	PKP		
GSC	Goldstone, Bar	124.44 75	P	23 18 52.9	+1.3
GSC		PKP	PKP	23 18 52.9	+1.3
MPMC	Manual Prospe	124.52 73	P	23 18 52.6	+0.7
MPMC		PKP	PKP	23 18 53.3	+1.7
N02D	Trinity Center	124.57 66	P	23 18 53.3	+1.7
N02D		PKP	PKP	23 18 52.8	+0.8
DAC	Darwin (Calif)	124.59 73	ePKP	23 18 52.8	+0.8
DAC		PKP	PKP	23 18 52.9	+1.0
O03D	Paynes Creek	124.67 67	P	23 18 52.9	+1.0
O03D		PKP	PKP	23 18 54.6	+2.5
IRM	Iron Mountain	124.71 77	P	23 18 54.6	+2.5
IRM		PKP	PKP	23 18 52.2	+0.3
M02C	Callahan	124.75 65	P	23 18 54.9	+3.0
M02C		PKP	PKP	23 18 54.6	+2.2
L02D	Cave Junction,	124.81 64	P	23 18 54.6	+2.2
L02D		PKP	PKP	23 18 54.6	+2.2
GMRC	Granite Mounta	124.81 76	P	23 18 54.6	+2.2
GMRC		PKP	PKP	23 18 53.4	+0.9
YBH	Yreka Blue Hor	125.05 65	PKP	23 18 57.7	+5.7
YBH	comp=Z,3.0nm,1.0s,baz=246,slow=10.0,SNR=3.7	PKP	PKP		
SVE	Sverdlovsk	125.13 319	ePKIKP	23 18 54.6	+1.8
SVE		PKP	PKP	23 18 54.6	+1.8
FURC	Furnace Creek,	125.17 73	P	23 18 54.6	+1.8
FURC		PKP	PKP	23 18 54.6	+1.8
GRAC	Grapevine Rang	125.20 73	P	23 18 54.6	+1.8
GRAC		PKP	PKP	23 18 54.6	+1.8
PDMCI	Parker Dam,Lak	125.43			

23d 22h

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like NAXT, EGMT, MTDJ, KLMR, etc.

2012 MAY

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like I32A, 250A, 149A, etc.

1510

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like ANWB, N39A, E32A, etc.











KOWA	Kowa	133.71	232	PKP	PKPdf	23 38 35.7	-0.6
LKWY	Lake	137.84	69	PFAKE	LR	23 38 50.0	+1.4
ISCO	Idaho Springs	134.04	77	PFAKE	LR	23 38 50.0	+1.3
PRGR	Permogore	134.27	318	ePKIKP	PKPdf	23 38 37.6	+1.7
INK	Inuvik	134.44	31	PKP	PKPdf	23 38 35.4	-0.6
INK	Inuvik	134.44	31	ePKIKP	PKPdf	23 38 35.1	-0.9
RLMT	Red Lodge	134.61	69	PFAKE	LR	23 38 50.0	+1.2
MOS	Moscow	135.28	308	ePKIKP	PKPdf	23 38 39.5	+1.5
WMOK	Wichita Mounta	135.28	87	PFAKE	LR	23 38 50.0	+1.2
OBN	Obninsk	135.53	307	PFAKE	LR	23 38 50.0	+1.2
OBN	Obninsk	135.53	307	ePKIKP	PKPdf	23 38 39.7	+1.3
KIS	Kishinev	135.84	293	ePKP	PKPdf	23 42 40.0	+2.7
KIS	Kishinev	135.84	293	ePKS	PKSdb	23 42 23.0	+6.0
KIS	Kishinev	135.84	293	eSKS	MLR	20 45 36.0	-1.2
KIS	Kishinev	135.84	293	ePKIKP	PKPdf	23 38 42.0	+2.7
NATX	Nacogdoches	136.00	94	PFAKE	LR	23 38 50.0	+1.0
EGMT	Eagleton	136.05	65	PFAKE	LR	23 38 50.0	+1.0
MTDJ	Mount Denham	136.22	124	PFAKE	LR	23 38 50.0	+8.9
KLMR	Klimovskoe	136.60	315	ePKIKP	PKPdf	23 38 39.5	-0.8
KLMR	Klimovskoe	136.60	315	ePKPdf	AMP	23 38 50.3	
MLR	Muntele Rosu	136.76	290	ePP	PKP	23 41 21.1	-2.1
MLR	Muntele Rosu	136.76	290	ePKP	PKPdf	23 38 39.1	-2.2
OGNE	Ogallala	136.94	78	PFAKE	LR	23 41 21.4	-3.4
CBKS	Cedar Bluff	137.16	82	PFAKE	LR	23 38 50.0	+7.9
AKASG	Malin Array B	137.43	298	ePKHKP	PKPpre	23 38 32.4	
AKASG	Malin Array B	137.43	298	ePKPpre	PKP	23 38 40.7	-1.4
RSSD	Black Hills	137.44	73	ePKP	PKPpre	23 38 32.5	
RSSD	Black Hills	137.44	73	ePKHKP	PKPpre	23 38 40.1	
LAO	LASA Array	137.44	68	ePKPdf	PKPpre	23 38 37.6	
MIAR	Mount Ida	138.49	92	ePKPdf	PKPdf	23 38 44.0	-0.6
MIAR	Mount Ida	138.49	92	ePKIKP	PKPdf	23 38 44.0	-0.6
KSU1	Kansas State U	139.31	84	ePKPdf	PKPdf	23 38 45.6	-0.4
DGMT	Dagmar	139.51	67	PFAKE	LR	23 39 00.0	+1.4
YKA	Yellowknife Ar	139.55	44	ePKHKP	PKPpre	23 38 36.3	
YKA	Yellowknife Ar	139.55	44	ePKP	PKPdf	23 38 45.9	+0.3
LVV	L'vov	139.59	295	ePKIKP	PKPdf	23 38 50.4	+3.5
SDDR	Presa de Saban	140.05	130	PFAKE	LR	23 39 00.0	+1.2
BRAL	Brewton	140.42	101	PFAKE	LR	23 39 00.0	+1.2
UZH	Uzhgorod	140.48	292	ePKHKP	PKPpre	23 38 41.0	
LVZ	Lovozero	140.82	325	PFAKE	LR	23 39 00.0	+1.2
APA	Apatity	141.21	324	ePKIKP	PKPpre	23 38 44.7	
STHS	Stebnicka Huta	141.44	293	ePKHKP	PKPpre	23 38 43.3	
SJG	San Juan	141.64	138	PFAKE	LR	23 39 00.0	+9.2
KEST	Kesra	141.68	267	PKP	PKPdf	23 38 48.1	-2.4
LRAL	Lakeview Retre	141.70	99	ePKPdf	PKPdf	23 38 47.9	-2.7
ECSD	EROS Data Cent	141.82	78	ePKP	PKPpre	23 38 46.0	
ECSD	EROS Data Cent	141.82	78	ePKPpre	PKPdf	23 38 43.4	
ECSD	EROS Data Cent	141.82	78	ePKPdf	LR	23 38 50.3	-0.1
G3A	Galt	141.88	85	P	PKPpre	23 38 46.3	
Q28A	Webster	142.03	75	P	PKPpre	23 38 47.0	
251A	Midway	142.07	101	P	PKPpre	23 38 46.9	
CCM	Cathedral Cave	142.12	89	ePKP	PKPdf	23 38 51.8	+0.7
CCM	Cathedral Cave	142.12	89	ePKPdf	PKPdf	23 38 51.8	+0.7
SACV	Santiago Islan	142.13	207	PFAKE	LR	23 39 00.0	+8.2
GRTK	Grand Turk	142.26	129	PFAKE	LR	23 39 00.0	+8.2
LANS	Liptovska Anna	142.38	292	ePKIKP	PKPpre	23 38 48.3	
LANS	Liptovska Anna	142.38	292	ePKP	PKPpre	23 38 48.2	
252A	Lumpkin	142.43	102	P	PKPpre	23 38 46.6	
VYHS	Vyhne	142.47	291	ePKIKP	PKPpre	23 38 47.7	
VYHS	Vyhne	142.47	291	ePKP	PKPpre	23 38 47.7	
253A	Ashland	142.52	100	P	PKPpre	23 38 47.1	
343A	Fulton Ridge,	142.58	91	P	PKPpre	23 38 47.7	
X48A	Hartselle	142.59	97	P	PKPpre	23 38 46.9	
Y49A	Blount Mountai	142.61	98	P	PKPpre	23 38 47.0	
OJC	Ojcow	142.63	294	ePKP	PKPpre	23 38 48.6	
OJC	Ojcow	142.63	294	ePKPdf	PKPpre	23 38 48.6	
Q41A	Truxton	142.65	88	P	PKPpre	23 38 47.5	
G3A	Ortonville	142.65	76	P	PKPpre	23 38 48.4	
W47A	Westpoint	142.75	96	P	PKPpre	23 38 48.4	
M38A	Pleasantville	142.76	83	P	PKPpre	23 38 48.6	
L37A	Phoenix Point,	142.79	82	P	PKPpre	23 38 49.9	
H43A	Spellman Lake,	142.81	77	P	PKPpre	23 38 49.4	
253A	Americus	142.85	103	P	PKPpre	23 38 50.4	
O40A	La Belle	142.90	86	P	PKPpre	23 38 49.2	
N39A	Derby Farms, D	142.91	84	P	PKPpre	23 38 49.3	
552A	Oreana Park,	142.92	107	P	PKPdf	23 38 50.8	-2.0
E27A	Braaten, Kindr	142.92	73	P	PKPdf	23 38 50.1	-2.1
FINES	FINESSE Array B	142.95	313	ePKP	PKPdf	23 38 50.3	-1.5
ANWB	Willy Bob	143.00	144	PFAKE	LR	23 39 00.0	+6.8
SCIA	State Center	143.01	82	P	PKPbc	23 38 50.8	+1.3
SCIA	State Center	143.01	82	PFAKE	LR	23 39 00.0	+7.4
J36A	Genoa 1, Swea	143.04	80	P	PKPbc	23 38 50.3	+0.8
F33A	5 Mile Ranch,	143.05	75	P	PKPbc	23 38 50.1	+0.7
Y50A	Pleasant	143.06	99	P	PKPbc	23 38 50.1	+0.3
C31A	Landman Farms,	143.06	71	P	PKPbc	23 38 49.6	+0.2
U46A	Springville	143.06	94	P	PKPbc	23 38 49.2	-0.5
Q42A	Golden Eagle	143.07	88	P	PKPbc	23 38 49.6	-0.1
X49A	Woodville	143.09	98	P	PKPbc	23 38 49.2	-0.6
R43A	Red Bud	143.09	90	P	PKPbc	23 38 49.6	-0.2
W48A	Pulaski	143.10	96	P	PKPab	23 38 49.0	+0.6
WVT	Wavely	143.14	94	P	PKPbc	23 38 49.7	-0.2
V47A	Nunnely	143.16	95	P	PKPab	23 38 48.0	-0.6
T45A	Packman	143.17	92	P	PKPab	23 38 48.6	-0.0
P41A	Barry, Barry	143.17	87	P	PKPab	23 38 48.0	-0.5
G34A	Benson	143.17	76	P	PKPbc	23 38 49.3	-0.5
S44A	Carbondale	143.18	91	P	PKPab	23 38 48.5	-0.1
K37A	Belmond	143.19	81	P	PKPab	23 38 48.9	+0.4
D32A	Woodgrove Acres,	143.20	73	P	PKPab	23 38 49.1	+0.6
254A	Abbeville	143.30	104	P	PKPab	23 38 49.4	+0.2
FFC	Flin Flon	143.30	59	ePKPdf	LR	23 38 52.3	-0.3
FFC	Flin Flon	143.30	59	ePKIKP	PKPdf	23 38 52.3	-0.3
MODS	Modra-Piesok	143.35	290	ePKIKP	PKPbc	23 38 50.9	+0.7
MODS	Modra-Piesok	143.35	290	ePKP	PKPbc	23 38 50.9	+0.7
153A	Fort Valley	143.44	102	P	PKPab	23 38 50.0	+0.2
OKC	Ostrava-Krasne	143.45	292	AMS	AMS	00 47 30.0	
N40A	Mertquale, Sal	143.50	85	P	PKPab	23 38 50.0	+0.1
J37A	Redenius Farm,	143.53	80	P	PKPab	23 38 49.6	-0.3
O41A	Passleys Farm,	143.53	86	P	PKPab	23 38 50.0	+0.1
E33A	Westby DABS, E	143.54	74	P	PKPab	23 38 49.4	-0.4
V48A	Smith Brothers	143.54	96	P	PKPab	23 38 49.4	-0.8
P42A	Winchester	143.57	88	P	PKPab	23 38 50.1	-0.1
356A	Blackshear	143.59	106	P	PKPab	23 38 49.4	-1.0
S45A	Carrier Mills	143.60	92	P	PKPab	23 38 50.0	-0.3
R44A	Waltonville	143.62	90	P	PKPab	23 38 49.7	-0.6
Q43A	New Douglas	143.62	89	P	PKPab	23 38 49.9	-0.4
T46A	Princeton	143.66	93	P	PKPab	23 38 49.7	-0.8
F34A	Alexandria	143.67	75	P	PKPab	23 38 50.3	0.0
U47A	Clarksville	143.68	94	P	PKPab	23 38 50.0	-0.6
K38A	Parkersburg	143.68	82	P	PKPab	23 38 50.6	+0.1
C32A	Crookston	143.81	72	P	PKPab	23 38 50.9	+0.1
KEV	Kevo	143.83	327	PFAKE	LR	23 39 00.0	+6.9
M40A	Post Highland	143.83	84	P	PKPab	23 38 51.1	+0.1
154A	Montrose	143.86	103	P	PKPab	23 38 50.8	-0.6
N41A	Harden Midland	143.87	86	P	PKPab	23 38 50.9	-0.3
G35A	Watkins	143.88	77	P	PKPab	23 38 51.4	+0.3
A31A	Linda St. Vin	143.88	70	P	PKPab	23 38 51.2	+0.2
L39A	Wynton	143.90	83	P	PKPab	23 38 51.5	+0.2
H36A	Jessenland, He	143.92	78	P	PKPbc	23 38 51.8	-0.1
D33A	AnnSam,	143.92	73	P	PKPbc	23 38 51.6	-0.3
ARSA	Arzberg	143.93	287	ePKPdf	PKPbc	23 38 51.7	-0.2
SOKA	Sokot	143.97	286	ePKPdf	PKPbc	23 38 52.8	+0.7
I37A	Lemond, Waseca	143.97	79	P	PKPab	23 38 50.8	-0.7
CONA	Conrad Observa	144.02	288	ePKPdf	PKPab	23 38 50.9	-0.8
Q44A	Meyer Farm, Va	144.03	90	P	PKPab	23 38 50.6	-1.3
B32A	Ashes, Strandg	144.05	71	P	PKPab	23 38 51.0	-0.7
357A	Townsend	144.05	106	P	PKPab	23 38 50.6	-1.6
E34A	Wadena	144.06	74	P	PKPab	23 38 51.7	-0.1
O42A	Bal	144.08	87	P	PKPab	23 38 51.5	-0.6
F35A	Swanville	144.12	76	P	PKPab	23 38 51.5	-0.5
T47A	Sharon Grove	144.13	94	P	PKPab	23 38 51.6	-0.7
P43A	Skaggs, Pawnee	144.13	88	P	PKPab	23 38 51.9	-0.4
R45A	Skyllar, Fairr	144.15	91	P	PKPab	23 38 52.5	+0.1
S46A	Don Dixon Farm	144.16	92	P	PKPab	23 38 52.3	-0.1
GOGA	Godfrey	144.17	102	P	PKPab	23 38 51.4	-1.2
GOGA	Godfrey	144.17	102	ePKPdf	LR	23 38 51.0	-1.5
GOGA	Godfrey	144.17	102	ePKHKP	PKPab	23 38 51.1	-1.5
256A	Glennville	144.19	105	P	PKPab	23 38 52.4	-0.3
U48A	Cassie Pea, Po	144.20	95	P	PKPbc	23 38 52.9	-0.2
J38A	Wedel Dairy, R	144.21	81	P	PKPbc	23 38 52.9	+0.1
C33A	Trail	144.24	72	P	PKPab	23 38 52.1	-0.3
155A	Kite	144.27	104	P	PKPbc	23 38 53.5	+0.2
K39A	Oelwein	144.27	82	P	PKPab	23 38 51.7	-1.0
A32A	Rocking H Ranc	144.29	70	P	PKPab	23 38 50.9	-1.7
D34A	Park Rapids	144.29	74	P	PKPab	23 38 51.5	-1.2
ARCES	ARCESSE Array B	144.34	327	ePKP	PKPab	23 38 51.6	-0.6
G36A	St. Michael	144.34	77	P	PKPab	23 38 51.9	-1.0
KRLC	Krailky	144.35	292	ePKP	PKPab	23 38 52.9	+0.1
L40A	Anamosa	144.36	83	P	PKPab	23 38 52.3	-0.8
AGMN	Agassiz Nation	144.41	71	P	PKPab	23 38 52.2	-0.8
AGMN	Agassiz Nation	144.41	71	ePKPdf	LR	23 38 51.9	-1.2
M41A	Milan	144.43	85	P	PKPab	23 38 52.2	-1.1
N42A	Yates City	144.46	86	P	PKPab	23 38 53.1	-0.3

23d 23h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Contains station data for codes E37A through ACSO.

2012 MAY

Table with columns: LLD, Lille Linde, HFS, Lille Linde, F43A, Flat Rock, BFO, Black Forest, BFO, Black Forest, CNNC, Cliffs of the, E43A, Lone Tree Farm, F45A, CMU Biological, E44A, Grand Marais A, NB2, NORSAR Subarray, NB2, NORSAR Subarray, NOA, NORSAR Array B, F46A, Macinaw City, MCWV, Mont Chateau, WLF, Waferdange, N54A, Moraine State, MEM, Embach, CBN, Corbin Frederi, CBN, Corbin Frederi, BEBN, Eben Enael, BCLA, Clavier, M54A, Oil Creek Stat, O56A, Blum Knob Stat, ERPA, Erie, DOU, Dourbes, UCC, Uccle, SSPA, Standing Stone, SSPA, Standing Stone, DAG, Danmarks Havn, DAG, Danmarks Havn, ESDC, Sonseca Array, ESDC, Sonseca Array, PAB, San Pablo, PAB, San Pablo, PAB, San Pablo, SADO, Sadowa, PBDV, Barranco-do-Ve, PBAR, Barrancos, N58A, State Game Land, PCVE, Castro Verde, MORF, Marneleite, BINY, Binghamton, PESTR, Estremoz, PNCL, Nicolau / Gran, PNCL, Nicolau / Gran, BBSR, BB Station, PMRV, Murro?o, KULLO, Kullorsvaug, PCBR, Castelo Branco, PMTG, Montargis, ALMR, Almerim, MTE, Manteigas, FUL, Funchal, MVO, Moncorvo, PMAR, Madeira, PBRG, Braganca, PCAS, Casimilo, Conde, PVIS, Viseu, PVRL, Vila Real, POLO, Lamas de Oio, POLO, Lamas de Oio, LONY, Lonay, EKA, Eskdamuir Ar, ESK, Eskdalemuir, ESK, Eskdalemuir, PKME, Peaks-Kenny Pk, PKME, Peaks-Kenny Pk, BORG, Borgarnes, BORG, Borgarnes, SFJD, Kangerlussuaq, SFJD, Kangerlussuaq, CMLA, Cha da Macela, CMLA, Cha da Macela, IDC 23 23:21:28.5, IDC 23 23:33:34, KRSR, Korea Array, H11N2, WAKE ISLAND Hy, SONM, Songoing Array, MKAR, Makanchi Array, KURBS, Kurchatov Arra, BVAR, Boroyevoye Array, ISCJB 23 23:33:34, IDC 23 23:33:34, NEIC 23 23:33:36, ISC 23 23:33:36, Code Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC.

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Table with columns: STKA, Stephens Creek, CASY, Casey, RPZ, Rata Peaks, H01W1, Cape Leeuwin H, H01W2, Cape Leeuwin H, H01W3, Cape Leeuwin H, ASAR, Alice Springs, VNSA, Vanda, WRA, Warramunga Arr, WRR, Tennant Creek, GSPA, South Pole Qui, SNAW, Snares, CMAR, Chiang Mai Arr, KSAR, Wonyi Arr, KRSR, Korea Arr, ARCES, ARCES Array B, GRES, GRES Array B, ULM, Lac du Bonnet, TZTN, Tazewell, RES, Wokley Bay, FCC, Fort Churchill, DJA 23 23:36:02.9, IDC 23 23:36:04, NEIC 23 23:36:09, Code Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC.



24d Oh

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ATVO, BRMO, MOSI, ABSI, PCP, ABTA, WTTA, WATA, WOTA, DAVA, RETA, KBA, PGF, OBKA, SBF, SOKA, LPGA, MOA, LMR, ORIF, KIZ, CHMF, SMRF, and DJA.

2021 MAY

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like LBMI, GSI, KMSI, SANI, PMG, WRAB, WRA, ASAR, CHTO, STKA, KSAR, KRSR, MJAR, USRK, ULN, SONM, PETK, MKAR, ZALV, KURB, KURK, BVAR, BVAR, BRVK, TIXI, AKTO, RAYN, STKA, H01W1, H01W2, H01W3, ASAR, VNSA, WRA, SNA, H08S2, H08S1, H08S3, ARCES, GERES, GERSI, STKA, H01W1, H01W2, H01W3, ASAR, WRA, QSPA, H08S2, H08S1, H08S3, CSEM, VNB, VNB, VNB, TVAN, GEVA, GEVA, ADCV, ADCV, ADCV, ERCIS, ERCV, ERCV, ERCV, VMUR, VMUR, VMUR, GUR, GUR, GUR, AGRB, AGRB, HAKT, HAKT, SRTM, SRTM.

1518

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SIRT, SIRT, EATA, EATA, WRB, BTM, BTM, BTM, JMA, OFUJ, OFUJ, JIO, MIYJ, MIYJ, JOM, JFT, JYK, JYK, JANG, JOT, JRY, JCH, JCH, JKB, NEM, NEM, JTKR, JTKR, WRA, ASAR, MKAR, STKA, H01W1, H01W2, H01W3, ASAR, VNSA, WRA, SNA, H08S2, H08S1, H08S3, ARCES, GERES, GERSI, STKA, H01W1, H01W2, H01W3, ASAR, WRA, QSPA, H08S2, H08S1, H08S3, CSEM, VNB, VNB, VNB, TVAN, GEVA, GEVA, ADCV, ADCV, ADCV, ERCIS, ERCV, ERCV, ERCV, VMUR, VMUR, VMUR, GUR, GUR, GUR, AGRB, AGRB, HAKT, HAKT, SRTM, SRTM.





24d 2h

Table with columns: HWQ, MMLI, SLTI, HMDT, DSI, etc. and rows for various stations like Hawqa, Mount Malkishu, Sal'it, Nahal Hemdat, Dead Sea, Amatzia, etc.

IDC 24 00:38:30.5±1.2, 1.56N; 127.65E, h0km, mb3.9/7, mb1 4.1/7, mb1mx3.6/11, mbtmp3.9/7, Error ellipse: s-maj=129.2km s-min=61.7km az=68.0, Halmahera

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include WRA, ASAR, STKA, SONM, MKAR, KURBS, BVAR.

IDC 24 00:40:32.6±7.6, 49.93S; 140.40E, h0km, mb3.9/2, mb1 4.2/2, mb1mx3.7/37, mbtmp3.9/2, Error ellipse: s-maj=325.9km s-min=60.2km az=98.0, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include H01W1, H01W2, H01W3, ASAR, WRA, GERES.

SJA 24 00:45:45.2±0.4, 35.36S; 70.57W, h1km, 5km, ML2.8, MW3.6, Chile-Argentina border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include G005, RFA, ROC1, AAGR, ARCO, RTLS.

IDC 24 00:46:43.1±0.8, 1.62N; 127.71E, h0km, mb4.0/11, mb1 4.1/12, mb1mx3.9/56, mbtmp4.0/12, ML3.4/1, Error ellipse: s-maj=37.2km s-min=14.4km az=67.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include LBM1, KMSI, SANI, SIJI, APSI, WRSI, WRA, ASAR, KSRS, STKA, ULN, SONM, PETK, MKAR, ZALV, SEV, KURBS, KURK, BVAR, BRVK, RAYN.

IDC 24 00:46:46.5±0.4, 1.71N; 127.79E, h35km, mb4.1/15, Error ellipse: s-maj=9.0km s-min=5.9km az=106.5

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include CHJO, JCN, JYT, JHO, MJAR, MAT, JHJ, JHU, JJC, JCR, JKS, KRSR, USRK, H1N1, H1N2, H1N3, SONM, H1S1, H1S2, ZALV, MKAR, KURBS, HNR, ILAR.

IDC 24 00:46:48.3±0.6, 1.61N; 127.73E, h35km, n23, s159/25, mb4.0/15, Halmahera

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include LBM1, KMSI, SANI, SIJI, APSI, WRSI, WRA, ASAR, KSRS, STKA, ULN, SONM, PETK, MKAR, ZALV, SEV, KURBS, KURK, BVAR, BRVK, RAYN.

ISCJB 24 00:48:04.0±0.7, 21.25S; 0.05; 66.91W, 0.10, h200km, mb3.7/9, Error ellipse: s-maj=13.1km s-min=7.5km az=7.8

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include YJA, YAVI.

2012 MAY

Table with columns: YJA, YAVI, HJA, HSA, FSA, LPAZ, AHML, SIV, CPUP, PLCA, PTGA, DBIC, KOWA, PDAR, TORD, BOSA, MAW, ESDC, YKA, KURBS, ZALV, MKAR, SONM.

JMA 24 01:01:21.6±0.2, 37.23N; 142.46E, h13km, M3.5, Off east coast of Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include JFK, ONAJ, ONAJ, JMM, JIO, JFT, JMG, JAK, JAG, MAT, MAT.

ISCJB 24 01:07:37.6±0.5, 35.66N; 0.04; 140.70E, 0.06, h55km, 3km, mb3.7/19, Error ellipse: s-maj=8.1km s-min=6.3km az=170.1

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include CHJO, JCN, JYT, JHO, MJAR, MAT, JHJ, JHU, JJC, JCR, JKS, KRSR, USRK, H1N1, H1N2, H1N3, SEY, H1S1, H1S2, ZALV, MKAR, KURBS, HNR, ILAR.

JMA 24 01:09:38.6±0.1, 35.73N; 140.63E, h46km, 13km, M3.6, Broadband fault plane solution: P waves, NP1: 0.8, 0.0000°, 879.00000°, 8.7, 0.00000°. NP2: 0.200, 0.00000°, 81.00000°, 1.06, 0.00000°. Principal axes: T: P156.00000°, Azm274.00000°; N: P13.00000°, Azm91.00000°; JMA Felt II J1.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include CHJO, JCN, JYT, JHO, MJAR, MAT, JHJ, JHU, JJC, JCR, JKS, KRSR, USRK, H1N1, H1N2, H1N3, SEY, H1S1, H1S2, ZALV, MKAR, KURBS, HNR, ILAR.

ISC 24 01:09:40.7±1.5, 35.58N; 140.52E, h68km, 13km, mb3.5/19, mb1 3.6/22, mb1mx3.5/71, mbtmp3.8/22, Error ellipse: s-maj=17.6km s-min=7.4km az=69.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include CHJO, JCN, JYT, JHO, MJAR, MAT, JHJ, JHU, JJC, JCR, JKS, KRSR, USRK, H1N1, H1N2, H1N3, SEY, H1S1, H1S2, ZALV, MKAR, KURBS, HNR, ILAR.

ISC 24 01:09:48.0±0.8, 35.66N; 0.05; 140.70E, 0.06, h51km, 7km, n45, s193/45, mb3.8/19, 1C-3D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include CHJO, JCN, JYT, JHO, MJAR, MAT, JHJ, JHU, JJC, JCR, JKS, KRSR, USRK, H1N1, H1N2, H1N3, SEY, H1S1, H1S2, ZALV, MKAR, KURBS, HNR, ILAR.

MEX 24 01:55:52.1±0.5, 16.33N; 98.30W, h5km, 9km, MD3.5, Near coast of Guerrero

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include PNLG, TLIG, VHO, PNLG, TLIG, VHO.

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Table with columns: YKA, FINES, AKASE, HFS, NB2, NOA, BRTR, GERES, TXAR, LPAZ.

ISCJB 24 01:15:04.2±0.5, 35.66N; 0.04; 140.70E, 0.07, h56km, 4km, mb3.9/12, Error ellipse: s-maj=9.5km s-min=7.1km az=170.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include CHJO, JCN, JYT, JHO, MJAR, MAT, JHJ, JHU, JJC, JCR, JKS, KRSR, USRK, H1N1, H1N2, H1N3, SEY, H1S1, H1S2, ZALV, MKAR, KURBS, HNR, ILAR.

JMA 24 01:15:05.3±0.1, 35.73N; 140.63E, h48km, 18km, M3.2, Broadband fault plane solution: P waves, NP1: 0.8, 0.0000°, 883.00000°, 8.9, 0.00000°. NP2: 0.200, 0.00000°, 87.00000°, 1.08, 0.00000°. Principal axes: T: P152.00000°, Azm281.00000°; N: P1.00000°, Azm12.00000°; JMA Felt II J1.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include CHJO, JCN, JYT, JHO, MJAR, MAT, JHJ, JHU, JJC, JCR, JKS, KRSR, USRK, H1N1, H1N2, H1N3, SEY, H1S1, H1S2, ZALV, MKAR, KURBS, HNR, ILAR.

IDC 24 01:15:05.6±1.8, 35.65N; 140.68E, h48km, 18km, mb3.5/11, mb1 3.6/15, mb1mx3.4/69, mbtmp3.8/15, ML3.5/3, Error ellipse: s-maj=23.6km s-min=11.7km az=79.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include CHJO, JCN, JYT, JHO, MJAR, MAT, JHJ, JHU, JJC, JCR, JKS, KRSR, USRK, H1N1, H1N2, H1N3, SEY, H1S1, H1S2, ZALV, MKAR, KURBS, HNR, ILAR.

ISC 24 01:15:05.8±0.8, 35.66N; 0.05; 140.70E, 0.06, h47km, 7km, n27, s193/17, mb3.7/12, 1C-3D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include CHJO, JCN, JYT, JHO, MJAR, MAT, JHJ, JHU, JJC, JCR, JKS, KRSR, USRK, H1N1, H1N2, H1N3, SEY, H1S1, H1S2, ZALV, MKAR, KURBS, HNR, ILAR.

ISC 24 02:17:14.2±0.9, 3.0N; 0.2; 86.5E, 0.2, h10km, mb3.7/8, MS3.6/3, Error ellipse: s-maj=30.7km s-min=14.7km az=38.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include PNLG, TLIG, VHO, PNLG, TLIG, VHO.

IDC 24 02:17:14.7±1.0, 2.97N; 86.46E, h0km, mb3.7/8, mb1 3.8/8, mb1mx3.5/66, mbtmp3.7/8, ML4.9/1, MS3.6/6, Ms1 3.6/6, ms1mx3.0/64, Error ellipse: s-maj=39.6km s-min=20.4km az=42.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include PNLG, TLIG, VHO, PNLG, TLIG, VHO.

ISC 24 02:17:16.4±1.1, 3.0N; 0.2; 86.3E, 0.2, h10km, n17, s198/11, mb3.8/8, MS3.5/3, North Indian Ocean

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include PNLG, TLIG, VHO, PNLG, TLIG, VHO.

comp=Z,46nm,20.0s,baz=246,slow=33
TXAR Lajitas Array 146.42 1.6 PKPbc PKPab 02 36 58.7 -0.7
0.1nm,0.3s,baz=318,slow=1.2,SNR=3.8

CSEM 24 02:22:57.1, 42.69N,46.48E, h31km, mb3.8
MOS 24 02:22:57.6, 0.9, 42.69N, 46.48E, h31km, mb3.8, 1, 9C-3D,
Error ellipse: s-maj=9.6km s-min=6.2km az=39.3,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Botlikh, Khunzakh, Uncukul, Karanay, Vedeno, Arakani, Dylim, Dubki, Buynaks, Groznyy, Kumukh, Makhachkala, Urkarakh, Derbent, Akhty, Batakoyurt, LACR, Shar-Archa, Kislodovsk, Sochi, Annapa, Neytrino, Arti, Borovoye, AAK, Ala-Archa.

NSSP 24 02:23:44.6, 1.41, 42N, 46.67E, h8km, Ms3.0
CSEM 24 02:23:46.4, 0.3, 41.51N, 46.74E, h2km, ML3.0, Error
ellipse: s-maj=6.3km s-min=3.9km az=138.0,

MOS 24 02:23:46.6, 1.1, 41.45N, 46.81E, h22km, mb4.1/1, Error
ellipse: s-maj=10.3km s-min=6.0km az=93.0,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like DDFLF, AKT, KMUKR, GUNIB, GNBR, URKR, DGRG, KSMR, XNZR, ARKR, UNCR, BTNL, SEAG, TBLG, DBC, DVE, MAK, DRN, AKT, DLMLR, DUS, STEZ, GROZNY, GROC, DLMLR, GRS, GUDG, LACR, BGD, EAK, ZEI.

ISCJB 24 02:34:42.1, 1.0, 39.44N, 0.06, 143.9E, 0.1, h1km,
mb3.6/6, Error ellipse: s-maj=13.5km s-min=5.5km
az=33.1,

ISC 24 02:34:44.5, 2.8, 39.64N, 143.54E, h0km, mb3.6/6,
mb1 3.77, mb1mx3.4/65, mbtmp3.6/7, ML3.2/1, Error
ellipse: s-maj=66.4km s-min=32.4km az=150.0,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like JTH, OFUJ, JOM, JMK, JNBK, JAK, JAR, NEM2, ASAJ, MJAR, MAT, ZALV, MKAR, KURBS, YKA, FINES, HFS, MKAR, TLY, KSRS, WRA, MEX, PNIG, TLIG, VHO, CAIG, TORI, YKA, ILAR, DLMLR, DUS, STEZ, GROZNY, GROC, DLMLR, GRS, GUDG, LACR, BGD, EAK, ZEI.

NIED 24 02:34:00, 39.40N, 144.00E, h1km, Mw3.7 Best double
couple: M3.97000, 1014 NP1, 174.00000, 330.00000,
1.42, 00000. NP2, 145.00000, 870.00000, 113.00000.
JMA 24 02:34:41.6, 0.2, 39.37N, 144.03E, h2km, mb3.6,

24d 3h

IDC 24 03:20:46.4-4.5, 22.89N:121.83E, h0km, mb3.4/3, mb1 3.6/4, mb1mx3.2/69, mbtmp3.5/4, ML3.7/1, MS2.8/1, Ms1 2.8/1, ms1mx2.3/38, Error ellipse: s-maj=96.7km s-min=53.8km az=5.0

ISCJB 24 03:20:56.9-0.3, 24.30N:0.01:121.83E:0.01, h9km, mb3.2/3, Error ellipse: s-maj=2.2km s-min=1.7km az=30.7

TAP 24 03:20:56.9-0.1, 24.25N:121.77E, h20km, mb3.3/3, JMA 24 03:20:57.1-0.1, 24.31N:0.01:121.82E:0.02, h12km, mb3.1/07, h164, mb3.3/3, 5C-18D, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like NANB, ENA, ENAH, NACB, TWC, TWD, EOST, EOST, HWA, ENTT, ENTT, NNSB, NNSB, NNSH, NNS, TWE, ENLB, ENLB, ILA, ILA, SLBB, SLBB, YHNB, YHNB, EGS, NTC, NWT, NWT, NSK, NSK, TWT, TWT, ESL, TDCB, TDCB, CHGB, CHGB, TIPB, TIPB, NWF, NWF, WFSB, WFSB, TAP1, TAP1, LIOB, LIOB, NSTT, NSTT, VVDT, VVDT, DPDB, DPDB, TWS1, TWS1, NCUH, NCUH, NYUO, NYUO, YM10, YM10, YM04, YM04.

2012 MAY

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like YM07, YM07, YM11, YM11, HGSD, HGSD, YM12, YM12, SBCB, SBCB, YM08, YM08, YM03, YM03, EHY, EHY, NTST, NTST, HSN, HSN, SMLT, SMLT, TWQ1, TWQ1, TWQ1, TWQ1, NMLH, NMLH, TYC, TYC, NSY, NSY, TWY, TWY, YULB, YULB, YULB, YULB, JYNG, JYNG, YJNG, YJNG, TCU, TCU, TWF1, TWF1, YOJ, YOJ, YOJ, YOJ, WJS, WJS, WNT, WNT, WCHH, WCHH, FULB, FULB, ALS, ALS, CHKT, CHKT, WGK, WGK, WDLH, WDLH, ELDTW, ELDTW, RLNB, RLNB, TPUB, TPUB, STYT, STYT, WTP, WTP, CHN1, CHN1, TWG, TWG, TWGBT, TWGBT, SGST, SGST, SLGT, SLGT, IRIF, IRIF, HATJ, HATJ, SSD, SSD, JKRS, JKRS, MASBT, MASBT, MASBT, MASBT, EAST, EAST, JIJ, JIJ, PNG, PNG, PHUB, PHUB, PHUB, PHUB, SCZT, SCZT, WDGJ, WDGJ, WDGJ, WDGJ, VVUC, VVUC, JISG, JISG, VCHM, VCHM, VCHM, VCHM, MATB, MATB, JTJ, JTJ, KNM, KNM, JIRB, JIRB, JIRB, JIRB, JOW, JOW, KRSR, KRSR, SONM, SONM, MKAR, MKAR, YKA, YKA.

1522

s-maj=185.0km s-min=22.1km az=67.0
ISC 24 03:28:40.3-1.6, 17N:0.1:128.3E:0.3, h10km, n5, of62/6, mb3.8/4, Halmahera

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

IDC 24 03:46:13.1-2.1, 3.18S:129.27E, h0km, mb3.6/3, mb1 3.8/4, mb1mx3.5/63, mbtmp3.7/4, ML3.1/1, Error ellipse: s-maj=176.3km s-min=24.9km az=70.0

ISCJB 24 03:46:15.7-0.8, 4.00S:0.06:127.73E:0.04, h10km, mb3.6/2, Error ellipse: s-maj=8.5km s-min=6.0km az=4.7

DJA 24 03:46:18.6-1.0, 4.5S:10.12:128E, h10km, M3.5/7, MLV3.5/7

ISC 24 03:46:17.1-1.0, 3.89S:0.09:127.76E:0.05, h10km, n10, of96/13, Seram

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like AAI, AAI, NLAI, NLAI, MASOH, MASOH, SANI, SANI, LBMI, LBMI, FAKI, FAKI, WARR, WARR, ASAR, ASAR, MKAR, MKAR, KURBB, KURBB.

IDC 24 03:48:52.0-1.2, 32.63N:92.66E, h0km, mb3.4/5, mb1 3.5/7, mb1mx3.6/67, mbtmp3.5/7, ML3.6/2, MS2.8/2, Ms1 2.9/2, ms1mx2.5/48, Error ellipse: s-maj=39.6km s-min=23.7km az=59.0

ISCJB 24 03:48:54.5-0.9, 32.63N:0.09:92.5E:0.1, h33km, mb3.5/4, MS2.8/1, Error ellipse: s-maj=19.8km s-min=8.8km az=31.5

ISC 24 03:48:57.0-1.1, 32.7N:0.1:92.5E:0.2, h35km, n15, of115/13, mb3.6/4, Xizang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like JIRN, JIRN, CUMBA, CUMBA, PKI, PKI, PKIN, PKIN, DANN, DANN, PYUN, PYUN, CMAR, CMAR, MKAR, MKAR, SONM, SONM, KURBB, KURBB, ZALV, ZALV, KRSR, KRSR, BRTR, BRTR, ASAR, ASAR, TORD, TORD.

ISCJB 24 03:55:55.8-0.4, 67.22N:0.04:142.88W:0.07, h10km, Error ellipse: s-maj=5.5km s-min=3.8km az=157.3

NEIC 24 03:55:59.2-0.0, 67.13N:143.27W, h12km, ML3.1(AEIC), After AEIC

PGC 24 03:55:59.3-0.0, 67.23N:143.18W, h10km, ML3.2/2, 30km Era of Fairbanks, AK Northern Alaska

ISC 24 03:55:59.2-0.0, 67.15N:0.04:142.99W:0.03, h10km, n38, of222/55, Northern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like BM3, BM3, FYU, FYU, PRP, PRP, EGAK, EGAK, COLD, COLD, COLD, COLD, ILB, ILB, TOLK, TOLK, MIDM, MIDM, CCB, CCB, SCRR, SCRR, WRH, WRH, DAWY, DAWY, RIDD, RIDD, DOT, DOT, DOT, DOT, INK, INK, INK, INK, BKA3, BKA3, PAX, PAX, IM3, IM3, DHY, DHY, RND, RND, BPWF, BPWF, MDM, MDM, CAST, CAST, BALM, BALM, CTGM, CTGM, YUK5, YUK5, YUK5, YUK5, HNT, HNT, YUK7, YUK7, YUK7, YUK7, LDBN, LDBN, LDBN, LDBN, WHY, WHY, WHY, WHY, DHRN, DHRN, DHRN, DHRN, KUKN, KUKN, KUKN, KUKN, HPLN, HPLN, HPLN, HPLN, YKW3, YKW3, YKW3, YKW3.



Table of astronomical observations for 24 days in May 2012, columns include station ID, name, coordinates, and observation details.

Table of astronomical observations for 24 days in May 2012, columns include station ID, name, coordinates, and observation details.

Table of astronomical observations for 24 days in May 2012, columns include station ID, name, coordinates, and observation details.

NIED 24 04:51:00, 38°50'N, 141°60'E, h53km, Mw3.7. Best double...
ISCJB 24 04:51:57.6, 0.7, 38°47'N, 0°04'141.64E, 0.9, h64km, 4km, mb3.9/13, Error ellipse: s-maj=12.9km s-min=5.5km az=25.0

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

Table with station information for NOA, AKASO, and LPAZ, including coordinates and parameters.

DDA 24 05:05:46.0, 38.78N, 121.79E, h13km, ML2.5
ISK 24 05:05:45.2, 38.78N, 121.79E, h15km, ML2.6/4
CSEIM 24 05:05:45.9, 0.2, 38.77N, 121.72E, h12km, ML2.6, Error ellipse: s-maj=5.9km s-min=4.8km az=81.0

Main table for station 1525, listing station names, coordinates, and seismic data.

TAP 24 05:12:26.3, 24.31N, 121.79E, h13km, ML2.5, C, Taiwan

Main table for station 1525, listing station names, coordinates, and seismic data.

ISCJB 24 05:14:44.8, 0.3, 24.31N, 121.79E, h13km, ML2.5, C, Taiwan
Error ellipse: s-maj=2.9km s-min=2.3km az=41.4

Main table for station 1525, listing station names, coordinates, and seismic data.

Main table for station 2012 MAY, listing station names, coordinates, and seismic data.

NIED 24 05:16:00.31, 23.30N, 138.50E, h360km, Mw4.9 Best double couple: Mo2.44000E-10, NP1.1230000E, S40.00000E, -128.00000E, NP2.3480000E, S60.00000E, -63.00000E

Main table for station 2012 MAY, listing station names, coordinates, and seismic data.

ISC 24 05:16:29.1, 0.4, 31.45N, 102.04E, h383km, gkm, Southeast of Honshu

Main table for station 24d 5h, listing station names, coordinates, and seismic data.





Table with columns: YKA, MOS, BANOM, SHME, MSFE, LPSR, OBN, OBN, OBN, UOSS, DAG, SOHO, HATO, UJ, ASHO, VSR, VSR, VSR, VOR, VOR, ALNE, GOF, GOF, ASUD, NCK, NCK, NCK, ZEI, ZEI, FIA1, FINES, FINES, KBZ, KIV, KIV, KIV, KIV, KIV, KIV, GNI, GNI, GNI, GNI, KULLO, KULLO, VSU, VSU, ANN, ANN, IDAR, IDAR, IDID, IDID, ISAL, ISAL, IIGN, IIGN, SUMG, SUMG, SUMG, WHFO, AKAS, AKKB, AKKB, AK11, SCO, SCO, SCO, SIM, SIM, HFS, SUW, SUW, SUW, DOWB, NB2, NB2, NB2, NOA, NOA, NC602, AKN, SORM, KIS, KIS, STRU, HZA, HYA, FOO, KONO, KONO, LRM, FCC, FCC, DLMT, EGYM, RAYN, NVAR, NVAR, TLOR, BOZ, BR131, BR131, BRTR, BRTR, BRTR, BEL

Table with columns: BEL, ASK, CFR, TESR, BUR08, ANTO, ANTO, BUR04, BURAR, BLSS, BSD, BSD, BSD, KWP, KWP, KWP, TIRR, ODBI, VRI, TLB, HARR, PLOH, SFJD, SFJD, SNART, ICOR, STAV, ISTR, ARCA, H17A, BMR, MLR, MLR, MLR, DOPR, UZH, UZH, STHS, STHS, STHS, SECR, TRPA, OJC, OJC, OJC, CRVS, CRVS, CRVS, MUD, MUD, MUD, NIE, NIE, VOIR, CJR, TPNV, TPNV, ARR, DRGR, HWUT, HWUT, LANS, LANS, LOT, OKC, OKC, PSUT, CSS, KSP, KSP, PDAR, MORC, MORC, MORC, PSZ, PSZ, PSZ, KRLC, KRLC, KRALIK, DPC, DPC, DPC, UPC, UPC, VYHS, VYHS, VYHS, VYAC, PVCC, PVCC, BRG, BRG, BRG, CLL, CLL, CLL, MODS, MODS, MODS, GOPC, GOPC, PRU, PRU, PRU, VTS, VTS, VTS, ULM, CONA, RSSD, RSSD, DAMY, KHC, KHC, KHC, GERZ, GERZ, GERZ, GEAO, DIRS, DIRS, MOA, SOKA, SMCO, SMCO, OBKA, KBA, EKA, ESK, ESK, PDG, TTTG

Table with columns: TTTG, MYKA, ABTA, WBTA, MOT, SQTA, RETA, FETA, BFO, BFO, DAVA, FUORN, ECH, ECH, TUE, SENIN, BNI, ENI, SSB, SSB, TXAR, TXAR, KOWA, BOS, DBIC, TIC, KIC, LIC, LIC, SAML, LPAZ, CPUP

MAN 24 05:17:06.2, 17.97N-120.77E, h14km, mb4.2, ML3.0, MS2.7, 1D, Luzon

DJA 24 05:20:24.0-0.7, 0.7N-4.99E, h18km, 10km, M3.7/8, ML3.7/8, Northern Sumatra

DDA 24 05:26:02.3, 35.25N-27.85E, h7km, M13.0, ISK 24 05:26:07.8, 35.51N-27.90E, h8km, ML3.0/10, CSEM 24 05:26:08.3, 35.56N-27.91E, h2km, ML3.0, Error ellipse: s-maj=7.0km s-min=3.6km az=154.0

ISC 24 05:26:09.1, 4.35S-50N-0.07-27.87E, 0.04, h25km, 15km, n33, 179-49, Dodecanese Islands



MKZ		S	Sn	05 59 09.5	-0.9
SMKR	Semkarok	2.62 302	eP	05 58 48.1	+0.2
SMKR		eS	Pn	05 59 18.8	+0.2
SMKR	Semkarok	2.62 302	pN	05 58 48.1	+0.2
SMKR		eS	Pn	05 59 18.8	+0.2
BDR	Baidarnaya	2.74 300	eS	05 59 21.8	+0.2
BDR		eS	Pn	05 58 50.1	+0.5
BDR	Baidarnaya	2.74 300	pN	05 59 21.8	+0.2
BDR		eS	Pn	05 58 50.1	+0.5
ZLN	Zelenaya	2.76 288	eP	05 59 22.9	+0.8
ZLN		eS	Pn	05 59 22.9	+0.8
ZLN	Zelenaya	2.76 288	pN	05 59 22.9	+0.8
ZLN		eS	Pn	05 59 22.9	+0.8
SRKR	Sorokina	2.80 302	eP	05 58 50.9	+0.5
SRKR		eS	Pn	05 59 23.9	+0.9
SRKR	Sorokina	2.80 302	pN	05 58 50.9	+0.5
SRKR		eS	Pn	05 59 23.9	+0.9
BZGR	Bezmyannyi-Gr	2.80 286	eP	05 58 51.2	+0.7
BZGR		eS	Pn	05 59 22.8	-0.3
BZGR	Bezmyannyi-Gr	2.80 286	pN	05 58 51.2	+0.7
BZGR		eS	Pn	05 59 22.8	-0.3
CIRR	Tsirk	2.81 289	eP	05 58 51.3	+0.6
CIRR		eS	Pn	05 59 23.6	+0.1
CIRR	Tsirk	2.81 289	pN	05 58 51.3	+0.6
CIRR		eS	Pn	05 59 23.6	+0.1
LGNR	Loginova	2.84 289	iP	05 58 52.0	+0.9
LGNR		eS	Pn	05 59 24.6	+0.3
LGNR	Loginova	2.84 289	pN	05 58 52.0	+0.9
LGNR		eS	Pn	05 59 24.6	+0.3
BZMR	Bezmyannaya	2.91 285	eP	05 58 52.8	+0.8
BZMR		eS	Pn	05 59 26.0	+0.1
BZMR	Bezmyannaya	2.91 285	pN	05 58 52.8	+0.8
BZMR		eS	Pn	05 59 26.0	+0.1
TUMR	Tumrok D	2.92 271	iP	05 59 26.0	+0.1
TUMR		eS	Pn	05 59 26.5	+0.7
BZWR	Bezmyannyi-We	2.92 286	eP	05 58 53.0	+0.9
BZWR		eS	Pn	05 59 26.6	+0.6
BZWR	Bezmyannyi-We	2.92 286	pN	05 58 53.0	+0.9
BZWR		eS	Pn	05 59 26.6	+0.6
KLY	Klyuchi	2.92 293	eP	05 58 51.0	-1.0
KLY		eS	Pn	05 59 23.7	-2.3
KLY	Klyuchi	2.92 293	pN	05 58 51.0	-1.0
KLY		eS	Pn	05 59 23.7	-2.3
KRSR	Krestovskiy	2.94 291	eP	05 58 52.6	+0.2
KRSR		eS	Pn	05 59 25.9	-0.7
KRSR	Krestovskiy	2.94 291	pN	05 58 52.6	+0.2
KRSR		eS	Pn	05 59 25.9	-0.7
KZV	Kizimen	2.98 269	iP	05 58 53.7	+0.7
KZV		eS	Pn	05 59 27.1	-0.5
KZV	Kizimen	2.98 269	pN	05 58 53.7	+0.7
KZV		eS	Pn	05 59 27.1	-0.5
KIRR	Kirishev	3.00 285	eP	05 58 54.1	+0.9
KIRR		eS	Pn	05 59 28.9	+0.9
KIRR	Kirishev	3.00 285	pN	05 58 54.1	+0.9
KIRR		eS	Pn	05 59 28.9	+0.9
KMNR	Kamenistaya	3.03 281	iP	05 58 55.0	+1.5
KMNR		eS	Pn	05 59 29.6	+1.0
KMNR	Kamenistaya	3.03 281	pN	05 58 55.0	+1.5
KMNR		eS	Pn	05 59 29.6	+1.0
TUMR	Tumrok	3.06 272	iP	05 58 55.4	+1.4
TUMR		eS	Pn	05 59 30.4	+1.0
TUMR	Tumrok	3.06 272	pN	05 58 55.4	+1.4
TUMR		eS	Pn	05 59 30.4	+1.0
KPT	Kopyto	3.07 285	eP	05 58 55.1	+1.0
KPT		eS	Pn	05 59 30.6	+1.0
KPT	Kopyto	3.07 285	pN	05 58 55.1	+1.0
KPT		eS	Pn	05 59 30.6	+1.0
KPT	Kopyto	3.07 285	pN	05 58 55.1	+1.0
KPT		eS	Pn	05 59 30.6	+1.0
KOZ	Kozyrevsk	3.28 286	eP	05 58 58.3	+1.4
KOZ		eS	Pn	05 59 37.1	+2.4
KOZ	Kozyrevsk	3.28 286	pN	05 58 58.3	+1.4
KOZ		eS	Pn	05 59 37.1	+2.4
SPN	Mys Shipunski	3.88 238	eP	05 59 05.1	0.0
SPN		eS	Pn	05 59 46.4	-2.9
SPN	Mys Shipunski	3.88 238	pN	05 59 05.1	0.0
SPN		eS	Pn	05 59 46.4	-2.9
ESO	Esso	3.91 282	eP	05 59 06.1	+0.6
ESO		eS	Pn	05 59 09.5	+0.4
ESO	Esso	3.91 282	pN	05 59 06.1	+0.6
ESO		eS	Pn	05 59 09.5	+0.4
NLC	Nalytchevo	4.17 242	eP	05 59 55.1	-1.4
NLC		eS	Pn	05 59 10.0	+0.6
NLC	Nalytchevo	4.17 242	pN	05 59 55.1	-1.4
NLC		eS	Pn	05 59 10.0	+0.6
OSSR	Ossora	4.20 343	eP	05 59 10.0	+0.6
OSSR		eS	Pn	05 59 55.1	-2.1
OSSR	Ossora	4.20 343	pN	05 59 10.0	+0.6
OSSR		eS	Pn	05 59 55.1	-2.1
SDLR	Sedlovina	4.36 245	eP	05 59 13.1	+1.4
SDLR		eS	Pn	06 00 00.5	-0.7
SDLR	Sedlovina	4.36 245	pN	05 59 13.1	+1.4
SDLR		eS	Pn	06 00 00.5	-0.7
SMAR	Somma	4.41 246	iP	05 59 13.9	+1.4
SMAR		eS	Pn	05 59 14.5	+1.9
SMAR	Somma	4.41 246	pN	05 59 13.9	+1.4
SMAR		eS	Pn	05 59 14.5	+1.9
KRER	Koryakskii	4.41 246	eP	05 59 14.5	+1.9
KRER		eS	Pn	06 00 02.7	0.0
KRER	Koryakskii	4.41 246	pN	05 59 14.5	+1.9
KRER		eS	Pn	06 00 02.7	0.0
UGLR	Uglovaya	4.42 245	eP	05 59 14.2	+1.6
UGLR		eS	Pn	06 00 02.4	-0.4
UGLR	Uglovaya	4.42 245	pN	05 59 14.2	+1.6
UGLR		eS	Pn	06 00 02.4	-0.4
AVH	Avacha	4.44 246	eP	05 59 14.5	+1.9
AVH		eS	Pn	06 00 03.4	+0.3
AVH	Avacha	4.44 246	pN	05 59 14.5	+1.9
AVH		eS	Pn	06 00 03.4	+0.3
KRX	Arik	4.44 247	eP	05 59 14.5	+1.6
KRX		eS	Pn	06 00 02.8	-0.5
KRX	Arik	4.44 247	pN	05 59 14.5	+1.6
KRX		eS	Pn	06 00 02.8	-0.5
KOK	Koryaka	4.48 247	eP	05 59 15.0	+1.7
KOK		eS	Pn	06 00 03.5	-0.7
KOK	Koryaka	4.48 247	pN	05 59 15.0	+1.7
KOK		eS	Pn	06 00 03.5	-0.7
PET	Petropavlovsk	4.61 244	eP	05 59 16.9	+0.8
PET		eS	Pn	06 00 05.6	-1.5
PET	Petropavlovsk	4.61 244	pN	05 59 16.9	+0.8
PET		eS	Pn	06 00 05.6	-1.5
PET	comp=E,168nm,0.8s		smax		smax
PET	comp=N,100nm,0.8s		smax		smax
PET	comp=E,100nm,0.8s		smax		smax
PET	comp=N,158nm,0.7s		smax		smax
GNL	Ganally	4.68 253	eP	05 59 17.9	+1.8
GNL		eS	Pn	05 59 21.9	+1.8
GNL	Ganally	4.68 253	pN	05 59 17.9	+1.8
GNL		eS	Pn	05 59 21.9	+1.8
KRMR	Karymshinskiy	4.98 244	eP	05 59 15.3	-0.9
KRMR		eS	Pn	06 00 15.3	-0.9
KRMR	Karymshinskiy	4.98 244	pN	05 59 15.3	-0.9
KRMR		eS	Pn	06 00 15.3	-0.9
RUS	Russkaya	5.01 238	eP	05 59 21.2	+0.7
RUS		eS	Pn	06 00 25.3	-2.6
RUS	Russkaya	5.01 238	pN	05 59 21.2	+0.7
RUS		eS	Pn	06 00 25.3	-2.6
PETK	Petropavlovsk- comp=N,3.4nm,0.3s,baz=75,slow=18,SNR=32		S	06 00 18.8	+0.4
MTVR	Mutnovka	5.14 240	eP	05 59 23.9	+1.4
MTVR		eS	Pn	06 00 18.3	-2.3
MTVR	Mutnovka	5.14 240	pN	05 59 23.9	+1.4
MTVR		eS	Pn	06 00 18.3	-2.3
TILK	Tilichiki	5.20 4	eP	05 59 24.6	+1.5
TILK		eS	Pn	06 00 20.5	-1.1
TILK	Tilichiki	5.20 4	pN	05 59 24.6	+1.5
TILK		eS	Pn	06 00 20.5	-1.1
ASAK	Asacha	5.34 240	eP	05 59 27.4	+2.2
ASAK		eS	Pn	06 00 25.3	-2.1
ASAK	Asacha	5.34 240	pN	05 59 27.4	+2.2
ASAK		eS	Pn	06 00 25.3	-2.1
KDTR	Khodutka, Kamc	5.62 235	eP	05 59 29.3	+0.5
KDTR		eS	Pn	06 00 27.6	-4.3
MA2	Magadan	9.03 305	LR	06 03 50.2	
SEY	Seymchan comp=N,40nm,19.4s,baz=119,slow=38		P	06 00 33.3	+1.9
DKAD	Kodiak Island comp=N,0.2nm,0.3s,baz=124,slow=18,SNR=2.7		P	06 03 06.2	-0.5
ILAR	Eileison Array comp=N,1.5nm,0.4s,baz=204,slow=2.9,SNR=8.2		P	06 03 25.1	0.0

ILAR		pP	06 03 39.5	-1.5
INK	Inuvik comp=N,0.7nm,0.7s,baz=253,slow=7.3,SNR=6.0	P	06 04 11.7	+0.4
H11N2	WAKE ISLAND Hy 35.50 178 T baz=359,slow=76,SNR=360	T	06 42 52.7	
H11N3	WAKE ISLAND Hy 35.51 178 T baz=359,slow=76,SNR=334	T	06 42 53.7	
H11N1	WAKE ISLAND Hy 35.51 178 T baz=359,slow=76,SNR=334	T	06 42 54.0	
TLY	Talaya comp=N,25nm,20.0s,baz=64,slow=36	LR	06 19 55.2	
YKA	Yellowknife Arr comp=N,0.2nm,0.3s,baz=294,slow=7.5,SNR=6.1	P	06 05 30.7	+0.2
YKA		pP	06 05 47.5	+0.5
SPITS	Spitsbergen Arr comp=N,1.5nm,0.4s,baz=31,slow=7.0,SNR=14	P	06 06 19.8	-0.1
KURK	Kurchatov comp=N,0.2nm,0.5s	pmax	06 06 50.1	+0.8
KURB	Kurchatov Arra comp=N,0.9nm,0.5s,baz=57,slow=7.6,SNR=12	P	06 06 50.1	0.0
MAKR	Makanchi Array comp=N,0.3nm,0.5s,baz=51,slow=5.8,SNR=3.8	P	06 06 54.7	-0.7
BVAR	Borovoye Array comp=N,0.5nm,0.4s,baz=46,slow=6.4,SNR=5.9	P	06 07 06.3	+0.1
ARCES	ARCES Array B comp=N,1.3nm,0.7s,baz=30,slow=9.8,SNR=7.0	P	06 07 09.9	-1.1
PDAR	Pinedale Array comp=N,0.3nm,0.4s,baz=289,slow=4.5,SNR=3.9	P	06 07 23.6	+0.5
FINES	FINES Array B comp=N,1.9nm,0.7s,baz=15,slow=7.9,SNR=9.3	P	06 08 01.6	-0.6
NB2	NORSAR Subarra comp=N,1.4nm,0.5s,baz=17,slow=7.4	P	06 08 21.6	-0.7
NOA	NORSAR Arr comp=N,1.6nm,0.5s,baz=17,slow=6.5,SNR=8.2	P	06 08 21.7	-0.6
OBN	Obninsk comp=N,2.0nm,19.4s,baz=56,slow=38	LR	06 38 04.8	
HFS	Hagfors comp=N,1.2nm,0.5s,baz=33,slow=5.6,SNR=8.4	P	06 08 24.7	-1.0
TXAR	Lajitas Arr comp=N,0.5nm,0.5s,baz=293,slow=5.1,SNR=8.4	P	06 08 53.7	+0.6
TXAR		pP	06 09 11.0	+0.2
WRA	Warranung Arr comp=N,0.4nm,0.4s,baz=300,slow=5.5,SNR=5.5	P	06 10 06.8	-0.1
ASAR	Alice Springs comp=N,0.5nm,0.6s,baz=25,slow=6.1,SNR=4.5	P	06 10 26.7	+0.4
ASAR		P	06 10 26.7	+0.4

**24d 06:09:46.8-6.1,49.72N-87.60E,h0km,mb3.8,mpv3.4, 10C-2D, Error ellipse: s-maj=52.9km s-min=27.4km az=57.0, Kazakhstan-Xinjiang border region**

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
MK31	Makanchi Array	4.60 232	Op Pn	06 10 58.9	+1.4
MK31		1.4nm,0.4s,baz=53,slow=14,SNR=52	P		
MK31		5.1nm,0.6s,baz=54,slow=16,SNR=14	Lg	06 11 14.4	+3.0
MAKZ		9.9nm,0.6s,baz=56,slow=29,SNR=9.5	Pn	06 11 02.0	+2.3
MAKZ		1.1nm,0.5s	Op Pn	06 11 13.3	+2.3
MAKZ		3.1nm,0.7s	Op Pn	06 12 16.6	
MAKZ		10nm,0.7s	Op Pn	06 11 13.4	-1.3
KURK	Kurchatov	5.85 283	Op Pn	06 12 22.1	-0.4
KURK		3.1nm,0.5s	Op Pn	06 12 52.3	
KURK		6.0nm,0.8s	Op Pn	06 11 14.2	-1.2
KURB	Kurchatov Arra	5.90 282	Op Pn	06 12 24.5	+0.8
KURB		0.8nm,0.5s	Op Pn	06 12 51.9	
KURB		12nm,0.6s	Op Pn		
KURB		30nm,0.8s	Op Pn		

**MEX 24 06:15:32.7-0.5,16.16N-98.21W,h1km,5km,MD3.6, Near coast of Guerrero**

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
PNIG	Pinotepa	0.25 19	iP Pn	06 15 37.0	-0.5
TLIG	Tlapa	1.44 346	eP Pn	06 15 41.2	+0.5
TLIG		1.68 57	eP Pn	06 15 59.8	-3.6
TLIG	Vista Hermosa	1.68 57	eP Pn	06 16 14.2	-4.8
CAIG	El Cayaco	2.16 294	iP Pn	06 16 21.5	-4.3
CAIG			iP Pn	06	







Table with columns: SMRF, Station Name, Azimuth, Elevation, Frequency, Polarization, and other parameters. Includes stations like Simiane la Rot, Oppenu, Rustral, HINFA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Polarization, and other parameters. Includes stations like GSI, MSLSI, TPTI, PPSI, etc.

Table with columns: IDI, Station Name, Azimuth, Elevation, Frequency, Polarization, and other parameters. Includes stations like Anoyia, Muntele Rosu, BUR08, etc.

BUI 24 06:36:52.8, 0.13N, 92.15E, h10km, mb4.7/17, mB5.0/7, M4.3/4, Ms7.4/1.5
IDC 24 06:36:54.4, 1.0, 0.46N, 92.23E, h0km, mb4.2/9, mb1.4/3.12, mb1mx3.8/7.0, mbmp4.2/12, ML4.2/3, MS3.4/15, Ms1.3/5.15, ms1mx3.1/6.6, Error ellipse: s-maj=34.3km s-min=18.0km az=42.0

ISC 24 06:36:59.9, 0.6, 0.54N, 107.9239E, 0.06, h35km, m74, c175/67, mb4.7/25, MS3.5/16, Off west coast of northern Sumatara

NIED 24 06:43:00.37, 0.0N, 140.90E, h8km, Mw3.5 Best double couple: M2 05000.0/10.4 N1 1.229 00000.0, r38 00000.0, lambda=97.00000.0, NP2 9.57 00000.0, r52 00000.0, lambda=85.00000.0
IDC 24 06:43:00.5, 1.3, 37.12N, 140.79E, h0km, mb3.7/5, mb1.3/9.5, mb1mx3.4/6.4, mbtmp3.7/5, ML3.4/1, Error ellipse: s-maj=29.9km s-min=23.0km az=135.0
JMA 24 06:43:01.9, 3.7, 37.00N, 140.80E, h12km, 1km, M3.8 JMA Feil II J1.

ISC 24 06:43:07.1, 1.0, 37.01N, 140.81E, 0.06, h12km, 6km, n22, c0867/26, mb3.9/6, 8C, Eastern Honshu

Table with columns: Call Sign, Station Name, Frequency, Mode, and other parameters. Includes stations like ILA, TWE, EGS, NNS, EHY, NTC, OWD, CHGB, TWT, YULB, VVWD, TDCB, TDCB, TWF1, NWLT, YHNB, YHNB, NSK, TIPB, TIPB, FULB, FULB, CHKT, CHKT, NWF, NWF, WFSB, WFSB, DPDB, DPDB, SMLT, SMLT, TATO, TATO, WLTB, Daxi, LIQB, LIQB, NIOS, NIOS, NSTT, YM07, YM07, ELDTW, ELDTW, YM10, YM10, YM11, YM11, YM04, YM04, YM04, YM08, YM08, TWS1, TWS1, YM12, YM12, YM03, YM03, YM03, ALS, ALS, WJS, WJS, WJS, IRIF, IRIF, NCUH, NCUH, NTST, NTST, TWH, TWH, WNT, WNT, NSY, NSY, TCU, TCU, NMLH, NMLH, TWGB, TWGB.

2012 MAY

Table with columns: Call Sign, Station Name, Frequency, Mode, and other parameters. Includes stations like TWGBT, TWG, TWG, STYT, STYT, WDLH, WDLH, TPUB, TPUB, JKRS, JKRS, WTP, WTP, RLNB, RLNB, RLNB, RLNB, SLGT, SLGT, SLGT, SLGT, CHN1, CHN1, CHN1, CHN1, SGST, SGST, JJ, JJ, ECL, ECL, ECL, ECL, WTCT, WTCT, SSD, SSD, SSD, SSD, JISG, JISG, JISG, JISG, MASBT, MASBT, MASBT, MASBT, LAY, LAY, LAY, LAY, EAST, EAST, EAST, EAST, SSPT, SSPT, SSPT, SSPT, SCZT, SCZT, SCZT, SCZT, TSEB, TSEB, TSEB, TSEB, TWKBT, TWKBT, TWKBT, TWKBT, TWK1, TWK1, TWK1, TWK1, WDGJ, WDGJ, WDGJ, WDGJ, PHUB, PHUB, PHUB, PHUB, PHUB, PHUB, PNG, PNG, PNG, PNG, VCHM, VCHM, VCHM, VCHM, VWUC, VWUC, VWUC, VWUC, VVUC, VVUC, VVUC, VVUC, MATB, MATB, MATB, MATB, KNMB, KNMB, KNMB, KNMB.

Table with columns: Call Sign, Station Name, Frequency, Mode, and other parameters. Includes stations like n13, n13, Code, Station Name, Frequency, Mode, and other parameters. Includes stations like GSPH, MATI, DAV, DAV, DAV, DMPH, DMPH, DMPH, BUKP, BUKP, BUKP, BIPH, BIPH, BIPH, BUTP, BUTP, BUTP, WRA, WRA, ASAR, ASAR, STKA, STKA, MKAR, MKAR, KURBB, KURBB, ILAR, ILAR.

SOME 24 07:33:15.5, 42°25'N-83°42'E, h5km

Table with columns: Call Sign, Station Name, Frequency, Mode, and other parameters. Includes stations like Code, Station Name, Frequency, Mode, and other parameters. Includes stations like KTMS, KTMS, SHLS, SHLS, SHLS, SHLS, PDGK, PDGK, PDGK, PDGK, PDGK, PDGK, UZB, UZB, UZB, DJR, DJR, DJR, MNBS, MNBS, MNBS, MNBS, MK31, MK31, MK31, MK31, MK31, MK31, MAKZ, MAKZ, MAKZ, ZSN, ZSN, ZSN, ZSN.

MEX 24 07:41:18.5-0.7, 16°46'N-98°22'W, h2km±10km, MD3.8

Table with columns: Call Sign, Station Name, Frequency, Mode, and other parameters. Includes stations like Code, Station Name, Frequency, Mode, and other parameters. Includes stations like PNIG, PNIG, TLIG, TLIG, VHO, VHO, CAIG, CAIG, CAIG, CAIG.

ISC 24 07:42:45.1±1.6, 36°78'N-141°55'E, h0km, mb3.1/3.2

Table with columns: Call Sign, Station Name, Frequency, Mode, and other parameters. Includes stations like Code, Station Name, Frequency, Mode, and other parameters. Includes stations like ONAJ, ONAJ, JFK, JFK, JFH, JFH, JHO, JHO, JFT, JFT, JMM, JMM, JYT, JYT, MJAR, MJAR, H112, H112, H111, H111, H113, H113, H11S1, H11S1, H11S3, H11S3, H11S2, H11S2, ILAR, ILAR, WRA, WRA.

ISCJB 24 07:53:18.8±1.1, 19°16'N-108°39'43"E, h10km, mb3.3/3, MS3.2/3

Table with columns: Call Sign, Station Name, Frequency, Mode, and other parameters. Includes stations like Code, Station Name, Frequency, Mode, and other parameters. Includes stations like FRAS, FRAS, FRAS, FRAS, NAMS, NAMS, NAMS, NAMS, NAMS, NAMS, FRSS, FRSS, FRSS, FRSS, BRTR, BRTR, GNI, GNI.











24d 9h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like BORG, W47A, N54A, etc.

2012 MAY

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like PMOR, SHL, PPT, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like LK2D, LK2D, LK2D, etc.

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

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

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

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

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

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

ISCJB 24 10:01:36.9±0.3, 59.69N±0.02, 145.50E±0.06, h100km, mb4.2/47, Error ellipse: s-maj=9.0km s-min=7.2km az=29.3

24d 10h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ZAAO Zalesovo Array, ZAAO 18nm,0.6s, KURK Kurchatov, etc.

IDC 24 10:23:30.0-0.8, 12.54N:143.43E, h0km, mb3.9/14, mb1 4.1/4, mb1mx3.8/65, mbtmp3.9/14, MS3.5/30, Ms1 3.5/30, ms1mx3.3/62, Error ellipse: s-maj=25.6km s-min=16.8km az=86.0

ISCJB 24 10:23:35.2-0.7, 12.49N:10.143.4E:0.2, h27km, mb3.8/14, MS3.5/30, Error ellipse: s-maj=24.3km s-min=14.0km az=177.8

ISC 24 10:23:37.2-0.9, 12.5N:0.1:143.4E:0.2, h27km, n41, n13/15, mb3.9/14, MS3.5/30, South of Mariana Islands

Main table of station data for the 24d 10h period, including stations like DAV Davao City (W), JOW Kunigami, JHU Hachijo jima 2, etc.

ISK 24 10:25:19.5, 41.36N:33.67E, h7km, ML2.8/10, ISCJB 24 10:25:20.6-0.6, 41.38N:0.03:33.72E:0.05, h6km, 6km, Error ellipse: s-maj=6.3km s-min=4.4km az=18.2

CSEM 24 10:25:20.4-0.1, 41.36N:33.71E, h8km, ML2.7, Error ellipse: s-maj=2.9km s-min=2.5km az=131.0

DDA 24 10:25:20.3, 41.38N:33.69E, h7km, ML2.7, Error ellipse: s-maj=2.9km s-min=2.5km az=131.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KAST KASTAMONU, ILGA Ilgaz, etc.

2012 MAY

Table with columns: BZK Bozkurt, BZK Bozkurt, BZK Bozkurt, etc. Includes station names and coordinates.

IDC 24 10:42:59.6-2.2, 18.83N:39.34E, h0km, mb3.7/5, mb1 3.7/5, mb1mx3.4/67, mbtmp3.7/5, MS2.8/1, Ms1 2.8/1, ms1mx2.6/55, Error ellipse: s-maj=64.8km s-min=26.7km az=157.0, Red Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BRTR Keskin Array B, GNI Garni, etc.

NNC 24 10:44:52.6-7.3, 38.31N:70.13E, h0km, mb3.3, mpv2.9, Error ellipse: s-maj=62.0km s-min=49.4km az=10.0

ISC 24 10:44:25.2-3.4, 35.9N:0.2:69.5E:0.4, h112km, n10, n12/12, 7C-2D, Hindu Kush region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SFK Suft-Kurgan, MNAS Manas, etc.

UCR 24 10:45:10.9-3.2, 11.33N:87.41W, h101km, 51km, MD4.4, ML3.6, mb4.4(NEIC)

IDC 24 10:45:12.1-1.3, 12.28N:86.45W, h0km, mb3.8/7, mb1 3.9/3, mb1mx3.6/54, mbtmp3.7/9, ML2.8, MS2.9/3, Ms1 3.0/3, ms1mx2.4/51, Error ellipse: s-maj=45.3km s-min=18.8km az=51.0

ISCJB 24 10:45:14.9-0.7, 11.48N:0.06:87.16W:0.06, h64km, 6km, mb4-2/19, Error ellipse: s-maj=13.2km s-min=4.3km az=136.4

NEIC 24 10:45:15.8-0.9, 12.00N:86.79W, h26km, 6km, mb4.4/14, Error ellipse: s-maj=15.9km s-min=6.8km az=223.0

ISC 24 10:45:16.4-1.2, 11.43N:0.06:87.14W:0.07, h66km, 11km, n61, n28/60, mb4-2/19, 1C-1D, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like COPN Copaltepe, XAVN Gruta Xavier, etc.

JTS JuntasAbangare 2.43 118 eP Pn 10 45 53.0 +1.2

JTS JuntasAbangare 2.43 118 eP Pn 10 45 53.0 +1.2

JTS JuntasAbangare 2.43 118 eP Pn 10 45 53.0 +1.2

JTS JuntasAbangare 2.43 118 eP Pn 10 45 53.0 +1.2

JTS JuntasAbangare 2.43 118 eP Pn 10 45 53.0 +1.2

JTS JuntasAbangare 2.43 118 eP Pn 10 45 53.0 +1.2

JTS JuntasAbangare 2.43 118 eP Pn 10 45 53.0 +1.2

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Table with columns: ATAH Athalupa, ABVI Anegada Island, TX31 Lajitas Ar. Sr., etc. Includes station names and coordinates.

IDC 24 10:46:29.9-1.6, 16.61S:178.46W, h0km, mb3.9/6, mb1 4.2/6, mb1mx3.8/52, mbtmp3.9/6, Error ellipse: s-maj=115.4km s-min=20.6km az=150.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, etc.

IDC 24 10:50:40.7-3.0, 11.08N:87.63W, h0km, mb3.7/5, mb1 4.1/5, mb1mx3.6/53, mbtmp3.8/5, ML3.1/1, Error ellipse: s-maj=79.8km s-min=27.3km az=28.0

ISCJB 24 10:50:47.5-1.0, 11.45N:0.07:87.30W:0.08, h37km, mb3.7/5, Error ellipse: s-maj=103.8km s-min=6.4km az=142.1

UCR 24 10:50:48.6-2.1, 11.53N:87.25W, h57km, 75km, MD4.2, ML3.2

ISC 24 10:50:47.7-1.0, 11.47N:0.08:87.32W:0.09, h37km, n21, n19/21, mb3.4/5, 1C, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like COPN Copaltepe, XAVN Gruta Xavier, etc.

IDC 24 10:54:52.8-3.5, 2.35S:140.96E, h0km, mb3.8/3, mb1 4.1/4, mb1mx3.6/46, mbtmp4.0/4, ML4.1/1, MS2.9/3, Ms1 2.9/3, ms1mx2.5/47, Error ellipse: s-maj=136.6km s-min=26.0km az=90.0

ISCJB 24 10:54:56.2-3.0, 2.35S:140.54E:0.06, h24km, mb3.9/3, ML2.8, MS2.9, Error ellipse: s-maj=13.2km s-min=8.6km az=2-0

DJA 24 10:54:57.0-1.8, 2.5S:114.1E:1, h10km, 4km, M4.3/4, mb4.5/1, ML4.2/4

ISC 24 10:54:57.7-1.2, 2.45S:0.2:140.55E:0.06, h24km, n13, n05/9, mb3.9/3, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like JAY Jayapura, GEM Genyem, etc.



24d 12h

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like KORT, BLCB, THRR, etc.

2012 MAY

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like PRNI, KRMI, KRFI, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like H10N2, H10N1, H10S3, etc.







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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H11N1 WAKE ISLAND Hy 27.93 128 T, H11N3 WAKE ISLAND Hy 27.94 128 T, H11S1 WAKE ISLAND Hy 28.74 130 T, H11S3 WAKE ISLAND Hy 28.74 130 T, H11S2 WAKE ISLAND Hy 28.75 130 T, MKAR Makanchi Array 44.50 301 P, KURBB Kurchatov Arr 46.08 307 P, ILAR Eielson Array 46.56 34 P, WRA Warramunga Arr 59.62 150 P, YKA Yellowknife Arr 60.89 31 P.

ISCJB 24 12:51:45.3:1.0,39:42N:0:05:143:66E:0:09,h11km, mb3.4/4, Error ellipse: s-maj=11.4km s-min=4.2km az=34.7

JMA 24 12:51:47.6:0.2,39:37N:143:67E,h37km,M3.4, IDC 24 12:51:54.7:2.1,39:36N:142:05E,h0km,mb3.3/4, mb1.3/4,mb1mx3.3/67,mbtmp3.3/6,ML3.0/2, Error ellipse: s-maj=44.5km s-min=26.1km az=133.0, ISC 24 12:51:46.2:1.5,39:40N:0:07:143:64E:0:10,h11km,n18, c0594/26,mb3.5/4,Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MIYJ Miyakonagasawa 1.42 278 P, JTH Tanohata 1.47 292 P, OFJU Ofunato 1.56 259 P, JOM Ohasama 1.82 273 P, JANG Nango 1.90 301 P, JMK Ichinoseki 1.93 257 P, JIO Ouri 2.02 243 P, JYK Kaneyama 2.06 260 P, JNBK Urakawa-nobuka 2.95 347 P, JFT Otama 3.20 235 P, JCH Churui 3.22 356 P, JAK Akkeshi 3.68 12 P, ASAJ Asahikawa 4.78 351 P, ASAJ 0.4nm,0.3s,baz=182,slow=13,SNR=6.6 Sn, MJAR Matsushiro Arr 5.15 238 P, MKAR Makanchi Array 44.39 300 P, KURBB Kurchatov Arr 45.97 307 P, BVAR Borovoye Array 50.30 311 P, YKA Yellowknife Arr 60.88 31 P.

IDC 24 12:55:06.8:0.8,3:46S:146:07E,h0km,mb4.2/17, mb1.4/3/18,mb1mx4.1/47,mbtmp4.2/18,ML4.2,MS3.8/20, Ms1.3/8/20,ms1mx3.7/35, Error ellipse: s-maj=28.3km s-min=13.6km az=98.0

ISCJB 24 12:55:08.9:0.3,3:50S:0:03:146:04E:0:07,h25km, mb4.4/35,MS3.9/21, Error ellipse: s-maj=10.6km s-min=4.8km az=1.3

NEIC 24 12:55:12.4:0.3,3:45S:145:95E,h35km,mb4.6/18, Error ellipse: s-maj=10.6km s-min=4.9km az=98.0

GCMT 24 12:55:12.4:0.2,3:34S:146:25E,h14km,1km,MW4.8/91, Moment Tensor Solution, s24,c25; s91,c129; Duration: 0 Moment tensor: Scale 10^19Nm; Mir-0.11:08; Mw0.13:06; Mw-0.01:07; M1-0.06:14; Mw0.23:107; M1-0.08:14; Best double couple: M2.3130:1016; N1:181,00000; s88,00000; lambda-178,00000; NP2: q:91,00000; s88,00000; lambda-2,00000; Principal axes: T 2.3680,Plg0.0000; Azm316.0000; N-0.1090, Plg87.0000; Azm222.0000; P-2.2590,Plg3.0000; Azm46.0000; nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface waves, cutoff=50s.

BUI 24 12:55:20.3:2:98S:144:77E,h35km,mb4.7/30,mb4.9/20, Ms4.4/13,Ms7.4/2/13

ISC 24 12:55:10.9:0.5,3:46S:0:05:146:1E:0:1,h25km,n83, c1537/73,mb4.5/34,MS3.9/23,Bismarck Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MANU Manus Island 1.88 41 ePn, PMG Port Moresby 6.00 170 Pn, PMG 4.3nm,0.3s,baz=28,slow=6,SNR=13 Sn, PMG 4.3nm,0.3s,baz=28,slow=6,SNR=13 Sn, COEN Coen 10.83 195 ePn, HNR Honiara 14.96 114 ePn, CTA Charters Tower 16.53 180 Pn, CTAO Charters Tower 16.53 180 ePn, GUMO Guam 16.98 356 LR, MTN Manton Dam 17.51 237 ePn, WRAB Tennant Creek 20.00 214 eP, WB2 Warramunga Arr 20.01 214 eP, WR1 Warramunga Arr 20.01 214 eP, WRA Warramunga Arr 20.01 214 P, WRA comp=Z,372nm,19.5s,baz=65,slow=40 LR, EIDS Eidsvold 22.30 168 eP, SOEI Soe 22.58 253 eP, DAV Davao City (W) 23.02 297 LR, BATI Baumata 23.27 252 P, AS01 Alice Springs 23.28 209 eP, AS01 Alice Springs 23.20 209 eP, ASAR Alice Springs 23.30 209 P, ASAR 20nm,1.0s,baz=39,slow=8.7,SNR=6 PcP, DZM Mont Dzumac 27.04 135 eLR, STKA Stephens Creek 28.59 188 eP, STKA comp=Z,480nm,18.3s,baz=9.2,slow=38 LR, JOW Kunigami 34.71 331 LR, JHU Hachijo jima 2 36.87 31 LR, JNU Nakatsue 39.14 340 P, JNU comp=Z,111nm,21.6s,baz=134,slow=32 LR, MJAR Matsushiro Arr 40.48 350 P, MJAR comp=Z,59nm,20.4s,baz=175,slow=33 LR, MAJO Matsushiro 40.48 350 eP.

2012 MAY

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NJ2 Nanjing 43.80 326 eP, KSRS Korea Array 44.08 339 P, KSRS 1.1nm,0.6s,baz=148,slow=7.4,SNR=10 LR, KSAR Wonju Array Be 44.09 339 P, KS01 Wonju Array Si 44.12 339 eP, ASAJ Asahikawa 47.47 357 P, ASAJ Asahikawa 47.47 357 eP, USRK Ussuriysk Arr 49.11 347 P, USRK 3.8nm,0.8s,baz=160,slow=8.4,SNR=4.4 LR, KMI Kunming 50.78 305 pP, KMI comp=Z,50nm,19.8s,baz=145,slow=32 pP, KMI comp=N,140nm,18.6s LR, KMI comp=E,160nm,14.9s LR, CM01 Chiang Mai Arr 51.28 297 eP, CM31 Chiang Mai Arr 51.31 297 eP, CM31 Chiang Mai Arr 51.31 297 eP, CD2 Chengdu 52.90 313 pP, HHC Hu-ho-hao-te 54.23 328 eP, HHC 3.8nm,0.8s,baz=160,slow=8.4,SNR=4.4 LR, HHC comp=Z,51nm,5.8s LR, HHC comp=N,77nm,17.3s LR, HHC comp=E,85nm,15.6s LR, RAR Rarotonga 55.41 113 LR, LZH Lanzhou 55.73 319 pP, LZH comp=Z,16nm,1.2s LR, LZH comp=Z,220nm,5.4s LR, LZH comp=N,200nm,15.2s LR, LZH comp=E,290nm,17.3s LR, PETK Petropavlovsk- 57.20 8 P, PETK 1.9nm,0.7s,baz=190,slow=7.2,SNR=3.8 LR, PEAI Petropavlovsk- 57.20 8 P, GTA Gaotai 60.25 320 pP, GTA 4.0nm,0.9s LR, GTA comp=Z,120nm,6.3s LR, GTA comp=N,60nm,20.0s LR, GTA comp=E,98nm,19.0s LR, SONA Songno Array 61.78 331 eP, SONM Sorongo Array 61.78 331 P, SONM 1.5nm,0.8s,baz=149,slow=4.8,SNR=5.5 LR, SONM comp=Z,210nm,19.8s,baz=111,slow=35 LR, SONA Songno Array 61.78 331 eP, GSTR Great Sitkin T 63.94 25 P, TBI Tubuai 65.18 114 eLR, SEY Seymchan 66.38 31 P, WMQ Urumqi 70.31 319 P, WMQ comp=N,100nm,19.5s LR, WMQ comp=E,97nm,28.7s LR, VVND Vanda 74.48 176 LR, MK01 Makanchi Array 74.98 320 eP, MK31 Makanchi Array 75.00 320 eP, MK32 Makanchi Array 75.00 320 eP, MKAR Makanchi Array 75.00 320 eP, MAKZ Makanchi 75.20 320 eP, ZAAO Zalevovo Array 76.41 328 eP, ZALV Zalevovo Beam 76.41 328 P, ZALV 2.8nm,0.9s,baz=104,slow=6.3,SNR=6.0 P, ZAA1 Zalevovo Array 76.41 328 eP, KSH Kashi 77.05 312 P, KSH 1.1nm,0.6s,baz=142,slow=7.9,SNR=6.1 pP, KDAK Kodiak Island 78.10 29 LR, RKT Rikitea 78.45 113 eLR, KURK Kurchatov 78.67 323 eP, IM3 Indian Mountai 81.44 21 eP, RND Reindeer 82.17 24 eP, SCM Shek Creek Mo 82.20 26 eP, CCB Clear Creek Bu 83.10 23 eP, ILI Eielson Array 83.51 23 eP, ILAR Eielson Array 83.51 23 P, ILAR 0.5nm,0.8s,baz=250,slow=5.3,SNR=7.9 LR, BVAR Borovoye Array 84.22 324 P, MAW Mawson 84.24 202 LR, BRVK Borovoye 84.29 324 eP, DAWY Dawson 86.36 25 eP, YBH Yreka Blue Hor 93.15 49 LR, NVAR Mirena Array Be 96.50 52 LR, YKA Yellowknife Arr 97.34 28 P, TORO Torodi Arr 143.56 287 PKP, TORO 0.9nm,0.7s,baz=71,slow=3.1,SNR=5.5 PKP, TOAT Torodi Arr. Sit 143.56 287 ePKPdf, ISCJB 24 12:58:31.0:1.24:83N:122:62E,h138km,1km,ML2.8,D ISCJB 24 12:58:32.0:0.6,24:79N:0:04:122:61E:0:02,

24d 13h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JYNG Yonagunijimaku 0.48 140 P, EOS1 Eos1 0.51 238 iP, YOJ Yonaguni jima 0.51 134 P, YOJ Yonaguni jima 0.51 134 P, EGS 0.61 273 eP, NTC Toucheng 0.61 273 eP, TWC Suao 0.72 253 P, TWC 0.72 253 eS, TIPB Shuangxi 0.72 282 P, ILA ilan 0.78 266 eP, NWF Wu-fen Shan 0.79 289 iP, NWF 0.79 289 eS, WFSB Wu-fen Shan 0.79 289 eP, TWE Neicheng 0.86 264 iP, TWE 0.86 264 eS, NANB Nanao 0.87 244 eP, NANB 0.87 244 eS, ENA Nanao 0.88 244 iP, ENA 0.88 244 eS, ENT2 Nioudou 0.96 260 iP, ENT2 0.96 260 eS, YM07 YM07 0.96 292 eP, YM08 YM08 0.99 292 eP, YM11 YM11 1.00 291 eP, YM11 1.00 291 eS, NWL1 Wulai 1.00 268 P, NWL1 1.00 268 S, TWY Chenhua 1.02 297 eP, TWY 1.02 297 eS, TAP Taipei 1.02 283 eP, YM04 YM04 1.02 289 eS, NACB Ninganchiao 1.12 235 eP, NACB 1.12 235 eS, YHNB Yeheng 1.13 263 iP, YHNB 1.13 263 eS, IRIF Iriomote-Funau 1.13 115 S, NSK Sangau 1.14 263 P, TW2 Chiawan 1.18 232 eP, NNSB Datong 1.18 251 eP, NNSB 1.18 251 eS, NNSH Datong 1.18 251 iP, NNSH 1.18 251 eS, NNS Nan Shan 1.18 252 P, NNS 1.18 252 S, HNS Hwalian 1.24 228 eP, HNS 1.24 228 eS, HATJ Hateruma jima 1.33 124 P, HATJ 1.33 124 eS, JKRS Kuro-shima 1.40 114 P, JKRS 1.40 114 S, TWT Tachien 1.42 247 eP, TWT 1.42 247 eS, TDCB Techu 1.43 247 eP, TDCB 1.43 247 eS, LIOB Emei 1.46 264 eP, LIOB 1.46 264 eS, NSST Nanjiang 1.47 263 eP, JIJ Ishigaki jima 1.47 108 P, CHJB Renai 1.51 240 eP, CHGB 1.51 240 S, OWD 1.56 237 eP, OWD 1.56 237 eS, JISG Ishigakijimahi 1.57 98 P, HGSD Ruisui 1.70 219 eP, HGSD 1.70 219 eS, VVWD VVWD 1.70 232 eP, VVWD 1.70 232 eS, SMLT Sun Moon Lake 1.81 239 eP, SSSL Suunglung 1.82 236 eP, SSSL 1.82 236 S, YULB Yuli 1.85 220 eP, JTJ Tarama 1.92 95 P, FULB Fuli 2.01 217 eP, FULB 2.01 217 eS, TTN 2.45 213 P, TTN 2.45 213 eS, ISCJB 24 13:02:53.7:0.4,1:65N:0:04:126:59E:0:06,h47km, mb4.0/14,MS3.7/5, Error ellipse: s-maj=9.3km s-min=4.8km az=165.6, DJA 24 13:02:53.8:1.2:2:N:3:12:7E:,h26km,11km,M4.3/7, m2.0/1,mb4.4/4,ML4.2/7,MW(4.2/7)/3/1, IDC 13:02:54.3:3.3,1:53N:126:36E,h38km,28km,mb3.7/13, mb1.3/8/13,mb1mx3.7/51,mbtmp3.9/13,MS3.6/6, Ms1.3/5.6,ms1mx3.0/53, Error ellipse: s-maj=36.1km s-min=12.5km az=76.0, ISC 24 13:02:55.3:0.6,1:64N:0:06:126:60E:0:09,h47km,n30,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SGSI Sangihe, LBMI Labuha, KMSI Cebu, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like H11S3 WAKE ISLAND Hy 60.19 269, SKR Severo-Kuril's, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like H11N3 WAKE ISLAND Hy 38.28 220, H11N1 WAKE ISLAND Hy 38.29 220, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MATI Mati, DAV Davao City (W), DMPH Davao City-Mi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CHOU Chosi, JCN Nagara, JYNT Yasato, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MLSI Meulaboh, LHMI Lhok Sumawe, LHMI Lhok Sumawe, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MATI Mati, DMPH Davao City-Mi, KCP Kidapawan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like H11N1 WAKE ISLAND Hy 27.95 118, H11N3 WAKE ISLAND Hy 27.96 118, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BKSJ Bulukumba, FITZ Fitzur Crossi, FITZ Fitzur Crossi, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like NIKH Nikolski High, NIKH Nikh, OKTU Okmok Mt. Tuli, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like H11N1 WAKE ISLAND Hy 59.30 270, H11S1 WAKE ISLAND Hy 60.17 269, etc.



Table with columns: Station Name, Azimuth, Elevation, Range, Azimuth Error, Elevation Error, Range Error, and other parameters. Includes stations like CSS Mathiatis, LADK LadiK-KONYA, SMG Samos, etc.

Table with columns: Station Name, Azimuth, Elevation, Range, Azimuth Error, Elevation Error, Range Error, and other parameters. Includes stations like KRMI Paran Flat, KRMI Paran Flat, KRMI Mount Harif, etc.

Table with columns: Station Name, Azimuth, Elevation, Range, Azimuth Error, Elevation Error, Range Error, and other parameters. Includes stations like ellipse: s-maj=11.8km, ISJC JB 24:14:22:11.0,0.5,16, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like Keskin Array B, Alibeck, Aktyubinsk, Geres, etc.

DJA 24 14:31:29.8±0.4, 6°S, 6°10'E, h120km, 5km, M3.9/12, Mlv3.9/12, Sundra Strait

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like Cbinong, Serang, Kota Agung, etc.

JMA 24 14:32:09.8±0.4, 44°02'N, 148°26'E, h0km, M3.7, SKHL 24 14:32:10.2±0.4, 44°51'N, 148°59'E, h57km, 1km, mb4.4/3, ISC 24 14:32:09.0±2.4, 44°42'N, 0°09'148.3E, 0.1, h10km, n15, s1562/25, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like Kuril'sk, Yuzh-Kuril'sk, Lagunnoye, etc.

ROM 24 14:34:38.4±0.0, 44°86'N, 0°00'11'245E, 0°001, h8km, ML3, 3/42

ISCJB 24 14:34:38.6±0.2, 44°89'N, 0°01'11'32E, 0°02, h11km, 1km, Error ellipse: s-maj=2.7km s-min=2.0km az=31.7

IASPEI 24 14:34:38.8±0.8, 44°88'N, 0°02'11'28E, 0°02, h11km, 4km, Error ellipse: s-maj=2.8km s-min=2.3km az=90.0, 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 stations, <b>Seism. Res. Let.</b>, <b>80</b>, 465-472, 2009

LDG 24 14:34:39.8±0.6, 44°79'N, 11°41'E, h2km, M13, 3/4, Error ellipse: s-maj=12.1km s-min=7.4km az=91.0

CSEM 24 14:34:39.0±0.1, 44°89'N, 11°30'E, h5km, ML3.5/11, Error ellipse: s-maj=3.3km s-min=2.3km az=115.0

PRU 24 14:34:41.7, 44°98'N, 11°34'E, h12km, ISC 24 14:34:38.7±0.7, 44°89'N, 0°01'11'30E, 0.01, h12km, 3km, n194, s124/248, 10C-27D, Northern Italy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like Bondeno (FE), Massa Finalese, Casumar (Bond), etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like Dosso, Cento, Loc. Casaglia, etc.

RAVA Ravarino 0.18 225|eP Pg 14 34 42.7 -0.1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like RAVA, Chiesuol del F, etc.

T0818 Loc. Fossa, Co 0.20 284|eP Pg 14 34 42.9 +0.2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like T0818, T0820, etc.

T0818 Loc. Cortile, 0.25 249|eP Pg 14 34 43.4 -0.6

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like T0814, T0816, T0818, etc.

T0818 Loc. Cortile, 0.25 249|eP Pg 14 34 43.4 -0.6

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like T0814, T0816, T0818, etc.

T0818 Loc. Cortile, 0.25 249|eP Pg 14 34 43.4 -0.6

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like T0814, T0816, T0818, etc.

T0818 Loc. Cortile, 0.25 249|eP Pg 14 34 43.4 -0.6

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like T0814, T0816, T0818, etc.

T0818 Loc. Cortile, 0.25 249|eP Pg 14 34 43.4 -0.6

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like T0814, T0816, T0818, etc.

T0818 Loc. Cortile, 0.25 249|eP Pg 14 34 43.4 -0.6

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like T0814, T0816, T0818, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like MTRZ, Adria, Italy, etc.

ZCCA Zocca 0.58 204|eP Pb 14 34 50.8 -0.1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like ZCCA, ZOV, etc.

ZCCA Zocca 0.58 204|eP Pb 14 34 50.8 -0.1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like ZCCA, ZOV, etc.

ZCCA Zocca 0.58 204|eP Pb 14 34 50.8 -0.1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like ZCCA, ZOV, etc.

ZCCA Zocca 0.58 204|eP Pb 14 34 50.8 -0.1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like ZCCA, ZOV, etc.

ZCCA Zocca 0.58 204|eP Pb 14 34 50.8 -0.1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like ZCCA, ZOV, etc.

ZCCA Zocca 0.58 204|eP Pb 14 34 50.8 -0.1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like ZCCA, ZOV, etc.

ZCCA Zocca 0.58 204|eP Pb 14 34 50.8 -0.1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like ZCCA, ZOV, etc.

ZCCA Zocca 0.58 204|eP Pb 14 34 50.8 -0.1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like ZCCA, ZOV, etc.

ZCCA Zocca 0.58 204|eP Pb 14 34 50.8 -0.1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like ZCCA, ZOV, etc.





Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CONA Conrad Observa, KHC Kasperske Hory, STON Ston, etc.

KRSC 24 14:35:32.9-1.1, 54.28N, 162.09E, h30km, 11km, ML3.8, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MKZ Mys Kozlova, KZV Kizimen, TUMD Tumrok D, etc.

CSEM 24 14:41:35.9-0.1, 39.09N, 29.15E, h8km, ML2.0, Error ellipse: s-maj=3.4km s-min=2.8km az=139.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SHAP Saphane-Kutahy, SMAA Simav-Kutahya, SIMA Simav-Kutahya, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DURS Dursunbey, MANT Manisa, BORA Eskisehir, etc.

NIED 24 14:54:00.43, 10N, 145.80E, h4.4km, Mw3.5, Best double couple: M2 16000-1014, NP1 2006000, 833.00000, 1.69.00000, NP2 2006000, 859.00000, 1.103.00000

JMA 24 14:54:23.3-0.1, 43.08N, 145.84E, h50km, 18km, M3.5 JMA Felt J1, ISCJB 24 14:54:23.3-0.1, 43.11N, 0.07, 145.82E, 0.08, h55km, 7km, mb3.4/3, MS3.0/1, Error ellipse: s-maj=14.8km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NEM2 Nemuro 2, GLVR Golovnino, JAK Akkeshi, etc.

MEX 24 15:26:54.6-0.5, 18.64N, 102.53W, h82km, 10km, MD3.9, Michoacan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MMIC Aquila, EZSV Zihuatanejo, MOIG Morelia, etc.

ISC 24 15:33:44.7-0.7, 27.48S, 71.10W, h0km, mb4.3/11, mb1.4/4/15, mb1mx4.2/39, mbtmp4.2/15, ML4.1/4, MS3.8/23, Ms1.3.8/23, ms1mx3.6/41, Error ellipse: s-maj=23.9km

ISCJB 24 15:33:48.7-0.6, 27.41S, 0.02, 71.07W, 0.05, h33km, 5km, mb4.6/63, MS3.8/18, Error ellipse: s-maj=7.7km s-min=3.8km az=3.3

NEIC 24 15:33:48.7-1.5, 27.52S, 71.03W, h23km, 11km, mb4.7/55, ML5.0(GUC), Error ellipse: s-maj=7.5km s-min=4.4km az=91.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JRA Rausu, JOB Onbets, JAR Ashoroboto, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GUC 24 14:59:42.2-0.7, 23.84S, 67.13W, h230km, 18km, ML4.1, 8C, Chile-Argentina border region

CSEM 24 15:18:25.5-0.2, 37.29N, 42.80E, h2km, ML2.7, Error ellipse: s-maj=10.2km s-min=2.5km az=54.0

ISC 24 15:18:25.5-0.2, 37.29N, 42.66E, h5km, ML2.7/5, ISN 24 15:18:25.5-0.2, 37.29N, 42.66E, h0km, 9km, ML2.7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SIRT Sirkak, SIRM Sirkak, SIRR Sirkak, etc.

MEX 24 15:33:44.7-0.7, 27.48S, 71.10W, h0km, mb4.3/11, mb1.4/4/15, mb1mx4.2/39, mbtmp4.2/15, ML4.1/4, MS3.8/23, Ms1.3.8/23, ms1mx3.6/41, Error ellipse: s-maj=23.9km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CPCH Copiapo, GO03 Copiap, GO03 Copiap, etc.

ISC 24 15:33:45.1-1.2, 27.44S, 0.03, 71.09W, 0.04, h3km, 7km, n221.1e151/219, mb4.7/63, MS3.9/18, 7C-2D, Near coast of northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LCO Las Campanas, TLL Tololo Array, GO04 Tololo Observa, etc.

24d 16h

Table with columns for station name, frequency, power, and other technical details. Includes stations like IPOC Station P, Cerro Valdivia, Horco Molle, Salagasta, etc.

2012 MAY

Table with columns for station name, frequency, power, and other technical details. Includes stations like Lake Whitney, Lajas Array, Lajitas Array, etc.

1552

Table with columns for station name, frequency, power, and other technical details. Includes stations like Yellowknife Ar, Kesra, BORO, ASAR, etc.

DDA 24 15:45:03.9, 37.81N-26.77E, h7km, ML2.5
ISK 24 15:45:03.7, 37.80N-26.80E, h14km, ML2.4/6
ISCJB 24 15:45:04.0, 37.80N-26.80E, h8km, ML2.4/6

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Zmir, G?zelcaml?, Bodrum, etc.

IDC 24 16:06:19.6, 1.5, 10.995x162.76E, h0km, mb3.75,
mb1.4/0.8, mb1mx3.754, mbtrmp3.9/8, ML3.72, MS3.2/6,
Ms1.3/2.6, ms1mx2.8/45, Error ellipse: s-maj=31.0km

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

GUC 24 16:37:52.0±0.6, 19:54S:69:99W, h65km, 2km, ML3.7, 3C-5D, Northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PSCG Pisagua, PB11 IPOC Station P, etc.

NIED 24 16:44:00, 38:60N:144:70E, h8km, Mw4.1 Best double couple. M1: 7.0000, 1.015 N1: 0.0000, 0.823 0.0000, 1.86 0.0000. NP2: 0.93 0.0000, 0.667 0.0000, 1.92 0.0000.

IDC 24 16:44:15.8±0.7, 38:50N:144:88E, h0km, mb3.7/15, M1 3.9/21, mb1mx3.8/70, mbmp3.8/21, ML3.37, MS2.8/9, Mb1 2.8/9, ms1mx2.6/65, Error ellipse: s-maj=17.1km s-min=14.2km az=136.0

JMA 24 16:44:18.7±0.2, 38:61N:144:71E, h47km, M3.7 ISCJB 24 16:44:19.0±0.5, 38:69N:104:144:66E:0.04, h35km, mb3.7/15, MS2.8/9, Error ellipse: s-maj=5.9km s-min=4.4km az=147.0

ISC 24 16:44:21.5±0.7, 38:69N:106:144:76E:0.06, h35km, n38, 170/49, mb3.6/15, Off east coast of Honshu

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

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

IDC 24 16:49:03.6±0.7, 57:84S:25:40W, h0km, mb4.2/7, mb1 4.3/8, mb1mx3.9/52, mbmp4.1/8, ML4.1/1, MS3.3/2, Ms1 3.2/2, ms1mx2.9/52, Error ellipse: s-maj=30.6km s-min=19.5km az=68.0

ISCJB 24 16:49:08.0±0.4, 57:91S:0:07:25:6W:0.2, h49km, mb4.7/17, MS3.2/2, Error ellipse: s-maj=13.6km s-min=8.2km az=156.0

NEIC 24 16:49:13.2±1.4, 57:91S:25:55W, h69km, 12km, mb4.7/16, Error ellipse: s-maj=12.0km s-min=7.5km az=60.0

ISC 24 16:49:10.8±0.5, 57:89S:0:09:25:6W:0.1, h49km, n70, 0:93/63, mb4.4/17, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HOPE Hope Point, VNA1 Neumayer-Stat, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MCK McKinley, TRF Thorofore Mount, etc.

MAN 24 17:02:23.8, 10:97N:124:77E, h4km, mb4.6, ML3.5, MS3.4

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

KRSC 24 17:07:09.5±1.8, 48:87N:156:40E, h6km, 31km, ML3.8, East of Kuril Islands

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

IDC 24 17:07:10.6±0.7, 28:71N:66:66E, h0km, mb3.9/25, mb1 4.0/28, mb1mx3.9/74, mbmp3.9/28, ML3.7/3, MS3.3/15, Ms1 3.3/15, ms1mx3.0/69, Error ellipse: s-maj=16.9km s-min=12.6km az=18.0

ISCJB 24 17:07:12.3±0.4, 28:77N:0:06:66:73E:0.04, h20km, mb3.9/38, MS3.3/16, Error ellipse: s-maj=8.0km s-min=4.5km az=7.0

NEIC 24 17:07:12.1±0.5, 28:72N:66:67E, h10km, mb4.2/4, Error ellipse: s-maj=10.5km s-min=7.2km az=157.0

MOS 24 17:07:13.6±1.4, 28:77N:66:88E, h24km, mb4.2/28, Error ellipse: s-maj=10.5km s-min=7.0km az=98.5

ISC 24 17:07:13.7±0.5, 28:71N:0:07:66:70E:0.05, h20km, n86, 178/86, mb4.0/38, MS3.3/16, 9C-2D, Pakistan

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

24d 17h

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Naichik, Kurchatov, Neytrino, Khabaz, Borovoye Arr, etc.

ISC 24 17:07:19.2-0.9, 56:61S:24.78W, h0km, mb3.9/6, mb1 4.17, mb1mx3.8/37, mbtmp3.9/7, ML3.8/1, MS3.4/9, Ms1 3.4/9, ms1mx3.2/26, Error ellipse: s-maj=41.7km s-min=19.9km az=67.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like VNA1, VNA3, SNA3, SNA4, etc.

2012 MAY

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Boshof, VNSA, SIVA, LPAZ, etc.

ISC 24 17:12:19.5-3.4, 1.57N-100.24W, h0km, mb3.9/5, mb1 4.2/5, mb1mx3.8/41, mbtmp3.9/5, MS3.2/9, Ms1 3.2/9, ms1mx2.9/38, Error ellipse: s-maj=132.0km s-min=65.7km az=93.0, Galapagos Triple Junction region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like JTS, ATAH, LPIG, ROSC, etc.

NIED 24 17:40:00.39:4.0N, 144.00E, h14km, Mw4.2 Best double couple: M1.96000:1015 NP1.9:194.00000: r38.00000, l92.00000, NP2.9:11.00000: r52.00000, l88.00000

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like MIYJ, JFH, OFUJ, JOH, etc.

1554

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like JHU, JHH, YSS, YSS, etc.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NVAR, YKA, PRGR, KLMR, GRES, EKA, LPAZ, TORD, SAML, SJG, KOWA, and KBIC.

MOS 24 18:27:47.3z, 2.6, 49.22N, 158.06E, h42km, mb4.3/1, Error ellipse: s-maj=37.7km s-min=6.0km az=89.1

KRSC 24 18:27:47.4z, 2.4, 49.22N, 158.06E, h42km, 58km, ML4.1

ISC 24 18:27:47.8z, 4.0, 49.0N, 02.15780E, 0.08, h35km, n33, 013543, East of Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SKR, PAU, KDR, KTR, MIPR, ASAK, RUS, MTRV, MTRV, KRM, KRM, PET, PET, UGLR, UGLR, AVH, SMAR, SDLR, SDLR, SPN, SPN, GNL, GNL, MKZ, MKZ, KZV, KZV.

ISK 24 18:31:14.9, 38.35N, 141.97E, h7km, ML2.4/8
ISCJB 24 18:31:15.6, 0.6, 38.35N, 02.4193E, 0.03, h5km, 5km, Error ellipse: s-maj=4.2km s-min=4.0km az=38.3

CSEM 24 18:31:15.3, 0.2, 38.37N, 141.92E, h2km, ML2.4, Error ellipse: s-maj=4.1km s-min=3.5km az=177.0

DDA 24 18:31:15.6, 1.0, 38.35N, 141.94E, h9km, ML2.7

ISC 24 18:31:15.6, 1.0, 38.35N, 02.4193E, 0.02, h7km, 9km, n32, 057152, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GURO, GURO, SRTM, SRTM, SVAN, SVAN, ADCV, ADCV, BINGOL, BINGOL, GEVA, GEVA, SIRR, SIRR, SIRT, SIRT, BNGB, BNGB, HANI, HANI, BINT, BINT, MARD, MARD, MAZI, MAZI, AGRB, AGRB, YEDI, YEDI, HAKT, HAKT, HAKT, HAKT, PTK, PTK, SVRC, SVRC.

ISC 24 18:32:29.9, 6.9, 21.53S, 170.35E, h166km, 39km, mb2.9/2, mb1.3/1, mb1mx2.9/43, mbtm3.3/3, Error ellipse:

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM, DZM, ASAR, WRA, GERES.

TEH 24 18:47:58.4, 36.11N, 53.78E, h8km, ML3.4
IDC 24 18:47:58.9, 1.5, 35.18N, 53.83E, h0km, mb3.3/4, mb1.3/6, mb1mx3.3/61, mbtm3.5/7, ML2.5, Error ellipse: s-maj=21.3km s-min=15.1km az=26.0

ISCJB 24 18:48:00.5, 0.3, 36.23N, 02.035368E, 0.03, h10km, mb3.1/4, Error ellipse: s-maj=4.2km s-min=3.4km az=166.4

CSEM 24 18:48:02.6, 0.3, 36.18N, 53.81E, h20km, ML3.4, Error ellipse: s-maj=8.8km s-min=6.9km az=43.0

ISC 24 18:47:59.1, 0.7, 36.11N, 02.045378E, 0.03, h10km, n41, 6241/50, mb3.0/4, 8C-6D, Northern and central Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IGLO, IGLO, IANJ, IANJ, IALA, IALA, IFIR, IFIR, ILAS, ILAS, IPRN, IPRN, IDMV, IDMV, IAFJ, IAFJ, IMND, IMND, SHRO, SHRO, IVRN, IVRN, CHTH, CHTH, THKV, THKV, MRVT, MRVT, GHV, GHV, IGZV, IGZV, QAM, QAM, IRAZ, IRAZ, NASN, NASN, ASAO, ASAO, IKRD, IKRD, GEYT, GEYT, GEYT, GEYT, IAKL, IAKL, IEMG, IEMG, IEMG, IEMG, IPAY, IPAY, ASTR, ASTR, LKRN, LKRN, LKRN, LKRN, GLBA, GLBA, GLBA, GLBA, PQL, PQL, PQL, PQL, XNO, XNO, GDB, GDB, GNI, GNI, AKTO, AKTO, AKTO, AKTO, BVAR, BVAR, MKAR, MKAR, EKA, EKA, CMAR, CMAR.

ISCJB 24 18:49:38.5, 0.2, 6.81N, 02.7308W, 0.03, h161km, 2km, mb4.1/29, Error ellipse: s-maj=4.6km s-min=3.8km az=15.3

NEIC 24 18:49:38.9, 0.8, 6.75N, 73.15W, h147km, 9km, mb4.3/16, Error ellipse: s-maj=12.0km s-min=10.3km az=101.0

IDC 24 18:49:39.6, 0.5, 6.76N, 72.92W, h162km, 4km, mb3.7/15, mb1.3/24, mb1mx3.7/53, mbtm3.4/24, MS2.9/4, Ms1.2/94, ms1mx2.5/51, Error ellipse: s-maj=9.4km s-min=4.8km az=120.0

RSNC 24 18:49:40.9, 1.0, 6.82N, 73.18W, h148km, 5km, ML4.4

ISC 24 18:49:39.2, 0.5, 6.82N, 02.7308W, 0.04, h159km, 4km, n274, 1918/294, mb4.2/29, Northern Columbia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BARC, BARC, PAMC, PAMC, PAMC, PAMC.

ISC 24 18:50:04.0, 1.0, 50.21N, 158.06E, h42km, 58km, ML4.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RUSC, RUSC, PTBC, PTBC, OCAC, OCAC, ZARC, ZARC, NORC, NORC, CHIC, CHIC, ROSC, ROSC, ROSC, ROSC, HELC, HELC, UREC, UREC, VILC, VILC, GUYC, GUYC, RREF, RREF, DBBC, DBBC, CODC, CODC, SDV, SDV, SDV, SDV, PRAC, PRAC, SJJCC, SJJCC, PLMC, PLMC, YOTC, YOTC, MARP, MARP, PCON, PCON, POPC, POPC, BCIP, BCIP, OTAV, OTAV, PCRV, PCRV, PCR, PCR, MTDJ, MTDJ, SDDR, SDDR, JTS, JTS, SJG, SJG, ATAH, ATAH, PTGA, PTGA, SAML, SAML, APG, APG, NNA, NNA, 758A, 758A, LPAZ, LPAZ, LPAZ, LPAZ, 757A, 757A, CMIG, CMIG, 657A, 657A, 656A, 656A, 555A, 555A, 455A, 455A, 512A, 512A, 353A, 353A, 251A, 251A, GOGA, GOGA, 249A, 249A, 149A, 149A, 346A, 346A, Z50A, Z50A, Z49A, Z49A, 147A, 147A, Y50A, Y50A, Y49A, Y49A, Z48A, Z48A, Y48A, Y48A, X49A, X49A, Y47A, Y47A, 342A, 342A, X46A, X46A, Y46A, Y46A, X47A, X47A, Y45A, Y45A, W48A, W48A, BLA, BLA, TZTN, TZTN, W47A, W47A, V48A, V48A.

ISC 24 18:50:05.0, 2.0, 50.21N, 158.06E, h42km, 58km, ML4.1

ISC 24 18:50:05.0, 2.0, 50.21N, 158.06E, h42km, 58km, ML4.1

ISC 24 18:50:05.0, 2.0, 50.21N, 158.06E, h42km, 58km, ML4.1

ISC 24 18:50:05.0, 2.0, 50.21N, 158.06E, h42km, 58km, ML4.1

ISC 24 18:50:05.0, 2.0, 50.21N, 158.06E, h42km, 58km, ML4.1

ISC 24 18:50:05.0, 2.0, 50.21N, 158.06E, h42km, 58km, ML4.1

ISC 24 18:50:05.0, 2.0, 50.21N, 158.06E, h42km, 58km, ML4.1

ISC 24 18:50:05.0, 2.0, 50.21N, 158.06E, h42km, 58km, ML4.1

ISC 24 18:50:05.0, 2.0, 50.21N, 158.06E, h42km, 58km, ML4.1

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ISC 24 18:50:05.0, 2.0, 50.21N, 158.06E, h42km, 58km, ML4.1

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ISC 24 18:50:05.0, 2.0, 50.21N, 158.06E, h42km, 58km, ML4.1

ISC 24 18:50:05.0, 2.0, 50.21N, 158.06E, h42km, 58km, ML4.1

V47A	Nunnely	baz=153,SNR=11	31.77 337	P	P	18 55 50.5 +2.1
V46A	Holladay	baz=152,SNR=14	31.98 337	P	P	18 55 52.0 +1.7
U48A	Cassie Pea, Po	baz=151	32.02 339	P	P	18 55 52.6 +2.0
WVT	Waverly	baz=152	32.15 337	P	P	18 55 53.4 +1.6
U46A	Springville	baz=152	32.49 337	P	P	18 55 56.3 +1.6
T48A	Bowling Green	baz=155	32.50 340	P	P	18 55 56.9 +2.0
T47A	Sharon Grove	baz=154	32.64 339	P	P	18 55 58.0 +1.9
S48A	Wiedeman Farm,	baz=156	32.89 341	P	P	18 55 59.5 +1.3
T46A	Princeton	baz=152	32.98 338	P	P	18 56 00.8 +1.8
X40A	Basin Creek Fa	baz=142	33.02 329	P	P	18 56 00.4 +1.0
W41B	Gary Mavity, V	baz=144	33.28 331	P	P	18 56 02.8 +1.2
V42A	Cord	baz=146	33.38 332	P	P	18 56 04.0 +1.4
S46A	Don Dixon Farm	baz=152	33.48 339	P	P	18 56 04.7 +1.3
WCI	Wyandotte Cave	baz=156	33.49 341	P	P	18 56 04.6 +1.3
R47A	Wooly Knot Far	baz=156	33.62 341	P	P	18 56 06.3 +1.7
W40A	Ferguson Farm,	baz=143,SNR=5.5	33.70 330	P	P	18 56 06.5 +1.2
X39A	Fountain Ranch	baz=140	33.70 328	P	P	18 56 06.3 +0.9
V41A	Mountainview	baz=144,SNR=11	33.72 331	P	P	18 56 06.6 +1.1
U42A	Reviden	baz=146	33.76 333	P	P	18 56 06.9 +1.1
S45A	Carrier Mills	baz=152	33.80 338	P	P	18 56 07.0 +1.0
R46A	Gibon Southern	baz=154	33.88 339	P	P	18 56 07.9 +1.1
T43A	Greenville	baz=149,SNR=5.1	33.97 335	P	P	18 56 09.0 +1.5
N59A	State Game Lan	baz=175	34.04 356	P	P	18 56 10.1 +1.9
V40A	Witts Springs	baz=144,SNR=10.0	34.06 331	P	P	18 56 09.6 +1.1
W39A	Magazine	baz=142,SNR=6.9	34.07 332	P	P	18 56 09.4 +0.9
U41A	Viola	baz=145	34.07 332	P	P	18 56 09.4 +0.9
S44A	Carbondale	baz=151	34.07 337	P	P	18 56 10.5 +2.1
Q47A	Bedord North L	baz=156,SNR=5.5	34.17 341	P	P	18 56 11.4 +2.1
R45A	Skyler, Farfri	baz=153,SNR=6.1	34.23 338	P	P	18 56 11.2 +1.4
T42A	Van Buren	baz=147,SNR=8.8	34.27 334	P	P	18 56 11.3 +1.2
S43A	Fulton Ridge,	baz=149	34.29 336	P	P	18 56 11.4 +1.0
R44A	Waltonville	baz=151	34.48 337	P	P	18 56 12.6 +0.6
V39A	Pettigrew	baz=142,SNR=7.6	34.49 330	P	P	18 56 13.2 +1.0
U40A	Felville	baz=144,SNR=16	34.52 331	P	P	18 56 13.7 +1.4
Q46A	CEJHS Indians,	baz=155	34.56 340	P	P	18 56 14.1 +1.6
T41A	Mountain View	baz=146,SNR=5.5	34.57 333	P	P	18 56 13.9 +1.1
P47A	Martinsville	baz=157	34.63 342	P	P	18 56 14.4 +1.2
Q45A	Warren Harvey,	baz=153	34.72 339	P	P	18 56 15.4 +1.4
S42A	Caledonia	baz=148,SNR=8.0	34.76 335	P	P	18 56 15.4 +1.1
R43A	Red Bud	baz=152	34.84 336	P	P	18 56 15.9 +0.8
U39A	Green Forest	baz=143	34.84 331	P	P	18 56 15.4 +0.3
T40A	Mansfield	baz=145,SNR=8.0	35.00 332	P	P	18 56 17.6 +1.1
S41A	Jillico Farms,	baz=147,SNR=7.9	35.02 334	P	P	18 56 17.6 +1.0
Q44A	Meyer Farm, Va	baz=152	35.04 338	P	P	18 56 17.6 +0.9
P46A	Rosedale	baz=155,SNR=5.7	35.04 341	P	P	18 56 18.1 +1.3
P45A	Graceland, Par	baz=154,SNR=6.3	35.14 340	P	P	18 56 19.0 +1.4
CCM	Cathedral Cave	baz=148	35.19 335	P	P	18 56 18.9 +0.9
CCM	Cathedral Cave	comp=Z,1.1nm,0.5s,baz=129,slow=9.1,SNR=21	35.19 335	eP	P	18 56 19.0 +0.9
R42A	Luebbering	baz=149,SNR=6.0	35.19 335	P	P	18 56 19.3 +1.2
O47A	Sheridan	baz=157	35.28 343	P	P	18 56 20.3 +1.4
T39A	Cleaver	baz=144	35.30 331	P	P	18 56 19.8 +0.7
S40A	Lebanon	baz=146,SNR=17	35.36 333	P	P	18 56 20.7 +1.2
P44A	Sand Creek, Wi	baz=153	35.39 339	P	P	18 56 20.4 +0.6
R41A	Rosebud	baz=148,SNR=11	35.45 335	P	P	18 56 21.4 +1.1
ABTX	Abilene, Hawle	baz=131	35.63 320	P	P	18 56 22.8 +0.8
ERPA	Eric	baz=168	35.69 351	P	P	18 56 23.6 +1.4
SFIN	Lafayette	baz=156,SNR=11	35.70 342	P	P	18 56 24.0 +1.6
T38A	Diamond	baz=142,SNR=5.2	35.76 330	P	P	18 56 23.4 +0.4
S39A	Bolivar	baz=144,SNR=6.9	35.81 332	P	P	18 56 24.1 +0.7
R40A	Maddies Statio	baz=146,SNR=1	35.83 334	P	P	18 56 24.4 +0.9
P43A	Skaggs, Pawnee	baz=152	35.87 338	P	P	18 56 24.3 +0.5
Q41A	Truxton	baz=148,SNR=5.2	35.95 336	P	P	18 56 25.7 +1.2
N46A	Monticello	baz=157,SNR=6.5	36.06 342	P	P	18 56 27.1 +1.6
P42A	Winchester	baz=150	36.13 337	P	P	18 56 26.1 0.0
R39A	Chumby, Stover	baz=145,SNR=11	36.19 333	P	P	18 56 27.3 +0.7
N45A	Kentland	baz=156	36.26 341	P	P	18 56 27.7 -0.4
Q40A	Laux Farm, Aux	baz=148	36.33 335	P	P	18 56 27.1 -0.7
M46A	Old House Fiel	baz=158	36.42 343	P	P	18 56 29.6 +1.2
R38A	Fenwick Farm,	baz=144,SNR=7.6	36.49 332	P	P	18 56 29.6 +0.5
P41A	Barry, Barry	baz=149	36.49 336	P	P	18 56 29.5 +0.3
TXAR	Lajitas Array	comp=Z,1.7nm,0.5s,baz=129,slow=9.1,SNR=21	36.49 312	P	P	18 56 30.6 +1.2
WMOK	Wichita Mounta	baz=134,SNR=5.8	36.51 323	P	P	18 56 29.4 0.0
WMOK	Wichita Mounta	comp=Z,1.8nm,0.5s	36.51 323	eP	P	18 56 29.6 +0.2
AAM	Ann Arbor	baz=162	36.56 347	P	P	18 56 29.6 -0.1
Q39A	Willow Grove F	baz=146,SNR=9.8	36.76 334	P	P	18 56 32.1 +0.7
P40A	Paris	baz=148,SNR=5.4	36.77 335	P	P	18 56 32.3 +0.8
Q38A	Cooks Store, C	baz=145,SNR=7.3	36.98 333	P	P	18 56 34.3 +1.0
P39B	Salisbury	baz=146	37.03 334	P	P	18 56 34.4 +0.7
N42A	Fates City	baz=152	37.10 338	P	P	18 56 34.4 +0.2
O40A	La Belle	baz=148	37.20 336	P	P	18 56 35.3 +0.2
Q37A	Longview Farm,	baz=144	37.30 332	P	P	18 56 36.7 +0.8
P38A	Dawn	baz=146,SNR=5.7	37.48 334	P	P	18 56 38.3 +0.8
N40A	Mertquake, Sal	baz=149	37.73 337	P	P	18 56 39.1 -0.5
O38A	Galt	baz=146	37.77 334	P	P	18 56 41.8 +1.0

O37A	Wolven Farm, M	baz=145	38.20 334	P	P	18 56 44.1 +0.6
L41A	Preston	baz=152	38.36 339	P	P	18 56 45.1 +0.3
AMTX	Amuello	baz=130	38.38 321	P	P	18 56 45.8 +0.6
MSTX	Muleshoe	baz=128	38.51 319	P	P	18 56 46.8 +0.5
L40A	Anamosa	baz=148	38.61 338	P	P	18 56 46.9 0.0
M38A	Pleasantville	baz=147	38.83 336	P	P	18 56 48.7 0.0
L39A	Vinton	baz=149	38.96 337	P	P	18 56 49.9 +0.1
MNTX	Cornudas Mount	baz=123	39.00 314	P	P	18 56 50.9 +0.6
MNTX	Cornudas Mount	comp=Z,1.1nm,0.5s,baz=136,slow=6.5,SNR=26	39.00 314	eP	P	18 56 52.1 +1.8
JFWS	Jewell Farm	baz=152,SNR=5.8	39.01 340	P	P	18 56 50.9 +0.7
SCIA	State Center	baz=148	39.25 336	P	P	18 56 52.8 +0.6
I42A	Draeger Farm,	baz=155	39.45 342	P	P	18 56 54.3 +0.5
M36A	Felix, Anita	baz=145	39.54 334	P	P	18 56 54.8 +0.1
J40A	Soldiers Grove	baz=157	39.61 340	P	P	18 56 55.4 +0.2
H43A	Windswept, Lux	baz=147	39.64 343	P	P	18 56 56.0 +0.6
J39A	Decorah	baz=151	39.89 339	P	P	18 56 57.6 0.0
I41A	Arkdale	baz=154	39.90 341	P	P	18 56 57.9 +0.3
I40A	Norwalk	baz=152	40.00 340	P	P	18 56 59.4 +0.9
I39A	Houston	baz=151	40.28 339	P	P	18 57 01.1 +0.4
H40A	Chili	baz=153	40.58 341	P	P	18 57 04.1 +0.0
F44A	Big Bay de Noc	baz=160	40.68 346	P	P	18 57 05.2 +1.2
J36A	Seneca 1, Swea	baz=147	40.89 336	P	P	18 57 06.3 +0.6
H39A	Augusta	baz=160	40.92 340	P	P	18 57 06.3 +0.4
F42A	Maple Grove Fa	baz=157	40.93 344	P	P	18 57 07.5 -0.7
G40A	Rib Lake	baz=154	41.09 342	P	P	18 57 07.8 +0.5
I21A	Cookes Peak, D	baz=121	41.17 313	P	P	18 57 07.5 -1.0
G39A	Holcombe	baz=152,SNR=6.2	41.42 341	P	P	18 57 11.0 +1.0
T25A	Trinidad	baz=129	41.52 321	P	P	18 57 13.5 +2.2
ANMO	Albuquerque	comp=Z,1.1nm,0.5s,baz=136,slow=6.5,SNR=26	41.54 317	P	P	18 57 12.1 +0.7
ANMO	Albuquerque	comp=Z,3.1nm,18.2s,baz=262,slow=4.1	41.54 317	P	LR	19 18 04.4
ANMO	Albuquerque	baz=125	41.54 317	P	P	18 57 12.3 +0.9
G38A	Ridgeland	baz=151	41.55 340	P	P	18 57 11.3 +0.3
F39A	Loretta	baz=153	41.90 341	P	P	18 57 14.4 +0.5
E40A	Wakefield	baz=155,SNR=7.8	42.06 343	P	P	18 57 16.5 +1.3
ECSD	EROS Data Cent	baz=144,SNR=8.5	42.17 334	P	P	18 57 16.6 +0.5
ECSD	EROS Data Cent	comp=Z,4.8nm,0.5s	42.17 334	eP	P	18 57 16.2 +0.1
E39A	MELER	baz=154,SNR=5.7	42.20 342	P	P	18 57 17.9 +1.6
H35A	Sunnyside Ranc	baz=147	42.23 337	P	P	18 57 16.6 0.0
F38A	Walter Schro	baz=152	42.25 340	P	P	18 57 17.5 +0.8
SDCO	Great Sand Dun	baz=128	42.58 321	P	P	18 57 21.7 +1.8
SDCO	Great Sand Dun	comp=Z,2.5nm,0.9s	42.58 321	eP	P	18 57 21.9 +2.1
F36A	Milaca	baz=150	42.73 339	P	P	18 57 21.0 +0.4
H33A	Prehn Over Nor	baz=141	42.99 335	P	P	18 57 23.3 +0.6
F35A	Swanville	baz=148	43.11 338	P	P	18 57 24.4 +0.7
Q24A	Divide	baz=140	43.12 323	P	P	18 57 24.2 0.0
H32A	Carlson Farm,	baz=143	43.14 334	P	P	18 57 24.0 0.0
E36A	McGregor	baz=150,SNR=8.5	43.20 340	P	P	18 57 25.1 +0.7
TUC	Tucson	baz=118	43.28 311	P	P	18 57 26.2 +0.8
C39A	Grand Marais	baz=155	43.37 343	P	P	18 57 26.2 +0.5
D37A	Cotton	baz=152,SNR=6.7	43.48 341	P	P	18 57 27.4 +0.7
H31A	Wolsey	baz=142,SNR=5.4	43.57 334	P	P	18 57 27.6 +0.1
C38A	Sawhill Land.	baz=149	43.61 342	P	P	18 57 28.0 +0.3
E35A	Pequot Lakes	baz=149	43.64 339	P	P	18 57 28.9 +1.0
D36A	Goodland	baz=151	43.74 340	P	P	18 57 29.3 +0.5
SUSD	Miller	baz=141,SNR=6.5	43.76 333	P	P	18 57 29.2 +0.3
G32A	Webster	baz=144	43.77 335	P	P	18 57 29.0 0.0
EYMN	Ely	comp=Z,1.3nm,0.6s	43.89 342	P	P	18 57 30.6 +0.7
EYMN	Ely	baz=153,SNR=9.1	43.89 342	eP	P	18 57 30.4 +0.6
W18A	Petrified Fore	baz=122	43.89 315	P	P	18 57 32.0 +1.6
C37A	Embarrass	baz=152	43.91 341	P	P	18 57 30.5 +0.5
ISCO	Idaho Springs	baz=148,SNR=8.8	43.93 323	P	P	18 57 32.4 +1.7
ISCO	Idaho Springs	comp=Z,2.2nm,0.7s	43.93 323	eP	P	18 57 32.7 +2.0
G31A	Conde	baz=149	44.05 334	P	P	18 57 31.6 +0.5
C36A	Pine Crest Far	baz=151,SNR=5.8	44.14 341	P	P	18 57 32.8 +0.9
MVCO	Mesa Verde	baz=125	44.18 318	P	P	18 57 33.7 +1.0
D34A	Park Rapids	baz=148	44.38 338	P	P	18 57 34.4 +0.7
C35A	Jirik Farms, M	baz=150,SNR=5.5	44.47 340	P	P	18 57 35.1 +0.6
F31A	Hecla	baz=143	44.57 335	P	P	18 57 35.1 -0.3
D33A	AnnSam, Waubun	baz=147,SNR=11	44.66 338	P	P	18 57 36.8 +0.7
C34A	RK Ranch, Bem	baz=149	44.75 339	P	P	18 57 36.7 0.0
N23A	Red Feather La	baz=130	44.83 324	P	P	18 57 39.5 +1.7
B35A	Bob, Littlefor	baz=151,SNR=5.7	44.96 341	P	P	18 57 38.9 +0.6
WUAZ	Wupatki	baz=120,SNR=5.2	45.25 315	P	P	18 57 43.0 +1.9
WUAZ	Wupatki	comp=Z,2.7nm,0.9s	45.25 315	eP	P	18 57 43.3 +2.2
B34A	Aery, B					





24d 19h

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like WES, HDIL, N44A, etc.

2012 MAY

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like FRNY, JFWF, S22A, etc.

1560

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like GSC, ECSD, G40A, etc.

Table with columns for call sign, name, frequency, and other details. Includes entries like E36A McGregor, F33A 5 Mile Ranch, R11A Troy Canyon, etc.

Table with columns for call sign, name, frequency, and other details. Includes entries like FXWY Fox Creek, MDND Maddock, MDND Maddock, etc.

Table with columns for call sign, name, frequency, and other details. Includes entries like NOA NORARS Array B 117.94, NOA NORARS Array B 117.94, TRF Thorore Mountain, etc.





POO		iPCP	PcP	19 48 21.0 +11	
POO		iM	M	19 49 27.0	
POO		ePCs	PcS	19 51 57.0 +9.4	
MASI	Maura Aman, Be	19.56 152	P	19 43 49.2 -2.4	
PMBI	Palembang	20.64 146	P	19 44 04.0 +0.7	
PFBI	Pangkal Pinang	20.81 141	P	19 44 05.9 +0.8	
MNAI	Manna	20.96 152	P	19 44 02.5 -4.3	
KSM	Kuching	21.17 126	eP	19 44 09.0 0.0	
MDSI	Maura Dua	21.65 149	P	19 44 09.7 -4.5	
LWLI	Lhwa	22.05 150	P	19 44 16.7 -2.0	
SBUM	Sibu	22.15 121	eP	19 44 19.7 +0.1	
KASI	Kota Agung	22.70 150	P	19 44 20.2 -5.3	
STKI	Sintang	22.95 127	P	19 44 27.9 -0.2	
LZH	Lanzhou	23.58 22	iP	19 44 46.3 -1.4	
LZH			sP	19 44 51.9 +8.0	
LZH			sP	19 45 08.3 +6.2	
LZH			S	19 48 47.8 +1.3	
LZH			sS	19 49 01.9 -0.8	
LZH	comp=Z,140nm,0.9s		pmx		
LZH	comp=Z,250nm,5.4s		LR		
LZH	comp=Z,2um,12.4s		LR		
LZH	comp=Z,2um,12.1s		LR		
LZH	comp=Z,2um,13.5s		LR		
XAN	Xi'an	24.14 33	P	19 44 38.3 -1.2	
XAN			pP	19 44 46.8 -2.6	
XAN			pmx		
XAN	comp=Z,50nm,0.9s		pmx		
XAN	comp=Z,140nm,4.1s		LR		
XAN	comp=Z,270nm,15.2s		LR		
XAN	comp=Z,270nm,16.3s		LR		
XAN	comp=Z,380nm,13.0s		LR		
WHN	Wuhan	25.17 47	P	19 44 56.0 +7.2	
WHN			S	19 49 39.5 +2.8	
LEM	Lembang	25.43 145	P	19 44 48.8 -2.8	
LEM	comp=Z,18nm,0.6s,baz=174,slow=19,SNR=3.5		LR		
GTA	Gaotai	25.57 12	iP	19 44 53.5 +1.0	
GTA			pP	19 45 01.0 -1.3	
GTA			sP	19 45 05.5 -1.0	
GTA			pmx		
GTA	comp=Z,29nm,1.0s		pmx		
GTA	comp=Z,95nm,5.4s		LR		
GTA	comp=Z,130nm,16.2s		LR		
GTA	comp=Z,160nm,16.2s		LR		
GTA	comp=Z,270nm,18.5s		LR		
NIL	Niore	26.41 320	eP	19 45 01.6 +1.6	
KPJI	Karang Pucung	26.59 143	P	19 45 01.8 0.0	
SLSB	Suanglung	27.72 66	eP	19 45 13.4 +1.4	
YUL	Yuli	27.93 67	eP	19 45 15.3 +1.5	
NJ2	Nanjing	29.22 49	eP	19 45 26.8 +1.6	
NJ2			pmx		
KSH	Kashi	29.28 332	P	19 45 25.9 +0.1	
KSH			pP	19 45 37.4 +1.7	
KSH			PcP	19 48 35.8 +3.7	
KSH			S	19 50 11.8 -5.0	
KSH			Ss	19 51 44.4 +0.3	
KSH	comp=Z,15nm,0.9s		pmx		
KSH	comp=Z,180nm,4.3s		LR		
KSH	comp=Z,210nm,4.9s		LR		
KSH	comp=Z,300nm,6.6s		LR		
KSH	comp=Z,140nm,11.7s		LR		
KBL	Kabul	29.68 317	eP	19 45 29.0 -0.5	
WMQ	Urumqi	29.71 352	P	19 45 31.8 +2.3	
WMQ			sP	19 45 44.3 +0.8	
WMQ			pmx		
WMQ	comp=Z,29nm,0.9s		pmx		
WMQ	comp=Z,120nm,4.9s		LR		
WMQ	comp=Z,370nm,29.5s		LR		
WMQ	comp=Z,820nm,34.1s		LR		
H08S3	Diego Garcia H	30.08 225	T	20 17 12.8	
H08S2	Diego Garcia H	30.08 225	T	20 17 14.4	
H08S1	Diego Garcia H	30.09 225	T	20 17 15.3	
PRZ	Przheval'sk	30.79 338	eP	19 45 37.3 -1.9	
HHC	Hu-ho-hao-te	30.80 28	eP	19 45 39.8 +0.6	
HHC			pP	19 45 51.6 -1.7	
HHC			sP	19 45 57.0 -1.9	
HHC			S	19 50 38.8 -1.7	
HHC			sS	19 50 58.8 +2.0	
HHC	comp=Z,15nm,0.9s		pmx		
HHC	comp=Z,73nm,5.0s		pmx		
HHC	comp=Z,130nm,13.0s		LR		
HHC	comp=Z,70nm,13.8s		LR		
NRN	Naryn	30.84 334	eP	19 45 40.1 +0.3	
KDJ	Kajisay	30.95 336	eP	19 45 40.9 +0.4	
AAK	Ala-Archa	32.47 334	P	19 45 55.5 +1.6	
AAK	Ala-Archa	32.47 334	eP	19 45 55.0 +1.1	
AAK	Ala-Archa	32.47 334	eP	19 45 54.0 +0.1	
MK01	Makanchi Array	33.56 346	eP	19 46 03.5 +0.3	
MK31	Makanchi Array	33.58 346	eP	19 46 04.2 +0.7	
MKAR	Makanchi Array	33.58 346	PcP	19 46 03.9 +0.5	
MKAR	comp=Z,2.9nm,0.6s,baz=166,slow=9.1,SNR=33		PcP	19 48 43.7 +0.3	
MKAR	comp=Z,0.7nm,0.7s,baz=152,slow=6.4,SNR=3.3		LR	20 04 07.5	
MKAR	comp=Z,208nm,19.8s,baz=159,slow=14.4,SNR=28		LR		
MKAR	comp=Z,161nm,1.3s		PcP	19 46 04.2 +0.7	
MKAR	comp=Z,16nm,1.0s		PcP	19 48 43.7 +0.3	
MKAR	comp=Z,16nm,1.0s		PcP	19 46 04.6 +0.4	
WK31	Wadi Sarin	33.88 290	LR	20 00 48.6	
KK31	Karatay Array	34.65 330	eP	19 46 13.5 +0.7	
KKAR	Karatay Array	34.65 330	eP	19 46 13.5 +0.7	
JOW	Kunigami	34.89 64	LR	20 01 29.0	
SONM	Songino Array	35.07 15	P	19 46 16.9 +0.4	
SONM	comp=Z,17nm,1.0s,baz=200,slow=9.9,SNR=41		P	19 46 16.9 +0.3	
SONA1	Ulanbaatar	35.27 16	eP	19 46 19.0 +0.8	
ULN	Ulanbaatar	35.27 16	eP	19 46 18.4 +0.2	
ULN	Ulanbaatar	35.27 16	eP	19 46 18.4 +0.2	
ZAK	Zakamensk	36.80 11	eP	19 46 31.7 +0.5	
ZAK			pmx		

KURBB	Kurchatov Arra	38.06 345	P	19 46 42.1 +0.4	
KURBB	comp=Z,5.0nm,1.2s		P		
TURBB	Turchatov Arra	38.06 345	PcP	19 46 56.9 +0.4	
TURBB	comp=Z,4.7nm,0.7s,baz=161,slow=8.0,SNR=40		PcP		
TLY	Talaya	38.11 10	P	19 46 42.2 +0.1	
TLY	comp=Z,2.0nm,0.5s,baz=158,slow=2.5,SNR=3.2		P		
TLY	comp=Z,2.0nm,0.5s,baz=211,slow=8.7,SNR=5.8		P	19 46 44.1 +1.9	
TLY	comp=Z,7.2nm,1.1s		P		
TLY	Talaya	38.11 10	eP	19 46 44.1 +1.9	
TLY			eS	19 52 39.6 +6.8	
TLY			eSS	19 55 37.3 +1.6	
TLY	comp=Z,8.0nm,1.3s		pmx		
TLY	comp=Z,130nm,20.0s		MLR		
KURK	Kurchatov	38.12 345	eP	19 46 42.6 +0.4	
KURK	comp=Z,24nm,0.9s		P		
KURK	Kurchatov	38.12 345	eP	19 48 56.9 +0.2	
KURK			PcP	19 46 42.7 +0.4	
KURK			pmx		
BATI	Baumata	38.80 127	P	19 46 45.9 -2.5	
BATI	comp=Z,36nm,0.9s,baz=193,slow=20,SNR=6.7		P		
JNU	Nakatsue	38.86 55	LR	20 04 33.5	
GEYT	Alibeck	38.95 314	P	19 46 51.5 +2.0	
GEYT	comp=Z,3.8nm,0.8s,baz=134,slow=8.6,SNR=9.5		LR	20 04 54.0	
GYA0B	ALIBECK ARRAY	38.95 314	eP	19 46 51.0 +1.5	
GYA0B	comp=Z,153nm,18.4s,baz=195,slow=39		P		
ZAA0	Zalesovo Array	40.02 352	eP	19 46 58.4 +0.3	
ZAA0	comp=Z,30nm,1.2s		P		
ZALV	Zalesovo Beam	40.02 352	P	19 46 58.3 +0.3	
ZALV	comp=Z,5.6nm,0.7s,baz=176,slow=7.9,SNR=24		P		
ZALV	Zalesovo Beam	40.02 352	eP	19 48 57.8 -0.2	
CN2	Changchun	40.15 37	eS	19 48 59.4 +0.1	
CN2			eS	19 53 05.0 +1.4	
CN2	comp=Z,20nm,1.0s		pmx		
CN2	comp=Z,200nm,5.0s		pmx		
CN2	comp=Z,200nm,17.0s		LR		
CN2	comp=Z,200nm,17.0s		LR		
CN2	comp=Z,200nm,20.0s		LR		
SIJI	Sorong	40.54 109	P	19 47 02.4 -0.6	
SIJI	comp=Z,0.9nm,0.5s,baz=299,slow=13,SNR=6.5		P		
NVS	Novosibirsk	41.11 351	eP	19 47 06.4 -0.6	
BVAR	Borovoye Array	42.60 340	P	19 47 20.0 +0.7	
BVAR	comp=Z,0.8nm,0.5s,baz=150,slow=14,SNR=4.3		P		
BVAR	Borovoye Array	42.60 340	P	19 47 20.0 +0.7	
BVAR	comp=Z,1.0nm,0.5s		pmx		
BRVK	Borovoye	42.66 340	eP	19 47 20.2 +0.4	
BRVK	comp=Z,5.0nm,0.9s		P		
BRVK	Borovoye	42.66 340	eP	19 47 20.7 +1.0	
BRVK	comp=Z,4.0nm,0.7s		pmx		
MSHR	Mys Shultsa	42.99 42	iP	19 47 22.1 -0.4	
MDJ	Mudanjiang	43.06 38	P	19 47 20.0 -3.1	
MDJ	comp=Z,7.0nm,0.7s		pmx		
ABKAR	Abkulaq array	44.19 329	eP	19 47 33.1 +1.0	
USRK	Ussuriysk Arr	44.31 40	P	19 47 32.5 -0.7	
USRK	comp=Z,4.1nm,0.7s,baz=267,slow=7.0,SNR=4.9		LR		
USRK	comp=Z,100nm,18.6s,baz=208,slow=41		LR	20 09 55.7	
MAJO	Matsushiro	45.65 53	iP	19 47 42.4 -1.6	
MAJO	comp=Z,8.0nm,1.1s		pmx		
MAT	Matsushiro	45.65 53	P	19 47 43.5 -0.5	
MJAR	Matsushiro Arr	45.66 53	P	19 47 44.4 +0.4	
MJAR	comp=Z,1.9nm,0.9s,baz=267,slow=11,SNR=2.1		PcP		
MJAR	comp=Z,0.9nm,0.7s,baz=242,slow=6.3,SNR=3.0		LR	19 49 21.5 -0.4	
MJAR	comp=Z,67nm,18.1s,baz=220,slow=40		LR	20 09 34.1	
AKTO	Aktjubinsk	45.90 329	P	19 47 46.4 +0.6	
AKTO	comp=Z,2.1nm,0.6s,baz=141,slow=8.6,SNR=5.1		LR	20 08 48.5	
RAYN	Ar Rayn	45.91 289	eP	19 47 47.4 +1.1	
RAYN	comp=Z,14nm,1.8s		P		
BOD	Bodaibo	46.07 15	eP	19 47 46.7 -0.2	
BOD	comp=Z,16nm,1.4s		pmx		
KLR	Kul'dur	46.85 34	LR	20 10 41.4	
KLR	comp=Z,15nm,18.7s,baz=235,slow=40		LR		
KLR	Kul'dur	46.85 34	iP	19 47 52.5 -0.7	
DAMV	Dhamar	47.26 277	eP	19 48 13.2 -5.7	
SVE	Sverdlovsk	49.08 337	eP	19 48 11.1 +0.8	
SVE	comp=Z,27nm,0.9s		pmx		
GNI	Garni	49.42 311	iP	19 48 16.3 +2.8	
GNI	comp=Z,32nm,1.1s		pmx		
ARU	Arti	49.62 335	P	19 48 14.5 +0.1	
ARU	comp=Z,4.1nm,0.5s,baz=144,slow=3.4,SNR=12		P	19 48 14.4 +0.1	
ARU	comp=Z,13nm,1.0s		P	19 48 13.1 -1.3	
ARU	Arti	49.62 335	iP	19 48 13.1 -1.3	
ARU			P	19 49 34.6	
ARU			S	19 50 07.0	
ARU			Ss	19 55 20.7 +0.4	
ARU			pmx	19 58 50.2 -2.5	
GROC	Groznyy	49.66 315	eP	19 48 14.1 -0.9	
GROC	comp=Z,34nm,0.9s		pmx		
ZEI	Tsey	50.83 314	eP	19 48 27.4 +3.3	
ZEI	comp=Z,17nm,1.1s		pmx		
ASAJ	Asahikawa	51.22 44	P	19 48 26.9 +0.2	
ASAJ	comp=Z,7nm,0.6s,baz=260,slow=6.1,SNR=6.2		P	19 48 27.2 +0.5	
ASAJ	Asahikawa	51.22 44	eP	19 48 27.2 +0.5	
KBZ	Khabaz	51.82 315	P	19 48 32.5 +1.3	
KBZ	comp=Z,1.3nm,0.8s,baz=102,slow=19,SNR=2.4		LR	20 14 46.8	
KVAR	Kislovodsk Arr	52.03 315	P	19 48 34.1 +1.2	
KVAR	comp=Z,3.9nm,0.8s,baz=99,slow=13,SNR=5.2		P		
KIV	Kislovodsk	52.04 315	eP	19 48 34.4 +1.3	
KIV	comp=Z,28nm,1.0s		P	19 48 33.7 +0.7	
KIV	Kislovodsk	52.04 315	eP	19 48 33.7 +0.7	
KIV			eS	19 49 45.8	
KIV			eS	19 50 29.3	
KIV			pmx	19 56 12.2 +1.8	
KIV	comp=Z,9.0nm,1.0s		MLR		
YSS	Yuzh-Sakhalins	52.31 41	eP	19 48 35.4 +0.5	
YSS	comp=Z,103nm,21.0s		MLR		
YSS	Yuzh-Sakhalins	52.31 41	eP	19 48 35.4 +0.5	
YSS	comp=Z,14nm,0.7s		pmx		
YSS	Yuzh-Sakhalins	52.31 41	eP	19 48 35.4 +0.5	
YSS			pmx		
NWAO	Narrogin (SRO)	52.33 154	P	19 48 34.7 -0.4	
NWAO	comp=Z,7nm,0.				

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Spitsbergen Arr, NORRAR Array, and various meteorological stations.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JNU, JTO, JKT, and various meteorological stations.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRAB, WRA, WRM, and various meteorological stations.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like AKH Alkhalakali, KARS, BOTANIKURI, DELISI, etc.

ISC 24 20:26:33.9.0.7, 30.03N:66.85E, h0km, mb3.8/24, mb1.4/0.27, mb1mx2.8/73, mbtmp3.9/27, ML3.9/3, MS3.2/5, Ms1.3/2.5, ms1mx2.6/67, Error ellipse: s-maj=17.7km, s-min=13.9km az=179.0

NEIC 24 20:26:35.3.0.4, 30.01N:66.84E, h10km, mb4.1/4, Error ellipse: s-maj=9.1km s-min=6.4km az=163.0

ISC 24 20:26:36.2.0.4, 30.00N:0.06:67.05E:0.05, h33km, mb3.9/25, MS3.2/4, Error ellipse: s-maj=8.3km s-min=5.6km az=16.6

ISC 24 20:26:38.7.0.6, 30.13N:0.07:66.95E:0.06, h35km, n60, c2500/57, mb3.9/25, MS3.2/4, Pakistan

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like NIL Nilore, WSAR Wadi Sarin, GEYT Alibek, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like KURK Kurchatov, BVAR Borovoye Arr, BRVK Borovoye Arr, etc.

ISC 24 20:30:53.1.0.7, 6.11S:0.06:127.60E:0.10, h404km, mb3.2/3, Error ellipse: s-maj=13.2km s-min=7.9km

ISC 24 20:30:53.0.1.1, 6.16S:127.65E, h383km, 13km, mb2.9/3, mb1.3/1.7, mb1mx2.9/57, mbtmp3.9/7, Error ellipse: s-maj=18.7km s-min=11.0km az=90.0

ISC 24 20:30:53.9.0.6, 6.16S:0.08:127.6E:0.1, h404km, n7, c233/11, mb3.3/3, Banda Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like BATI Baumenta, SIJI Sorak, WRA Warrungga Arr, etc.

JMA 24 20:33:00.9.0.2, 36.35N:142.26E, h39km, M2.9, ISC 24 20:33:01.8.4.8, 36.12N:141.94E, h0km, mb3.6/3, mb1.3/4.5, mb1mx3.2/72, mbtmp3.5/5, ML3.1/2, Error ellipse: s-maj=85.5km s-min=30.5km az=97.0

ISC 24 20:33:02.7.1.6, 36.25N:0.05:142.2E:0.1, h23km, n16, c165/21, mb3.5/3, Off east coast of Honshu

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

ISC 24 20:39:01.1.2.2, 36.77N:55.21E, h0km, mb2.9/4, mb1.3/5.7, mb1mx3.2/65, mbtmp3.3/7, ML3.6/3, MS2.7/1, Ms1.2/7.1, ms1mx2.0/41, Error ellipse: s-maj=43.9km s-min=14.7km az=175.0

TEH 24 20:39:04.2, 37.00N:55.60E, h10km, ML3.4, CSEM 24 20:39:04.8, 36.98N:55.62E, h14km, ML2.9, ISC 24 20:39:05.0.3.3, 37.00N:55.60E:0.04, h10km, mb3.2/5, MS2.1/1, Error ellipse: s-maj=5.9km s-min=3.9km az=159.7

ISC 24 20:39:04.4.0.7, 36.98N:0.03:55.59E:0.03, h10km, n35, c214/37, mb3.1/5, Northern and central Iran

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like IMND Minoodasht, MRVT Maraveh tapeh, SHRO Shahrood, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like ISHM Shahmirzad, GEYT Aghajari, IKRD Kardeh, etc.

ISK 24 21:13:18.8, 39.01N:35.87E, h5km, ML2.6/8, CSEM 24 21:13:19.4.0.1, 39.03N:35.89E, h5km, ML2.6, Error ellipse: s-maj=3.1km s-min=2.6km az=10.0

DDA 24 21:13:19.0, 39.04N:35.90E, h7km, M2.6, ISC 24 21:13:18.9.1.2, 39.02N:0.02:35.89E:0.02, h2km, n10km, n39, c082/58, Turkey

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like BNN Bunyan, CUSAR Sarkisla-SIVAS, CUALT Altinyayla-SIV, etc.

ISC 24 21:22:16.4.8.2, 0.64N:99.78W, h0km, mb3.8/5, mb1.4/2.5, mb1mx3.7/44, mbtmp3.8/5, MS3.2/9, Ms1.3/2.9, ms1mx2.9/34, Error ellipse: s-maj=336.1km s-min=125.3km az=101.0, West of Galapagos Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like CMIG Matias Romero, LPIG La Paz, TXAR Lajitas Array, etc.







24d 22h

2012 MAY

1568

Table with columns for station call letters, frequency, and signal strength. Includes stations like HTL, SNF, BCLA, KSP, KVCV, etc.

Table with columns for station call letters, frequency, and signal strength. Includes stations like OKC, KHC, VRAC, GEC2, etc.

Table with columns for station call letters, frequency, and signal strength. Includes stations like UZH, CONA, RETA, VORR, etc.





Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like YAVL, HAKT, YOVA, ALFC, AKMCK, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like MNAS, FFC, HARP, IRK, GEYT, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like SATY, PDGK, PMR, PMR, UZB, etc.

24d 22h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like CLWO Collingwood, A33A Warroad, F46A Macinaw City C, etc.

2012 MAY

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like G42A Mountain, F39A Loretta, KDKA Kodiak Island, etc.

1572

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like I40A Norway, NKL Nikolayevsk, NKL Kodiak Island, etc.







Y44A	Strider, Charl	59.52 286	P	P	22 57 47.0	-2.7
NLU	North Lily Min	59.54 308	eP	P	22 57 50.8	+0.7
253A	Americus	59.56 280	P	P	22 57 48.3	-1.7
150A	Eclectic	59.60 282	P	P	22 57 47.8	-2.5
Z47A	Carrollton	59.63 284	P	P	22 57 47.5	-3.0
X41A	Kaden, Bauxite	59.67 289	P	P	22 57 48.6	-2.1
356A	Blackshear	59.67 278	P	P	22 57 49.7	-1.1
P17A	Butcher Ranch,	59.69 306	eP	P	22 57 51.6	+0.6
DANN	Dangsing	59.72 92	eP	P	22 57 51.1	-0.4
PYUN	Pluthan	59.73 93	eP	P	22 57 50.9	-0.6
X40A	Basin Creek Fa	59.75 289	P	P	22 57 49.4	-2.0
X40A	Basin Creek Fa	59.76 289	eP	P	22 57 50.8	-0.6
Y43A	Makayla and Ka	59.77 287	P	P	22 57 49.8	-1.6
252A	Lumpkin	59.80 281	P	P	22 57 49.8	-1.9
149A	Jones	59.83 283	P	P	22 57 49.0	-2.8
355A	Pearson	59.87 279	P	P	22 57 49.4	-2.8
Z46A	Louisville	59.88 285	P	P	22 57 49.7	-2.6
TOAO	Torodi Ar. Sit	59.90 184	eP	P	22 57 51.5	-1.0
TORD	Torodi Ar. Bea	59.90 184	P	P	22 57 50.4	-2.0
TORD	comp=Z,19nm,1.0s,baz=352,slow=5.9,SNR=46		LR	LR	23 23 29.1	
TORD	comp=Z,8um,21.8s,baz=350,slow=36				23 27 26.0	
TORD	comp=Z,1.6nm,1.1s,baz=159,slow=1.8,SNR=6.7				22 57 49.7	-2.6
L02D	Cave Junction,	59.90 318	P	P	22 57 49.7	-2.6
251A	Midway	59.91 281	P	P	22 57 49.4	-2.9
MIAR	Mount Ida	59.91 290	P	P	22 57 50.6	-1.8
MIAR	Mount Ida	59.91 290	eP	P	22 57 51.8	-0.6
MIAR	comp=Z,20um,19.0s		LR	LR		
MIAR	Mount Ida	59.91 290	eP	P	22 57 51.8	-0.6
MIAR	comp=Z,192nm,1.4s					
MIAR	comp=Z,20um,19.0s		MLR	MLR		
M04C	Macdoel	59.91 317	P	P	22 57 51.1	-1.5
Z45A	Winona	59.93 286	P	P	22 57 50.0	-2.6
TMUT	Trail Mountain	59.97 307	eP	P	22 57 53.7	+0.6
SRU	San Rafael Sve	59.98 306	eP	P	22 57 53.0	-0.1
SRU	San Rafael Sve	59.98 306	eP	P	22 57 53.0	-0.1
SRU	comp=Z,105nm,1.1s					
TIGA	Trifton	59.99 279	P	P	22 57 51.3	-1.7
TIGA	Trifton	59.99 279	eP	P	22 57 51.9	-1.1
CCAR	Cane Creek	60.00 288	eP	P	22 57 54.2	+1.2
148A	Greensboro	60.01 283	P	P	22 57 49.9	-3.1
SDCO	Great Sand Dun	60.05 301	P	P	22 57 50.7	-3.0
SDCO	Great Sand Dun	60.05 301	eP	P	22 57 55.8	+2.0
SDCO	comp=Z,70um,19.0s		LR	LR		
YUK	Yuzh-Kuril'sk	60.06 32	eP	P	22 57 53.9	+0.6
YUK					22 58 34.7	
YUK					23 00 14.2	
YUK					23 01 34.5	
YUK					23 06 07.5	+1.6
YUK					23 10 06.0	+4.3
YUK	comp=Z,7um,19.0s		MLR	MLR		
YUK	comp=N,4um,18.0s		MLR	MLR		
Y42A	Garnett, Star	60.08 288	P	P	22 57 51.5	-2.1
X39A	Fountain Ranch	60.09 290	P	P	22 57 50.7	-3.0
YBH	Yreka Blue Hor	60.14 317	P	P	22 57 55.4	+1.5
YBH	comp=E,10nm,0.9s,baz=37,slow=4.3,SNR=11		LR	LR	23 24 22.5	
YBH	comp=E,50um,20.4s,baz=358,slow=36					
YBH	Yreka Blue Hor	60.14 317	eP	P	22 57 55.5	+1.5
457A	Yulee	60.17 277	P	P	22 57 51.5	-2.7
PV07	Paradox Valley	60.17 304	eP	P	22 57 54.4	0.0
147A	Livingston	60.18 284	P	P	22 57 51.1	-3.1
DL2	Dalian	60.20 54	JP	S	22 57 51.6	-2.7
DL2			S	S	23 06 05.0	-2.7
DL2	comp=E,50nm,1.4s					
DL2	comp=E,2um,4.5s					
DL2	comp=E,22um,21.2s		LR	LR		
DL2	comp=E,5um,15.3s		LR	LR		
DL2	comp=E,32um,18.8s		LR	LR		
456A	Hilliard	60.21 278	P	P	22 57 51.6	-2.9
KOLN	Koldanda	60.22 93	eP	P	22 57 54.1	-0.7
PV15	Paradox Valley	60.22 304	eP	P	22 57 55.0	+0.1
Z44A	Pea Ridge, Bel	60.23 286	P	P	22 57 52.2	-2.4
PV09	Paradox Valley	60.23 305	eP	P	22 57 55.4	+0.5
BMN	Battle Mountai	60.24 312	eP	P	22 57 54.8	-0.1
BMN	Battle Mountai	60.24 312	eP	P	22 57 54.8	-0.1
BMN	comp=Z,21nm,1.1s					
250A	Grady	60.26 282	P	P	22 57 52.0	-2.8
353A	Camilla	60.26 280	P	P	22 57 53.0	-1.9
Y41A	Eaglette Beard	60.27 288	P	P	22 57 52.4	-2.4
PV04	Paradox Valley	60.27 305	eP	P	22 57 55.3	+0.2
GKN	Gorkha	60.30 91	eP	P	22 57 54.5	-0.9
PV10	Paradox Valley	60.32 305	eP	P	22 57 55.8	+0.3
Y40A	Okolona	60.33 289	P	P	22 57 53.6	-1.7
352A	Blakely	60.34 281	P	P	22 57 53.7	-1.7
T25A	Trinidad	60.35 300	P	P	22 57 53.3	-2.4
T25A	Trinidad	60.35 300	eP	P	22 57 57.3	+1.6
S22A	4UR Ranch, Cre	60.38 302	P	P	22 57 55.0	-0.9
S22A	4UR Ranch, Cre	60.38 302	eP	P	22 57 56.3	+0.3
SACV	Santiago Islan	60.44 213	PFAKE	LR	22 58 10.0	+1.4
SACV	comp=Z,2um,21.0s		LR	LR		
146A	Union	60.44 285	P	P	22 57 53.0	-3.0
PV01	Paradox Valley	60.44 304	eP	P	22 57 56.7	+0.4
455A	Stateville	60.48 278	P	P	22 57 54.4	-2.0
M02C	Callahan	60.49 317	P	P	22 57 55.6	-0.8

249A	Camden	60.51 283	P	P	22 57 53.7	-2.8
248A	Dixon Mills	60.57 283	P	P	22 57 54.6	-2.4
LSA	Lhasa	60.62 85	P	P	22 57 58.0	+0.1
LSA	comp=Z,35nm,0.9s					
LSA	comp=Z,2um,8.7s					
LSA	comp=Z,4um,32.2s					
LSA	comp=Z,6um,23.0s					
LSA	comp=Z,14um,33.1s					
LSA	Lhasa	60.62 85	eP	P	22 57 58.6	+0.7
LSA	comp=Z,92nm,1.2s					
LSA	comp=Z,9um,20.0s					
LSA	Lhasa	60.62 85	P	P	22 57 57.7	-0.2
LSA	Lhasa	60.62 85	eP	P	22 57 58.6	+0.7
LSA	comp=Z,92nm,1.2s					
LSA	comp=Z,9um,20.0s					
PV05	Paradox Valley	60.62 305	eP	P	22 57 57.1	-0.4
Z42A	Norrel Spur, H	60.66 288	P	P	22 57 55.6	-1.9
454A	Quitman	60.68 279	P	P	22 57 56.0	-1.7
KKN	Kakani	60.69 91	eP	P	22 57 57.6	-0.5
145A	Houston Renfro	60.72 286	P	P	22 57 56.0	-1.9
351A	Pinckard	60.73 281	P	P	22 57 56.0	-2.0
453A	Whigham	60.75 280	P	P	22 57 55.6	-2.6
GUN	Gumba	60.75 90	eP	P	22 57 58.0	-0.7
557A	Orange Park	60.79 277	P	P	22 57 55.7	-2.7
350A	Dozier	60.80 282	P	P	22 57 56.0	-2.5
DMN	Daman	60.81 91	eP	P	22 57 58.3	-0.7
144A	Alexander Plac	60.83 286	P	P	22 57 56.2	-2.5
247A	Quitman	60.86 284	P	P	22 57 56.6	-2.4
N02D	Trinity Center	60.87 317	P	P	22 57 56.9	-2.1
Z41A	Richard Creek	60.91 288	P	P	22 57 56.7	-2.6
TCRU	Three Creeks R	60.91 308	eP	P	22 58 00.8	+1.2
PKIN	Phulchoki	60.92 91	eP	P	22 57 59.0	-0.8
PKI	Pulchoki	60.94 91	eP	P	22 57 59.3	-0.6
MSU	Marysville	60.94 307	eP	P	22 58 00.8	+1.1
MSU	Marysville	60.94 307	eP	P	22 58 00.8	+1.1
556A	Lake Butler	61.00 278	P	P	22 57 58.2	-1.6
452A	Marianna	61.01 281	P	P	22 57 57.2	-2.8
143A	Soc's Landing,	61.04 287	P	P	22 57 58.0	-2.1
246A	Jackson Lee, B	61.04 285	P	P	22 57 57.8	-2.4
555A	McAlpin	61.05 278	P	P	22 57 58.7	-1.5
Z40A	Long Farm, Mag	61.07 289	P	P	22 57 59.1	-1.3
JIRN	Jiri	61.08 90	eP	P	22 58 00.7	-0.2
349A	Repton	61.11 283	P	P	22 57 58.6	-2.0
WMOK	Wichita Mounta	61.15 294	P	P	22 57 59.7	-1.2
WMOK	Wichita Mounta	61.15 294	eP	P	22 58 00.7	-0.2
WMOK	comp=Z,60um,19.0s					
WMOK	Wichita Mounta	61.15 294	eP	P	22 58 00.7	-0.2
WMOK	comp=Z,118nm,1.4s		LR	LR		
WMOK	comp=Z,60um,19.0s		MLR	MLR		
WMOK	comp=Z,60um,19.0s		MLR	MLR		
KHMM	Horse Mountain	61.17 318	eP	P	22 58 03.1	+2.0
658A	Bunnell	61.21 276	P	P	22 57 59.8	-1.5
WDC	Whiskeytown Da	61.21 317	eP	P	22 58 03.8	+2.6
WDC	Whiskeytown Da	61.21 317	eP	P	22 58 03.8	+2.6
WDC	comp=Z,44nm,1.1s					
657A	Interlachen	61.23 277	P	P	22 58 00.1	-1.3
245A	Little AP, Sta	61.24 285	P	P	22 57 59.6	-1.9
BRAL	Brewton	61.24 282	P	P	22 57 59.5	-2.0
BRAL	Brewton	61.24 282	eP	P	22 58 02.5	+1.1
BRAL	comp=Z,117nm,1.0s		LR	LR		
BRAL	comp=Z,45um,20.0s					
VBMS	Vicksburg	61.24 286	P	P	22 57 59.8	-1.7
348A	Jackson	61.26 283	P	P	22 57 59.8	-1.9
554A	Perry	61.29 279	P	P	22 58 01.1	-0.7
MVCO	Mesa Verde	61.30 304	P	P	22 58 00.5	-1.7
MVCO	Mesa Verde	61.30 304	eP	P	22 58 02.8	+0.6
MVCO	comp=Z,189nm,1.0s		LR	LR		
PSUT	comp=Z,15um,20.0s					
142A	Monroe	61.34 287	P	P	22 58 00.8	-1.3
O03D	Paynes Creek	61.34 316	P	P	22 58 00.9	-1.3
451A	Vernon	61.39 281	P	P	22 58 01.6	-0.9
MTPU	Mount Pierson	61.39 307	eP	P	22 58 04.3	+1.4
PAHR	Pah Rah Range	61.40 314	eP	P	22 58 04.5	+1.7
553A	Crawfordville	61.41 280	P	P	22 58 01.0	-1.7
347A	Barland	61.45 284	P	P	22 58 01.0	-1.9
450A	Crestview	61.45 282	P	P	22 58 00.2	-2.8
244A	Avery, Jackson	61.46 286	P	P	22 57 60.0	-3.0
141A	Papa Simpson,	61.55 288	P	P	22 58 02.0	-1.6
XAN	Xi'an	61.57 67	P	P	22 58 02.0	-1.8
XAN			P	S	22 58 11.8	+4.1
XAN			P	S	23 06 30.0	+4.5
XAN	comp=Z,19nm,0.9s					
XAN	comp=Z,2um,5.5s					
XAN	comp=Z,8um,21.7s					
XAN	comp=Z,19um,19.5s					
ERM	Erimo	61.60 35	eP	P	22 58 04.3	+0.6
ERM	comp=Z,237nm,1.5s					
ERM	Erimo	61.60 35	eP	P	22 58 04.3	+0.6
ERM	Erimo	61.60 35	eP	P	22 58 03.8	0.0
ERM	comp=Z,141nm,1.7s					
ERM	comp=Z,8um,19.0s		MLR	MLR		
758A	Lake Helen	61.62 276	P	P	22 58 01.6	-2.5

656A	Wellston	61.63 277	P	P	22 58 02.1	-2.1
TIA	Tai'an	61.66 59	P	P	22 58 02.8	-1.5
TIA	comp=Z,740nm,4.1s					
TIA	comp=Z,6um,16.7s		LR	LR		
TIA	comp=Z,6um,19.6s		LR	LR		
TIA	comp=Z,8um,16.5s		LR	LR		
449A	Pace	61.68 282	P	P	22 58 02.8	-1.7
448A	Bay					

24d 22h

Table with columns for call sign, frequency, power, and other technical details. Includes stations like CD2, 957A Wimauma, 060A Indiantown, etc.

2012 MAY

Table with columns for call sign, frequency, power, and other technical details. Includes stations like EDW2 Edwards Air Fo, SMCC Simmler, MNTX Cornudas Mount, etc.

1576

Table with columns for call sign, frequency, power, and other technical details. Includes stations like SSE, TX31 Lajitas Ar. Si, TXAR Lajitas Arroy, etc.

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MBAR, TWG, PBKT, etc.

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like DGAR, MYLDM, DAV, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Res. Includes stations like BJO, HSPB, TRO, etc.







25d Oh

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like U15A North Rim, KSRS Korea Array, KSAR Wonju Array, etc.

ISCJB 24 23:52:17.3, 0.6, 40.15N, 0.02:24.04E, 0.03, h4km, 5km, Error ellipse: s-maj=3.7km s-min=3.7km az=7.5

CSEM 24 23:52:17.7, 0.1, 40.16N, 24.04E, h10km, ML2.2, Error ellipse: s-maj=1.8km s-min=1.6km az=93.0

ATH 24 23:52:17.3, 0.40.16N, 24.02E, h24km, 1km, ML2.3/10, Error ellipse: s-maj=1.4km s-min=0.7km az=338.0

THE 24 23:52:18.1, 40.17N, 24.02E, h8km, ML2.2/15, Error ellipse: s-maj=0.9km s-min=0.5km az=264.0

ISC 24 23:52:17.7, 0.9, 40.16N, 0.02:24.03E, 0.02, h11km, 6km, n102, 0.0556/144, Aegean Sea

Main table for 25d Oh stations, including OUR Ouranopolis, PAIG Paliouri, PLG Polygyros, etc.

2012 MAY

Table for 2012 MAY stations, including SMTH Samothraki Isl, SMTH Samothraki Isl, NVR Nevrokopi, etc.

ISCJB 25 00:09:43.0, 4.0, 6.72, 92N, 0.04:5.7E, 0.3, h11km, mb3.2/8, Error ellipse: s-maj=11.8km s-min=5.6km az=175.1

ICD 25 00:09:44.1, 0.8, 72.77N, 5.27E, h0km, mb3.2/7, mb1.3, 4.1/13, mb1mx3.3, 7/11, mbtmp3.3/13, ML3.1/6, Error ellipse: s-maj=20.5km s-min=13.7km az=62.1

BER 25 00:09:43.2, 0.9, 72.96N, 5.49E, h15km, 123km, ML2.3, ISC 25 00:09:45.3, 0.7, 72.88N, 0.07:5.34E, 0.09, h11km, n27, s=116/25, mb3.2/8, 1D, Norwegian Sea

Main table for 2012 MAY stations, including BJO Bjornoya, HSP Hornsund (broa), etc.

1580

ISC 25 00:18:46.1, 1.3, 14N, 0.2:97.2E, 0.2, h28km, n22, 0.049/12, mb4.0/10, Northern Sumatra

Table for 1580 stations, including PSI Prapat, CMAR Chiang Mai Arr, HOBS2 Diego Garcia H, etc.

NAO 25 00:25:52.5, 1.5, 72.96N, 5.40E, ML4.6, BUJ 25 00:25:52.2, 73.00N, 5.50E, h10km, mb4.8/52, mb5.2/29, MS4.8/25, MS7.4/23

ISCJB 25 00:25:53.7, 0.1, 72.96N, 0.01:5.22E, 0.05, h10km, mb4.9/333, MS4.5/61, Error ellipse: s-maj=2.6km s-min=1.5km az=136.7

ICD 25 00:25:53.7, 0.3, 72.92N, 5.20E, h0km, mb4.5/39, mb1.4, 6/46, mb1mx4.5/70, mbtmp4.5/46, ML4.2/6, MS4.5/38, MS1.4/5.38, ms1mx4.3/70, Error ellipse: s-maj=10.2km s-min=7.2km az=39.0

CSEM 25 00:25:54.1, 0.1, 72.97N, 5.54E, h2km, mb5.0/99, Error ellipse: s-maj=3.5km s-min=1.9km az=56.0

MOS 25 00:25:54.1, 1.1, 72.99N, 5.58E, h10km, mb5.1/99, MS4.5/27, Error ellipse: s-maj=14.3km s-min=3.1km az=95.7

NEIC 25 00:25:55.9, 0.1, 72.94N, 5.52E, h10km, mb5.0/248, Error ellipse: s-maj=3.4km s-min=2.0km az=55.0

BER 25 00:25:56.6, 3.7, 73.04N, 5.52E, h14km, 39km, ML3.3, ML4.6(NAO)

ISC 25 00:25:55.8, 0.5, 72.95N, 0.03:5.45E, 0.03, h12km, 2km, h12km, pp-P, n923, 0.150/994, mb5.0/335, MS4.5/63, 45C-18D, Norwegian Sea

Main table for 1580 stations, including BJO Bjornoya, LOF Lofoten, SPAO Spitsbergen Ar, etc.



25d Oh

FRB	comp=Z,16nm,1.7s,SNR=7.1	P	P	00 31 36.9 +1.1
FRB	comp=Z,9.5nm,0.9s,baz=34,slow=9.3,SNR=7.4	PcP	P	00 34 56.3 -1.1
FRB	comp=Z,2.8nm,0.7s,baz=40,slow=3.1,SNR=7.5	LR	LR	00 41 22.4
BUR08	comp=Z,9.79nm,18.4s,baz=5,slow=35	P	P	00 31 37.2 +0.7
SCRM	26.92 150 eP	P	P	00 31 36.4 -0.1
BUR04	26.94 150 eP	P	P	00 31 37.0 +0.2
BURAR	26.95 150 eP	P	P	00 31 36.9 +0.2
GROS	26.98 165 eP	P	P	00 31 37.5 +0.6
SVE	27.03 97 eP	P	P	00 31 37.7 +0.4
SVE	comp=Z,65nm,1.9s	pmax	pmax	
SVE	comp=Z,1um,18.0s	MLR	MLR	
ARCR	27.34 151 eP	P	P	00 31 50.8 +1.1
PRAR	27.35 148 eP	P	P	00 31 40.3 +0.1
DRGR	27.41 154 eP	P	P	00 31 41.9 +1.1
MORH	27.50 160 eP	P	P	00 31 42.0 +0.5
SSB	27.76 181 eP	P	P	00 31 44.6 +0.6
SSB	27.76 181 eP	P	P	00 31 44.6 +0.6
SSB	comp=Z,24nm,1.6s	pmax	pmax	
BNI	27.99 178 eP	P	P	00 31 47.2 +1.0
BNI	27.99 178 eP	P	P	00 31 47.2 +1.0
BNI	comp=Z,13nm,1.2s	pmax	pmax	
KIS	28.12 145 eP	P	P	00 31 42.0 -5.1
KIS	28.12 145 eP	P	P	00 31 42.0 -5.1
KIS	28.12 145 eP	P	P	00 31 42.0 -5.1
KIS	comp=Z,2um,19.0s	LRM	MLR	00 42 12.0
KIS	28.12 145 eP	P	P	00 31 42.0 -5.1
KIS	comp=Z,2um,19.0s	MLR	MLR	
BZS	28.42 156 eP	P	P	00 31 50.7 +0.9
BLV	28.82 163 eP	P	P	00 31 55.2 +1.5
BLY	28.82 163 eP	P	P	00 31 54.6 +1.3
LOT	28.86 153 eP	P	P	00 31 53.8 -0.1
VRI	28.88 148 eP	P	P	00 31 56.0 +2.1
PLOR	28.89 148 eP	P	P	00 31 55.9 +1.5
VLC	28.97 173 eP	P	P	00 31 56.6 +1.8
VOIR	29.05 151 eP	P	P	00 31 56.5 +1.0
ARR	29.06 152 eP	P	P	00 31 56.9 +1.3
MLR	29.13 150 eP	P	P	00 31 57.1 +0.8
MLR	comp=Z,1.1nm,0.9s,baz=332,slow=16,SNR=4.5	LR	LR	00 43 47.6
MLR	29.13 150 eP	P	P	00 31 57.9 +1.6
MLR	29.13 150 eP	P	P	00 31 58.3 +2.0
HERR	29.25 155 eP	P	P	00 32 00.3 +3.2
SECR	29.60 150 eP	P	P	00 32 02.7 +2.5
DIVS	29.74 159 eP	P	P	00 32 02.3 +0.8
CFR	29.78 147 eP	P	P	00 32 03.1 +1.3
TLCR	29.88 146 eP	P	P	00 32 03.1 +0.4
HARR	30.22 147 eP	P	P	00 32 06.4 +0.7
TLB	30.34 147 eP	P	P	00 32 07.4 +0.6
TIRR	30.52 147 eP	P	P	00 32 09.8 +1.4
AQU	30.92 168 eP	P	P	00 32 14.0 +2.0
AQU	30.92 168 eP	P	P	00 32 14.0 +2.0
SIM	31.07 139 eP	P	P	00 32 14.9 +1.7
SIM	31.07 139 eP	P	P	00 32 19.5 +1.1
SIM	31.07 139 eP	P	P	00 32 23.7 +5.9
SIM	comp=Z,33nm,1.6s	pmax	pmax	
SIM	comp=Z,3um,17.8s	MLR	MLR	
TIXI	31.25 31 eP	P	P	00 32 15.3 +0.8
TIXI	31.25 31 eP	P	P	00 32 15.4 +0.8
TIXI	31.25 31 eP	P	P	00 32 15.4 +0.8
PDG	31.31 160 eP	P	P	00 32 16.8 +1.5
TTG	31.31 160 eP	P	P	00 32 15.6 +0.3
TTG	31.31 160 eP	P	P	00 32 15.6 +0.3
VTS	31.60 155 eP	P	P	00 32 17.8 -0.3
VTS	31.60 155 eP	P	P	00 32 17.4 -0.7
VTS	31.60 155 eP	P	P	00 32 17.8 -0.3
VTS	31.60 155 eP	P	P	00 32 17.4 -0.7
PBRG	31.78 197 eP	P	P	00 32 20.8 +1.3
AKTO	31.87 106 eP	P	P	00 32 20.3 0.0
AKTO	31.87 106 eP	P	P	00 33 19.3 -5.3
AKTO	comp=Z,1.1nm,0.8s,baz=325,slow=12,SNR=3.7	LR	LR	00 45 50.0
ANN	31.88 134 eP	P	P	00 32 20.3 -0.1
ANN	31.88 134 eP	P	P	00 37 31.3 +0.8
ANN	comp=Z,76nm,0.9s	pmax	pmax	
ANN	comp=Z,2um,16.0s	MLR	MLR	
KKB	32.30 155 eP	P	P	00 32 25.0 +0.9
MVO	32.44 198 eP	P	P	00 32 28.2 +2.8
MMB	32.65 154 eP	P	P	00 32 27.7 +0.5
RZN	32.69 153 eP	P	P	00 32 27.4 -0.3
GOF	32.89 127 eP	P	P	00 32 28.8 -0.4
GOF	comp=Z,96nm,1.5s	pmax	pmax	
PKVS	32.96 199 eP	P	P	00 32 31.5 +1.5
BRV	33.12 91 eP	P	P	00 32 32.1 +1.0
BRV	33.12 91 eP	P	P	00 32 32.1 +1.0
FNA	33.16 158 eP	P	P	00 32 31.9 +0.2
FNA	33.16 158 eP	P	P	00 32 31.9 +0.2
BVAR	33.18 91 eP	P	P	00 32 32.4 +0.8
BVAR	comp=Z,5.6nm,1.0s,baz=330,slow=8.6,SNR=19	P	P	00 33 36.6 -4.7
BVAR	comp=Z,7.0nm,0.8s,baz=327,slow=13,SNR=6.4	P	P	00 46 32.0
MTE	33.24 198 eP	P	P	00 32 33.4 +1.0
CUC	33.43 165 eP	P	P	00 32 34.5 +0.5
ABKAR	33.48 105 eP	P	P	00 32 34.2 -0.1
VSL	33.59 175 eP	P	P	00 32 36.5 +0.9
ES19	33.65 193 eP	P	P	00 32 36.0 0.0
ESDC	33.68 193 eP	P	P	00 32 35.9 -0.4
ESDC	comp=Z,0.8nm,0.8s,baz=9.3,slow=4.9,SNR=4.2	LR	LR	00 35 14.3 -1.4
ESLA	33.68 193 eP	P	P	00 32 37.0 +0.8
SCHO	33.77 277 LR	LR	LR	00 44 45.6
PAB	33.83 194 eP	P	P	00 32 38.2 +0.6
PAB	33.83 194 eP	P	P	00 32 38.2 +0.6
KIV	33.85 128 eP	P	P	00 32 39.2 +1.5
KIV	33.85 128 eP	P	P	00 32 38.6 +0.9

2012 MAY

KIV	comp=Z,10.0nm,1.2s	pmax	pmax	
KIV	comp=Z,2um,19.0s	MLR	MLR	
KBZ	34.11 128 P	P	P	00 32 41.0 +1.2
KBZ	comp=Z,4.6nm,0.8s,baz=324,slow=3.1,SNR=12	LR	LR	00 46 36.6
PMRV	34.19 198 eP	P	P	00 32 41.6 +1.0
TIP	34.31 164 eP	P	P	00 32 42.5 +0.8
TIP	34.31 164 eP	P	P	00 32 42.1 +0.4
NCK	34.50 127 eP	P	P	00 32 42.5 -0.7
NEY	34.53 129 eP	P	P	00 32 45.4 +1.7
ILGA	34.76 141 eP	P	P	00 32 48.4 +2.6
PESTR	34.77 198 eP	P	P	00 32 47.7 +2.1
PESTR	34.77 198 eP	P	P	00 32 46.5 +0.9
AGG	35.01 157 eP	P	P	00 32 48.5 +0.8
AGG	35.01 157 eP	P	P	00 32 48.5 +0.8
ZEI	35.24 128 eP	P	P	00 32 49.3 -0.5
GROC	35.30 125 eP	P	P	00 32 48.4 -1.7
GROC	35.30 125 eP	P	P	00 34 05.8
GROC	35.30 125 eP	P	P	00 35 18.6
GROC	35.30 125 eP	P	P	00 38 24.1 +0.7
NVS	35.30 78 eP	P	P	00 32 51.1 +0.6
NVS	35.30 78 eP	P	P	00 34 15.3
NVS	comp=Z,51nm,2.1s	pmax	pmax	
NVS	comp=N,10.0nm,1.2s	pmax	pmax	
ANTO	35.73 143 eP	P	P	00 32 56.4 +0.4
ANTO	35.73 143 eP	P	P	00 32 56.4 +0.4
ANTO	35.73 143 eP	P	P	00 32 56.4 +2.4
VAE	35.84 168 LR	LR	LR	00 49 11.0
BR13	36.03 142 eP	P	P	00 32 58.1 +1.5
BRTR	36.03 142 eP	P	P	00 42 36.8 +1.5
BRTR	comp=Z,5.96nm,20.1s,baz=345,slow=38	pmax	pmax	
BRTR	36.03 142 eP	P	P	00 32 57.7 +1.1
MANT	36.38 149 eP	P	P	00 33 01.6 +1.9
TBLG	36.44 127 eP	P	P	00 33 01.9 +2.1
TBLG	36.44 127 eP	P	P	00 33 02.0 +2.1
TBLG	36.44 127 eP	P	P	00 33 02.8 +2.6
AKH	36.45 129 eP	P	P	00 33 02.8 +2.6
AKH	36.45 129 eP	P	P	00 33 02.8 +2.6
INK	36.46 336 eP	P	P	00 32 59.6 -0.1
INK	36.46 336 eP	P	P	00 32 59.6 -0.1
INK	36.46 336 eP	P	P	00 32 59.6 -0.1
ZAAO	36.59 77 eP	P	P	00 33 01.6 +0.5
ZALV	36.59 77 eP	P	P	00 33 01.6 +0.6
ZALV	36.59 77 eP	P	P	00 34 24.5 +0.4
ZALV	36.59 77 eP	P	P	00 33 24.1 +0.3
ZALV	36.59 77 eP	P	P	00 33 01.0 -0.1
ZALV	36.59 77 eP	P	P	00 34 24.5 +0.4
ZALV	36.59 77 eP	P	P	00 35 24.0 -1.7
ZALV	36.59 77 eP	P	P	00 33 01.0 -0.1
ZALV	36.59 77 eP	P	P	00 34 24.5 +0.4
ZALV	36.59 77 eP	P	P	00 35 24.0 -1.7
ZALV	36.59 77 eP	P	P	00 33 01.0 -0.1
ZALV	36.59 77 eP	P	P	00 34 24.5 +0.4
ZALV	36.59 77 eP	P	P	00 35 24.0 -1.7
ZALV	36.59 77 eP	P	P	00 33 01.0 -0.1
ZALV	36.59 77 eP	P	P	00 34 24.5 +0.4
ZALV	36.59 77 eP	P	P	00 35 24.0 -1.7
ZALV	36.59 77 eP	P	P	00 33 01.0 -0.1
ZALV	36.59 77 eP	P	P	00 34 24.5 +0.4
ZALV	36.59 77 eP	P	P	00 35 24.0 -1.7
ZALV	36.59 77 eP	P	P	00 33 01.0 -0.1
ZALV	36.59 77 eP	P	P	00 34 24.5 +0.4
ZALV	36.59 77 eP	P	P	00 35 24.0 -1.7
ZALV	36.59 77 eP	P	P	00 33 01.0 -0.1
ZALV	36.59 77 eP	P	P	00 34 24.5 +0.4
ZALV	36.59 77 eP	P	P	00 35 24.0 -1.7
ZALV	36.59 77 eP	P	P	00 33 01.0 -0.1
ZALV	36.59 77 eP	P	P	00 34 24.5 +0.4
ZALV	36.59 77 eP	P	P	00 35 24.0 -1.7
ZALV	36.59 77 eP	P	P	00 33 01.0 -0.1
ZALV	36.59 77 eP	P	P	00 34 24.5 +0.4
ZALV	36.59 77 eP	P	P	00 35 24.0 -1.7
ZALV	36.59 77 eP	P	P	00 33 01.0 -0.1
ZALV	36.59 77 eP	P	P	00 34 24.5 +0.4
ZALV	36.59 77 eP	P	P	00 35 24.0 -1.7
ZALV	36.59 77 eP	P	P	00 33 01.0 -0.1
ZALV	36.59 77 eP	P	P	00 34 24.5 +0.4
ZALV	36.59 77 eP	P	P	00 35 24.0 -1.7
ZALV	36.59 77 eP	P	P	00 33 01.0 -0.1
ZALV	36.59 77 eP	P	P	00 34 24.5 +0.4
ZALV	36.59 77 eP	P	P	00 35 24.0 -1.7
ZALV	36.59 77 eP	P	P	00 33 01.0 -0.1
ZALV	36.59 77 eP	P	P	00 34 24.5 +0.4
ZALV	36.59 77 eP	P	P	00 35 24.0 -1.7
ZALV	36.59 77 eP	P	P	00 33 01.0 -0.1
ZALV	36.59 77 eP	P	P	00 34 24.5 +0.4
ZALV	36.59 77 eP	P	P	00 35 24.0 -1.7
ZALV	36.59 77 eP	P	P	00 33 01.0 -0.1
ZALV	36.59 77 eP	P	P	00 34 24.5 +0.4
ZALV	36.59 77 eP	P	P	00 35 24.0 -1.7
ZALV	36.59 77 eP	P	P	00 33 01.0 -0.1
ZALV	36.59 77 eP	P	P	00 34 24.5 +0.4
ZALV	36.59 77 eP	P	P	00 35 24.0 -1.7
ZALV	36.59 77 eP	P	P	00 33 01.0 -0.1



Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like U48A Cassie Pea, Po, S43A Fulton Ridge, S42A Caledonia, R39A Chumby, Stover, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like TCUT Toone Canyon, Y50A Piedmont, X47A Russelville, V41A Mountainview, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like 556A Lake Spring, Z40A Long Farm, Mag, J1RN Wichita Mounta, W40K Wichita Mounta, etc.





25d 2h

Table with columns: Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HSN Hsinchu, TCU Taichung, CHNS Tsauling, etc.

ISCJB 25 01:46:15.5-0.7, 11:35S:0:06:122:76E:0:05, h33km, mb3.9/5, Error ellipse: s-maj=8.9km s-min=6.9km az=13.6

2012 MAY

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

MAN 25 02:07:42.6, 12:65N:120:79E, h19km, mb3.9, ML2.7, MS2.3, Mindoro

Table with columns: Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SJMP San Jose, SJMP Lubbang, OTRP Odiongan, etc.

ISCJB 25 02:10:51.7, 0.7, 73:01N:0:05:5:1E:0:2, h10km, Error ellipse: s-maj=9.8km s-min=7.5km az=15.7

NAO 25 02:10:52.6:3.8, 72:98N:4:87E, ML2.9 BER 25 02:10:57.3:2.7, 73:06N:5:45E, h10km, ML2.9(NAO)

ISC 25 02:10:54.4:1.1, 73:03N:0:09:5:2E:0:1, h10km, n18, c087/17, Greenland Sea

Table with columns: Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BJO1 Bjornoya, BJO Bjornoya, HSPB Hornsund, etc.

ISC 25 02:14:28.9:2.5, 1:37N:100:79W, h0km, mb4.0/6, mb1.4/3.7, mb1mx3.8/4.8, mbtmp4.0/7, ML3.7/1, Error ellipse: s-maj=118.8km s-min=40.4km az=103.0

ISCJB 25 02:14:30.9:1.4, 1:5N:0:2:10:12W:0.2, h14km, mb4.0/15, Error ellipse: s-maj=33.6km s-min=15.6km az=44.0

NEIC 25 02:14:31.8:0.8, 1:49N:101:15W, h10km, mb4.1/10, Error ellipse: s-maj=19.0km s-min=10.9km az=48.0

ISC 25 02:14:32.3:1.5, 1:5N:0:2:10:12W:0.2, h14km, n23, c074/20, mb4.0/15, Galapagos Triple Junction region

Table with columns: Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMIG Matias Romero, OTAV Otavalo, TXAR Lajitas Array, etc.

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Table with columns: Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, WRA Alice Springs, ASAR comp=Z,141nm, etc.

IDC 25 02:43:06.0:8.5, 1:65N:100:91W, h0km, mb3.8/5, mb1.4/1.5, mb1mx3.7/4.7, mbtmp3.8/5, Error ellipse: s-maj=225.6km s-min=118.3km az=121.0, Galapagos

Table with columns: Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TXAR Lajitas Array, PDAR Pinedale Array, ULM Lac du Bonnet, etc.

BUI 25 02:44:48.3, 43:49S:172:91E, h9km, mb5.3/6, mB5.6/4, Ms4.8/5, Ms7.4/6/5

ISCJB 25 02:44:48.4:0.2, 43:50S:0:03:172:97E:0:04, h10km, Ms4.8/28, Ms4.3/28, Error ellipse: s-maj=5.4km s-min=2.3km az=139.0

IDC 25 02:44:49.1:0.4, 43:34S:172:76E, h0km, mb4.7/17, Ms1.4/8/17, mb1mx4.6/14, mbtmp4.7/17, Ms4.2/25, Ms1.4/2/25, ms1mx4.1/34, Error ellipse: s-maj=16.9km s-min=13.4km az=68.0

MOS 25 02:44:49.6:1.1, 43:42S:172:78E, h10km, mb5.1/20, Error ellipse: s-maj=15.6km s-min=10.8km az=98.5

NEIC 25 02:44:50.5:0.0, 43:47S:172:81E, h10km, mb4.8/7, MW5.0, ML5.2(WEL), Moment Tensor Solution. s22

Moment tensor: Scale 10^16Nm; Mr:3.58; Mw:1.56; Mv:2.02; Mn:1.00; Mv:1.99; Mw:0.16; Best double couple: M:3.80000x10^16 NP1:209.00000, s42.00000, 1.70.00000; NP2:26.55.00000; s51.00000, 1.107.00000;

Principal axes: T: 3.8220, P: 76.0000, Azm25.0000; N: 0.0100, Plg13.0000; Azm24.0000; P: -3.8300, Plg4.0000; Azm133.0000; After WEL

NEIC Felt strongly in the Christchurch area. Felt in much of Canterbury.

GCMT 25 02:44:50.5:0.3, 43:52S:172:78E, h17km, MW5.1/78, Moment Tensor Solution. s40, c47; s78, c115; Duration: 0

Moment tensor: Scale 10^16Nm; Mr:4.58; Mw:2.6; Mv:2.32; Mn:1.7; Mw:2.28; Mw:2.42; Mw:2.70; Mn:1.3; Mw:1.33; Mw:1.33; Best double couple: M:4.93300x10^16 NP2:26.55.00000; s51.00000; NP2: 26.55.00000; s51.00000; NP2: 26.55.00000; Principal axes: T: 4.9430, Plg7.0000; Azm24.0000; N: 0.1900, Plg13.0000; Azm44.0000; P: 5.0230, Plg4.0000; Azm135.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s.

ISC 25 02:44:50.3:0.3, 43:46S:0:04:172:93E:0:04, h10km, n281, c138/27/13, mb4.8/28, MS4.2/28, 29C-3D, South Island

Table with columns: Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CRLZ Canterbury Las, MOZ McQueen's Vail, OXZ Oxford, etc.

ISC 25 02:44:50.3:0.3, 43:46S:0:04:172:93E:0:04, h10km, n281, c138/27/13, mb4.8/28, MS4.2/28, 29C-3D, South Island

Table with columns: Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WVZ Waitaitia Valley, THZ Tuske, CMW Cape Campbell, etc.

Table with columns for station name, frequency, and other details. Includes stations like URZ Urewera, MWZ Matawai, PUZ Puketiti, etc.

Table with columns for station name, frequency, and other details. Includes stations like JHU Hachijo jima 2, TROA Torquiste, TROA Torquiste, etc.

Table with columns for station name, frequency, and other details. Includes stations like SPITS Spitsbergen Ar, KBZ Khabaz, PRGR Permogre, etc.

NIED 25 02:53:00, 38°30'N, 144°00'E, h5km, Mw3.6 Best double couple: M3.3100x1014 NP1.9x227.0000, 828.00000, lambda-32.00000. NP2.9x346.00000, 72.00000, lambda-114.00000. IDC 25 02:53:23.1z2.4, 38°25'N, 144°49'E, h0km, mb3.5/3, mb1 3.7/4, mb1mx3/4.72, mbtmp3.5/4, ML3.4/1, Error ellipse: s-maj=48.4km s-min=36.7km az=68.0 ISCJ25 02:53:27.4z1.0, 38.477°N, 0.05:144.08E:0.07, h14km, mb3.5/3, Error ellipse: s-maj=8.7km s-min=6.1km az=37.4 JMA 25 02:53:30.0z0.2, 38°31'N, 143°55'E, h30km, M3.9 ISC 25 02:53:26.2z1.3, 38°34'N, 0°08:14.18E:0.08, h14km, n18, <2913.00, mb3.7/3, Off east coast of Honshu

Table with columns: JOM, Ohasama, 2.52 298 P, Pn, 02 54 08.4 +1.7, etc.

ISCJB 25 02:58:02.7±0.7, 12.3S:0.2±169.1E:0.2, h600km, mb4.0/10, Error ellipse: s-maj=28.3km s-min=13.2km az=42.9

IDC 25 02:58:04.8±1.8, 12.50S:169.18E, h619km, 21km, mb3.4/10, mb1 3.6/11, mb1mx3.2, 52, mbtmp4.3/11, Error ellipse: s-maj=36.1km s-min=15.4km az=142.0

ISC 25 02:58:03.3±0.7, 12.45S:0.2±169.1E:0.2, h600km, n13, r1504/16, mb4.0/10, Santa Cruz Islands region

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

CSEM 25 03:02:21.8±0.0, 44.85N:1.28E, h8km, ML 1.8/4 ROM 25 03:02:21.8±0.0, 44.85N:0.001±1.1278E:0.001, h8km, ML 1.8/2, 4C-3D, Northern Italy

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

Table with columns: MAGA, comp=N, 1.68um, 0.6s, AML, AML

IDC 25 03:09:03.3±7.1, 19.95S:178.77W, h558km, 82km, mb3.0/5, mb1 3.4/5, mb1mx3.0/43, mbtmp3.9/5, Error ellipse: s-maj=113.4km s-min=30.7km az=158.0, Fiji Islands region

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

IDC 25 03:11:34.2±0.9, 18.05N:93.27E, h0km, mb3.8/8, mb1 4.0/9, mb1mx3.6/65, mbtmp3.8/9, ML 3.8/1, MS3.0/1, Ms1 3.0/1, ms1mx2.3/66, Error ellipse: s-maj=48.6km s-min=19.1km az=45.0

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

SOME 25 03:20:38.7, 40.07N:77.28E, h5km KRNET 25 03:20:45.6±0.1, 40.39N:77.13E, h17km, mb3.1, NNC 25 03:20:48.9±1.2, 40.46N:77.19E, h0km, mb3.5, mpv3.2, Error ellipse: s-maj=11.2km s-min=7.0km az=144.0

ISC 25 03:20:45.0±1.4, 40.37N:0.06±77.11E:0.03, h10km, n46, r1447/75, 21C-10D, Kyrgyzstan-Xinjiang border region

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

Table with columns: AAA, Alma-Ata, 2.84 357 eP, Pb, 03 21 36.6 +0.7

IDC 25 03:34:33.1±2.0, 20.73S:179.33W, h0km, mb4.0/4, mb1 4.3/4, mb1mx3.7/49, mbtmp4.0/4, Error ellipse: s-maj=161.4km s-min=32.6km az=159.0, Fiji Islands region

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

MEX 25 03:50:18.1±0.6, 23.61N:109.82W, h4km, 8km, MD3.5 IDC 25 03:50:19.3±3.6, 23.71N:109.82W, h0km, mb3.3/2, mb1 3.9/4, mb1mx3.5/55, mbtmp3.4/4, ML-2.2, MS3.0/2, Ms1 3.0/2, ms1mx2.4/28, Error ellipse: s-maj=62.6km s-min=13.1km az=24.0

ISC 25 03:50:19.2±1.7, 23.6N:0.2±109.9W:0.1, h4km, n8, r06/69/9, Baja California

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

NIED 25 03:59:00.37±60N:141.180E, h53km, Mw4.4. Best double couple: M4.0900x1015; P11:1s193.0000; 341.0000; 7.50.0000; NP2:3s61.0000; 860.0000; A:119.0000; ISCJB 25 03:59:25.0±2.0, 37.57N:0.03±141.87E:0.03, h33km, mb4.5/64, MS3.6/8, Error ellipse: s-maj=4.0km s-min=3.0km az=162.4

BUI 25 03:59:26.6, 37.58N:141.77E, h59km, mb4.6/37, mb4.7/24, Ms4.4/16, Ms7.4/2/16, NEIC 25 03:59:27.4±0.7, 37.64N:141.59E, h39km, 6km, mb4.6/30, Error ellipse: s-maj=5.7km s-min=4.5km az=142.0, NEIC Recorded [2 JMA] in Fukushima and Miyagi, JMA 25 03:59:27.8±0.1, 37.58N:141.74E, h47km, 2km, M4.4





Table with columns: SIM, comp, pmax, pmax, and various alphanumeric codes and values.

Table with columns: BILL, comp, pmax, pmax, and various alphanumeric codes and values.

Table with columns: SUA, Susitna One, 44.85 344 eP, P, 04 09 50.6 +0.8, and various alphanumeric codes and values.



25d 4h

MSO	Missoula	53.46 312	P	P	04 10 56.1 +0.3
MSO	Missoula	53.46 312	eP	P	04 10 56.1 +0.3
GCMT	Greycliff	53.48 308	eP	P	04 10 56.6 +0.5
RSSD	Black Hills	53.70 303	eP	P	04 10 56.5 -1.3
RSSD	Black Hills	53.70 303	eP	P	04 10 56.5 -1.3
BLA	Blacksburg	53.70 279	P	P	04 10 57.2 -0.6
N39A	Derby Farms, D	53.72 291	P	P	04 10 57.0 -0.7
O41A	Pasleys Farm,	53.98 290	P	P	04 10 58.9 -0.7
GTA	Gaotai	54.02 73	eP	P	04 11 01.0 +0.9
GTA			pP	pP	04 11 05.3 +2.8
GTA			S	S	04 11 08.8 +5.4
GTA			sP	sP	04 18 41.5 +5.5
GTA			sS	sS	04 18 48.6 +8.6
GTA			pmax	pmax	
GTA	comp-Z,10.0nm,2.2s		pmax	pmax	
GTA	comp-Z,130nm,5.9s		LR	LR	
GTA	comp-Z,310nm,15.7s		LR	LR	
GTA	comp-Z,280nm,16.2s		LR	LR	
RLMT	Red Lodge	54.02 307	P	P	04 11 00.6 +0.5
RLMT	Red Lodge	54.02 307	eP	P	04 11 00.8 +0.6
P43A	Skaggs, Pawnee	54.05 288	P	P	04 10 59.4 -0.7
RAYN	Ar Rayn	54.10 133	eP	P	04 11 00.9 +0.2
BOZ	Bozeman (W)	54.12 310	P	P	04 11 00.3 -0.5
BOZ	Bozeman (W)	54.12 310	eP	P	04 11 00.4 -0.3
BOZ	Bozeman (W)	54.12 310	eP	P	04 11 00.4 -0.3
BOZ	Bozeman (W)	54.12 310	eP	P	04 11 00.4 -0.3
O40A	La Belle	54.25 290	P	P	04 11 00.6 -0.9
N36A	Muff Farm, Cla	54.45 293	P	P	04 11 02.4 -0.6
YHM	Holmes Hill	54.49 309	eP	P	04 11 05.9 +0.7
QLMT	Earthquake Lak	54.80 309	eP	P	04 11 06.6 +0.9
S48A	Wiedeman Farm,	54.91 284	eP	P	04 11 06.2 -0.3
F10A	Beach Ranch, E	54.98 314	eP	P	04 11 07.5 +0.6
Q42A	Golden Eagle	55.01 289	P	P	04 11 06.7 -0.4
H17A	Grant Village	55.01 308	P	P	04 11 09.3 +1.9
H17A	Grant Village	55.01 308	eP	P	04 11 09.4 +2.1
YFTA	Old Faithful	55.02 308	eP	P	04 11 10.0 +2.6
MCMT	McKenzie Canyo	55.12 310	eP	P	04 11 08.8 +0.7
Q41A	Truxton	55.16 289	P	P	04 11 07.3 -0.9
P38A	Dawn	55.17 292	P	P	04 11 06.9 -1.3
R44A	Waltonville	55.22 287	P	P	04 11 07.8 -0.8
Q40A	Laux Farm, Aux	55.36 290	P	P	04 11 08.8 -0.8
Q39A	Willow Grove F	55.56 291	P	P	04 11 09.9 -1.1
R42A	Luebbering	55.67 289	P	P	04 11 10.9 -1.0
K22A	Casper	55.70 304	P	P	04 11 11.5 -0.7
K22A	Casper	55.70 304	eP	P	04 11 11.6 -0.7
SIUC	Southern Hill	55.76 287	eP	P	04 11 16.3 +3.8
S44A	Carbondale	55.79 287	P	P	04 11 11.8 -0.9
Q38A	Cooks Store, C	55.81 292	P	P	04 11 11.9 -1.0
R41A	Rosebud	55.82 289	P	P	04 11 11.6 -1.3
FVM	French Village	55.84 288	eP	P	04 11 14.0 +0.9
FVM	French Village	55.84 288	eP	P	04 11 14.0 +0.9
HHC	Hu-ho-hao-te	55.86 62	eP	P	04 11 14.1 +0.8
HHC			S	S	04 18 58.4 -2.2
HHC			pmax	pmax	
HHC	comp-Z,8.0nm,0.7s		pmax	pmax	
HHC	comp-Z,47nm,5.2s		LR	LR	
HHC	comp-Z,180nm,16.3s		LR	LR	
HHC	comp-Z,130nm,16.5s		LR	LR	
KMSC	Kings Mountain	55.90 279	eP	P	04 11 13.1 -0.5
G08A	Pilot Rock	55.99 315	eP	P	04 11 15.8 +1.5
CCM	Cathedral Cave	56.00 289	eP	P	04 11 13.0 -1.3
CCM	Cathedral Cave	56.00 289	eP	P	04 11 11.8 -2.5
CCM	Cathedral Cave	56.00 289	eP	P	04 11 11.8 -2.5
BMO	Blue Mountains	56.07 314	eP	P	04 11 13.9 -0.9
BMO	Blue Mountains	56.07 314	eP	P	04 11 13.9 -0.9
R40A	Maddies Statio	56.07 290	P	P	04 11 13.4 -1.3
TKL	Tuckaleechee C	56.12 281	LR	LR	04 34 20.7
S43A	Fulton Ridge	56.13 288	P	P	04 11 14.4 -0.8
R39A	Chumby, Stover	56.26 291	P	P	04 11 15.2 -0.9
PDAR	Pinedale Array	56.31 307	eP	P	04 11 16.7 0.0
PDAR	Pinedale Array	56.31 307	eP	P	04 11 16.7 0.0
PDAR	Pinedale Array	56.31 307	eP	P	04 11 15.9 -0.9
BW06	Boulder Array	56.32 307	eP	P	04 11 16.6 -0.2
BW06	Boulder Array	56.32 307	eP	P	04 11 16.7 0.0
U47A	Clarksville	56.40 285	P	P	04 11 16.0 -1.1
CN2	Changchun	56.42 49	eP	P	04 11 18.8 +1.7
MDJ	Mudanjiang	56.53 45	P	P	04 11 16.6 -1.4
MDJ			pmax	pmax	
MDJ	comp-Z,8.0nm,0.8s		pmax	pmax	
S41A	Jilco Farms,	56.58 289	P	P	04 11 17.2 -1.2
R38A	Fenwick Farm,	56.62 291	P	P	04 11 17.4 -1.2
HLID	Halley	56.67 311	P	P	04 11 19.3 +0.1
S40A	Lebanon	56.78 290	P	P	04 11 18.8 -1.0
S39A	Bolivar	56.92 291	P	P	04 11 19.7 -1.1
T42A	Van Buren	56.92 288	P	P	04 11 19.6 -1.2
T41A	Mountain View	57.09 289	P	P	04 11 21.0 -1.1
MFID	Camas Ranch	57.12 312	eP	P	04 11 23.2 +0.9
S38A	Stockton	57.14 291	P	P	04 11 21.4 -1.0
T40A	Mansfield	57.20 290	P	P	04 11 22.0 -0.9

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N23A	Red Feather La	57.21 303	P	P	04 11 23.5 +0.3
V46A	Holladay	57.23 285	P	P	04 11 21.8 -1.3
USRK	Ussuriysk Ar.	57.42 43	LR	LR	04 37 46.0
J08A	Circle Bar Ran	57.74 314	eP	P	04 11 25.1 -1.6
HWUT	Hardware Ranch	57.88 308	eP	P	04 11 26.7 -1.1
U40A	Yellville	58.04 290	P	P	04 11 27.6 -1.1
GOGA	Godfrey	58.13 280	P	P	04 11 28.6 -0.8
ISCO	Idaho Springs	58.17 302	eP	P	04 11 29.8 -0.1
ISCO	Idaho Springs	58.17 302	eP	P	04 11 29.8 -0.1
LZH	Lanzhou	58.25 70	↑P	↑P	04 11 26.0 -4.4
LZH			sP	sP	04 11 33.3 -0.5
LZH			PP	PP	04 13 40.8 +1.9
LZH			SS	SS	04 19 28.6 -3.8
LZH			pmax	pmax	04 23 23.1 -0.2
LZH	comp-Z,22nm,0.9s		pmax	pmax	
LZH	comp-Z,190nm,4.9s		LR	LR	
LZH	comp-Z,840nm,17.6s		LR	LR	
LZH	comp-Z,790nm,17.4s		LR	LR	
Y50A	Piedmont	58.34 282	P	P	04 11 29.8 -1.0
V41A	Mountainview	58.38 289	P	P	04 11 30.1 -1.1
O20A	White River Ci	59.49 305	P	P	04 11 32.7 +0.6
V40A	Witts Springs	58.55 290	P	P	04 11 31.4 -1.0
V40A	Witts Springs	58.55 290	eP	P	04 11 31.5 -0.8
KOWA	Kowa	58.76 191	LR	LR	04 39 17.9
KOWA	Kowa	58.76 191	eP	P	04 11 37.7 -0.2
JLU	Jordanelle	58.81 308	eP	P	04 11 35.5 +1.1
W40A	Ferguson Farm,	59.19 289	P	P	04 11 36.1 -0.7
Z48A	Northport	59.34 284	P	P	04 11 37.9 +0.1
W39A	Magazine	59.39 290	P	P	04 11 37.6 -0.5
MPU	Maple Canyon	59.41 307	eP	P	04 11 40.0 +1.5
Y45A	Yeager Farm, C	59.45 286	P	P	04 11 37.4 -1.1
254A	Abbeville	59.45 279	P	P	04 11 37.9 -0.7
DUG	Dugway, Tooele	59.52 309	eP	P	04 11 38.8 -0.3
DUG	Dugway, Tooele	59.52 309	eP	P	04 11 38.8 -0.3
DUG	Dugway, Tooele	59.52 309	eP	P	04 11 38.8 -0.3
MOD	Modoc Plateau	59.52 315	eP	P	04 11 38.5 -0.6
NLU	North Lily Min	59.58 308	eP	P	04 11 41.4 +1.7
DANN	Dangsing	59.70 92	eP	P	04 11 40.4 -0.3
PYUN	Pyongyang	59.71 93	eP	P	04 11 40.4 -0.2
TOAO	Torodi Ar. Sit	59.87 184	eP	P	04 11 40.8 -0.9
TORD	Torodi Ar. Bea	59.87 184	P	P	04 11 40.7 -0.9
TORD	Torodi Ar. Bea	59.87 184	P	P	04 37 11.3
MIAR	Mount Ida	59.94 290	eP	P	04 11 41.5 -0.4
MIAR	Mount Ida	59.94 290	eP	P	04 11 41.5 -0.4
MIAR	Mount Ida	59.94 290	eP	P	04 11 41.5 -0.4
SDCO	Great Sand Dun	60.08 301	eP	P	04 11 43.1 -0.1
SDCO	Great Sand Dun	60.08 301	eP	P	04 11 42.5 -0.7
PV09	Paradox Valley	60.26 305	eP	P	04 11 45.4 +0.9
GKN	Gorkha	60.28 92	eP	P	04 11 44.1 -0.4
353A	Camilla	60.28 280	P	P	04 11 43.6 -0.6
S22A	4UR Ranch, Cre	60.41 303	P	P	04 11 46.2 +0.7
PV01	Paradox Valley	60.47 304	eP	P	04 11 46.9 +1.1
M02C	Callahan	60.53 317	P	P	04 11 46.7 +0.7
GUN	Gumba	60.73 90	eP	P	04 11 47.8 0.0
DMN	Daman	60.79 91	eP	P	04 11 47.7 -0.4
MSU	Marysval	60.97 307	eP	P	04 11 50.6 +1.4
MSU	Marysval	60.97 307	eP	P	04 11 50.6 +1.4
JIRN	Jiri	61.06 90	eP	P	04 11 49.5 -0.6
WMOK	Wichita Mounta	61.18 294	eP	P	04 11 49.8 -0.6
WMOK	Wichita Mounta	61.18 294	eP	P	04 11 49.8 -0.6
WMOK	Wichita Mounta	61.18 294	eP	P	04 11 49.8 -0.6
MVCO	Mesa Verde	61.33 304	eP	P	04 11 52.5 +0.8
MVCO	Mesa Verde	61.33 304	eP	P	04 11 52.5 +0.8
PSUT	Pine Spring	61.34 309	eP	P	04 11 53.3 +1.7
XAN	Xi'an	61.57 67	P	P	04 11 53.0 -0.1
XAN			sP	sP	04 12 01.4 +5.0
XAN			pmax	pmax	
XAN	comp-Z,7.0nm,2.1s		pmax	pmax	
XAN	comp-Z,210nm,5.2s		LR	LR	
XAN	comp-Z,660nm,17.7s		LR	LR	
XAN	comp-Z,360nm,15.7s		LR	LR	
R11A	Troy Canyon, C	61.91 310	eP	P	04 11 56.0 +0.5
NV01	Mina Array Sit	62.43 313	eP	P	04 11 59.4 +0.4
NVAR	Mina Array Bea	62.43 313	P	P	04 11 58.8 -0.2
LCMT	Little Creek M	62.65 308	eP	P	04 12 02.2 +1.8
MSTX	Mutshoe	62.96 298	eP	P	04 12 03.0 +0.5
ANMO	Albuquerque	62.98 301	LR	LR	04 39 27.2
ANMO	Albuquerque	62.98 301	eP	P	04 12 03.1 +0.4
ANMO	Albuquerque	62.98 301	eP	P	04 12 01.4 -1.3
ANMO	Albuquerque	62.98 301	eP	P	04 12 03.0 +0.3
ANMO	Albuquerque	62.98 301	eP	P	04 12 03.0 +0.3
KS01	Wonju Array Si	63.00 49	eP	P	04 12 04.7 +2.1
KSRS	Korea Array	63.03 49	LR	LR	04 43 07.9
SHPR	Sheep Range	63.52 309	eP	P	04 12 08.3 +1.7
W18A	Petrified Fore	63.62 304	P	P	04 12 07.0 0.0
BNZ	Bradron	63.66 302	eP	P	04 12 07.8 +0.6
LAM	Ladron	63.78 301	eP	P	04 12 08.6 +0.6
TJN	Taejon	63.94 50	eP	P	04 12 08.5 -0.2
ATD	Arta Tunnel	65.21 139	LR	LR	04 40 45.9
GMRC	Granite Mounta	65.34 309	P	P	04 12 18.6 +0.5
JCT	Junction City	65.48 294	P	P	04 12 18.6 -0.3
MNTX	Cornudas Mount	65.79 299	P	P	04 12 20.4 -0.5
MJAR	Matsushiro Arr	66.04 40	P	P	04 12 21.9 -0.5
MJAR	Matsushiro Arr	66.04 40	P	P	04 42 52.5

1592

NJ2	Nanjing	66.04 59	P	P	04 12 23.4 +0.9
NJ2			pmax	pmax	
WHN	Wuhan	66.32 63	eP	P	04 12 27.6 +3.3
TUC	Tucson	66.56 304	P	P	04 12 26.5 +0.6
TUC	Tucson	66.56 304	eP	P	04 12 24.9 -1.0
TUC	Tucson	66.56 304	eP	P	04 12 24.9 -1.0
DBIC	Dimbokro	66.57 191	LR	LR	04 45 28.1
SCZ2	Suez Canal Isl	66.98 311	P	P	04 12 27.9 -0.7
CIS	Catalina Islan	67.29 312	P	P	04 12 30.3 -0.2
TX31	Lajitas Ar. Si	67.59 297	eP	P	04 12 33.2 +0.7
TXAR	Lajitas Array	67.59 297	P	P	04 12 31.8 -0.7
TXAR			LR	LR	04 42 03.7
JNU	Nakatsue	67.84 48	LR	LR	04 48 55.4
GYA	Guiyang	68.11 71	P	P	04 12 38.0 +2.1
GYA			PP	PP	04 15 10.3 +4.7
GYA			S	S	04 21 36.6 +0.9
GYA			SKS	SKS	04 21 32.2 -2.2
GYA	</				















Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like PV07 Paradox Valley, N23A Red Feather La, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like TX31 Lajitas Ar. Si, TXAR Lajitas Array, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like SJG San Juan, WRA Warramunga Arr, etc.

IDC 25 06:56:24.5:8.8,24:41S:179:54W,h445km,83km,mb3.6/7, mb1 3.7/8, mb1mx3.2/52, mbtmp4.5/8, Error ellipse: s-maj=65.3km s-min=17.3km az=47.0, Lobe: 25 06:56:29.4:3.5,24:35S:0:14:179:0W:0:1.4,h490km,mb4.0/6, Error ellipse: s-maj=69.9km s-min=19.3km az=138.0, ISC 25 06:56:30.4:1.6,24:7S:0:2:179:5W:0.2,h490km,n12, c059411,mb4.2/6,South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like URZ Urewera, RPZ Rata Peaks, etc.

IDC 25 06:57:44.1:1.9,3:37N:128:19E,h0km,mb3.8/3, mb1 3.9/3, mb1mx3.4/63, mbtmp3.8/3, Error ellipse: s-maj=158.6km s-min=24.4km az=65.0, North of Halmahera

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like WRA Warramunga Arr, STKA Stephens Creek, etc.

IGQ 25 06:58:59.2:0.7,1°N:5:7°9W, h12km,MLV4.5/9, IDC 25 06:59:07.5:6.2,0:66N:78:96W,h112km,62km,mb3.1/4, mb1 3.3/6, mb1mx3.1/48, mbtmp3.5/6, MS2.9.5, Ms1 3.0/5, ms1mx2.6/19, Error ellipse: s-maj=51.5km s-min=16.0km az=73.0, ISC 25 06:58:55.9:1.7,0:58N:0:03:79:37W:0:05,h11km,n11km, n65,c122/67,mb3.3/4,1C,Near coast of Ecuador

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like MAG1 Magdalena, ASDO Santo Domingo, etc.

25d 7h

comp=2.0,1nm,0.6s,baz=142,slow=6.4,SNR=4.1
WRA Warramunga Arr 141.81 238 PKP PKPdf 07 18 27.9 -0.9
comp=2.0,7nm,0.9s,baz=118,slow=2.3,SNR=3.4

CSEM 25 07 01 28.4 0.7, 35.50N, 27.88E, h2km, ML2.7, Error
ellipse: s-maj=16.1km s-min=6.3km az=145.0
THE 25 07 01 28.1, 35.62N, 27.86E, h2km, ML2.6/3, Error
ellipse: s-maj=1.8km s-min=0.4km az=136.0
ATH 25 07 01 29.4, 35.54N, 27.82E, h2km, ML2.7/5, Error
ellipse: s-maj=7.2km s-min=2.6km az=323.0
DDA 25 07 02 24.8, 35.51N, 27.80E, h2km, ML2.9
ISC 25 07 01 28.4 1.3, 35.54N, 0.05, 27.90E, 1.0, h13km, 1.0km,
n30, r1942/47, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Rows include KARP Karpathos, ARG Arkhangelos, TUR Turunc, etc.

IDC 25 07 01 51.1, 2.8, 5.63N, 124.72E, h0km, mb4.2/4,
mb1 4.4/4, mb1mx3.6/65, mbtmp2.4/4, Error ellipse:
s-maj=92.4km s-min=18.1km az=102.0
MAN 25 07 01 57.2, 5.70N, 125.70E, h4km, mb4.7, ML3.6, MS3.6
ISCJB 25 07 01 58.4, 0.7, 5.74N, 0.06, 125.63E, 0.09, h62km,
mb4.0/4, Error ellipse: s-maj=13.6km s-min=6.6km
az=157.3

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Rows include DAV Davao City (W), DMPH Davao City (M), etc.

IDC 25 07 24:45.0 1.1, 0.2, 18N, 94.11E, h0km, mb3.6/2,
mb1 3.6/3, mb1mx3.3/70, mbtmp3.6/3, ML4.4/1, Error
ellipse: s-maj=229.1km s-min=120.5km az=151.0, Off
west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Rows include CMAR Chiang Mai Arr, H08S2 Diego Garcia H, etc.

Table with columns: HOLB Holberg, BPBC Brooks Peninsula, PHC Port Hardy, etc. Rows include HOLB Holberg, BPBC Brooks Peninsula, PHC Port Hardy, etc.

Table with columns: WISH Wiskahk, LLLB Lillooet, HDW Hoodspout, etc. Rows include WISH Wiskahk, LLLB Lillooet, HDW Hoodspout, etc.

Table with columns: CMAR Chiang Mai Arr, H08S2 Diego Garcia H, H08S1 Diego Garcia H, etc. Rows include CMAR Chiang Mai Arr, H08S2 Diego Garcia H, H08S1 Diego Garcia H, etc.

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Table with columns: BMO Blue Mountains, BHMT Big Hole Peak, BHMT Big Hole Peak, etc. Rows include BMO Blue Mountains, BHMT Big Hole Peak, BHMT Big Hole Peak, etc.

N23A	Red Feather La	19.17 110	P	Pn	07 30 46.8 +0.3
N23A	Red Feather La	19.17 110	eP	Pn	07 30 48.1 +1.6
BELC	Belle Mtn. Jos	19.20 142	P	Pn	07 30 49.3 +2.6
PV07	Paradox Valley	19.20 120	eP	Pn	07 30 47.2 +0.4
PV05	Paradox Valley	19.21 121	eP	Pn	07 30 48.6 +1.7
PV15	Paradox Valley	19.36 120	eP	Pn	07 30 49.4 +0.6
PV01	Paradox Valley	19.46 120	eP	Pn	07 30 51.2 +1.2
SMCO	Snowmass	19.65 115	eP	Pn	07 30 52.8 +0.4
IM3	Indian Mountai	19.96 331	eP	Pn	07 30 54.6 +0.9
Y12C	Blythe	20.01 140	eP	Pn	07 30 57.0 +0.8
Y12C	Blythe	20.01 140	eP	Pn	07 30 56.5 +0.3
MONP2	Monument Peak	20.02 145	P	Pn	07 30 57.5 +1.0
ISCO	Idaho Springs	20.05 112	eP	Pn	07 30 56.4 -0.6
ISCO	Idaho Springs	20.05 112	eP	Pn	07 30 56.5 -0.5
MVCO	Mesa Verde	20.17 122	P	Pn	07 30 57.5 -0.8
MVCO	Mesa Verde	20.17 122	eP	Pn	07 30 57.6 -0.7
IKP	In-Ko-Pah, Jac	20.35 144	P	Pn	07 31 01.2 +0.9
GLA	Glamis	20.49 141	P	Pn	07 31 02.7 +0.8
S22A	4UR Ranch, Cre	20.71 118	P	Pn	07 31 04.1 -0.7
S22A	4UR Ranch, Cre	20.71 118	eP	Pn	07 31 04.1 -0.6
Q24A	Divide	20.86 113	P	Pn	07 31 05.9 -0.6
Q24A	Divide	20.86 113	eP	Pn	07 31 05.2 -1.3
B31A	Greenbush Farm	21.07 82	P	P	07 31 05.8 +0.2
W18A	Petrified Fore	21.10 128	eP	P	07 31 08.6 +2.2
C31A	Landman Farms,	21.21 84	P	P	07 31 07.7 +0.5
SDCO	Great Sand Dun	21.47 116	P	P	07 31 11.2 +0.8
SDCO	Great Sand Dun	21.47 116	eP	P	07 31 11.8 +1.3
E31A	Norne	21.53 87	P	P	07 31 11.6 +0.9
OGNE	Ogallala	21.54 105	eP	P	07 31 12.7 +1.8
F31A	Hecla	21.56 89	P	P	07 31 11.9 +0.8
A32A	Rocking H Ranc	21.66 80	P	P	07 31 14.0 +1.9
ULM	Lac du Bonnet	21.71 77	P	P	07 31 13.7 +1.2
ULM	Lac du Bonnet	21.71 77	eP	Pn	07 31 12.4 -0.1
ULM	Lac du Bonnet	21.71 77	eP	Pn	07 31 14.1 +1.5
B32A	Ashes Strandq	21.78 82	P	P	07 31 14.6 +1.2
H31A	Wolsey	22.00 93	P	P	07 31 17.2 +1.5
AGMN	Agassiz Nation	22.24 82	eP	P	07 31 18.9 +0.7
AGMN	Agassiz Nation	22.24 82	eP	P	07 31 23.1 +4.8
F32A	Veblen	22.28 89	P	P	07 31 20.0 +1.2
FCC	Fort Churchill	22.29 54	Pn	P	07 31 17.8 -0.8
FCC	Fort Churchill	22.29 54	eP	Pn	07 31 20.3 +1.7
KSCO	Kaye Shedlock	22.34 110	P	P	07 31 21.2 +1.6
KSCO	Kaye Shedlock	22.34 110	eP	Pn	07 31 21.2 +1.6
A33A	Warroad	22.35 80	P	P	07 31 20.6 +1.1
B33A	Robert and Kas	22.42 82	P	P	07 31 22.1 +1.9
T25A	Trinidad	22.52 116	P	P	07 31 23.1 +1.5
T25A	Trinidad	22.52 116	eP	Pn	07 31 23.1 +1.5
H32A	Carlson Farm,	22.66 92	P	P	07 31 23.7 +1.0
E33A	Westby DABS, E	22.76 86	P	P	07 31 24.2 +0.4
F33A	5 Mile Ranch,	22.83 88	P	P	07 31 24.1 -0.5
TUC	Tucson	22.88 134	P	P	07 31 26.4 +1.2
TUC	Tucson	22.88 134	eP	Pn	07 31 28.3 +3.1
ANMO	Albuquerque	22.95 123	P	P	07 31 27.8 +1.6
ANMO	Albuquerque	22.95 123	eP	Pn	07 40 56.1
ANMO	Albuquerque	22.95 123	eP	Pn	07 31 28.3 +2.2
ANMO	Albuquerque	22.95 123	eP	Pn	07 31 28.8 +2.7
G33A	Ortonville	23.00 90	P	P	07 31 26.6 +0.2
LZL	Ladron	23.00 125	eP	Pn	07 31 31.1 +4.5
H34A	Prehn Over Nor	23.02 91	P	P	07 31 26.0 -0.6
E34A	Wadena	23.29 86	P	P	07 31 30.3 +1.0
BNN	Barren Site	23.46 124	eP	Pn	07 31 33.6 +2.3
G34A	Benson	23.49 89	P	P	07 31 32.6 +1.3
F34A	Alexandria	23.51 87	P	P	07 31 32.9 +1.5
ECSD	EROS Data Cent	23.53 93	P	P	07 31 32.3 +0.6
ECSD	EROS Data Cent	23.53 93	eP	Pn	07 31 34.1 +2.5
C35A	Jirik Farms, M	23.63 82	P	P	07 31 33.0 +0.5
H34A	Spellman Lake,	23.65 90	P	P	07 31 33.6 +0.9
BGNE	Belgrade	23.72 100	eP	Pn	07 31 35.6 +2.1
D35A	Remer	23.80 84	P	P	07 31 34.6 +0.5
121A	Cookes Peak, D	24.14 129	P	P	07 31 39.1 +1.5
CBKS	Cedar Bluff	24.23 106	P	P	07 31 39.0 +0.8
H35A	Sunnyside Ranc	24.24 90	P	P	07 31 39.1 +0.8
F36A	Milaca	24.60 86	P	P	07 31 42.3 +0.8
EYMN	Ely	25.12 80	P	P	07 31 46.6 +0.3
J36A	Seneca 1, Swea	25.18 92	P	P	07 31 47.6 +0.8
F37A	Hinrichs Farm,	25.23 86	P	P	07 31 47.9 +0.7
SPMN	Marine on St.	25.32 87	P	P	07 31 48.5 +0.4
K36A	Gilmore City	25.45 94	P	P	07 31 49.4 +0.1
F38A	Pierce - Schro	25.61 85	P	P	07 31 50.2 -0.5
AMTX	Amarillo	25.67 116	P	P	07 31 53.1 +1.6
AMTX	Amarillo	25.67 116	eP	Pn	07 31 52.8 +1.4
AMTX	Redenius Farm,	25.70 91	P	P	07 31 51.9 +0.4
MSTX	Muleshoe	25.71 119	eP	Pn	07 31 53.9 +2.1
M36A	Felix, Anita	25.83 96	P	P	07 31 53.4 +0.7
K37A	Belmond	25.90 93	P	P	07 31 53.5 +0.1
G38A	Ridgeland	25.95 86	P	P	07 31 53.7 -0.1

KSU1	Kansas State U	26.00 102	P	P	07 31 55.5 +1.2
KSU1	Kansas State U	26.00 102	eP	Pn	07 31 55.6 +1.3
MNTX	Cornudas Mount	26.03 126	P	P	07 31 56.4 +1.8
MNTX	Cornudas Mount	26.03 126	eP	Pn	07 31 56.8 +2.2
C39A	Grand Marais	26.03 80	P	P	07 31 54.1 -0.4
I38A	Scanlan Farm,	26.14 89	P	P	07 31 55.6 0.0
J38A	Wedel Dairy, R	26.38 91	P	P	07 31 57.7 0.0
H39A	Augusta	26.53 87	P	P	07 31 58.8 -0.2
L38A	Oak Wood Farm,	26.65 93	P	P	07 32 00.5 +0.4
I39A	Houston	26.75 89	P	P	07 32 01.5 +0.6
F40A	Park Falls	26.75 84	P	P	07 32 00.8 -0.2
J39A	Decorah	26.80 90	P	P	07 32 02.9 +0.8
M38A	Pleasantville	26.87 95	P	P	07 32 03.0 +0.9
L39A	Vinton	27.28 93	P	P	07 32 06.9 +1.1
N39A	Derby Farms, D	27.60 95	P	P	07 32 09.1 +0.4
P38A	Augusta	27.64 98	P	P	07 32 09.3 +0.3
Q38A	Cooks Store, C	27.97 100	P	P	07 32 12.0 +0.1
P39B	Salisbury	28.21 98	P	P	07 32 14.3 +0.2
Q39A	Willow Grove F	28.32 99	P	P	07 32 15.5 +0.3
TUL1	Leonard	28.50 107	P	P	07 32 17.4 +0.7
TUL1	Leonard	28.50 107	eP	Pn	07 32 18.1 +1.4
RES	Resolute Bay	28.53 19	LR	LR	07 43 33.8
TX31	Lajitas Ar. Si	28.80 127	eP	Pn	07 32 21.8 +2.2
TXAR	Lajitas Array	28.80 127	P	P	07 32 20.5 +1.0
TXAR	Lajitas Array	28.80 127	LR	LR	07 44 28.7
J43A	Natural Harves	28.96 87	P	P	07 32 21.3 +0.5
T40A	Manfield	29.75 102	P	P	07 32 28.6 +0.8
V39A	Pettigrew	29.87 105	P	P	07 32 29.4 +0.5
S41A	Jillco Farms,	29.97 100	P	P	07 32 30.3 +0.6
JCT	Junction City	29.98 120	P	P	07 32 31.7 +1.7
U40A	Yellville	30.03 103	P	P	07 32 30.6 +0.3
LP1G	La Paz	30.24 142	LR	LR	07 43 40.6
Q43A	New Downs	30.47 96	P	P	07 32 35.2 +1.1
U41A	Viola	30.62 102	P	P	07 32 35.6 +0.1
MIAR	Mount Ida	30.76 107	P	P	07 32 37.5 +0.8
MIAR	Mount Ida	30.76 107	eP	Pn	07 32 38.4 +1.7
V41A	Mountainview	30.83 103	P	P	07 32 37.5 +0.2
S43A	Fulton Ridge,	31.04 99	P	P	07 32 38.9 +0.2
V47A	Nurelly	33.72 99	P	P	07 33 02.7 -0.1
TKL	Tuckaleechee C	36.22 96	LR	LR	07 48 35.4
250A	Gray	37.41 103	P	P	07 33 32.1 +1.1
251A	Midway	37.08 102	P	P	07 33 34.5 -0.4
SCHO	Schefferville	37.53 58	LR	LR	07 48 33.3
GOGA	Godfrey	37.84 98	P	P	07 33 38.2 +0.3
PETK	Petropavlovsk-	43.19 303	P	P	07 34 21.2 -0.8
PETK	Petropavlovsk-	43.19 303	LR	LR	07 49 35.6
TIXI	Tiksi	46.55 335	LR	LR	07 57 07.8
SPITS	Spitsbergen Ar	50.23 9	LR	LR	07 57 39.4
BORG	Borgarnes	52.83 31	LR	LR	07 58 06.5
JTS	JuntasAbangare	54.35 121	LR	LR	08 08 42.7
H112	WAKE ISLAND Hy	57.94 262	T	T	08 38 40.2
H113	WAKE ISLAND Hy	57.94 262	T	T	08 38 42.6
H111	WAKE ISLAND Hy	57.96 262	T	T	08 38 43.7
H11S1	WAKE ISLAND Hy	58.97 262	T	T	08 40 07.2
H11S2	WAKE ISLAND Hy	58.98 262	T	T	08 40 17.0
H11S3	WAKE ISLAND Hy	58.99 262	T	T	08 40 15.6
SDV	San Domingo	63.82 109	LR	LR	08 08 51.8
MJAR	Matsushiro Arr	64.02 296	LR	LR	07 59 21.0
ROSC	El Rosal	64.83 115	LR	LR	07 38 35.7
FINES	FINES Array B	67.04 12	P	P	07 37 13.9 +0.1
KSR5	Korea Array	69.08 304	LR	LR	08 05 33.4
JNU	Nakatsue	70.66 299	LR	LR	08 04 36.3
HHC	Hu-ho-hao-te	74.50 316	eP	Pn	07 38 02.0 +2.3
KURK	Kurchatov	75.52 342	P	P	07 38 10.9 0.0
GUMG	Gumbo	76.60 275	LR	LR	08 03 48.3
KURB	Kurchatov Arra	76.62 342	P	P	07 38 10.9 -0.6
AKAS	AKAS Array	77.90 13	P	P	07 38 19.6 +0.9
MJAR	Makanchi Array	79.41 338	P	P	07 38 27.0 -0.1
WMQ	Urumqi	80.74 333	eP	Pn	07 38 36.3 +3.9
LZH	Lanzhou	81.81 319	eP	Pn	07 38 42.0 +1.6
LZH	Lanzhou	81.81 319	eP	Pn	07 38 46.3 +0.2
LZH	Lanzhou	81.81 319	eP	Pn	07 38 49.0 -1.0
LZH	Lanzhou	81.81 319	eP	Pn	07 41 47.8 +0.8
LPAZ	La Paz	85.56 122	LR	LR	08 22 03.9
CD2	Chengdu	86.26 316	P	P	07 39 04.5 +1.5
KSH	Kashi	87.76 340	P	P	07 39 10.0 -0.2
KSH	Kashi	87.76 340	eP	Pn	07 39 19.8 -0.1
KSH	Kashi	87.76 340	eP	Pn	07 42 37.5 +2.4
KSH	Kashi	87.76 340	eP	Pn	07 49 46.8 -3.7

ms1mx2.3/39, Error ellipse: s-maj=75.1km s-min=10.4km  
az=69.0

ISC 25 07:26:59.2±1.1, 35:62N, 0:06:139.95E, 0:08, h37km, m19, c117/16, mb3.7/4, 3C-2D, Near south coast of eastern Honshu

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
					h	m	s
TOK	Tokyo	1.17	294	Op	ISC	07 27 28.4	2.5
JOD2	Odawara 2	0.79	244	IP	Pn	07 27 13.9 +0.1	
JOD2	Odawara 2	0.79	244	IP	Sn	07 27 24.8 +0.4	
JAG	Ashikaga	0.90	333	IP	Pn	07 27 15.2 -0.2	
B503	Boso 3	0.93	151	IP	Pn	07 27 16.7 +1.2	
B503	Boso 3	0.93	151	IP	Pn	07 27 31.0	
JRY	Ryogami san	0.94	295	IP	Pn	07 27 15.9 +0.1	
JYN	Shimob	1.16	284	IP	Pn	07 27 19.1 +0.2	
JKT	Katashina	1.28	334	IP	Pn	07 27 21.0 +0.4	
MJAR	Matsushiro Arr	1.69	304	P	Pn	07 27 26.9 +0.8	
MAT	Matsushiro	1.69	304	P	Pn	07 27 27.4 +1.2	
MAT	Matsushiro	1.69	304	P	Sn	07 27 49.4 +2.8	
JHJ	Hachiojima 2	2.50	183	P	Pn	07 27 37.9 +0.6	
JHJ	Hachiojima 2	2.50	183	P	Sn	07 28 06.7 +0.2	
KSR5	Korea Array	9.85	284	LR	LR	07 33 17.5	
H11N2	WAKE ISLAND Hy	28.50 117	T	T	08 02 35.6		
H11N1	WAKE ISLAND Hy	28.51 117	T	T	08 02 37.2		
H11N3	WAKE ISLAND Hy	28.52 117	T	T	08 02 36.2		
MJAR	Matsushiro Arr	43.89	303	P	P	07 35 01.8 -0.2	
KURB	Kurchatov Arra	45.96	309	P	P	07 35 16.1 -2.2	
WRA	Warramunga Arr	55.51	186	P	P	07 36 29.8 -0.8	
ASAR	Alice Springs	59.24	186	P	P	07 36 57.1 +0.3	
GEYT							

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like H01W1 Cape Leeuwin H, H01W2 Cape Leeuwin H, H01W3 Cape Leeuwin H, etc.

ATH 25 08:17:50.6, 35:35N, 27:95E, h20km, 2km, ML3.5/3, Error ellipse: s-maj=3.9km s-min=1.2km az=336.0

DDA 25 08:17:50.9, 35:42N, 27:91E, h21km, ML3.6, Error ellipse: s-maj=5.0km s-min=1.5km az=339.0

ISCJB 25 08:17:52.0, 35:39N, 27:92E, 0.02, h21km, 6km, mb3.4/5, MS2.8/1, Error ellipse: s-maj=5.9km s-min=3.6km az=168.1

THE 25 08:17:52.2, 35:49N, 27:82E, h0km, ML3.5/4, Error ellipse: s-maj=1.5km s-min=0.5km az=147.0

ISK 25 08:17:53.5, 35:51N, 27:78E, h19km, ML3.5/14, Error ellipse: s-maj=6.6km s-min=3.1km az=163.0

CSEM 25 08:17:53.0, 35:49N, 27:86E, h10km, ML3.5, Error ellipse: s-maj=6.6km s-min=3.1km az=163.0

IDC 25 08:17:54.5, 35:51N, 27:87E, h20km, 49km, mb3.4/5, ms1.3/5.9, mb1mx2.3, 3.90, mbtmp3.5/9, ML3.5/4, MS2.9/1, Ms1.2.9/1, ms1mx2.1/3.9, Error ellipse: s-maj=2.8km s-min=1.5km az=165.0

ISC 25 08:17:52.2, 1.1, 35.44N, 27.90E, 0.02, h21km, 8km, n130, 0.1817/156, mb3.4/5, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like KARP Karpathos, ARG Arkhangelos, ZKR Zakros, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like GCAM G?zelcaml?, GCAM G?zelcaml?, GCAM G?zelcaml?, etc.

CSEM 25 08:18:05.0, 35:65N, 25:76E, h2km, ML1.4, Error ellipse: s-maj=6.2km s-min=4.8km az=140.0, Mining explosion.

UPP 25 08:18:07.3, 65:13N, 25:45E, h0km, ML1.4, Suspected Mining explosion.

HEL 25 08:18:05.7, 65:10N, 25:67E, h0km, ML1.4, Explosion, Finland

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like OUL Oulu, OUF Merijarvi, TOF Tornio, etc.

ISCJB 25 08:18:16.2, 0.5, 72:93N, 0.05, 6E, 0.2, h1km, mb3.6/9, MS3.2/20, Error ellipse: s-maj=10.0km s-min=6.2km

az=157.9, IDC 25 08:18:16.9, 0.6, 72:82N, 0.5, 18E, h0km, mb3.7/9, mb1.3/8.15, mb1mx3.6/7.5, mbtmp3.7/15, ML3.5/6, MS3.3/26, Ms1.3/3.26, ms1mx3.0/7.0, Error ellipse: s-maj=21.7km s-min=11.5km az=52.0

NAO 25 08:18:16.5, 2.5, 72:86N, 0.5, 38E, ML3.3, BER 25 08:18:19.3, 3.3, 72:94N, 0.5, 16E, h10km, ML2.6, ML3.3(N/AO)

ISC 25 08:18:18.2, 0.6, 72:83N, 0.06, 5.61E, 0.08, h11km, n55, 0.1944/42, mb3.6/9, MS3.6/9, 20, Norwegian Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like HSPB Hornsund, SPA0 Spitsbergen Ar, SPA1 Spitsbergen Ar, etc.

ISCJB 25 09:00:29.0, 0.7, 64:68N, 0.03, 30.24E, 0.09, h0km, Error ellipse: s-maj=5.9km s-min=4.3km az=169.9

CSEM 25 09:00:30.0, 0.4, 64:65N, 30.68E, h0km, ML2.0, Mining explosion.

HEL 25 09:00:30.0, 0.1, 64:65N, 30.68E, h0km, ML2.0, Explosion



IDC 25 09:00:30.4, 3.1, 64.65N, 31.33E, h0km, mb1 3.1/4, mb1mx2.9/70, mbtmp3.0/4, ML2.5/4, Error ellipse: s-maj=44.1km s-min=11.7km az=101.0

ISC 25 09:00:29.7, 1.2, 64.76N, 0.03, 30.71E, 0.06, h0km, n36, 1540/57, Finland-Karelia border region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Riikki, Maaselka, Joensuu, Oulu, Merijarvi, Rovaniemi, Tornio, Vario, Sodankyl, Kalix, Keuruu, FINESS Array S, FINESS Array B, Ylistaro, VAF, ERTU, ERTSJAERV, BURVIK, VJF, HFS, NOA, etc.

ISCJB 25 09:07:52.9, 1.2, 67.73N, 0.06, 34.4E, 0.2, h0km, Error ellipse: s-maj=9.5km s-min=7.0km az=35.6

HEL 25 09:07:55.2, 0.6, 67.70N, 34.38E, h0km, ML2.2, Explosion KOLA 25 09:07:56.7, 67.70N, 34.19E, h0km

CSEM 25 09:07:57.0, 1.1, 67.51N, 33.79E, h2km, ML2.2, Error ellipse: s-maj=18.8km s-min=10.2km az=82.0, Mining explosion.

NAO 25 09:07:59.4, 1.9, 67.65N, 33.56E, ML2.5

ISC 25 09:07:53.5, 1.6, 67.61N, 0.04, 34.40E, 0.08, h0km, n24, 1541/38, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Apatity, Vario, Riikki, Maaselka, Sodankyl, Rovaniemi, ARCESS Array S, ARAO, VITINEIKA, etc.

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Table with columns: Station Name, Time, Res, Pn, Sg, Pg, AML, AML. Includes stations like MAIM Mastiano, PANI Panarotta, RNI Roncone, etc.

Table with columns: CDF, Station Name, Time, Res, Pn, Sg, Pg, AML, AML. Includes stations like Champ du Feu, KHC Kasperke Hory, etc.

MEX 25 10:00:32.4-0.5, 15.27N-93.15W, h89km, 6km, MD3.7, Near coast of Chiapas

Table with columns: Code, Station Name, Time, Res, Pn, Sg, Pg, AML, AML. Includes stations like PCIG Comitan, CCIG Comitan, etc.

CSEM 25 10:00:51.3, 44.84N-11.21E, h9km, ML2.5/8, ROM 25 10:00:51.3-0.1, 44.84N, 0.003-11.213E, 0.003, h9km, ML2.5/1, 3C-4D, Northern Italy

Table with columns: Code, Station Name, Time, Res, Pn, Sg, Pg, AML, AML. Includes stations like T0800 Massa Finalese, T0802 Casumar (Bond), etc.

PRU 25 10:31:22.0, 44.82N-11.47E, h0km, ISCJB 25 10:31:22.5, 0.2, 44.81N, 0.01, 11.24E, h21km, 1km, mb4.07, MS2.9/1, Error ellipse: s-maj=2.4km s-min=1.7km az=166.1

CSEM 25 10:31:22.9, 0.1, 44.88N-11.25E, h10km, ML4.1/25, Error ellipse: s-maj=2.1km s-min=1.6km az=149.0, BEO 25 10:31:22.9, 0.9, 44.80N-11.18E, h10km, 6km, LDG 25 10:31:22.3, 0.2, 44.82N-11.39E, h2km, ML3.8/16, Error ellipse: s-maj=4.1km s-min=3.1km az=72.0

ROM 25 10:31:22.7, 0.0, 44.84N, 0.001-11.222E, 0.001, h9km, ML3.9/59, STR 25 10:31:22.9, 1.6, 45.15N-5.11E, 1.5, h5km, M4.2/13, m4.2/1, ML4.3/13, IASPEI 25 10:31:23.0, 0.8, 44.85N, 0.01, 11.23E, 0.02, h13km, 3km, mb4.07, Error ellipse: s-maj=2.4km s-min=2.2km az=101.0, G75 selection from ISC bulletin G75 identified by Bond jr and McLaughlin (2009) selection criteria Bond jr and McLaughlin, A new ground truth data set for seismic studies, <i>Seism. Res. Let.</i>, <b>80</b>, 465-472, 2009

IDC 25 10:31:24.2, 3.0, 44.83N-11.35E, h20km, 17km, mb3.9/7, mb1.3.9/12, mb1mx3.5/71, mbtmp3.8/12, ML3.9/5, MS2.6/5, Ms1.2.6/5, ms1mx2.3/63, Error ellipse: s-maj=24.8km s-min=15.6km az=137.0

ISC 25 10:31:23.0, 0.6, 44.86N, 0.01, 11.24E, 0.01, h14km, 3km, #422, #37/494, mb4.07, 42C-40D, Northern Italy

Table with columns: Code, Station Name, Time, Res, Pn, Sg, Pg, AML, AML. Includes stations like T0800 Massa Finalese, T0813 Massa Finalese, etc.

Table with columns: Station Name, Time, Res, Pn, Sg, Pg, AML, AML. Includes stations like SERM comp=E,2520um,0.7s, T0818 Loc. Fossa, Co, T0814 Loc. Cortile, etc.







NEIC Felt in Elazig and Malatya.  
 ISK 25 11:22:39.0, 38.13N, 38.61E, h3km, ML4.5/49  
 IDK 25 11:22:40.0, 38.13N, 38.57E, h0km, mb4.0/1.3  
 mb1 4.1/22, mb1mx3.6/66, mbtmp4.0/22, ML3.8/8, MS3.4/30,  
 Ms1 3.4/30, ms1mx3.3/65, Error ellipse: s-maj=11.6km  
 s-min=9.2km az=161.0  
 BUJ 25 11:22:39.8, 38.30N, 38.24E, h16km, mb4.7/12, mb4.7/7,  
 Ms4.0/4, Ms7.3/9.4  
 DDA 25 11:22:39.5, 38.15N, 38.59E, h12km, M4.8  
 ATA 25 11:22:39.6, 0.7, 38.23N, 38.54E, h16km, 10km, ML5.0,  
 M4.4/7  
 MOS 25 11:22:40.2, 1.1, 38.08N, 38.56E, h10km, mb4.3/22, Error  
 ellipse: s-maj=7.4km s-min=4.9km az=89.3  
 CSEM 25 11:22:40.6, 0.1, 38.12N, 38.63E, h2km, mb4.1/0, Error  
 ellipse: s-maj=5.2km s-min=2.3km az=165.0  
 ISC 25 11:22:40.7, 0.7, 38.13N, 0.01, 38.60E, 0.1, h2km, qkm,  
 n437, r135/492, mb4.2/33, MS3.5/23, 29C-22C, Turkey

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
MALT	Malatya	0.23	324	Op PG	11 22 44.3	-0.9
MALT	Malatya	0.23	324	Op PG	11 22 47.8	-0.4
MALT	Malatya	0.23	324	Op PG	11 22 44.3	-0.9
MALT	Malatya	0.23	324	Op PG	11 22 44.3	-0.9
MALT	Malatya	0.23	324	Op PG	11 22 44.3	-0.9
ELZG	Elazig	0.48	39	Op PG	11 22 57.7	-1.3
ELZG	Elazig	0.48	39	Op PG	11 22 56.1	-0.1
ELZG	Elazig	0.48	39	Op PG	11 22 48.7	-1.3
ELZG	Elazig	0.48	39	Op PG	11 22 56.1	-0.1
AKCD	Akcadag	0.56	288	Op PG	11 22 50.4	-1.1
AKCD	Akcadag	0.56	288	Op PG	11 22 58.6	-0.1
AKCD	Akcadag	0.56	288	Op PG	11 22 58.6	-0.1
AKCD	Akcadag	0.56	288	Op PG	11 22 58.6	-0.1
SVRC	Sivrice-ELAZID	0.61	65	Op PG	11 22 51.1	-1.4
SVRC	Sivrice-ELAZID	0.61	65	Op PG	11 23 00.5	+0.1
SVRC	Sivrice-ELAZID	0.61	65	Op PG	11 22 51.7	-0.8
SVRC	Sivrice-ELAZID	0.61	65	Op PG	11 23 01.7	-0.3
SVRC	Sivrice-ELAZID	0.61	65	Op PG	11 23 00.5	+0.1
ATAB	Bozova	0.70	200	Op PG	11 22 53.6	-0.5
ATAB	Bozova	0.70	200	Op PG	11 23 03.5	+0.4
ATAB	Bozova	0.70	200	Op PG	11 22 53.6	-0.5
ATAB	Bozova	0.70	200	Op PG	11 23 03.5	+0.4
URFA	Urfa	0.71	165	Op PG	11 22 52.7	-1.5
URFA	Urfa	0.71	165	Op PG	11 22 53.2	-1.1
URFA	Urfa	0.71	165	Op PG	11 22 52.7	-1.5
URFA	Urfa	0.71	165	Op PG	11 22 53.2	-1.1
HEKM	Malatya_Hekimh	0.90	326	Op PG	11 22 56.7	-1.4
HEKM	Malatya_Hekimh	0.90	326	Op PG	11 23 09.9	+0.1
HEKM	Malatya_Hekimh	0.90	326	Op PG	11 22 56.7	-1.4
HEKM	Malatya_Hekimh	0.90	326	Op PG	11 23 09.9	+0.1
DARE	Darende-Malatya	0.98	297	Op PG	11 22 57.5	-2.1
PTK	Pertek	0.99	39	Op PG	11 22 57.5	-2.2
PTK	Pertek	0.99	39	Op PG	11 23 12.6	+0.1
PTK	Pertek	0.99	39	Op PG	11 22 57.5	-2.2
PTK	Pertek	0.99	39	Op PG	11 23 12.6	+0.1
SANL	SANLIURFA_Merk	1.00	162	Op PG	11 22 59.1	-0.9
SANL	SANLIURFA_Merk	1.00	162	Op PG	11 23 14.3	-0.2
SANL	SANLIURFA_Merk	1.00	162	Op PG	11 22 59.1	-0.9
SANL	SANLIURFA_Merk	1.00	162	Op PG	11 23 14.3	-0.2
KEMA	Kemaliye	1.14	356	Op PG	11 23 00.2	-2.5
KEMA	Kemaliye	1.14	356	Op PG	11 23 16.5	-1.1
KEMA	Kemaliye	1.14	356	Op PG	11 23 00.2	-2.5
KEMA	Kemaliye	1.14	356	Op PG	11 23 16.5	-1.1
ELBS	KAHRAMANMARAS1	1.7	280	Op PG	11 23 00.9	-2.3
ELBS	KAHRAMANMARAS1	1.7	280	Op PG	11 23 19.1	-0.4
ELBS	KAHRAMANMARAS1	1.7	280	Op PG	11 23 00.9	-2.3
ELBS	KAHRAMANMARAS1	1.7	280	Op PG	11 23 19.1	-0.4
GRSN	Gurini_SVAS	1.20	300	Op PG	11 23 01.6	-2.1
CUGUR	Gurini_SVAS	1.20	300	Op PG	11 23 20.7	+0.3
CUGUR	Gurini_SVAS	1.20	300	Op PG	11 23 01.6	-2.1
CUGUR	Gurini_SVAS	1.20	300	Op PG	11 23 20.7	+0.3
DIVA	Diyarbakir	1.22	99	Op PG	11 23 21.0	+1.1
DIVA	Diyarbakir	1.22	99	Op PG	11 23 03.0	-1.1
DIVA	Diyarbakir	1.22	99	Op PG	11 23 21.0	+1.1
DIVA	Diyarbakir	1.22	99	Op PG	11 23 03.0	-1.1
TNCL	Tunceli-Merkez	1.23	37	Op PG	11 23 01.7	-2.7
TNCL	Tunceli-Merkez	1.23	37	Op PG	11 23 20.6	+0.2
TNCL	Tunceli-Merkez	1.23	37	Op PG	11 23 01.7	-2.7
TNCL	Tunceli-Merkez	1.23	37	Op PG	11 23 20.6	+0.2
TNCL	Tunceli-Merkez	1.23	37	Op PG	11 23 01.7	-2.7
TNCL	Tunceli-Merkez	1.23	37	Op PG	11 23 20.6	+0.2
SURC	SANLIURFA_SURC	1.25	179	Op PG	11 23 03.5	-1.1
SURC	SANLIURFA_SURC	1.25	179	Op PG	11 23 21.3	-0.2
SURC	SANLIURFA_SURC	1.25	179	Op PG	11 23 03.5	-1.1
SURC	SANLIURFA_SURC	1.25	179	Op PG	11 23 21.3	-0.2
REFA	Refahiye_ERZ	1.27	61	Op PG	11 23 11.8	+6.0
REFA	Refahiye_ERZ	1.27	61	Op PG	11 23 42.9	+1.3
REFA	Refahiye_ERZ	1.27	61	Op PG	11 23 11.8	+6.0
REFA	Refahiye_ERZ	1.27	61	Op PG	11 23 42.9	+1.3
REFA	Refahiye_ERZ	1.27	61	Op PG	11 23 11.8	+6.0
REFA	Refahiye_ERZ	1.27	61	Op PG	11 23 42.9	+1.3
HANI	Diyarbakir_Han	1.45	78	Op PG	11 23 06.5	-1.5
HANI	Diyarbakir_Han	1.45	78	Op PG	11 23 27.4	-0.0
HANI	Diyarbakir_Han	1.45	78	Op PG	11 23 06.5	-1.5
HANI	Diyarbakir_Han	1.45	78	Op PG	11 23 27.4	-0.0
GAZ	Gaziantep	1.46	230	Op PG	11 23 06.5	-1.7
GAZ	Gaziantep	1.46	230	Op PG	11 23 06.5	-1.7
GAZ	Gaziantep	1.46	230	Op PG	11 23 06.5	-1.7
GAZ	Gaziantep	1.46	230	Op PG	11 23 06.5	-1.7
CUKAN	kangal_SIVAS	1.48	324	Op PG	11 23 06.1	-2.5
CUKAN	kangal_SIVAS	1.48	324	Op PG	11 23 26.9	-1.5
CUKAN	kangal_SIVAS	1.48	324	Op PG	11 23 06.1	-2.5
CUKAN	kangal_SIVAS	1.48	324	Op PG	11 23 26.9	-1.5
KMRS	Kahramanmaras	1.48	246	Op PG	11 23 06.9	-1.6
KMRS	Kahramanmaras	1.48	246	Op PG	11 23 06.9	-1.6
KMRS	Kahramanmaras	1.48	246	Op PG	11 23 06.9	-1.6
KMRS	Kahramanmaras	1.48	246	Op PG	11 23 06.9	-1.6
MAZI	Mazidag	1.61	114	Op PG	11 23 09.1	-1.2
MAZI	Mazidag	1.61	114	Op PG	11 23 09.1	-1.2
MAZI	Mazidag	1.61	114	Op PG	11 23 09.1	-1.2
MAZI	Mazidag	1.61	114	Op PG	11 23 09.1	-1.2
ERZN	Erzincan	1.70	31	Op PG	11 23 10.4	-1.3
ERZN	Erzincan	1.70	31	Op PG	11 23 10.4	-1.3
ERZN	Erzincan	1.70	31	Op PG	11 23 10.4	-1.3
ERZN	Erzincan	1.70	31	Op PG	11 23 10.4	-1.3
EZC	Erzincan	1.73	20	Op PG	11 23 09.2	-1.9
SARI	Sardiz-Kayseri	1.74	280	Op PG	11 23 12.0	-0.9
EUZM	Uzumlu	1.80	28	Op PG	11 23 36.8	+0.4
EUZM	Uzumlu	1.80	28	Op PG	11 23 46.8	
EUZM	Uzumlu	1.80	28	Op PG	11 23 36.8	+0.4
EUZM	Uzumlu	1.80	28	Op PG	11 23 46.8	
EUZM	Uzumlu	1.80	28	Op PG	11 23 36.8	+0.4
EUZM	Uzumlu	1.80	28	Op PG	11 23 46.8	
BOL	Bingol	1.84	61	Op PG	11 23 12.3	-1.1
BOL	Bingol	1.84	61	Op PG	11 23 12.4	-1.1
BOL	Bingol	1.84	61	Op PG	11 23 12.3	-1.1
BOL	Bingol	1.84	61	Op PG	11 23 12.4	-1.1
CUALT	Altinyayla-SIV	1.84	309	Op PG	11 23 12.8	-0.7
CUALT	Altinyayla-SIV	1.84	309	Op PG	11 23 12.8	-0.7
CUALT	Altinyayla-SIV	1.84	309	Op PG	11 23 12.8	-0.7
CUALT	Altinyayla-SIV	1.84	309	Op PG	11 23 12.8	-0.7
BNGB	Bing'li	1.85	61	Op PG	11 23 12.9	-0.7
ANDN	Andirin	1.86	254	Op PG	11 23 12.0	-1.9
ANDN	Andirin	1.86	254	Op PG	11 23 41.9	+3.3
ANDN	Andirin	1.86	254	Op PG	11 23 12.0	-1.9
ANDN	Andirin	1.86	254	Op PG	11 23 41.9	+3.3
CUZAR	Zara_SIVAS	1.87	340	Op PG	11 23 39.1	+0.8
CUZAR	Zara_SIVAS	1.87	340	Op PG	11 23 13.9	-0.1
CUZAR	Zara_SIVAS	1.87	340	Op PG	11 23 39.1	+0.8
CUZAR	Zara_SIVAS	1.87	340	Op PG	11 23 13.9	-0.1
MARD	Mardin	1.91	114	Op PG	11 23 11.9	-2.6
SLMH	AI Salmeh	1.98	196	Op PG	11 23 33.8	+1.6
SLMH	AI Salmeh	1.98	196	Op PG	11 23 52.8	
SLMH	AI Salmeh	1.98	196	Op PG	11 23 33.8	+1.6
SLMH	AI Salmeh	1.98	196	Op PG	11 23 52.8	
SAIM	ADANA	1.99	266	Op PG	11 23 14.7	-0.9
SAIM	ADANA	1.99	266	Op PG	11 23 44.9	+0.2
SAIM	ADANA	1.99	266	Op PG	11 23 14.7	-0.9
SAIM	ADANA	1.99	266	Op PG	11 23 44.9	+0.2
YEDI	Yedisu-Bingol	2.01	49	Op PG	11 23 15.2	-0.7

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
YEDI	Yedisu-Bingol	2.01	49	Op PG	11 23 15.2	-0.7
YEDI	Yedisu-Bingol	2.01	49	Op PG	11 23 15.2	-0.7
SVAN	Silvan-Diyarba	2.05	89	Op PG	11 23 15.3	-1.0
SVAN	Silvan-Diyarba	2.05	89	Op PG	11 23 15.3	-1.0
SVAN	Silvan-Diyarba	2.05	89	Op PG	11 23 15.3	-1.0
SVAN	Silvan-Diyarba	2.05	89	Op PG	11 23 15.3	-1.0
SVAN	Silvan-Diyarba	2.05	89	Op PG	11 23 15.3	-1.0
KELT	Kelkit	2.08	14	Op PG	11 23 16.6	-0.4
KELT	Kelkit	2.08	14	Op PG	11 23 16.6	-0.4
KELT	Kelkit	2.08	14	Op PG	11 23 16.6	-0.4
KELT	Kelkit	2.08	14	Op PG	11 23 16.6	-0.4
KELT	Kelkit	2.08	14	Op PG	11 23 16.6	-0.4
BTMN	Batman	2.12	96	Op PG	11 23 16.0	-1.4
BTMN	Batman	2.12	96	Op PG	11 23 47.0	+0.1
BTMN	Batman	2.12	96	Op PG	11 23 16.0	-1.4
BTMN	Batman	2.12	96	Op PG	11 23 47.0	+0.1
BTMN	Batman	2.12	96	Op PG	11 23 16.0	-1.4
BTMN	Batman	2.12	96	Op PG	11 23 47.0	+0.1
BINGL	Bingol	2.16	67	Op PG	11 23 17.6	-0.4
BINGL	Bingol	2.16	67	Op PG	11 23 17.6	-0.4
BINGL	Bingol	2.16	67	Op PG	11 23 17.6	-0.4
BINGL	Bingol	2.16	67	Op PG	11 23 17.6	-0.4
BINGL	Bingol	2.16	67	Op PG	11 23 17.6	-0.4
CUSAR	Sarkisla-SIVAS	2.25	306	Op PG	11 23 18.8	-0.4
CUSAR	Sarkisla-SIVAS	2.25	306	Op PG	11 23 50.1	-0.4
CUSAR	Sarkisla-SIVAS	2.25	306	Op PG	11 23 18.8	-0.4
CUSAR	Sarkisla-SIVAS	2.25	306	Op PG	11 23 50.1	-0.4
CUSAR	Sarkisla-SIVAS	2.25	306	Op PG	11 23 18.8	-0.4
CUSAR	Sarkisla-SIVAS	2.25	306	Op PG	11 23 50.1	-0.4
BNN	Bunyan	2.28	289	Op PG	11 23 18.7	-0.9
BNN	Bunyan	2.28	289	Op PG	11 23 18.7	-0.9
BNN	Bunyan	2.28	289	Op PG	11 23 18.7	-0.9
BNN	Bunyan	2.28	289	Op PG	11 23 18.7	-0.9
BNN	Bunyan	2.28	289	Op PG	11 23 18.7	-0.9
KOZT	Kozan	2.29	254	Op PG	11 23 20.2	+0.6
KOZT	Kozan	2.29	254	Op PG	11 23 20.2	+0.6
KOZT	Kozan	2.29	254	Op PG	11 23 20.2	+0.6
KOZT	Kozan	2.29	254	Op PG	11 23 20.2	+0.6
KOZT	Kozan	2.29	254	Op PG	11 23 20.2	+0.



25d 11h

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like DIVS Divibare, GEYT Alibeck, GYA0B ALIBECK ARRAY, etc.

2012 MAY

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like AAK Ala-Archa, FRU Bishkek, NOA NORSAR Array B, etc.

1610

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, etc.

1611	MAZI Mazidag	1.62 115	PN	Pn	11 57 23.6	-1.6
	MAZI Mazidag	1.62 115	ePn	Pn	11 57 23.6	-1.6

**KRSC 25 12:04:27.0±2.4,48.64N,156.26E,h40km,42km,ML3.8, East of Kuril Islands**

Code	Station Name	Δ° AZ°	Op	Phase	IDC	Time	Res
						h m s	ISC
SKR	Severo-Kuril's	2.04 357	P	Pn	ISC	12 05 00.2 +4.4	
SKR			eS	Pn		12 05 24.5 +1.4	
PAU	Pauzhetka	2.85 7	eS	Pn		12 05 47.8 +4.9	
KDR	Khodutka, Kamc	3.38 19	eP	Pn		12 05 22.2 +5.1	
ASAK	Rusacha	3.89 15	eP	Pn		12 06 00.5 +4.6	
RUS	Rusakaya	4.06 20	eP	Pn		12 05 30.8 +4.4	
RUS			eS	Pn		12 06 17.6 +5.0	
SDLR	Sedlovina	4.93 19	eP	Pn		12 05 43.2 +4.7	
SPN	Mys Shipunski	5.06 27	P	Pn		12 05 46.0 +5.8	
MKZ	Mys Kozlova	6.83 28	P	Pn		12 06 07.0 +2.5	

NEIC 25 12:10:19.8±1.4,30.745S;176.56W,h35km,mb4.7/16, Error ellipse: s-maj=27.6km s-min=10.3km az=91.0  
 BUI 25 12:10:20.8,31.07S;177.17W,h36km,mb4.1,6,mb5.2/4, Ms4.8/4, Ms7.4/6.3  
 ISCJB 25 12:10:22.7±0.7,30.88S;0.03±177.3W;0.1, h27km, mb4.8/19, MS3.7/8, Error ellipse: s-maj=14.6km s-min=4.7km az=2.9  
 IDC 25 12:10:27.5±3.3,30.36S;177.70W,h33km,36km,mb4.4/8, mb1.4/9, mb1mx4.1/42, mb1mx4.6/9, ML4.1, MS3.5/8, Ms1.3/4.8, ms1mx3.1/45, Error ellipse: s-maj=30.0km s-min=17.6km az=119.0

**ISC 25 12:10:24.9±0.7,30.75S;0.07±177.5W;0.1, h27km, n138, e242/119, mb5.0/19, MS3.5/8, 1D, Kermadec Islands**

Code	Station Name	Δ° AZ°	Op	Phase	IDC	Time	Res
						h m s	ISC
RAO	Raoul Island	1.53 346	Pn	Op	ISC	12 10 46.8 -3.7	
RAO			Sn			12 11 01.1 -8.4	
RAO	Raoul Island	1.53 346	ePn	Pn		12 10 46.7 -3.8	
RAO			eS	Pn		12 10 46.8 -3.7	
MXZ	Matakaoa Point	7.63 206	ePn	Pn		12 12 15.1 +0.5	
MXZ	Matakaoa Point	7.63 206	P	Pn		12 12 15.8 +1.5	
WMGZ	Waionatani S	7.82 204	P	Pn		12 12 18.2 +1.3	
HAZ	Te Kaha	8.01 208	P	Pn		12 12 20.6 +1.2	
PKGZ	Pakihiroa	8.01 206	P	Pn		12 12 19.6 +0.1	
PUZ	Puketiti	8.10 204	P	Pn		12 12 21.2 +0.4	
RUFZ	Raukumara Rang	8.23 206	P	Pn		12 12 22.1 +0.6	
TWGZ	Tauwharepare	8.29 205	P	Pn		12 12 23.4 +0.1	
CNGZ	Carnagh Statio	8.49 203	P	Pn		12 12 27.1 +1.0	
TKGZ	Te Karaka	8.57 205	P	Pn		12 12 27.5 +0.2	
MWZ	Matawai	8.61 207	P	Pn		12 12 28.0 +0.3	
OPRZ	Ohinepanea	8.62 213	P	Pn		12 12 31.6 +0.8	
OUZ	Omouta	8.70 237	ePn	Pn		12 12 37.1 +8.1	
URZ	Urewera	8.71 209	Pn	Pn		12 12 28.9 -0.2	
URZ			Sn			12 14 08.9 +2.5	
URZ	Urewera	8.71 209	ePn	Pn		12 12 29.3 +0.2	
URZ			eS	Pn		12 12 08.8 +2.5	
URZ	Urewera	8.71 209	P	Pn		12 12 29.3 +0.2	
RAGZ	Ramiro	8.79 207	P	Pn		12 12 30.7 +0.4	
RIGZ	Rimuhau	8.84 205	P	Pn		12 12 31.9 +0.4	
PRGZ	Paritui Road	8.93 204	P	Pn		12 12 32.1 +0.6	
MUGZ	Murupara	9.04 210	P	Pn		12 12 32.8 -0.9	
RTZ	Ruatahuna	9.07 209	P	Pn		12 12 33.6 +0.4	
SNGZ	Shannon Statio	9.07 206	P	Pn		12 12 34.1 +0.1	
MHGZ	Mahia Peninsula	9.19 203	P	Pn		12 12 35.3 -0.4	
FAHZ	Arahi	9.28 207	P	Pn		12 12 37.1 +1.0	
FAHZ			P	Pn		12 12 38.2 +0.8	
MTHZ	Maungataniwha	9.32 208	P	Pn		12 12 38.4 +0.8	
TLZ	Tolley Road	9.49 215	P	Pn		12 12 47.6 +7.8	
NMHZ	Naumai	9.55 208	P	Pn		12 12 40.4 -0.3	
ARHZ	Arapoanau	9.62 206	P	Pn		12 12 41.5 0.0	
BKZ	Black Stump Fm	9.73 209	Pn	Pn		12 12 42.0 -1.2	
BKZ			eS	Pn		12 12 43.9 +2.2	
BKZ	Black Stump Fm	9.73 209	P	Pn		12 12 42.0 -1.2	
MCHZ	McNeill Hill	9.89 207	P	Pn		12 12 44.1 -1.2	
KWHZ	Kaweka Forest	9.98 208	P	Pn		12 12 44.8 -1.8	
KAHZ	Kahuranaki	10.12 205	P	Pn		12 12 47.2 -1.4	
NGZ	Ngaruonoe	10.13 212	P	Pn		12 12 47.6 -1.8	
BHZZ	Black Hill Sta	10.19 209	P	Pn		12 12 49.8 +0.4	
KRHZ	Kereru	10.19 208	P	Pn		12 12 47.7 -1.8	
FWVZ	Far West T-bar	10.22 212	P	Pn		12 12 51.0 +1.0	
TSZ	Takapari Road	10.71 208	P	Pn		12 12 55.8 -0.7	
BIRZ	Birch Farm	11.13 205	ePn	Pn		12 12 57.7 +2.6	
BFZ			eS	Pn		12 15 00.6 -5.3	
SNZO	South Karori	12.28 209	Pn	Pn		12 13 16.4 -1.5	
SNZO			eS	Pn		12 15 28.9 -4.9	
NFK	Norfolk Island	12.74 274	P	Pn		12 13 24.9 +0.5	
THZ	Tophouse	13.43 212	ePn	Pn		12 13 31.6 -2.2	
THZ			eS	Pn		12 15 58.4 -3.7	
KHZ	Kahutara	13.68 209	ePn	Pn		12 13 36.6 -0.5	
KHZ			eS	Pn		12 16 01.1 -7.0	
LTZ	Lake Taylor	14.53 211	ePn	Pn		12 13 44.9 -3.8	
CR LZ	Canterbury Las	15.01 209	ePn	Pn		12 13 49.0 -6.2	
OXZ	Oxford	15.06 211	ePn	Pn		12 13 48.7 -7.1	
OXZ			eS	Pn		12 16 33.4 -8.3	
MOZ	McQueen's Vall	15.11 208	ePn	Pn		12 13 53.9 -2.5	
MOZ			eS	Pn		12 16 34.0 -8.9	
RPZ	Rata Peaks	15.81 212	Pn	Pn		12 14 09.4 +0.2	
RPZ			eS	Pn		12 14 05.9 +0.3	
FOZ	Fox Glacier	16.25 215	ePn	Pn		12 14 13.3 -0.8	
DZM	Mont Dzumac	16.76 297	LR	LR		12 19 25.6	
DZM			eL	LR		12 19 22.7	
WKZ	Wanaka	17.60 213	ePn	P		12 14 29.6 +0.5	
MLZ	Mavora Lakes	18.43 214	eP	P		12 14 37.8 -0.4	
RAR	Rarotonga	18.54 63	LR	LR		12 21 23.6	
DZM	Mont Dzumac	16.76 297	LR	LR		12 19 25.6	
DZM			eL	LR		12 19 22.7	
WKZ	Wanaka	17.60 213	ePn	P		12 14 29.6 +0.5	
MLZ	Mavora Lakes	18.43 214	eP	P		12 14 37.8 -0.4	
RAR	Rarotonga	18.54 63	LR	LR		12 21 23.6	
TBI	Tubuai	20.50 80	eLR	LR		12 22 35.8	
TBI			eT	T		12 43 09.6	
ARMA	Armidales	26.53 263	P	P		12 16 03.2 +2.6	
MGCD	Mangrove Creek	26.68 256	P	P		12 16 05.8 +4.1	
CNB	Canberra Magne	28.07 252	P	P		12 16 17.5 +3.2	
EIDS	Eidsvold	28.18 273	P	P		12 16 16.7 +1.5	
EIDS			eP	P		12 16 16.8 +1.5	
CAN	Canberra	28.37 252	P	P		12 16 19.6 +2.7	
PAE	Paea	28.52 69	eT	T		12 46 12.8	
PPT2	Papeete2	28.56 69	eLR	LR		12 46 23.7	
PPT2			eT	T		12 46 16.5	
PPT	Papeete	28.57 69	LR	LR		12 24 34.5	
TVO	Taravao	28.72 70	eT	T		12 46 28.2	
YNG	Young	28.89 254	P	P		12 16 25.8 +4.2	
HNR	Honiara	29.85 311	LR	LR		12 25 39.3	
RMQ	Roma	29.85 270	P	P		12 16 32.9 +2.7	
VAH	Vaihoo	31.41 67	eT	T		12 49 48.0	
CMSA	Cobar Meteorol	31.41 259	P	P		12 16 46.5 +2.6	
QLP	Quilpie	31.72 267	P	P		12 17 05.5 +1.4	
ARPS	Mount Arapiles	34.24 249	P	P		12 17 10.5 +2.9	

**2012 MAY**

Code	Station Name	Δ° AZ°	Op	Phase	IDC	Time	Res
						h m s	ISC
CTA	Charters Tower	34.27 279	P	P		12 17 10.5 +1.5	
CTAO	Charters Tower	34.27 279	eP	P		12 17 10.5 +1.5	
STKA	Stephens Creek	34.81 257	P	P		12 17 16.3 +2.7	
STKA			P	P		12 17 16.2 +2.7	
STKA			LR	LR		12 29 10.1	
MTSU	Mount Surprise	36.78 281	P	P		12 17 32.0 +1.5	
HTT	Hallett	36.81 254	P	P		12 17 32.8 +2.1	
RKT	Rikitea	38.49 89	eT	T		12 58 49.8	
PMG	Port Moresby	39.14 295	LR	LR		12 31 06.1	
BBOO	Bucklebo	39.28 255	P	P		12 17 52.9 +1.4	
BBOO			eP	P		12 17 52.9 +1.4	
QIS	Mount Isa	39.76 274	P	P		12 17 56.2 +0.6	
COEN	Coen	39.77 286	P	P		12 17 56.8 +1.1	
ASOI	Allice Springs	43.67 267	eP	P		12 18 26.8 +0.8	
AS31	Allice Springs	43.67 267	eP	P		12 18 26.9 +0.5	
ASAR	Allice Springs	43.51 267	P	P		12 18 26.1 -0.3	
ASAR			LR	LR		12 35 43.9	
WB2	Warramunga Arr	44.52 272	eP	P		12 18 34.6 +0.1	
WRAB	Warramunga Arr	44.52 272	eP	P		12 18 34.8 +0.3	
WRA	Warramunga Arr	44.53 272	P	P		12 18 33.6 -1.0	
FORT	Forteres	46.37 255	eP	P		12 18 49.6 +0.7	
MTN	Manton Dam	50.45 279	P	P		12 19 20.8 +0.2	
KNRA	Kunurra	51.15 274	P	P		12 19 27.1 +1.2	
KMBL	Kambalda	51.33 253	P	P		12 19 27.2 +0.2	
CASY	Casey	55.03 208	eP	P		12 19 56.1 +2.4	
MAW	Mawson	72.13 200	P	P		12 21 50.1 +3.5	
SYO	Syowa Base	76.88 193	eX	P		12 22 15.8 +1.7	
SNA	Sanaa	77.80 178	P	P		12 22 30.1 +1.1	
YUK	Yuzh-Kuril'sk	77.93 176	P	P		12 22 31.9 +1.2	
VNA3	Neumayer-Watz	78.37 177	P	P		12 22 33.7 +1.1	
VNA1	Neumayer-Stat	78.60 176	P	P		12 22 35.7 +1.2	
MJAR	Matushiro Arr	78.77 325	P	P		12 22 24.2 -0.8	
LPIG	La Paz	84.36 58	LR	LR		12 51 18.1	
PETK	Petropavlovsk-	86.25 345	P	P		12 23 03.8 +0.2	
NJ2	Nanjing	86.79 310	pmax	pmax		12 23 03.5 -3.3	
NVAR	Mina Array Bea	88.20 42	P	P		12 23 15.8 +2.1	
CN2	Changchun	90.67 323	eP				

25d 12h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations in Northern Italy with their respective codes and coordinates.

2012 MAY

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations in the 2012 MAY period with their respective codes and coordinates.

1612

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations in the 1612 period with their respective codes and coordinates.



















Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JAK Ashorobuto, JAK Akkeshi, JEM Nemuro 2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, WRA Warramunga Arr, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRAB Tennant Creek, AS31 Aile Springs, ASAR Alca Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GUIM Jordan, GUIM Roxas, RCP Lapu-Lapu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BJO Bjornoya, HSP Hornsund (broa), SPA0 Spitsbergen Ar, etc.

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

CSEM 25 14:08:43.1±1.1, 44.81N:10.98E, h15km, ML2.9, Error ellipse: s-maj=17.7km s-min=9.5km az=5.0

ISCJB 25 14:44:01.7±0.0, 73.14N:0.06E, h11km, mb3.3/2, MS3.1/17, Error ellipse: s-maj=14.4km s-min=8.3km az=167.1

DDA 25 15:08:27.2±1.2, 38.61N:0.05E, h7km, ML2.5, Error ellipse: s-maj=8.9km s-min=5.0km az=13.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GAZZ Gazzo Veronese, GAZZ Gazzo Veronese, TEOL Teolo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MORB Moi Rana, NOA NORSAR Array B, BORG Borganes, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DARE Darende-Malaty, DARE DARE, CUGUR Gurin S'VAS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MARN Marana (Italy), MARN Marana (Italy), DOSS Dosso del Somm, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ARCS ARCESS Array B, MORB Moi Rana, MORB MORB, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KULM Kuldanda, KUN Gumbra, GKN Gorkha, etc.

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

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

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

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

ISCJB 25 14:35:56.3±1.1, 2.6N:0.1E, h0.33km, mb3.7/3, Error ellipse: s-maj=15.7km s-min=8.6km az=14.7

ISCJB 25 14:57:54.0±0.4, 1.90N:0.05E, h7.80E, h46km, mb4.2/17, MS2.9/2, Error ellipse: s-maj=9.1km s-min=5.4km az=146.0

ISC 25 15:48:56.4±0.6, 1.81N:97.89E, h62km, mb4.1/3, Error ellipse: s-maj=7.6km s-min=6.2km az=68.0





FITZ Fitzroy Crossi 56.41 259 P P 16 51 10.6 +1.5

WEL 25 16:45:38.1, 37°S:4.177°E, h161km, 7km
ISCJB 25 16:45:39.6, 0.5, 37.445:0.04:177.39E:0.05, h139km,
mb3.8/4, Error ellipse: s-maj=6.7km s-min=4.2km

WEL 25 16:45:40.3, 1.1, 37.69S:177.25E, h152km, 7km, mb3.6/4,
mb1.3/7.5, mb1mx3.4/4.3, mbtmp3.0/5, Error ellipse:
s-maj=30.1km s-min=25.4km az=126.0

ISC 25 16:45:39.1, 0.9, 37.48S:0.05:177.33E:0.05, h139km,
n136.0:199/136, mb3.9/4, Off east coast of North Island

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

ARCES ARCESS Array B 144.47 343 PKhKP PKPpre 17 04 54.4

FINES FINES Array B 150.06 332 PKPbc PKPbc 17 05 10.2 -2.1

TORD Tordi Arr. Be. 15.46 145 PKPab PKPab 17 05 42.6 0.0

ISCJB 25 17:00:00.0, 0.5, 33.87N:0.09:136.19E:0.06, h398km,
mb2.9/2, Error ellipse: s-maj=12.9km s-min=6.6km

ISC 25 17:02:16.3, 0.9, 28.05N:139.86E, h404km, 10km, mb3.1/7,
mb1.3/3.10, mb1mx2.9/6.5, mbtmp3.9/10, Error ellipse:
s-maj=20.9km s-min=11.2km az=81.0

JMA 25 17:02:17.2, 0.2, 28.30N:140.53E, h426km, 4km, M3.6

ISC 25 16:47:17.3, 0.8, 28.26N:0.08:140.4E:0.2, h426km, n27,
e200/36, mb3.4/7, Bonin Islands region

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

ISCN 25 16:56:26.8, 0.8, 32.62N:46.74E, h0km, M2.6, Iran-Iraq
border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations in the Iran-Iraq border region.

ISCJB 25 17:02:00.9, 0.5, 33.87N:0.09:136.19E:0.06, h398km,
mb2.9/2, Error ellipse: s-maj=12.9km s-min=6.6km

JMA 25 17:02:17.2, 0.1, 33.94N:136.09E, h398km, 1km, M2.5

ISC 25 17:02:01.4, 0.9, 33.96N:0.09:136.14E:0.06, h398km, n23,
e130/31, Near south coast of western Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations near the south coast of western Honshu.

MAN 25 17:08:34.1, 7.61N:125.70E, h33km, mb4.6, ML3.5, MS3.4,
2C, Mindanao

ISCJB 25 17:08:45.1, 0.8, 73.12N:0.07:5.8E:0.4, h11km, mb3.5/7,
MS3.0/10, Error ellipse: s-maj=15.8km s-min=9.8km

ISC 25 17:08:45.7, 1.1, 73.07N:5.43E, h0km, mb3.5/7,

mb1.3/6.12, mb1mx3.4/7.5, mbtmp3.6/12, ML3.1/5, MS3.2/15,
M1.3/2.15, sm1mx2.9/6.1, Error ellipse: s-maj=22.9km
s-min=16.0km az=82.0

BER 25 17:09:28.1, 2.3, 77.21N:11.63E, h10km, ML1.2

ISC 25 17:07:30.9, 0.9, 73.14N:0.08:57E:0.1, h11km, n26,
e193/16, mb3.5/7, MS3.0/10, Greenland Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations in the Greenland Sea region.

ISCJB 25 17:28:09.4, 0.5, 50.10N:0.03:19.01E:0.03, h0km, Error
ellipse: s-maj=4.7km s-min=2.9km az=8.4

CSEM 25 17:28:09.4, 0.4, 50.16N:19.06E, h2km, ML2.5/4, Error
ellipse: s-maj=9.5km s-min=4.4km az=6.0

PRU 25 17:28:10.5, 50.17N:19.06E, h0km

ISC 25 17:28:09.0, 0.5, 50.09N:0.04:19.06E:0.02, h0km, n23,
e087/41, Poland

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations in Poland.

MAN 25 17:33:10.4, 11.11N:124.71E, h6km, mb4.5, ML3.4, MS3.2,
1C-1D, Leyte

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations in Leyte.

ISC 25 17:34:27.8, 0.3, 21.60S:65.84W, h301km, 19km, mb3.6/2,
mb1.3/3.5, mb1mx2.9/4.3, mbtmp3.9/5, Error ellipse:
s-maj=54.2km s-min=19.8km az=44.0, Southern Bolivia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations in Southern Bolivia.

25d 18h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like LPAZ, SIV, CPUP, TORO, ULM, MKAR.

Station lists and coordinates for NNC, ISCB, MOS, ASRS, BUI, and ISCT. Includes details like NNC 25 17:57:17.0, 4.3, 52.12N, 96.56E, h0km, mb4.0, mpv3.8.

Main station list table for 25d 18h. Columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations from KNGR to ARU.

2012 MAY

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations from ARU to WRA.

Station lists and coordinates for NEIC, ECX, and MEX. Includes details like NEIC 25 18:04:24.0, 2.0, 31.50N, 115.55W, h6km, ML2.8(ECX).

Main station list table for 2012 MAY. Columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations from ECXB to MLNR.

Station lists and coordinates for IDC, ISCB, and NEIC. Includes details like IDC 25 18:04:19.7, 1.8, 43.25N, 105.17W, h0km, mb3.9/4.

Main station list table for 2012 MAY. Columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations from RSSD to PDAR.

1624

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations from PDAR to AGM.

Station lists and coordinates for ISCB and NEIC. Includes details like ISCB 25 18:10:41.3, 0.5, 33.00S, 0.04, 178.52W, 0.08, h32km.

Station lists and coordinates for NEIC, IDC, and WEL. Includes details like NEIC 25 18:10:43.5, 1.0, 33.08S, 178.46W, h40km, 10km, mb5.0/6.

Main station list table for 1624. Columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations from RAO to HFS.







Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PNIG Pinotepa, AC2P Acapulco, VHO Vista Hermosa, etc.

ISCBJ 25 19:37:43.0±0.6, 14.212N, 0°07:93.16E±0.06, h32km, mb3.8/16, MS3.2/2, Error ellipse: s-maj=11.0km

IDC 25 19:37:49.8±3.8, 14.23N, 93.27E, h71km, 35km, mb3.5/16, mb1.3/18, mb1mx3.4/6, mbtmp3.8/18, ML3.7/2, MS3.1/3, Ms1.3/2.3, ms1mx2.6/5.5, Error ellipse: s-maj=27.4km

ISC 25 19:37:45.4±0.8, 14.22N, 0°09:10E±0.09, h32km, n31, +180Z, mb3.9/16, Andaman Islands region

Main station list table for the first section, including CMAR Chiang Mai Arr, PSI Prapat, PALK Palkele, PKI Pulchoki, etc.

ISCBJ 25 19:46:57.0±0.5, 11.18S, 0°08:103.47W±0.09, h10km, mb4.5/45, MS3.5/17, Error ellipse: s-maj=15.9km

IDC 25 19:46:57.7±0.6, 11.17S, 103.45W, h0km, mb4.3/15, mb1.4/15, mb1mx4.3/38, mbtmp4.3/15, MS3.5/17, Ms1.3/17, ms1mx3.3/38, Error ellipse: s-maj=22.0km

NEIC 25 19:46:59.2±1.6, 1.20S, 103.43W, h14km, 9km, mb4.6/37, Error ellipse: s-maj=12.0km s-min=6.0km az=53.0

ISC 25 19:46:58.5±3.5, 1.06S, 103.40W±0.1, h7km, 20km, n107, +192Z/97, mb4.5/45, MS3.5/16, Central East Pacific Rise

Main station list table for the second section, including CMIG Matias Romero, APG El Apazole, JTS JuntasAbangare, etc.

Main station list table for the third section, including PLAL Pickwick Lake, GATR Gnd/Arr Txrnt, WBSM Bird Springs, etc.

MEX 25 20:01:15.0±0.3, 16.31N, 98.32W, h8km, 2km, MD4.0, Near coast of Guerrero

Small table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PNIG Pinotepa, PNIG Pinig, HMTT Tlapaneco, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AC2P Acapulco, VHO Vista Hermosa, CAIG El Cayaco, etc.

MAN 25 20:17:08.4, 6.38N, 126.73E, h38km, mb5.0, ML4.0, MS4.0, IDC 25 20:17:15.7±1.4, 6.24N, 125.52E, h94km, 22km, mb3.4/5, mb1.3/5, mb1mx3.1/62, mbtmp3.7/5, Error ellipse:

ISC 25 20:17:06.2±1.9, 6.24N, 126.90E±0.08, h17km, 11km, n15, +209Z/22, mb3.7/5, 1C-2D, Mindanao

Main station list table for the fourth section, including MATI Mati, DAV Davao City (W), DAV Davao City (E), etc.

ISN 25 20:32:44.2±0.4, 33.34N, 47.87E, h14km, 2km, ML2.9, ISCBJ 25 20:32:46.2±0.9, 33.24N, 0°04:47.69E±0.05, h8km, 7km, Error ellipse: s-maj=7.8km s-min=5.3km az=37.5

TEH 25 20:32:46.7, 33.35N, 47.80E, h22km, ML2.9, CSEM 25 20:32:47.9±0.4, 33.20N, 47.72E, h15km, ML3.0, Error ellipse: s-maj=12.1km s-min=10.9km az=41.0

ISC 25 20:32:47.1±1.2, 33.27N, 0°04:47.75E±0.04, h14km, 9km, n15, +091Z/22, Western Iran

Main station list table for the fifth section, including IKFM Kafar-mosalman, IKOM Komasi, IKOM Cheshme Sefid, etc.

ISCBJ 25 20:42:51.1±0.6, 1.19N, 0°08:91.71E±0.06, h10km, mb4.2/16, MS3.1/4, Error ellipse: s-maj=12.4km

IDC 25 20:42:51.8±1.1, 1.20N, 91.65E, h0km, mb3.9/9, mb1.4/0.12, mb1mx3.7/68, mbtmp3.9/12, ML3.7/3, MS3.1/6, Ms1.3/16, ms1mx2.7/65, Error ellipse: s-maj=36.1km

NEIC 25 20:42:52.8±0.4, 1.20N, 91.66E, h10km, mb4.6/8, Error ellipse: s-maj=9.9km s-min=5.4km az=207.0

ISC 25 20:42:52.8±0.9, 1.23N, 0°1:167E±0.09, h10km, n55, +080Z/46, mb4.2/16, MS3.1/4, North Indian Ocean

Main station list table for the sixth section, including GSI Gunungsitoli, LHMI Lhok Sumawe, PSI Prapat, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MK01 Makanchi Array, MKR1 Makanchi Array, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ARMT Armutlu, YLV Yalova, AYDB Zeytinokoy-Aydi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like G0.6m,0.3s, FINES FINES Array B, etc.

IASPEI 25 20:44:13.9,0.8,39.12N,0.02:29.08E,0.02,h9km,5km. Error ellipse: s-maj=3.5km s-min=2.4km az=174.5,GT5 selection from ISC bulletin GT5 identified by Bond'jr and McLaughlin (2009) selection criteria Bond'jr and McLaughlin, A new ground truth data set for seismic studies, <Seism. Res. Let.>, <80>-<82>, 2009

ISCJB 25 20:44:13.6,0.3,39.12N,0.02:29.07E,0.02,h6km,3km. Error ellipse: s-maj=3.3km s-min=2.6km az=161.2

CSEM 25 20:44:13.7,0.1,39.12N,29.09E,h5km,ML3.4, Error ellipse: s-maj=1.4km s-min=1.2km az=161.0

DDA 25 20:44:13.4,39.10N,29.11E,h7km,ML3.6

ISK 25 20:44:13.4,39.12N,29.07E,h9km,ML3.4/37

ISC 25 20:44:13.8,0.8,39.12N,0.02:29.09E,0.01,h9km,5km,n172,0.055,192,Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SMAA Simav-Kutahya, SMAA Simav-Kutahya, SIMA Simav-Kutahya, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ARMT Armutlu, YLV Yalova, AYDB Zeytinokoy-Aydi, etc.

ISCJB 25 21:10:52.0,0.6,32.26S,0.05:179.6W,0.1,h61km, mb4.5/7, Error ellipse: s-maj=17.1km s-min=5.4km az=13.2

ISC 25 21:10:53.4,9.2,32.32S,179.29W,h76km,87km,mb4.1/3, mb1 4.2/4, mb1mx3.6/49, mbmt9.4/24, ML3.3/1, Error ellipse: s-maj=70.6km s-min=58.3km az=153.0

NEIC 25 21:10:54.1,1.6,32.32S,179.22W,h88km,21km,mb4.4/5, Error ellipse: s-maj=30.2km s-min=11.9km az=130.0

ISC 25 21:10:53.4,1.1,32.26S,179.59W,0.2,h61km,n25, 0.091/26,mb4.5/7, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like RAO Raoul Island, HAZ Te Kaha, WMGZ Waionmatatini S, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GALAA Gareloi Lava P, TAPA Tanaga Point A, KIKV Kanaga Island, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like KURK Kurchatov, WMQ Urumqi, KURBB Kurchatov Arra, MKAR Makanchi Array, TXAR Lajitas Array, BVAR Borovoye Array, FINES FINESS Array B, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like H11N2 WAKE ISLAND Hy 28.15 121 T, H11N1 WAKE ISLAND Hy 28.15 121 T, H11N3 WAKE ISLAND Hy 28.16 121 T, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like RFA RFA, ROCI ROCI, AAGR Agrelo, RTLS Leoncito, etc.

ISCJB 25 21:36:05.0 1.2, 1.3N:0.2-91.5E:0.1, h10km, mb3.8/7, MS3.4/10, Error ellipse: s-maj=25.3km s-min=17.7km az=26.9

IDD 25 21:36:05.8 1.6, 1.36N:91.62E, h0km, mb3.8/6, mb1.4/0.8, mb1mx3.6/9, mbtmp3.8/8, ML3.7/2, MS3.3/1.4, Ms1.3/1.4, ms1mx3.0/5.9, Error ellipse: s-maj=46.3km s-min=26.4km az=49.0

NEIC 25 21:36:07.1 1.1, 1.36N:91.62E, h10km, mb4.1/1, Error ellipse: s-maj=24.1km s-min=16.3km az=207.0

ISC 25 21:36:06.9 1.4, 1.33N:0.2-91.6E:0.2, h10km, n30, r=1505/12, mb3.7/7, MS3.3/10, North Indian Ocean

ISCJB 25 21:41:46.1 0.8, 39.976N:0.07-142.8E:0.2, h31km, mb3.8/12, Error ellipse: s-maj=18.0km s-min=9.9km az=5.6

IDD 25 21:41:49.8 2.9, 39.983N:142.75E, h4km, mb2.6km, mb3.6/12, mb1.3/7.14, mb1mx3.4/6.7, mbtmp3.8/14, ML3.1/2, MS2.6/2, Ms1.2/6.2, ms1mx2.3/5.9, Error ellipse: s-maj=23.7km s-min=17.3km az=99.0

ISC 25 21:41:48.0 1.1, 1.398N:0.1x142.9E:0.1, h31km, n22, r=1505/15, mb4.0/12, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like ASAJ Asahikawa, ASAJ Khabaz, MJAR Matsushiro Arr, USRK Ussuriysk Arr, KSRS Korea Arr, KSRS Seyma, SONM Songoing Array, H11N2 WAKE ISLAND Hy 28.17 121 T, etc.

ISCJB 25 21:41:46.1 0.8, 39.976N:0.07-142.8E:0.2, h31km, mb3.8/12, Error ellipse: s-maj=18.0km s-min=9.9km az=5.6

IDD 25 21:41:49.8 2.9, 39.983N:142.75E, h4km, mb2.6km, mb3.6/12, mb1.3/7.14, mb1mx3.4/6.7, mbtmp3.8/14, ML3.1/2, MS2.6/2, Ms1.2/6.2, ms1mx2.3/5.9, Error ellipse: s-maj=23.7km s-min=17.3km az=99.0

ISC 25 21:41:48.0 1.1, 1.398N:0.1x142.9E:0.1, h31km, n22, r=1505/15, mb4.0/12, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like ASAJ Asahikawa, ASAJ Khabaz, MJAR Matsushiro Arr, USRK Ussuriysk Arr, KSRS Korea Arr, KSRS Seyma, SONM Songoing Array, H11N2 WAKE ISLAND Hy 28.17 121 T, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like PSI Prapat, PALK Pallekele, PALK Palkeze, PALK Lembang, CMAR Chiang Mai Arr, CMAR Wadi Serit, H0S2 Diego Garcia H, H0S3 Diego Garcia H, H0S1 Diego Garcia H, LSA Lhasa, DAV Davao City (W), WSAR Wadi Serit, H01W3 Cape Leeuwin H, H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, MKAR Makanchi Array, WRA Warramunga Arr, SONM Songoing Array, JNU Nakatsue, KSRS Korea Arr, KURBB Kurchatov Arr, ZALV Zalesovo Beam, JCJ Chichima, MJAR Matsushiro Arr, MMAL Mount Meron Arr, IDI Anoyia, GERES GERES Array B, KEST Kesra, SPITS Spitsbergen Arr, TXAR Lajitas Array

IDD 25 22:01:07.4 1.1, 7.290S:158.04E, h0km, mb3.6/3, mb1.3/8.4, mb1mx3.4/4.2, mbtmp3.7/4, ML4.0/1, MS2.4/2, Ms1.2/4.2, ms1mx2.3/3.7, Error ellipse: s-maj=41.5km s-min=31.1km az=43.0, Bougainville-Solomon Islands region

NEIC 25 22:12:23.0 0.0, 37.65S:73.55W, h12km, ML4.2(GUC), After GUC.

NEIC Felt [V] at Lebur; [V] at Arauco, Canete, Coronel and Los Alamos; [III] at Chiguayante, Concepcion, Hualpén, Lota, Penco, San Pedro de la Paz, Talcahuano, Tirua and Trome; [II] at Angol.

GUC 25 22:12:23.0 0.0, 37.65S:73.55W, h12km, 10km, ML4.2

ISC 25 22:12:22.7 1.9, 37.62S:0.04-73.62W:0.08, h7km, 10km, n35, r=1914/45, mb4.0/7, MS3.0/3, 2C-3D, Near east coast of central Chile

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like CCSP San Pedro de C, TMU Temuco, CCHI Chillan, CCHI Chillan, COCH Cobquecua, COCH Cobquecua, COCH Cobquecua, COCH Cobquecua, COCA Caviahue, GO05 Hualae0, GO05 Hualae0, PLCA Paso Flores, PLCA Paso Flores, PLCA Paso Flores, RFA San Rafael

IDD 25 22:15:09.4 1.7, 13.04N:124.52E, h0km, mb3.6/5, mb1.3/8.5, mb1mx3.4/5.9, mbtmp3.6/5, Error ellipse: s-maj=177.2km s-min=21.1km az=68.0

MAN 25 22:15:14.9, 13.18N:124.56E, h15km, mb4.7, ML3.6, MS3.5

ISCJB 25 22:15:15.0 1.7, 13.24N:0.0-124.61E:0.07, h52km, 7km, mb3.6/5, Error ellipse: s-maj=11.3km s-min=6.1km az=157.6

ISC 25 22:15:15.1 1.4, 13.22N:0.06-124.65E:0.08, h41km, 15km, n18, r=1646/23, mb3.7/5, 2C-1D, Luzon

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like PVCP Virac, PVCP Catarman, CNP Borongan, BESE Borongan, BESE Borongan, ALUP Palo, ALUP Palo, GQP Gincayangan, GQP Gincayangan, RCP Roxas, RCP Roxas, OTRP Odiongan, BOAC Boac, LLLP Lapu-Lapu, LLLP Lapu-Lapu, MSPL Maasin, MSPL Maasin, GUIM Jordan, GUIM Jordan, WRA Warramunga Arr, WRA Warramunga Arr, SONM Songoing Array, ASAR Alice Springs, MKAR Makanchi Array, ZALV Zalesovo Beam

KRSC 25 22:59:44.1 6.48, 17N:156.68E, h62km, 38km, ML3.9, East of Kuril Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like PAU Pauzhetka, PAU Pauzhetka, KDTR Khodutka, Kamc, KDTR Khodutka, Kamc, MIPR Malaya Ipeleka, ASAK Asatoka, MTRV Mtnovka, RUS Russkaya, RUS Russkaya, UGLV Uglovaya, UGLV Uglovaya, SDLR Sedlovina, KRER Koryakskiy, SPN Mys Shpitskii, GNL Ganaly, MKZ Moys Kozlova

IDD 25 23:25:32.6 1.7, 4.27N:126.71E, h0km, mb3.7/5, mb1.3/9.5, mb1mx3.5/5.6, mbtmp3.7/5, MS2.8/4, Ms1.2/8.4, ms1mx2.5/5.2, Error ellipse: s-maj=114.2km s-min=21.6km az=71.0, Talaud Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like TAGY Tagaytay City, BGTI Baunata, GUMO Guam, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, MJAR Matsushiro Arr, MKAR Makanchi Array, KURBB Kurchatov Arra, ISCJB 25 23:51:58.0 0.4, 44.86N:0.02-117.18E:0.03, h13km, 2km, Error ellipse: s-maj=4.0km s-min=3.4km az=146.9, ROM 25 23:51:58.3 0.0, 44.853N:0.001-117.160E:0.001, h6km, ML2.2/14, CSEM 25 23:51:58.2 0.2, 44.84N:11.17E, h10km, ML2.1, Error ellipse: s-maj=5.4km s-min=3.4km az=78.0, ISC 25 23:51:58.7 0.8, 44.86N:0.02-117.17E:0.02, h9km, 4km, n57, r=1502/87, 4C-10D, Northern Italy

26d 0h

Table with columns: Station Name, Time, Res, and various codes. Includes stations like SanFelice sul, Massa Finalese, Palata Pepoli, Loc. Stoppiaro, Casumarù (Bond), Loc. Cortile, Dosso, Cento, Novì di Modena, Loc. Veratica, Loc. Casaglia, Mìnerbio Fiu, Mìnerfio Fiu, Teolo, and Marn Marana.

2012 MAY

Table with columns: Station Name, Time, Res, and various codes. Includes stations like Monte Baldo, Salir, Bagni Di Lucca, Dosso del Somm, Maimastiano, Cima Grappa, Castel Tesino, Musuan, Cotabato-PC H, Pagadian, Novì di Modena, Loc. Veratica, Loc. Casaglia, Mìnerbio Fiu, Mìnerfio Fiu, Teolo, and Marn Marana.

1630

Table with columns: Station Name, Time, Res, and various codes. Includes stations like Kawauchi, Iwakimizuishiy, Marumori, Ouri, Hitachi, Okata, Ichinoseki, Matsushiro Arr, Hachioji jima 2, Eielson Array, and various international stations like Musuan, Cotabato-PC H, Pagadian, Novì di Modena, Loc. Veratica, Loc. Casaglia, Mìnerbio Fiu, Mìnerfio Fiu, Teolo, and Marn Marana.



26d 0h

Table with columns: ITM, S, Sn, P, Pn, Time, Res. Rows include stations like Ithomi, Vlachokerasia, Thalerio, etc.

2012 MAY

Table with columns: P, S, AML, Pn, Time, Res. Rows include stations like Penteli, Fytoko, Saggiada, etc.

1632

Table with columns: MNAS, Time, Res, Pn. Rows include stations like Manas, Karatay Array, Erkin-Say, etc.

ISC 26 00:45:12.2,2.2,40.29N;71.60E,h0km,mb3.7/3, mb1.3,5/6,mb1mx3.3/6,mbtrmp3.5/6,ML2.8/3,MS3.2/1, I3.4/1,ms1mx2.2/63,Error ellipse: s-maj=40.2km s-min=18.6km az=150.0

KRNET 26 00:45:13.2,0.1,40.17N;71.71E,h12km,mb3.3, NNC 26 00:45:14.4,1.6,40.08N;71.77E,h0km,mb3.8,mpv3.5, Error ellipse: s-maj=16.0km s-min=7.0km az=18.0

SOME 26 00:45:16.0,40.30N;71.70E,h5km ISC 26 00:45:14.6,1.1,40.08N;71.58E,0.02,h15km,gkm, n57,az56/92,mb3.9/3,14C-32D,Tajikistan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Rows include stations like Batken, Karayim, Kurchatov Arra, etc.





Table of astronomical observations for 2012 May, including stations like COLA, PGC, IRK, etc., and objects like STHS, HUMR, DRGR, etc.

Table of astronomical observations for 2012 May, including stations like STHS, HUMR, DRGR, etc., and objects like STHS, HUMR, DRGR, etc.

Table of astronomical observations for 2012 May, including stations like ABTA, BCLA, WTTA, etc., and objects like ABTA, BCLA, WTTA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KURBS, BVAR, YKA, FINES.

DDA 26 01:17:23.9, 39.93N, 31.60E, h11km, ML2.3
ISK 26 01:17:23.9, 39.95N, 31.59E, h5km, ML2.5
ISCJB 26 01:17:24.0, 39.96N, 0.03, 31.58E, 0.03, h3km, gkm, Error ellipse: s-maj=4.9km s-min=3.6km az=145.9

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AMUHI, SVRHR, AUSUV, MDUB, ESKT, CMDR, BORA, LOD, BCAM, GULT, KIZT, AUBOZ, AFRS, BBAL, KDHN, SHUT, TVSB, KAMT.

NIED 26 01:18:00.36, 80N, 141.20E, h56km, Mw3.6 Best double couple: M2.88000, 1.014, NP1.3245, 0.0000, 1.50, 0.0000, NP2.317, 0.0000, 0.61, 0.0000, 1.119, 0.0000

JMA 26 01:18:27.9, 0.1, 36.76N, 141.11E, h30km, Mw3.5, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ONAJ, JHO, JFK, JYT, JFT, JST, IMAT, MAT.

IDC 26 01:19:18.7, 0.6, 13.29N, 92.29W, h0km, mb4.4/18, mb1.4, 6/21, mb1mx4.4/43, mbimp4.4/21, ML4.4, MS3.6/23, Ms1.3, 7/23, ms1mx3.5/42, Error ellipse: s-maj=25.7km s-min=12.7km az=46.0

MOS 26 01:19:22.7, 0.9, 13.61N, 92.09W, h27km, mb4.9/44, Error ellipse: s-maj=10.8km s-min=5.0km az=104.4
ISCJB 26 01:19:23.0, 0.1, 13.59N, 0.02, 92.19W, 0.02, h3km, gkm, mb4.7/23, MS3.6/21, Error ellipse: s-maj=3.9km s-min=2.0km az=32.1

UCR 26 01:19:24.6, 3.0, 13.30N, 92.27W, h35km, 181km, ML4.6, mb4.7(NEIC)

GCMT 26 01:19:28.4, 0.5, 13.49N, 92.57W, h14km, 1km, MW4.8/80, Moment Tensor Solution, s26, c32, s80, c101; Duration: 0 Moment tensor: Scale 1016Nm; Mr=2.12e-15; Mw=1.57e-10; Mo=0.54e-09; Mo=0.85e-22; Mw=0.66e-07; Mw=0.42e-29; Best double couple: M2.19500, 1.016, NP1.3279, 0.0000, 1.55, 0.0000, 1.108, 0.0000, NP2.3130, 0.0000, 1.33, 0.0000, 1.65, 0.0000; Principal axes: T 1.9790, Plg2.0000, Azm2.0000; N 0.4260, Plg1.0000, Azm2.0000; P -2.4120, Plg2.0000, Azm141.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s.

NEIC 26 01:19:28.4, 0.6, 13.55N, 92.04W, h65km, 5km, mb4.7/210, MD4.6(MEX) Error ellipse: s-maj=4.9km s-min=2.9km az=218.0

MEX 26 01:19:32.7, 0.7, 14.08N, 92.54W, h17km, 153km, MD4.3, ISC 26 01:19:23.2, 1.0, 13.37N, 0.06, 92.34W, 0.06, h2km, gkm, n675, 0134/697, mb4.8/217, MS3.7/21, 3C-10, Off coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IXG, APG, APG, PCIG, RTR, SBL, SBL, SNJE, CEDA.

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CEDA, CCIG, BOOS, UJES, MTO3, LOMA, LOMA, LFLU, LFLU, LBR5, PAVA, SNVI, SNVI, TGIG, TGIG, TGIG, PACA, PACA, LCMY, LCMY, VSM, VSM, LNSD, LNSD, CNCH, CNCH, CMIG, CMIG, CRZI, CRZI, CRZI, VCR, VCR, MESS, MESS, CUI, CUI, JTS, JTS, JTS, JTS, MYIG, MYIG, CGA2, CGA2, GCR1, GCR1, URSO, URSO, BUS, BUS, BRUI, BRUI, BCIP, BCIP, LNIG, LNIG, 833A, 833A, 447A, 447A, DWPF, DWPF, 342A, 342A, 345A, 345A, 435B, 435B, HELC, HELC, HELC, HELC, 344A, 344A, ZARC, ZARC, 553A, 553A, 367A, 367A, BRAL, BRAL, BRAL, BRAL, JCT, JCT, JCT, JCT, 348A, 348A, NATX, NATX, NATX, NATX, 243A, 243A, 554A, 554A, 349A, 349A, GUYC, GUYC, 241C, 241C, 452A, 452A, 240A, 240A, 244A, 244A, 245A, 245A, 245A, 245A, 555A, 555A, 657A, 657A, POPC, POPC, 351C, 351C, 453A, 453A, 247A, 247A, 566A, 566A, OTAV, OTAV, OTAV, OTAV, 454A, 454A, TXAR, TXAR, TXAR, TXAR, TX31, TX31, 248A, 248A, WHTX, WHTX.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WHTX, 249A, SOTA, 143A, 352A, 145A, 455A, 250A, 353A, 147A, SLBS, 148A, ROSC, 251A, TIGA, TIGA, 456A, PRAC, 149A, Z41A, Z41A, 252A, Z42A, Z42A, Z44A, 355A, 246A, 150U, BARC, Z45A, 253A, 151A, Z47A, LRAL, LRAL, 356A, WLAR, 254A, ABTX, ABTX, CHIC, RUSC, RUSC, Y42A, Y42A, Z48A, Y41A, Z49A, CCAR, Y43A, Y45A, Y44A, Z50A, Y46A, 153A, Y47A, 256A, 154A, Y48A, X40A, X40A, Y49A, X43A, X39A, MIAR, MIAR, MIAR, X44A, X45A, 155A, OXF, OXF, OXF, Y50A, UALR, X46A, X47A, GOGA, GOGA, GOGA, X48A, W41B, W41B, W41B, W40A.

26d 1h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like GD12, X49A, SDV, SDV, SDV, W39A, W39A, MNTX, MNTX, WHAR, PLAL, WMOK, WMOK, WMOK, W47A, W48A, V41A, V40A, V40A, V40A, V42A, V39A, SWET, MSTX, MSTX, HALT, V46A, TUL1, TUL1, V47A, V48A, U40A, U41A, U42A, U39A, WVT, WVT, WVT, WVT, AMTX, AMTX, CPCT, U45A, JSC, JSC, U44A, U46A, PBMO, U47A, T39A, T41A, T42A, U48A, T38A, T40A, T43A, 121A, 319A, KMSC, KMSC, T46A, T47A, S41A, S40A, S43A, S38A, T48A, S39A, S42A, S44A, TZTN, TZTN, BNM, LPM, S46A, FVM, CCM, CCM, CCM, ATAH, ATAH, R38A, R40A, S48A.

2012 MAY

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like R41A, USIN, R42A, R39A, LAZ, R43A, R44A, ANMO, ANMO, ANMO, ANMO, ANMO, R45A, R46A, SLM, SLM, NCAT, TUC, TUC, TUC, WCI, WCI, WCI, R47A, CNNC, CNNC, Q42A, Q41A, Q38A, Q40A, OLIL, Q43A, Q39A, R48A, Q44A, SJG, Q45A, KSU1, KSU1, Q47A, T25A, T25A, P39B, P39A, BLA, BLA, P40A, P42A, P37A, P38A, CBK5, CBK5, CBK5, P44A, BLO, WVCC, P41A, P43A, 214A, P45A, X18A, P46A, P47A, O40A, O41A, O44A, SDCO, SDCO, O45A, X16A, HDIL, HDIL, PCRV, SFIN, SFIN, O47A, N38A, N37A, JSRW, 113A, S22A, S22A, IP07.

1636

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like N44A, N43A, IP05, IP05, N45A, SPRD, MVCO, MVCO, N46A, Q24A, M41A, M38A, ACSO, ACSO, M39A, CBN, CBN, M43A, M44A, GLA, GLA, GLA, MCWV, PV01, L40A, L42A, L41A, PV15, PDMO, SMCO, ISCO, ISCO, ISCO, L43A, IKP, W13A, BC3, K41A, K39A, SDMD, O56A, O56A, JFWS, JFWS, JFWS, NNA, N54A, N54A, XPFO, PFO, PFO, N23A, SSPA, SSPA, GMRC, MVL, M54A, MTPU, SZCU, SZCU, ECSD, ECSD, CCUT, I42A, I42A, I38A, I43A, SHPR, LUPA, N59A, N59A, RWVW, H36A, H32A, BRNJ, H33A, PSUT, MPU, TYN0, KSPA.





n17, e1578/26, 4C-3D. Off coast of northern Chile

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
PB02	IPOC Station P	1.51	93U	eP	Pg	02 30 18.5	+0.7
PB02				eS	Pg	02 30 38.1	+0.8
PB02				IAML		02 30 38.7	
comp=N,81nm,0.3s							
PB07	IPOC Station P	1.59	108	eP	Pg	02 30 19.9	+0.6
PB07				eS	Pg	02 30 40.4	+0.5
PB04	IPOC Station P	1.67	131U	eP	Pg	02 30 21.2	+0.4
PB04				eS	Pg	02 30 43.6	+1.2
PB04				IAML		02 30 44.8	
comp=N,575nm,0.5s							
PB01	IPOC Station P	1.90	84U	eP	Pb	02 30 24.1	+0.4
PB01				iS	Sb	02 30 47.9	+0.3
PB01				IAML		02 30 48.6	
comp=N,387nm,0.3s							
PSGC	Pisagua	2.09	39U	eP	Pn	02 30 23.4	-0.8
PSGC				eS	Pn	02 30 47.2	-3.2
PSGC				iS	Pn	02 30 29.6	-1.1
PSGC				Sg	Pn	02 30 56.9	-2.1
PSGC				Pn	Pn	02 30 27.2	+0.5
PSGC				iS	Pn	02 30 54.0	-1.1
PSGC				IAML		02 30 54.5	
comp=N,687nm,0.3s							
PB10	IPOC Station P	2.43	159U	eP	Pb	02 30 30.5	-2.1
PB10				eS	Sb	02 30 53.9	-3.6
PB10				IAML		02 30 53.9	
comp=N,194nm,0.2s							
PB15	IPOC Station P	2.72	136U	eP	Pb	02 30 30.6	-1.7
PB15				iS	Sb	02 31 09.5	-1.7
PB12	IPOC Station P	2.84	23	eP	Pn	02 30 32.9	-1.6
PB16	IPOC Station P	3.45	33U	eP	Pn	02 30 43.2	-0.1
GO02	Mina Guanaco	4.28	156	eP	Pn	02 30 57.3	+2.8
LPAZ	La Paz	5.88	34	Pn	Pn	02 31 19.5	+2.9
comp=N,0.6nm,0.3s,baz=211,slow=5.4,SNR=16							
SIV	San Ignacio	11.19	64	Pn	Pn	02 32 30.2	+1.2
comp=N,0.2nm,0.3s,baz=250,slow=16,SNR=5.1							
KOWA	Kowa	75.15	66	P	P	02 41 33.4	+1.5
comp=N,0.9nm,0.6s,baz=243,slow=6.8,SNR=2.9							
TORD	Torodi Ar. Bea	79.56	71	P	P	02 41 58.0	+1.3
comp=N,0.8nm,0.7s,baz=250,slow=5.4,SNR=6.7							
MAKAR	Makanchi Array	146.81	34	PKPbc	PKPbc	02 49 32.4	+1.0
comp=N,0.9nm,0.9s,baz=299,slow=2.5,SNR=3.8							

BEO 26 02:30:20.2,0.7,45:88N,27:56E,h105km,4km  
 SIGU 26 02:30:24.7,1.1,45:8N,0.7,26:8E,0.8,h133km,1km,  
 mb3.5/10  
 ISCJB 26 02:30:25.1,0.2,45:75N,0.01,26:73E,0.02,h127km,2km,  
 mb3.6/11,Error ellipse: s-maj=2.5km s-min=2.2km  
 az=162.5  
 MOS 26 02:30:25.1,1.3,45:75N,26:82E,h130km,mb3.7/7,Error  
 ellipse: s-maj=7.9km s-min=5.6km az=87.5  
 NEIC 26 02:30:26.4,0.0,45:75N,26:71E,h120km,mb4.5/1,  
 ML4.0(BUC),After BUC.  
 CSEM 26 02:30:26.2,0.1,45:75N,26:69E,h121km,1km,mb3.8/5,  
 Error ellipse: s-maj=2.9km s-min=2.5km az=151.0  
 IDC 26 02:30:26.8,0.8,45:72N,26:66E,h116km,2km,mb3.3/8,  
 mb1.3,2/12,mb1mx3.1/5.5,mbtmp3.5/12,MS2.8/1,  
 Ms1.2,0/1,ms1mx2.0/39,Error ellipse: s-maj=19.0km  
 s-min=14.4km az=131.0  
 BUC 26 02:30:26.5,0.5,45:76N,26:70E,h122km,1km,MD4.3/7,  
 Error ellipse: s-maj=4.1km s-min=3.6km az=325.0  
 ISC 26 02:30:26.2,0.6,45:75N,0.02,26:71E,0.02,h125km,4km,  
 n313,σ1542/416,mb3.6/11,73C-64D,Romania

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
PLOA	Plostina	0.11	339U	iP	Pn	02 30 43.2	-0.2
PLOA				iS	Pn	02 30 43.2	-0.2
PLOA				iS	Pn	02 30 55.5	-0.9
PLOA				iS	Pn	02 30 43.2	-0.2
PLOA				iS	Pn	02 30 55.5	-0.9
VRI	Vrincioaia	0.12	7U	iP	Pn	02 30 43.3	-0.1
VRI				iS	Pn	02 30 43.3	-0.1
VRI				iS	Pn	02 30 55.4	-0.9
VRI				iS	Pn	02 30 43.3	-0.1
VRI				iS	Pn	02 30 43.3	-0.1
VRI				iS	Pn	02 30 55.5	-0.9
VRI				iS	Pn	02 30 43.3	-0.1
PETR	Petresti	0.37	93U	iP	Pn	02 30 44.3	+0.3
PETR				iS	Pn	02 30 57.5	-0.1
PETR				iS	Pn	02 30 44.3	+0.3
PETR				iS	Pn	02 30 57.5	-0.1
PETR				iS	Pn	02 30 44.3	+0.3
GRER	Grădina	0.41	153U	iP	Pn	02 30 45.4	+1.1
GRER				iS	Pn	02 30 45.4	+1.1
GRER				iS	Pn	02 30 45.4	+1.1
MLR	Muntele Rosu	0.59	245	LR	LR	02 30 33.2	
comp=Z,8.8nm,18.4s,baz=29,slow=12							
MLR				P	Pn	02 30 45.7	+0.2
comp=N,0.3s,baz=36,slow=17,SNR=3247							
MLR				S	Pn	02 30 59.0	-1.0
117nm,0.3s,baz=73,slow=19,SNR=100							
MLR	Muntele Rosu	0.59	245	eP	Pn	02 30 45.7	+0.2
MLR				eS	Pn	02 30 59.2	-0.9
MLR				eS	Pn	02 30 45.8	+0.3
MLR				eS	Pn	02 30 45.8	+0.3
MLR				eS	Pn	02 30 59.8	+0.0
MLR				eS	Pn	02 30 45.5	0.0
MLR				eS	Pn	02 30 59.2	-0.9
baz=5.0							
MLR	Muntele Rosu	0.59	245	eP	Pn	02 30 45.5	0.0
ISR	Istrita	0.64	191U	iP	Pn	02 30 46.3	+0.5
ISR				iS	Pn	02 30 46.3	+0.5
ISR				iS	Pn	02 30 46.3	+0.5
ISR				iS	Pn	02 30 46.3	+0.5
ISR				iS	Pn	02 30 46.3	+0.5
TESR	Tescani	0.77	357	iP	Pn	02 30 45.5	-1.2
TESR				iS	Pn	02 30 45.5	-1.2
TESR				iS	Pn	02 30 45.5	-1.2
TESR				iS	Pn	02 30 45.5	-1.2
SECR	Secur	0.77	357U	iP	Pn	02 30 48.0	+0.7
SECR				iS	Pn	02 30 48.0	+0.7
SECR				iS	Pn	02 31 04.1	+0.9
SECR				iS	Pn	02 30 48.0	+0.7
SECR				iS	Pn	02 31 04.1	+0.9
PGOR	Pogoanele	0.86	167U	iP	Pn	02 30 47.9	+0.5
PGOR				iS	Pn	02 30 47.9	+0.5
PGOR				iS	Pn	02 31 04.2	+0.8
PGOR				iS	Pn	02 30 47.9	+0.5
PGOR				iS	Pn	02 31 04.2	+0.8
DOPR	Dopca	0.95	284U	iP	Pn	02 30 48.3	+0.1
DOPR				iS	Pn	02 30 48.3	+0.1
DOPR				iS	Pn	02 31 04.2	+0.7
DOPR				iS	Pn	02 30 48.3	+0.1
DOPR				iS	Pn	02 31 04.2	+0.7
GJUM	Giurgiuilesti	1.08	103U	iP	Pn	02 30 50.0	+0.5
GJUM				iS	Pn	02 30 50.0	+0.5
GJUM				iS	Pn	02 31 06.7	+0.5
GJUM				iS	Pn	02 30 49.0	+0.5
GJUM				iS	Pn	02 31 06.7	+0.5
SULR	Sulz	1.11	197U	iP	Pn	02 30 50.5	+0.7
SULR				iS	Pn	02 30 50.5	+0.7
SULR				iS	Pn	02 31 08.3	+0.6
SULR				iS	Pn	02 30 50.5	+0.7
SULR				iS	Pn	02 31 08.3	+0.6
SULR				iS	Pn	02 30 50.5	+0.7
SULR				iS	Pn	02 31 08.3	+0.6
CFR	Carcaliui	1.16	119U	iP	Pn	02 30 50.4	+0.2
CFR				iS	Pn	02 30 50.4	+0.2
CFR				iS	Pn	02 31 07.4	-1.0
CFR				iS	Pn	02 30 50.4	+0.2
CFR				iS	Pn	02 31 07.4	-1.0
CFR				iS	Pn	02 30 50.4	+0.2
VOIR	Voivod	1.20	256U	iP	Pn	02 30 50.8	0.0
VOIR				iS	Pn	02 30 50.8	0.0
VOIR				iS	Pn	02 31 08.1	-1.4
VOIR				iS	Pn	02 30 50.8	0.0
VOIR				iS	Pn	02 31 08.1	-1.4
VOIR				iS	Pn	02 30 50.8	0.0
AMRR	Amara	1.22	158	iP	Pn	02 30 51.4	+0.5
AMRR				iS	Pn	02 30 51.4	+0.5

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
AMRR	Amara	1.22	158	iP	Pn	02 30 51.4	+0.2
AMRR				iS	Pn	02 30 51.4	+0.5
AMRR				iS	Pn	02 30 51.4	+0.2
AMRR				iS	Pn	02 30 51.4	+0.5
AMRR				iS	Pn	02 30 51.4	+0.2
AMRR				iS	Pn	02 30 51.4	+0.5
GIRR	Girov	1.22	353U	iP	Pn	02 30 51.1	+0.2
GIRR				iS	Pn	02 30 51.1	+0.2
GIRR				iS	Pn	02 30 51.1	+0.2
GIRR				iS	Pn	02 30 51.1	+0.2
GIRR				iS	Pn	02 30 51.1	+0.2
JOSR	Joseni	1.27	320U	iP	Pn	02 30 51.5	0.0
JOSR				iS	Pn	02 30 51.5	0.0
JOSR				iS	Pn	02 30 51.5	0.0
JOSR				iS	Pn	02 30 51.5	0.0
JOSR				iS	Pn	02 30 51.5	0.0
MTUR	Matau	1.27	246U	iP	Pn	02 30 52.2	+0.7
MTUR				iS	Pn	02 30 52.2	+0.7
MTUR				iS	Pn	02 30 52.2	+0.7
MTUR				iS	Pn	02 30 52.2	+0.7
MTUR				iS	Pn	02 30 52.2	+0.7
LEOM	Leova	1.29	55U	iP	Pn	02 30 51.9	+0.3
LEOM				iS	Pn	02 30 51.9	+0.3
LEOM				iS	Pn	02 30 51.9	+0.3
LEOM				iS	Pn	02 30 51.9	+0.3
LEOM				iS	Pn	02 30 51.9	+0.3
LEOM				iS	Pn	02 30 51.9	+0.3
HARR	Harsova	1.36	140U	iP	Pn	02 30 52.6	+0.2
HARR				iS	Pn	02 30 52.6	+0.2
HARR				iS	Pn	02 30 52.6	+0.2
HARR				iS	Pn	02 30 52.6	+0.2
HARR				iS	Pn	02 30 52.6	+0.2
HARR							



26d 2h

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
ALU	Alushta	5.54	98	eP	Pn	02 31 45.2 -1.2
ALU	Alushta	5.54	98	eP	Pn	02 31 45.2 -1.2
ALU	Alushta	5.54	98	eS	Sn	02 32 46.5 -2.4
SUDU	Sudak	5.91	95	p	Pn	02 31 50.5 -0.9
SUDU	SUDU			Pm	Pn	02 31 52.0
SUDU	SUDU			S	Sn	02 32 55.4 -2.5
SUDU	SUDU			Sm	Pn	02 32 56.8
SUDU	Sudak	5.91	95	iP	Pn	02 31 50.5 -0.9
SUDU	Sudak	5.91	95	iP	Pn	02 31 50.5 -0.9
SUDU	Sudak	5.91	95	iS	Sn	02 32 55.4 -2.5
SUDU	Sudak	5.91	95	iS	Sn	02 31 56.6 -0.1
FNA	Florina	6.30	220	ePn	Pn	02 31 56.6 -0.1
FNA	Florina	6.30	220	eP	Pn	02 31 56.7 -0.1
FNA	Florina	6.30	220	eP	Pn	02 31 56.7 -0.1
TTG	Podgorica	6.31	241	ePn	Pn	02 31 56.2 -0.5
TTG	TTG			eSn	Pn	02 33 07.0 -0.5
TTG	Podgorica	6.31	241	eP	Pn	02 31 56.2 -0.5
TTG	Podgorica	6.31	241	eP	Pn	02 33 07.0 -0.5
TTG	Podgorica	6.31	241	eP	Pn	02 33 07.0 -0.5
TTG	Podgorica	6.31	241	eP	Pn	02 33 07.0 -0.5
BLY	Banja Luka	6.80	265	ePn	Pn	02 32 03.3 -0.1
BLY	Banja Luka	6.80	265	ePn	Pn	02 32 03.3 -0.1
ILGA	ilgaz	6.93	130	ePn	Pn	02 32 06.4 +1.0
ILGA	ilgaz	6.93	130	ePn	Pn	02 32 06.4 +1.0
STON	Sifon	7.07	249	ePn	Pn	02 32 07.6 +0.6
STON	STON			Sn	Pn	02 33 23.7 -2.2
AGG	Agios Georgios	7.46	207	ePn	Pn	02 32 14.5 +2.1
AGG	Agios Georgios	7.46	207	ePn	Pn	02 32 14.5 +2.1
AGG	Agios Georgios	7.46	207	eP	Pn	02 32 14.5 +2.1
BRTR	Keskin Array B	7.89	137	p	Pn	02 32 18.0 -0.2
BRTR	comp=Z,0.1nm,0.3s,baz=302,slow=9.6,SNR=3.0			S	Sn	02 33 43.2 -2.7
GERES	GERESS Array B	9.37	294	p	Pn	02 32 39.5 +1.4
GERES	comp=Z,0.1nm,0.3s,baz=108,slow=1.3,SNR=5.7			P	Pn	02 32 41.0 +2.9
TIP	Timpagrande	9.85	232	ePn	Pn	02 32 45.1 +0.5
TIP	Timpagrande	9.85	232	ePn	Pn	02 32 45.1 +0.5
WSR	Storzhevoje	9.91	52	eP	Pn	02 32 44.5 -0.8
WSR	comp=Z,6.0nm,0.3s			pmax	pmax	
LPSR	Galich ya Gora	10.53	45	eP	Pn	02 32 51.9 -1.7
LPSR	comp=Z,10.0nm,0.6s					
LPSR	Galich ya Gora	10.53	45	eP	Pn	02 32 51.9 -1.7
LPSR	comp=Z,10.0nm,0.6s			pmax	pmax	
OBN	Obninsk	11.28	30	iP	Pn	02 33 04.7 +1.2
OBN	OBN			eS	Sn	02 33 04.3 -3.3
OBN	OBN			pmax	pmax	
FUORN	Ofenpass-Fuorn	11.44	280	ePn	Pn	02 33 05.8 -0.2
FUORN	Ofenpass-Fuorn	11.44	280	ePn	Pn	02 33 05.8 -0.2
KIV	Kislovodsk	11.49	93	ePn	Pn	02 33 03.4 -3.0
KIV	Kislovodsk	11.49	93	ePn	Pn	02 33 03.4 -3.0
FIAl	FINESS Array S	15.73	359	ePn	Pn	02 33 58.3 -2.3
FINES	FINESS Array B	15.73	359	p	Pn	02 33 57.2 -3.4
FINES	comp=Z,0.1nm,0.3s,baz=184,slow=11,SNR=6.6			iP	Pn	02 33 57.9 -2.7
FINES	FINESS Array B	15.73	359	iP	Pn	02 33 57.9 -2.7
FINES	comp=Z,7.0nm,1.2s			pmax	pmax	
HFS	Hagfors	16.36	336	p	P	02 34 09.4 +0.6
HFS	comp=Z,0.1nm,0.3s,baz=146,slow=14,SNR=3.5			P	P	
KLMR	Klimovskoe	16.91	22	eP	Pn	02 34 11.5 -3.4
KLMR	comp=Z,4.0nm,1.2s			pmax	pmax	
KLMR	Klimovskoe	16.91	22	ePn	P	02 34 11.5 -3.4
KLMR	comp=Z,4.0nm,1.2s			AMP	P	02 34 12.3
EKA	Eskdalemir Ar	21.12	308	p	P	02 35 03.1 +2.5
EKA	comp=Z,0.3nm,0.5s,baz=98,slow=9.6,SNR=2.8			P	P	
AKTO	Aktjubinsk	21.34	66	p	P	02 35 08.2 +5.1
AKTO	comp=Z,0.9nm,0.5s,baz=251,slow=5.3,SNR=4.7			LR	LR	02 45 31.0
ARU	Arti	22.48	50	iP	P	02 35 16.5 +1.7
ARU	ARU					02 35 41.7
ARU	comp=Z,5.0nm,1.7s			pmax	pmax	
ARCES	ARCCESS Array B	23.86	359	p	P	02 35 28.8 +1.2
ARCES	comp=Z,1.1nm,0.6s,baz=171,slow=8.6,SNR=5.9			P	P	
ARCES	ARCCESS Array B	23.86	359	eP	Pn	02 35 29.0 +1.4
ARCES	comp=Z,1.0nm,0.6s			pmax	pmax	
SPITS	Spitsbergen Ar	32.80	356	p	P	02 36 45.2 -1.7
SPITS	comp=Z,2.1nm,0.9s,baz=150,slow=9.3,SNR=3.8			P	P	
ZALV	Zalesovo Beam	37.39	56	p	P	02 37 28.2 +1.6
ZALV	comp=Z,0.7nm,0.3s,baz=278,slow=9.8,SNR=2.9			P	P	
MKAR	Makanchi Array	37.75	68	p	P	02 37 32.2 +2.4
MKAR	comp=Z,0.4nm,0.4s,baz=275,slow=7.8,SNR=7.4			P	P	
MKAR	Makanchi Array	37.75	68	eP	Pn	02 37 31.4 +1.6
TORD	Tordi Ar	38.78	221	p	P	02 37 39.9 +1.3
TORD	comp=Z,0.4nm,0.3s,baz=30,slow=8.6,SNR=1.7			P	P	
DBIC	Dimbokro	47.54	225	p	P	02 38 49.2 +0.2
DBIC	comp=Z,2.1nm,0.8s,baz=12,slow=10,SNR=7.8			P	P	
SONM	Songino Array	52.27	57	p	P	02 39 27.2 +2.7
SONM	comp=Z,0.4nm,0.6s,baz=292,slow=9.0,SNR=2.5			P	P	
YKA	Yellowknife Ar	67.76	342	p	P	02 41 10.9 +1.1
YKA	comp=Z,0.3nm,0.5s,baz=31,slow=5.9,SNR=5.7			P	P	
YKA	Yellowknife Ar	67.76	342	eP	P	02 41 11.0 +1.2

CSEM 26 02:32:35.0±0.2,44°88N-11°17'E, h8km, ML2.2, Error ellipse: s-maj=5.6km s-min=3.4km az=90.0

ROM 26 02:32:35.0±0.0,44°856N-0°00'11.140E,0°00'11, h5km, ML2.2/14,7C-8D, Northern Italy

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
T0802	SanFelice sul	0.04	50	iP	Pg	02 32 36.6 +0.4
T0802	T0802			Sg	Pg	02 32 38.9 +1.8
T0802	SanFelice sul	0.04	50	iP	Pg	02 32 36.6 +0.4
T0813	Massa Finalese	0.05	57	iP	Pg	02 32 36.8 +0.5
T0813	T0813			eS	Pg	02 32 39.4 +2.1
T0813	Massa Finalese	0.05	57	iP	Pg	02 32 36.8 +0.5
T0800	Massa Finalese	0.08	91	eP	Pg	02 32 37.4 +0.7
T0800	T0800			eS	Pg	02 32 40.3 +2.4
T0800	Massa Finalese	0.08	91	eP	Pg	02 32 37.4 +0.7
T0800	comp=E,13500um,0.3s			AML	AML	
T0800	comp=N,11835um,0.1s			AML	AML	
T0800	comp=E,12400um,0.2s			AML	AML	
T0800	comp=N,11805um,0.2s			AML	AML	
T0811	Palata Pepoli	0.09	137	iP	Pg	02 32 37.5 +0.6
T0811	T0811			eS	Pg	02 32 40.6 +2.3
T0811	Palata Pepoli	0.09	137	eP	Pn	02 32 37.5 +0.6
RAVA	Ravarino	0.10	189	iP	Pg	02 32 37.9 +0.9
RAVA	RAVA			iS	Pg	02 32 41.5 +3.1
RAVA	Ravarino	0.10	189	iP	Pg	02 32 37.9 +0.9
RAVA	comp=E,8615um,0.1s			AML	AML	
RAVA	comp=N,8660um,0.3s			AML	AML	
RAVA	comp=E,15800um,0.2s			AML	AML	
RAVA	comp=N,44500um,0.4s			AML	AML	
RAVA	comp=N,44500um,0.4s			AML	AML	
RAVA	comp=E,15800um,0.2s			AML	AML	
T0812	Loc. Stoppiaro	0.11	161	eP	Pg	02 32 37.9 +0.6
T0812	Loc. Stoppiaro	0.11	161	eP	Pg	02 32 37.9 +0.6
T0818	Loc. Fossa, Co	0.12	317	iP	Pg	02 32 38.2 +0.8
T0818	Loc. Fossa, Co	0.12	317	eP	Pn	02 32 38.2 +0.8
T0818	Loc. Cortile	0.13	245	iP	Pg	02 32 42.7 +3.7
T0814	Loc. Cortile	0.13	245	iP	Pg	02 32 38.6 +0.9
T0814	T0814			iS	Pg	02 32 42.5 +3.0
T0805	Bondeno (FE)	0.15	62	iP	Pg	02 32 38.6 +0.9
T0805	Bondeno (FE)	0.15	62	iP	Pg	02 32 38.5 +0.6
T0805	Bondeno (FE)	0.15	62	eP	Pn	02 32 38.5 +0.6
T0822	Casumaru (Bond)	0.15	97	iP	Pg	02 32 38.6 +0.7
T0822	T0822			eS	Pg	02 32 42.7 +2.8
T0822	Casumaru (Bond)	0.15	97	iP	Pg	02 32 38.6 +0.7
T0822	comp=E,3440um,0.1s			AML	AML	
T0822	comp=N,2695um,0.4s			AML	AML	
T0822	comp=E,4025um,0.5s			AML	AML	
T0822	comp=N,5045um,0.2s			AML	AML	

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Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
T0822	comp=N,5045um,0.2s			AML	AML	
T0822	T0822			AML	AML	
T0803	Dosso, Cento (	0.17	119	eP	Pg	02 32 39.2 +0.8
T0803	Dosso, Cento (	0.17	119	eP	Pg	02 32 39.2 +0.8
NDIM	Novi di Modena	0.17	282	eP	Pg	02 32 39.0 +0.5
NDIM	comp=E,1905um,0.3s			AML	AML	
NDIM	comp=N,1520um,0.2s			AML	AML	
NDIM	comp=E,1925um,0.3s			AML	AML	
NDIM	comp=N,1480um,0.2s			AML	AML	
NDIM	comp=E,3705um,0.6s			AML	AML	
NDIM	comp=N,3705um,0.2s			AML	AML	
NDIM	comp=E,3815um,0.2s			AML	AML	
NDIM	comp=N,3620um,0.2s			AML	AML	
NDIM	comp=E,3705um,0.6s			AML	AML	
NDIM	comp=N,3705um,0.2s			AML	AML	
NDIM	comp=N,3620um,0.2s			AML	AML	
NDIM	comp=N,686um,0.4s			AML	AML	
T0817	Loc. Veratica,	0.27	58	eP	Pb	02 32 41.3 -0.9
T0817	Loc. Veratica,	0.27	58	eP	Pb	02 32 41.3 -0.9
NOVE	Novellara	0.31	260	AML	AML	
NOVE	comp=N,490um,0.2s			AML	AML	
NOVE	comp=E,696um,0.4s			AML	AML	
NOVE	comp=N,490um,0.2s			AML	AML	
NOVE	comp=E,696um,0.4s			AML	AML	
NOVE	comp=N,490um,0.2s			AML	AML	
FIU	Minerio Fiu	0.33	130	eP	Pg	02 32 42.2 +0.9
FIU	Minerio Fiu	0.33	130	eP	Pg	02 32 42.2 +0.8
FIU	comp=N,248um,0.7s			AML	AML	
FIU	comp=N,256um,1.4s			AML	AML	
FIU	comp=E,280um,0.5s			AML	AML	
FIU	comp=N,264um,0.8s			AML	AML	
FIU	comp=N,264um,0.8s			AML	AML	
FIU	comp=E,280um,0.5s			AML	AML	
ZCCA	Zocca					



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Res. Includes stations like HWUT Hardware Ranch, MOD Modoc Plateau, LZH Lanzhou, DUG Dugway, etc.

BUJ 26 03:27:01.5, 85.90N, 32.20'E, h10km, mb4.9/58, mb5.1/42, MS4.9/47, MS7.4/45
CSEM 26 03:27:01.8, 0.1, 85.95N, 32.24'E, h2km, mb5.0/99, MS4.7, Error ellipse: s-maj=3.8km s-min=2.4km az=80.0
MOS 26 03:27:01.4, 1.0, 85.98N, 32.10'E, h9km, mb5.1/99, MS4.7/45, Error ellipse: s-maj=70.4km s-min=3.5km az=90.3
IDC 26 03:27:01.7, 0.3, 85.99N, 31.45'E, h0km, mb4.5/53, mb1.4/6/57, mb1mx4.5/77, mbtmp4.5/57, ML4.6/2, MS4.6/33, MS1.4/3/33, ms1mx4.5/40, Error ellipse: s-maj=8.8km s-min=7.3km az=86.0
ISCJB 26 03:27:01.5, 0.1, 85.99N, 01:31.3E, 0.2, h10km, mb4.9/262, MS4.7/152, Error ellipse: s-maj=2.7km s-min=1.6km az=149.1
NEIC 26 03:27:03.7, 0.1, 85.94N, 32.19'E, h10km, mb5.1/167, MS4.7/96, Error ellipse: s-maj=3.8km s-min=2.4km az=78.0
GCMT 26 03:27:03.7, 0.1, 85.95N, 30.50'E, h12km, MW5.2/130, Moment Tensor Solution. s67,c95; s130,c258; Duration: 1#0 Moment tensor: Scale 10^17Nm; Mm=0.81+/-0.1; M0=0.69+/-0.1; M2=0.11+/-0.1; Mm=0.06+/-0.03; Mm=0.28+/-0.1; Mm=0.02+/-0.4; Best double couple: M=0.810000x10^17 NPa; 70.000000; 34.700000; 1.86.000000; NP2=0.245,000000; s43,000000; 1.94,000000; Principal axes: T 0.8100, Plg2.00000; Azm158.00000; N 0.0010, Plg3.00000; Azm248.00000; P -0.8110, Plg87.00000; Azm36.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

IEPN 26 03:27:06.0, 85.69N, 34.08'E, h20km, station ZF12 has station magnitude of 4.20
ISC 26 03:27:02.8, 0.6, 85.97N, 03:30.96E, 0.03, h6km, 3km, n990, r164/990, mb5.0/268, MS4.7/154, 24C-15D, North of Svalbard

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Res. Includes stations like ZF12 Zemlya Franca, KBS Kingsbay, SPA0 Spitsbergen Ar, etc.

Table with columns: RES, pmax, pmax. Includes stations like LVZ Lovozero, APATITY, NRX Noril'sk, etc.

Table with columns: YAK, e'PP, sP, etc. Includes stations like YAK, COLA, EGAK, etc.



26d 3h

Table with columns: ID, Name, Time, Altitude, Status, Direction, Speed, Wind, Temp, etc. Includes entries like B35A, WMQ, B32A, etc.

2012 MAY

Table with columns: ID, Name, Time, Altitude, Status, Direction, Speed, Wind, Temp, etc. Includes entries like GNI, E33A, COWI, etc.

1644

Table with columns: ID, Name, Time, Altitude, Status, Direction, Speed, Wind, Temp, etc. Includes entries like ASAJ, BWLO, WLVO, etc.





Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like R11A Troy Canyon, C, 55.25 328 P, P, 03 36 35.3 -1.2.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like NJ2 Nanjing, 58.06 90 eP, pmax, 03 36 55.8 -0.4.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like PKI Pulchoki, 60.28 124 eP, P, 03 37 11.3 -0.7.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JuntasAbangare, Santo Domingo, Santa Domingo, etc.

MAN 26 03:28:35.0, 15:49N:120:51E, h1km, mb4.5, ML3.4, MS3.2, 1D, Luzon

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

IDC 26 03:50:15.0:1.1, 21:98N:144:26E, h0km, mb3.6/5, mb1 3.8/5, mb1mx3/4/64, mbtmp3.6/5, Error ellipse: s-maj=57.3km s-min=22.6km az=94.0, Mariana Islands region

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

ISCJB 26 03:57:13.7:0.5, 22:59N:102:121:97E:0:02, h15km, 4km, Error ellipse: s-maj=3.4km s-min=2.8km az=42.4

JMA 26 03:57:14.6:0.1, 22:62N:121:94E, h22km, M3.8

TAP 26 03:57:15.9, 22:56N:121:87E, h24km, ML3.6

ISC 26 03:57:14.4:1.1, 22:57N:102:121:92E:0:03, h20km, 5km, n100, a0e93/153, 6C-12D, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Luta0, Lan-yu, Chengkung, etc.

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ELDTW, EHY, EHY, TSEB, etc.

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

BJI 26 03:59:43.9, 36:03N:70:74E, h98km, mb4.5/16, mb4.5/10

ISCJB 26 03:59:43.9:0.2, 35:91N:0:02:70:78E:0:03, h110km, mb4.1/44, Error ellipse: s-maj=3.8km s-min=2.8km az=150.5

MOS 26 03:59:44.8:1.2, 36:00N:70:73E, h107km, mb4.0/21, Error ellipse: s-maj=8.9km s-min=5.2km az=94.2

IDC 26 03:59:45.1:2.5, 35:91N:70:71E, h102km, 23km, mb3.8/28, mb1 3.9/34, mb1mx3/8/70, mbtmp4/2/34, Error ellipse: s-maj=13.8km s-min=10.7km az=180.0

NEIC 26 03:59:45.8:0.4, 36:00N:70:72E, h103km, 4km, mb4.3/13, Error ellipse: s-maj=5.7km s-min=4.9km az=140.0

NNC 26 03:59:49.5:1.7, 36:30N:70:55E, h127km, 20km, mb3.8, mpv4.4, Error ellipse: s-maj=15.8km s-min=8.7km az=166.0

ISC 26 03:59:45.0:0.3, 35:94N:0:04:70:75E:0:04, h110km, n167, a2503/189, mb4.1/46, 11C-12D, Hindu Kush region

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

26d 4h

Table of astronomical observations for 26 days and 4 hours. Columns include station name, time, position (RA, Dec), and other parameters like SNR and error.

2012 MAY

Table of astronomical observations for May 2012. Columns include station name, time, position (RA, Dec), and other parameters like SNR and error.

1648

Table of astronomical observations for 1648 hours. Columns include station name, time, position (RA, Dec), and other parameters like SNR and error.



Table with columns: SKY, SKIROS ISLAND, 1.09 264, P, Pb, 05 29 34.0 -0.1, etc. Lists various astronomical objects and their properties.

Table with columns: PLORE, Plostina, 6.86 41/P, Pn, 05 30 56.0 +2.4, etc. Lists astronomical objects with detailed parameters and coordinates.

Table with columns: T0821, comp=E, 23850um, 0.6s, AML, AML, 05 51 23.1 +0.5, etc. Lists astronomical objects with magnitude and classification.





26d 6h

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like LUCF Luceram, ESCA l'Escarene, MON Monaco, etc.

2021 MAY

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like PRA Prague, LOR Lormes, VRAC Vranov, etc.

1652

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like 140A, 341A Kurthwood, 241A Mo Tay, Golden, etc.

Table with columns: EOS1, EOS1, 0.11 255 P, Pn, 06 12 17.0 +0.3, etc. Lists various station codes and their associated data.

IDC 26 06:29:41.2+1.9, 2.09N:101.70W, h0km, mb3.6/6, mb1 4.0/6, mb1mx3.7/42, mbmp3.6/6, MS3.5/18, Ms1 3.5/18, ms1mx3.3/30, Error ellipse: s-maj=86.0km s-min=26.4km az=56.0, Galapagos Triple Junction region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists station codes like CMIG, APG, JTS, etc.

IDC 26 07:08:44.4+1.4, 0.64N:92.84E, h0km, mb3.8/6, mb1 4.0/8, mb1mx3.6/6, mbmp3.8/8, ML3.9/2, MS3.1/4, Ms1 3.1/4, ms1mx2.6/3, Error ellipse: s-maj=42.9km s-min=20.8km az=53.0

NEIC 26 07:08:45.8+0.7, 0.65N:92.76E, h10km, mb4.5/3, Error ellipse: s-maj=14.3km s-min=11.1km az=218.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists station codes like GSI, LHMI, PSI, etc.

ISCJB 26 07:29:08.7+0.5, 39.15N:0.04+29.12E:0.04, h13km, 4km, Error ellipse: s-maj=6.8km s-min=4.5km az=156.4

CSEM 26 07:29:08.5+0.1, 39.15N:20.12E, h15km, ML2.4, Error ellipse: s-maj=2.9km s-min=2.2km az=152.0

DDA 26 07:29:08.7, 39.11N:29.12E, h7km, ML2.5

ISC 26 07:29:08.2, 39.18N:29.11E, h14km, ML2.4/4

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists station codes like SMAA, SIMA, SHAP, etc.

MEX 26 07:30:17.5+0.5, 16.23N:98.20W, h5km, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists station codes like PNIG, VHO, ACX, etc.

MEX 26 07:35:36.6+0.4, 16.54N:93.39W, h171km, 3km, MD3.9, Chiapas

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists station codes like TGIG, PCIG, CCIG, etc.

MEX 26 07:37:00.0+0.6, 16.23N:98.16W, h5km, 4km, MD3.6, Near coast of Guerrero

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists station codes like PNIG, VHO, ACX, etc.

CSEM 26 07:42:41.1, 44.78N:11.18E, h7km, ML2.4/6

ROM 26 07:42:41.1+0.1, 44.856N:0.003+11.179E:0.004, h7km, ML2.4/2, 2C-1D, Northern Italy

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists station codes like T0802, T0803, T0813, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists station codes like T0811, T0812, T0822, etc.

ISCJB 26 07:43:35.0+0.4, 44.88N:0.03+11.25E:0.04, h11km, 3km, Error ellipse: s-maj=5.5km s-min=3.7km az=30.7

ROM 26 07:43:34.5+0.0, 44.840N:0.002+11.215E:0.003, h9km, ML2.5/11

CSEM 26 07:43:34.5+0.2, 44.88N:11.26E, h10km, ML2.5, Error ellipse: s-maj=7.0km s-min=3.4km az=103.0

ISC 26 07:43:35.1+0.8, 44.868N:0.02+11.24E:0.03, h10km, 4km, n58, c067/67, 5C-7D, Northern Italy

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists station codes like T0800, T0803, T0810, etc.

T0812 Loc. Stoppiaro 0.10 11 eP Pg 07 43 37.7 -0.1

T0813 Loc. Stoppiaro 0.10 337 eP Pg 07 43 37.7 -0.1

T0803 Dossa, Cento ( 0.12 139i eP Pg 07 43 37.6 -0.4

T0803 Dossa, Cento ( 0.12 139i eP Pg 07 43 37.6 -0.4

T0803 Dossa, Cento ( 0.12 139i eP Pg 07 43 37.6 -0.4

T0803 Dossa, Cento ( 0.12 139i eP Pg 07 43 37.6 -0.4

T0803 Dossa, Cento ( 0.12 139i eP Pg 07 43 37.6 -0.4

T0803 Dossa, Cento ( 0.12 139i eP Pg 07 43 37.6 -0.4

T0803 Dossa, Cento ( 0.12 139i eP Pg 07 43 37.6 -0.4

T0803 Dossa, Cento ( 0.12 139i eP Pg 07 43 37.6 -0.4

T0803 Dossa, Cento ( 0.12 139i eP Pg 07 43 37.6 -0.4

T0803 Dossa, Cento ( 0.12 139i eP Pg 07 43 37.6 -0.4

T0803 Dossa, Cento ( 0.12 139i eP Pg 07 43 37.6 -0.4

T0803 Dossa, Cento ( 0.12 139i eP Pg 07 43 37.6 -0.4

T0803 Dossa, Cento ( 0.12 139i eP Pg 07 43 37.6 -0.4

T0803 Dossa, Cento ( 0.12 139i eP Pg 07 43 37.6 -0.4

T0803 Dossa, Cento ( 0.12 139i eP Pg 07 43 37.6 -0.4



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H11N3 WAKE ISLAND Hy 27.74 118 T, H11S1 WAKE ISLAND Hy 28.38 120 T, etc.

ISC/JB 26 08:46:51.0, 0.6, 50.16N, 0.04, 19.05E, 0.03, h0km, Error ellipse: s-maj=5.8km s-min=2.4km az=14.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CHZP Chorowz, OJC Ojcow, OKC Ostrava-Krasne, etc.

IDC 26 08:51:55.9, 1.0, 7.38S, 97.72W, h0km, Mb4.0/13, mb1 4.2/13, mb1mx4.0/39, mbmp4.0/13, MS3.3/6, Ms1 3.3/6, ms1mx3.0/34, Error ellipse: s-maj=31.8km s-min=17.7km az=48.0

ISC/JB 26 08:51:56.4, 0.8, 7.45S, 97.76W, 0.1, h10km, Mb4.3/64, MS3.2/6, Error ellipse: s-maj=19.7km s-min=10.5km az=34.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JTS JuntasAbangare, APG El Apazole, BCIP Isla Barro Colo, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PLAL Pickwick Lake, WVT Waverly, T25A Trinidad, SDCO Great Sand Dun, etc.

ellipse: s-maj=1.7km s-min=0.6km az=357.0 CSEM 26 08:52:13.5, 0.1, 34.54N, 24.67E, h30km, mb4.5/37, Error ellipse: s-maj=2.3km s-min=2.3km az=30.0

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

IDC 26 08:52:08.7, 0.5, 34.63N, 24.63E, h0km, mb4.2/28, mb1 4.4/39, mb1mx4.2/75, mbmp4.3/39, ML4.2/8, MS3.3/10, Ms1 3.3/10, ms1mx3.0/50, Error ellipse: s-maj=11.8km s-min=9.5km az=119.0

HLW 26 08:52:11.0, 0.4, 34.78N, 24.86E, h33km, 25km, Md4.3, MI3.9 ISC/JB 26 08:52:11.0, 0.4, 34.78N, 24.70E, 0.02, h27km, 3km, mb4.4/77, MS3.1/1, Error ellipse: s-maj=3.2km s-min=2.7km az=27.7

THE 26 08:52:12.6, 34.55N, 24.67E, h0km, 1km, ML4.2/13, Error ellipse: s-maj=2.9km s-min=1.0km az=184.0

MOS 26 08:52:12.4, 1.0, 34.61N, 24.62E, h39km, mb4.4/29, Error ellipse: s-maj=3.6km s-min=3.6km az=83.1

ATH 26 08:52:13.3, 34.67N, 24.59E, h30km, ML4.1/17, Error

Table with columns for station name, frequency, power, and other technical details. Includes stations like ANAF, MHLO, KARP, SLUM, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like DSF, AYDB, LAKA, LKR, SKY, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MMAI, AMAZ, AMAT, AMZ, AMZ, AMZ, etc.









Table of station data for the 26d 9h period, including station names, coordinates, and various parameters like SNR and phase ID.

Table of station data for the 26d 9h period, continuing from the previous table with station names and coordinates.

Table of station data for the 2012 MAY period, including station names, coordinates, and various parameters like SNR and phase ID.

Table of station data for the 2012 MAY period, continuing from the previous table with station names and coordinates.

CSEM 26 09:43:06.2, 27:07N-53.24E, h14km, ML3.5
THR 26 09:43:06.2, 27:07N-53.24E, h14km, 10km, ML3.5
ISCJB 26 09:43:07.4, 1.7, 27.2N, 0.1:53.2E, 0.1, h10km, Error
ellipse: s-maj=20.5km s-min=10.1km az=140.2
TEH 26 09:43:07.9, 27:14N-53.27E, h5km, ML3.4
ISC 26 09:43:06.8, 2.7, 1.1N, 0.1:53.2E, 0.1, h10km, n14,
r=1929/16, Outer Earth

Table of station data for the 2012 MAY period, including station names, coordinates, and various parameters like SNR and phase ID.

KRSC 26 09:43:36.8, 1.4, 52.48N-159.69E, h44km, 18km, ML4.1
MOS 26 09:43:38.0, 0.8, 52.43N-156.59E, h46km, mb, 0.4, Error
ellipse: s-maj=10.6km s-min=4.4km az=93.1
IDC 26 09:43:42.3, 2.0, 52.80N-159.38E, h68km, 16km, mb, 3.0/10,
mb1 3.5/10, mb1mx2.5/7, mbtmp3.6/10, MS3.0/3,
Ms1 3.0/3, ms1mx2.5/7, Error ellipse: s-maj=25.7km
s-min=22.5km az=38.0
ISC 26 09:43:37.2, 1.3, 52.45N-0.04-159.61E, 0.03, h31km, 9km,
n14, r=1979/154, mb3.8/10, MS2.8/3, 1D, Off east coast of
Kamchatka Peninsula

Table of station data for the 2012 MAY period, including station names, coordinates, and various parameters like SNR and phase ID.

Table of station data for the 1660 period, including station names, coordinates, and various parameters like SNR and phase ID.

Table of station data for the 1660 period, including station names, coordinates, and various parameters like SNR and phase ID.

MEX 26 09:43:41.6, 0.5, 14.30N-93.46W, h15km, MD3.9, Near
coast of Chiapas

TGIG 2.00 9 eP Pn 09 44 12.0 -2.9
TGIG 1.00 9 iS Sn 09 44 36.0 -3.6

KRSC 26 09:45:06.0 1.5, 52.46N, 159.67E, h41km, mb4.7
MOS 26 09:45:06.9 1.2, 52.42N, 159.47E, h60km, mb4.2/2.2, Error
ellipse: s-maj=9.7km s-min=3.9km az=92.3

MOS Fell (II-II) at Petropavlovsk-Kamchatsky,
ISCBJ 26 09:45:07.8 0.4, 52.50N, 0.03, 159.51E, 0.05, h62km, 3km,
mb4.1/36, Error ellipse: s-maj=6.5km s-min=3.1km
az=40.4

IDC 26 09:45:09.5 0.7, 52.64N, 159.44E, h63km, 5km, mb3.7/25,
mb1 3.9/26, mb1mx3.8/74, mbtmp4.0/26, MS3.3/1,
Ms1 3.3/12, ms1mx2.9/62, Error ellipse: s-maj=12.9km
s-min=7.5km az=13.0

ISC 26 09:45:08.4 0.6, 52.50N, 0.03, 159.54E, 0.03, h51km, 5km,
n140, s1963/192, mb4.1/37, MS3.3/11, 6C, Off east coast
of Kamchatka Peninsula

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, ISC, Time, Res, ISC. Lists various stations like RUS, MYA, MAJ, etc.

Main table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, ISC, Time, Res, ISC. Lists stations like KLY, KBT, Bering, etc.

NIED 26 09:46:00.47, 00N, 152.70E, h50km, Mw3.9 Best double
couple: Mb8.7000x1014 NP1.9x124.0000x, 851.00000,
lambda-28.00000, NP2.9x233.0000x, 868.00000,
lambda-137.00000

MOS 26 09:46:04.0 0.2, 5, 46.00N, 153.00E, h49km, mb4.4/1, Error
ellipse: s-maj=99.9km s-min=25.4km az=155.9

SKHL 26 09:46:04.1 0.6, 46.00N, 153.33E, h49km, 6km, mb4.8/2
ISC 26 09:45:59.7 2.6, 45.5N, 0.2, 153.8E, 0.2, h35km, n28,
e2947/38, 1C-10, East of Kuril Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, ISC, Time, Res, ISC. Lists stations like KUR, MAJ, MAZ, etc.



1663

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like KOTOKEL, ULAN-YDE, TYRAN, KHAPCHERANGA, etc.

IDC 26 10:59:46.0,0.8,52.14N,171.26W,h0km,mb3,8/16, mb1 3.9/18, mb1mx3.7/84, mb1mp3.8/18, ML3.3/2, Error ellipse: s-maj=24.4km s-min=15.5km az=163.0

ISCJJB 26 10:59:51.2,0.6,52.22N,171.17W,0.0/07,h44km, mb3,8/16, Error ellipse: s-maj=17.5km s-min=3.5km az=163.0

NEIC 26 10:59:51.7,0.0,52.31N,171.28W,h26km,ML3.1(AEIC), After AEIC.

ISC 26 10:59:52.7,0.8,52.22N,171.18W,0.0/06,h44km,n43, c085/42,mb3,8/16, Fox Islands

Main table for station 1663 with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Lists numerous stations like NIKH, ATKA, OKAK, etc.

DDA 26 11:14:31.9,36.86N,34.57E,h7km,MI2.6 ISK 26 11:14:31.8,36.97N,34.49E,h4km,ML2.4/9

ISCJB 26 11:14:32.7,0.5,36.90N,104.34E,0.0/05,h10km,4km, Error ellipse: s-maj=2.9km s-min=4.4km az=117.0

CSEM 26 11:14:32.6,0.2,36.91N,34.54E,h10km,ML2.4, Error ellipse: s-maj=6.7km s-min=3.9km az=137.0

ISC 26 11:14:32.8,0.8,36.90N,104.34E,0.0/03,h10km,5km, n29,c097/41, Turkey

Main table for station 1663 (continued) with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Lists stations like MERSIN, GULEK, KARASALI, etc.

2012 MAY

BUJ 26 11:15:39.1,16.56N,147.90E,h51km,mb4,8/43,mb5,0/33, Ms4.5/28, Ms7 4.2/25

MOS 26 11:15:44.3,0.9,17.06N,147.14E,h41km,mb5,0/34, Error ellipse: s-maj=10.2km s-min=5.8km az=112.8

ISCJJB 26 11:15:45.1,0.2,17.02N,147.18E,0.0/03,h48km, mb4,8/113,MS3,8/38, Error ellipse: s-maj=5.0km s-min=4.0km az=28.9

IDC 26 11:15:45.6,2.3,17.00N,147.28E,h44km,21km,mb4,2/33, mb1 4.3/35, mb1mx4.2/74, mb1mp4.5/35, ML4.7/2, MS3.7/28, Ms1 3.7/28, ms1mx3.5/55, Error ellipse: s-maj=16.3km s-min=9.8km az=28.0

NEIC 26 11:15:46.2,1.0,16.98N,147.22E,h45km,8km,mb4,9/50, Error ellipse: s-maj=5.1km s-min=4.2km az=114.0

ISC 26 11:15:46.5,0.4,16.98N,147.23E,0.0/07,h48km,n242, c1332/250,mb4,8/113,MS3,8/38,10C-10D,Mariana

Main table for station 2012 MAY with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Lists numerous stations like GUMO, GUMU, GUMU, etc.

26d 11h

Main table for station 26d 11h with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Lists numerous stations like AS31, ASAR, ASAR, etc.



26d 11h

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like NWA0 Narrogin (SRO), PKI Pulchok, DMN Daman, etc.

2012 MAY

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ORV Oroville, PRGR Permogore, RES Resolute Bay, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like BJO1 Bjornoya, HSPB Hornsund (broa), etc.



26d 15h

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ASAL Salagasta, CERRO ARCO, RTVC Cerro Valdivia, etc.

ISCJB 26 13:36:23.9.1.5, 36.60N.0.06.21.35E.0.08, h20km, 1.0km, Error ellipse: s-maj=12.2km s-min=6.7km az=146.4

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MES2 Methoni, MES2 PYLOS, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ITM Ithomi, DYR Agios Nikonas, etc.

ISCJB 26 13:40:35.7.0.8, 12.52N.0.1.142.0E.0.2, h33km, mb4.0/12, MS3.2/14, Error ellipse: s-maj=29.0km s-min=16.5km az=0.2

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like GUMO Guam, DAV Davao City, etc.

22 MAY

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like CMAR Chiang Mai Arr, PETK Petrolovske, etc.

ISC 26 14:13:10.2.1.4, 11.18N.86.20W, h0km, mb3.7/3, mb1 4.0/4, mb1mx3.6/39, mbtmp3.7/4, ML3.0/1, Error ellipse: s-maj=87.7km s-min=12.4km az=42.0, Near coast of Nicaragua

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

MEX 26 14:36:17.3.0.4, 13.38N.91.59W, h20km, MD3.9, Near coast of Guatemala

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

ISC 26 14:36:42.6.1.1, 2.40N.90.40E, h0km, mb3.8/11, mb1 3.9/14, mb1mx3.7/70, mbtmp3.8/14, ML3.9/2, MS3.1/6, Ms1 3.1/6, ms1mx2.7/66, Error ellipse: s-maj=31.8km s-min=17.0km az=37.0

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

MEX 26 15:02:13.4.0.7, 16.26N.98.30W, h5km, MD3.8, Near coast of Guerrero

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

DDA 26 15:06:57.8.39.64N.33.27E, h1km, ML2.6, CSEM 26 15:06:58.2.0.2, 39.65N.33.24E, h2km, ML2.4, Error ellipse: s-maj=6.3km s-min=4.2km az=153.0

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

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Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like BAYB BAYBURT, BAYB Ayd-ntepe-Bay, etc.

ISC 26 14:52:05.3.8.2, 15.91S.172.57W, h0km, mb4.3/5, mb1 4.5/5, mb1mx3.8/53, mbtmp4.3/5, Error ellipse: s-maj=182.7km s-min=12.7km az=123.0

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

ISC 26 14:52:58.4.2.5, 14.18N.93.29W, h0km, mb3.7/5, mb1 4.2/8, mb1mx3.8/48, mbtmp3.8/8, ML3.7/3, MS3.2/4, Ms1 3.9/14, ms1mx2.7/45, Error ellipse: s-maj=54.8km s-min=24.5km az=18.0

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

ISC 26 14:53:04.3.1.4, 14.61N.0.10.93.12W.0.07, h16km, n16, c217/15, mb3.8/5, MS3.2/4, Near coast of Chiapas

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

DDA 26 15:06:58.2.0.2, 39.65N.33.24E, h2km, ML2.4, Error ellipse: s-maj=6.3km s-min=4.2km az=153.0

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

ISC 26 15:06:58.5.39.60N.33.23E, h6km, ML2.4/3, ISK 26 15:06:59.1.1.39.61N.0.05.33.24E.0.03, h6km, 2km, n20, c070/30, Turkey

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















26d 17h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like CM01 Chiang Mai Arr, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

2012 MAY

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like PMG comp=Z,14nm,0.8s, baz=168,slow=9.3,SNR=9.2, PMG Port Moresby, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like ULN Ulaanbaatar, MAJO Matushiro, MAJO Matushiro, etc.



Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like NACB Ninganchiao, YHNB Yeheng, NSK Sanguang, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like TWK Hsinying, CHN1 Nanshi, SLGT Liugu, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like GURO Guroymak-BITLI, GURO Guroymak-BITLI, SRMT Siirt\_Merkez, etc.

SANT	Santorini	2.18 298	PN	Pn	17 49 43.9	+0.7
SANT	Santorini	2.18 298	J/P	Pb	17 49 44.3	-2.0
SANT	Santorini	2.18 298	P	Pn	17 49 43.8	+0.6
SANT	Santorini	2.18 298	P	Pn	17 49 43.8	+0.6
SANT	Santorini	2.18 298	ePn	Pn	17 49 43.9	+0.7
THR6	Thira Island	2.21 297	P	Pn	17 49 44.0	+0.3
THR6	Thira Island	2.21 297	P	Pn	17 49 44.0	+0.3
THR2	Thira Island	2.23 299	P	Pb	17 49 45.2	-2.0
THR2	Thira Island	2.23 299	P	Pb	17 49 45.1	-2.0
THR3	Thira Island	2.24 298	P	Pn	17 49 45.0	+1.1
THR3	Thira Island	2.24 298	P	Pn	17 49 45.0	+1.1
THR3	Thira Island	2.24 298	P	Pn	17 49 45.1	+1.1
THR5	Thira Island	2.28 298	P	Pn	17 49 44.6	+0.1
THR5	Thira Island	2.28 298	P	Pn	17 49 44.6	+0.1
GOLH	Golhisar	2.32 36	J/P	S	17 49 45.5	+0.3
GOLH	Golhisar	2.32 36	P	Pn	17 50 14.9	+1.0
GOLH	Golhisar	2.32 36	P	Pn	17 49 45.5	+0.3
GOLH	Golhisar	2.32 36	S	Sn	17 50 14.9	+1.0
GCAM	G?zelcam?!	2.37 348	PN	Pn	17 49 45.7	-0.1
GCAM	G?zelcam?!	2.37 348	ePn	Pn	17 49 45.7	-0.1
IDI	Anoyia	2.42 269	PN	Pb	17 49 48.9	-1.5
IDI	comp=E,2.2nm,0.3s,baz=76,slow=16,SNR=39					
IDI	comp=E,2.2nm,0.3s,baz=83,slow=22,SNR=4.5					
IDI	comp=E,220nm,18.4s,baz=94,slow=65					
IDI	Anoyia	2.42 269	PN	Pb	17 49 48.1	-2.3
IDI	Anoyia	2.42 269	J/P	Pb	17 49 50.8	+0.4
IDI	Anoyia	2.42 269	ePn	Pb	17 49 48.1	-2.3
IDI	Anoyia	2.42 269	J/P	Pb	17 49 50.8	+0.4
SMG	Samos	2.46 341	P	Pn	17 49 46.6	-0.5
SMG	Samos	2.46 341	P	Pn	17 49 46.9	-0.2
SMG	Samos	2.46 341	P	Pn	17 49 47.1	0.0
SIVA	Sivas	2.51 263	P	Pb	17 49 51.7	-0.3
SIVA	Sivas	2.51 263	P	Pb	17 49 50.9	-1.1
APE	Apeiranthos	2.52 313	PN	Pn	17 49 48.6	+0.7
APE	Apeiranthos	2.52 313	J/P	Pn	17 49 48.6	+0.7
APE	Apeiranthos	2.52 313	P	Pn	17 49 47.4	+0.3
APE	Apeiranthos	2.52 313	P	Pn	17 49 48.3	+0.4
APE	Apeiranthos	2.52 313	P	Pn	17 49 48.3	+0.4
APE	Apeiranthos	2.52 313	ePn	Pn	17 49 48.6	+0.7
DE	Denizli	2.56 22	PN	Sn	17 50 17.2	-1.6
DE	Denizli	2.56 22	PN	Sn	17 49 48.5	+0.1
AYDB	Zeytinokoy-Aydi	2.56 1	PN	Pn	17 49 48.1	-0.5
AYDB	Zeytinokoy-Aydi	2.56 1	ePn	Pn	17 49 48.1	-0.5
KORT	Korkueli	2.59 51	J/P	Pn	17 49 49.5	+0.5
KORT	Korkueli	2.59 51	Pn	Pn	17 49 51.1	+2.1
KORT	Korkueli	2.59 51	P	Pn	17 49 49.5	+0.5
KORT	Korkueli	2.59 51	ePn	Pn	17 49 49.5	+0.5
KORT	Korkueli	2.59 51	P	Pn	17 49 51.1	+2.1
KORT	Korkueli	2.59 51	S	Sn	17 50 23.5	+2.7
ANTB	Antalya	2.73 55	PN	Pn	17 49 51.9	+1.1
ANTB	Antalya	2.73 55	Pn	Pn	17 49 51.9	+1.1
BRDR	BURDUR-Merkez	2.92 37	J/P	S	17 49 55.2	+1.7
BRDR	BURDUR-Merkez	2.92 37	P	Sb	17 50 37.5	+2.5
BRDR	BURDUR-Merkez	2.92 37	P	Pb	17 49 55.2	+1.7
VAM	Varnos	2.98 272	P	Pb	17 49 56.7	-3.2
VAM	Varnos	2.98 272	P	Pb	17 49 56.7	-3.2
BLC	Balcova	3.07 348	PN	Pn	17 49 55.4	0.0
BLC	Balcova	3.07 348	P	Pn	17 49 55.4	0.0
URLA	Izmir	3.14 342	PN	Pn	17 49 55.5	-0.9
URLA	Izmir	3.14 342	ePn	Pn	17 49 55.5	-0.9
IMMV	lera Moni Meta	3.16 273	P	Pn	17 49 59.2	+2.6
IMMV	lera Moni Meta	3.16 273	P	Pn	17 49 58.9	+2.3
IMMV	lera Moni Meta	3.16 273	P	Pn	17 49 58.9	+2.3
ISP	Isparta	3.26 41	J/P	Pb	17 50 03.7	-1.0
CHOS	Chios Island	3.33 335	PN	Pn	17 49 59.4	+0.3
CHOS	Chios Island	3.33 335	P	Pn	17 50 04.1	+3.3
CHOS	Chios Island	3.33 335	ePn	Pn	17 49 59.4	+0.3
CHOS	Chios Island	3.33 335	P	Pn	17 50 04.1	+3.3
KEPZ	Antalya-Kepez	3.40 62	J/P	S	17 50 40.3	-0.4
KEPZ	Antalya-Kepez	3.40 62	P	S	17 50 40.3	-0.4
KEPZ	Antalya-Kepez	3.40 62	P	S	17 50 40.3	-0.4
AKMC	Akamak	3.69 94	PN	Pn	17 50 03.5	-0.5
AKMC	Akamak	3.69 94	P	Pn	17 50 03.5	-0.5
PPCY	Paphos	3.72 96	PN	Pn	17 50 04.4	0.0
PPCY	Paphos	3.72 96	P	Pn	17 50 04.4	0.0
ALFC	Alefka	3.90 92	P	Pn	17 50 51.3	-1.5
ALFC	Alefka	3.90 92	P	Sn	17 50 06.3	-0.5
ALFC	Alefka	3.90 92	P	Sn	17 50 51.3	-1.5
SIGR	SIGRI	4.14 338	P	Pn	17 50 10.8	+0.6
SIGR	SIGRI	4.14 338	P	Pn	17 50 10.8	+0.6
SZAC	Souni	4.18 97	P	Pn	17 50 10.4	-0.3
SZAC	Souni	4.18 97	P	Pn	17 50 10.4	-0.3
SZAC	Souni	4.18 97	S	Sn	17 50 58.9	-0.8
SZAC	Souni	4.18 97	S	Sn	17 50 58.9	-0.8
CSS	Mathiatis	4.51 94	P	Pn	17 50 14.7	-0.6
CSS	Mathiatis	4.51 94	Pn	Pn	17 50 14.6	-0.7
CSS	Mathiatis	4.51 94	Pn	Pn	17 50 14.6	-0.7
CSS	Mathiatis	4.51 94	Pn	Pn	17 50 14.6	-0.7
BRTR	Keskin Array B	6.33 45	PN	Pn	17 50 02.2	+1.9
BRTR	comp=E,0.3nm,0.3s,baz=213,slow=15,SNR=1.1					
HNTI	Hanita	6.49 109	PN	Pn	17 51 51.5	-1.2
HNTI	Hanita	6.49 109	Pn	Pn	17 50 42.4	0.0
HNTI	Hanita	6.49 109	Pn	Pn	17 51 54.2	-2.4
HNTI	Hanita	6.49 109	Pn	Pn	17 50 42.4	0.0
HNTI	Hanita	6.49 109	Pn	Pn	17 50 42.4	0.0
OFRI	'Ofar	6.54 113	PN	Pn	17 50 41.8	-1.3
OFRI	'Ofar	6.54 113	Pn	Pn	17 51 55.8	-2.0
OFRI	'Ofar	6.54 113	Pn	Pn	17 50 41.8	-1.3
OFRI	'Ofar	6.54 113	Pn	Pn	17 51 55.8	-2.0
MMAOB	Mount Meron ar	6.69 108	PN	Pn	17 50 44.1	-1.2
MMAOB	Mount Meron ar	6.69 108	Pn	Pn	17 50 44.1	-1.2
MMAOB	Mount Meron ar	6.69 108	Pn	Pn	17 50 44.1	-1.2
MMAOB	Mount Meron ar	6.69 108	Pn	Pn	17 51 59.3	-2.4
MMAI	Mount Meron Ar	6.69 108	PN	Pn	17 50 43.9	-1.4
MMAI	comp=E,5.1nm,0.3s,baz=311,slow=13,SNR=2.1					
MMAI	comp=E,3.2nm,0.3s,baz=312,slow=3,SNR=4.9					
HWQ	Hawqa	6.75 97	PN	Pn	17 50 45.3	-0.9
SLTI	Sal'it	6.76 116	PN	Pn	17 50 44.6	-1.5
SLTI	Sal'it	6.76 116	Pn	Pn	17 52 00.3	-2.9
SLTI	Sal'it	6.76 116	Pn	Pn	17 50 44.6	-1.5
SLTI	Sal'it	6.76 116	Pn	Pn	17 52 00.3	-2.9
KSDI	Kefar Szold	6.83 106	PN	Pn	17 50 45.7	-1.3
KSDI	Kefar Szold	6.83 106	Pn	Pn	17 52 01.9	-3.0
KSDI	Kefar Szold	6.83 106	Pn	Pn	17 50 45.7	-1.3
KSDI	Kefar Szold	6.83 106	Pn	Pn	17 52 01.9	-3.0
KSDI	Kefar Szold	6.83 106	Pn	Pn	17 50 45.7	-1.3
SHBL	Chebaa	6.84 105	PN	Pn	17 50 46.1	0.0
MMLI	Mount Malkishu	6.95 113	PN	Pn	17 50 47.3	-1.5
MMLI	Mount Malkishu	6.95 113	Pn	Pn	17 52 05.1	-2.9
MMLI	Mount Malkishu	6.95 113	Pn	Pn	17 50 47.3	-1.5
MMLI	Mount Malkishu	6.95 113	Pn	Pn	17 52 05.1	-2.9
AMAZ	Amatzia	7.04 121	PN	Pn	17 50 49.6	-0.5
AMAZ	Amatzia	7.04 121	Pn	Pn	17 50 49.6	-0.5
AMAZ	Amatzia	7.04 121	Pn	Pn	17 50 49.6	-0.5
KZIT	Kziot	7.08 127	PN	Pn	17 50 50.0	-0.5
KZIT	Kziot	7.08 127	Pn	Pn	17 52 09.0	-2.1
KZIT	Kziot	7.08 127	Pn	Pn	17 50 50.0	-0.5
KZIT	Kziot	7.08 127	Pn	Pn	17 52 09.0	-2.1
HMDT	Nahal Hemdat	7.11 114	PN	Pn	17 50 49.9	-1.1
HMDT	Nahal Hemdat	7.11 114	Pn	Pn	17 52 08.4	-3.5
HMDT	Nahal Hemdat	7.11 114	Pn	Pn	17 50 49.9	-1.1
HMDT	Nahal Hemdat	7.11 114	Pn	Pn	17 52 08.4	-3.5
YTHR	Yatir	7.28 121	PN	Pn	17 50 53.3	-0.1
YTHR	Yatir	7.28 121	Pn	Pn	17 50 53.3	-0.1
DSI	Dead Sea	7.35 119	PN	Pn	17 50 53.4	-0.9
DSI	Dead Sea	7.35 119	Pn	Pn	17 52 15.7	-2.2
DSI	Dead Sea	7.35 119	Pn	Pn	17 50 53.4	-0.9
DSI	Dead Sea	7.35 119	Pn	Pn	17 52 15.7	-2.2
MZDA	Masada	7.48 121	PN	Pn	17 52 19.2	-1.8
MZDA	Masada	7.48 121	Pn	Pn	17 52 19.2	-1.8
MZDA	Masada	7.48 121	Pn	Pn	17 52 19.2	-1.8
MZDA	Masada	7.48 121	Pn	Pn	17 52 19.2	-1.8
ZFRI	Zifri	7.81 126	PN	Pn	17 51 00.6	0.0
ZFRI	Zifri	7.81 126	Pn	Pn	17 51 00.6	0.0
PRNI	Paran	7.83 128	PN	Pn	17 51 00.4	-0.5
PRNI	Paran	7.83 128	Pn	Pn	17 52 26.8	-3.0

PRNI	Paran	7.83 128	PN	Pn	17 51 00.4	-0.5
PRNI	Paran	7.83 128	Pn	Pn	17 52 26.8	-3.0
VTS	Vitosh	8.06 335	J/P	Pn	17 51 06.0	+1.9
VTS	Vitosh	8.06 335	J/P	Pn	17 51 06.0	+1.9
HRTI	Mount Harif	8.07 129	PN	Pn	17 51 03.5	-0.6
HRTI	Mount Harif	8.07 129	Pn	Pn	17 51 03.5	-0.6
MBRI	Mt Berech	8.16 131	PN	Pn	17 51 05.5	+0.1
MBRI	Mt Berech	8.16 131	Pn	Pn	17 51 05.5	+0.1
ASF	Jabal al Asfar	8.19 110	PN	Pn	17 51 05.8	0.0
ASF	comp=E,0.4nm,0.3s,baz=271,slow=2.7,SNR=3.6					
ASL	comp=E,0.3nm,0.3s,baz=176,slow=19,SNR=2.7					
EIL	Elat	8.27 132	PN	Pn	17 52 37.1	-3.3
EIL	comp=E,0.8nm,0.3s,baz=298,slow=2.1,SNR=15					
EIL	Elat	8.27 132	PN	Pn	17 51 06.7	-0.1
EIL	Elat	8.27 132	Pn	Pn	17 52 38.2	-2.2
EIL	Elat	8.27 132	Pn	Pn	17 51 06.7	-0.1
EIL	Elat	8.27 132	Pn	Pn	17 52 38.2	-2.2
TIRR	Tirguros	9.08 317	PN	Pn	17 51 19.5	+1.6
TIRR	Tirguros	9.08 317	Pn	Pn	17 51 19.5	+1.6
PDG	Podgorica	9.71 319	J/P	Pn	17 51 27.5	+0.9
PDG	Podgorica	9.71 319	J/P	Pn	17 51 27.5	+0.9
ISR	Istrita	9.78 355	J/P	Pn	17 51 29.2	+1.6
ISR	Istrita	9.78 355	J/P	Pn	17 51 29.2	+1.6
CFR	Carcaliu	9.79 17	J/P	Pn	17 51 28.2	+1.0
CFR	Carcaliu	9.79 17	J/P	Pn	17 51 28.2	+1.0
KUBS	Kucevo	10.19 334	eP	Pn	17 51 31.1	-2.0
KUBS	Muntele Rosu	10.21 352	Pn	Pn	17 51 34.8	+1.4
KUBS	comp=E,0.0nm,0.3s,baz=107,slow=6.5,SNR=11					
MLR	comp=E,9.9nm,21.4s,baz=158,slow=40					
MLR	Muntele Rosu	10.21 352	J/P	Pn	17 51 35.3	+1.8
MLR	Muntele Rosu	10.21 352	J/P	Pn	17 51 35.3	+1.8
VRI	Vrincioia	10.51 356	J/P	Pn	17 51 38.3	+0.7
VRI	Vrincioia	10.51 356	J/P	Pn	17 51 38.3	+0.7
BZS	Buzias	11.27 337	J/P	Pn	17 51 49.4	+1.5
BZS	Buzias	11.27 337	J/P	Pn	17 51 49.4	+1.5
GNI	Garni	14.19 65	LR	LR	17 59 15.3	











26d 20h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like KURK Kurchatov, KURBB Kurchatov Arra, PRZ Przheval'sk, etc.

2012 MAY

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like COLA College, CCB Clear Creek Bu, SCM Sheep Creek Mo, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like ARCES ARCESS Array B, ARCS ARCESS Array B, ARO ARCESS Array S, etc.

SOC	eS	S	20 20 54.5	-2.4	
SOC	eSS	SS	20 26 13.0	-2.4	
SOC	pmx	pmx			
F10A	comp=Z,38nm,0.6s				
Beach Ranch, E	79.06	44	eP	P	20 11 40.4 +1.0
ORV	comp=Z,4nm,0.7s				
Oroville	79.13	51	eP	P	20 11 40.1 +0.5
ORV	comp=Z,16nm,1.4s				
Oroville	79.13	51	eP	P	20 11 40.2 +0.5
ORV	pmx	pmx			
J08A	comp=Z,17nm,1.4s				
Circle Bar Ran	79.47	47	eP	P	20 11 42.6 +1.1
BMO	comp=Z,10nm,0.9s				
Blue Mountains	79.53	45	eP	P	20 11 42.6 +0.7
BMO	comp=Z,7.1nm,0.6s				
Blue Mountains	79.53	45	eP	P	20 11 42.6 +0.7
BMO	pmx	pmx			
BEKR	comp=Z,7.0nm,0.6s				
Beckwith	79.78	51	eP	P	20 11 44.4 +1.0
NSS	comp=Z,13nm,0.6s				
Namsos	80.36	340	eP	P	20 11 45.4 -0.2
IZAR	80.42	328	eP	IAMB	20 11 46.6 +0.5
IZAR	IAMB	IAMB			20 11 48.4
IDID	comp=Z,36nm,0.9s				
Didziasalis	80.44	328	eP	P	20 11 46.7 +0.5
IDID	IAMB	IAMB			20 11 48.3
PAHR	comp=Z,22nm,0.7s				
Pah Rah Range	80.53	50	eP	P	20 11 48.3 +1.1
ISAL	comp=Z,9nm,1.6s				
Salakas	80.58	328	eP	IAMB	20 11 47.4 +0.4
ISAL	IAMB	IAMB			20 11 49.1
CMB	comp=Z,26nm,0.8s				
Columbia Colle	80.58	52	eP	P	20 11 48.5 +1.1
CMB	comp=Z,8.5nm,0.8s				
Columbia Colle	80.58	52	eP	P	20 11 48.5 +1.1
CMB	pmx	pmx			
NACGM	comp=Z,7.0nm,1.1s				
Naroch	80.65	328	eP	P	20 11 46.0 -1.3
NACGM	PM	PM			20 11 48.0
PNTR	comp=Z,0.4nm,0.7s				
Pine Nut	80.66	51	eP	P	20 11 49.3 +1.2
IIGN	comp=Z,11nm,0.7s				
ignalina	80.66	328	eP	IAMB	20 11 47.8 +0.5
IIGN	IAMB	IAMB			20 11 49.5
SUMG	comp=Z,14nm,0.8s				
Summit	80.69	360	iP	P	20 11 48.8 +0.9
SUMG	comp=Z,13nm,0.6s				
Summit	80.69	360	eP	P	20 11 48.3 +0.6
SUMG	comp=Z,30nm,1.2s				
Summit	80.69	360	iP	P	20 11 48.8 +0.9
SUMG	pmx	pmx			
YERR	comp=Z,13nm,0.6s				
Yerington	80.95	51	eP	P	20 11 50.8 +1.3
MFID	comp=Z,9.3nm,0.9s				
Camas Ranch	81.15	46	eP	P	20 11 51.1 +0.8
BMN	comp=Z,7.2nm,0.8s				
Battle Mountain	81.66	49	eP	P	20 11 54.2 +1.1
BMN	comp=Z,11nm,1.4s				
Battle Mountain	81.66	49	eP	P	20 11 54.2 +1.1
BMN	pmx	pmx			
KVN	comp=Z,11nm,1.4s				
Kaiserville	81.71	50	eP	P	20 11 54.6 +1.2
KVN	comp=Z,20nm,1.4s				
Kaiserville	81.71	50	eP	P	20 11 54.6 +1.2
KVN	pmx	pmx			
AKASG	comp=Z,20nm,1.1s				
Malin Array Be	81.72	323	P	P	20 11 52.5 -0.4
AKASG	comp=Z,21nm,0.3s,baz=51,slo=10,SNR=228				20 21 21.4 -2.9
AKASG	S	S			
AKASG	comp=Z,0.2nm,0.3s,baz=51,slo=10,SNR=4.1				20 11 52.5 -0.4
AKASG	S	S			20 21 21.4 -2.9
AKASG	pmx	pmx			
AKKB	comp=Z,24nm,0.4s				
Malin Array Si	81.72	323	eP	P	20 11 52.2 -0.7
AKKB	comp=Z,9nm,0.8s				
Malin Array Si	81.72	323	eP	P	20 11 52.2 -0.7
AKKB	pmx	pmx			
AK11	comp=Z,92nm,0.8s				
Malin Array Si	81.77	323	eP	P	20 11 52.2 -1.0
TBLU	comp=Z,1.2nm,1.6s				
Trondheaug	81.80	340	eP	P	20 11 51.3 -1.8
NV01	comp=Z,1.4nm,0.8s				
Mina Array Sit	81.86	51	eP	P	20 11 54.6 +0.4
NV01	ePP	ePP			20 13 42.8 +0.4
NVAR	comp=Z,3.3nm,0.6s,baz=290,slo=5.4,SNR=12				20 11 55.6 +1.4
Simferopol	81.91	316	eP	S	20 11 54.7 -0.7
SIM	S	S			20 21 25.0 -1.4
SIM	pmx	pmx			
NV11	comp=Z,79nm,0.9s				
Mina Array Sit	81.96	51	eP	P	20 11 54.3 -0.3
HRY	comp=Z,1.2nm,1.6s				
Holter Researc	81.97	41	eP	P	20 11 55.5 +1.0
HLID	comp=Z,3.9nm,0.8s				
Hailey	81.98	45	eP	P	20 11 55.9 +1.3
LRM	comp=Z,3.9nm,0.8s				
Limekiln Ridge	82.06	42	eP	P	20 11 56.3 +1.2
DLMT	comp=Z,21nm,1.4s				
Dillon	82.20	43	eP	P	20 11 57.1 +1.3
MCMT	comp=Z,1.4nm,0.8s				
McKenzie Canyo	82.32	43	eP	P	20 11 57.3 +0.8
EGMT	comp=Z,4nm,0.8s				
Eagleton	82.48	40	eP	P	20 11 58.1 +1.1
BOZ	comp=Z,5.3nm,1.0s				
Bozeman (W)	82.67	42	eP	P	20 11 58.6 +0.5
BOZ	comp=Z,5.3nm,1.0s				
Bozeman (W)	82.67	42	eP	P	20 11 58.6 +0.5
BOZ	pmx	pmx			
ELK	comp=Z,5.0nm,1.0s				
Elko	82.83	48	P	P	20 12 03.0 +3.8
ELK	comp=Z,4.2nm,0.6s,baz=348,slo=6.4,SNR=15				20 12 03.0 +3.8
ELK	pmx	pmx			
HFS	comp=Z,4.0nm,0.6s				
Hagfors	82.86	336	P	P	20 11 58.0 -0.6
HFS	comp=Z,23nm,0.4s,baz=58,slo=5.4,SNR=232				20 15 16.5 -0.4
HFS	pp	pp			
N405	comp=Z,11nm,0.9s,baz=64,slo=6.6,SNR=8.3				
NORSAR Array S	82.87	338	eP	P	20 11 56.5 -1.2
SUW	comp=Z,8.8nm,0.8s				
Suwalki	82.88	328	eP	P	20 11 58.1 -0.6
SUW	comp=Z,198nm,0.9s				
Suwalki	82.88	328	eP	P	20 11 57.9 -0.8
SUW	pmx	pmx			
NC303	comp=Z,198nm,0.9s				
NORSAR Array S	82.91	338	eP	P	20 11 58.1 -0.7
NB201	comp=Z,8.8nm,0.8s				
NORSAR Array S	83.06	338	eP	P	20 11 57.9 -1.7
DOMI	comp=Z,1.4nm,0.8s				
Dombar	83.20	337	eP	P	20 11 59.3 -0.4
NC602	comp=Z,8.8nm,0.8s				
NORSAR Array S	83.07	338	eP	P	20 11 59.2 -0.5
NB2	comp=Z,3.7nm,0.5s,baz=46,slo=5.1				
NORSAR Subarra	83.09	338	P	P	20 11 59.0 -0.7
NB2	pmx	pmx			
NB200	comp=Z,8.8nm,0.8s				
NORSAR Array S	83.09	338	eP	P	20 11 59.3 -0.5
NOA	comp=Z,4.2nm,0.6s,baz=46,slo=7.7,SNR=168				20 15 18.7 -0.1
NOA	pmx	pmx			
NOA	comp=Z,6.8nm,0.9s,baz=46,slo=7.6,SNR=5.3				20 11 59.3 -0.5
NORSAR Array B	83.09	338	P	P	20 15 18.7
NOA	pmx	pmx			
NOA	comp=Z,57nm,0.7s				
MOL	comp=Z,7.0nm,1.0s				
Molde	83.14	340	eP	P	20 11 59.5 -0.4
QLMT	comp=Z,1.2nm,1.6s				
Earthquake Lak	83.18	43	eP	P	20 12 02.4 +1.8
NC602	comp=Z,8.8nm,0.8s				
NORSAR Array S	83.20	337	eP	P	20 11 59.3 -0.9
NC602	comp=Z,8.8nm,0.8s				
NORSAR Array S	83.20	337	eP	P	20 11 59.3 -0.9
NB000	comp=Z,8.8nm,0.8s				
NORSAR Array S	83.25	338	eP	P	20 11 59.9 -0.6
NA001	comp=Z,8.8nm,0.8s				
NORSAR Array S	83.34	338	eP	P	20 12 00.1 -0.8
YHB	comp=Z,3.7nm,0.6s				
Horse Butte	83.37	43	eP	P	20 12 03.2 +1.5
DAC	comp=Z,1.2nm,0.8s				
Darwin (Calif)	83.38	53	eP	P	20 11 60.0 -1.9
DAC	comp=Z,3.7nm,0.6s				
Darwin (Calif)	83.38	53	eP	P	20 12 00.0 -1.9
DAC	pmx	pmx			
FCC	comp=Z,4.0nm,0.6s				
Fort Churchill	83.41	25	eP	P	20 12 01.0 -0.3
FCC	comp=Z,8.3nm,0.8s				
Fort Churchill	83.41	25	eP	P	20 12 01.0 -0.3
FCC	pmx	pmx			
YHH	comp=Z,8.0nm,0.8s				
Holmes Hill	83.56	43	eP	P	20 12 02.1 -0.6
SORM	comp=Z,12nm,1.3s				
Soroca	83.61	321	iP	P	20 12 01.8 -0.7
AKN	comp=Z,1.2nm,1.6s				
Aaknes	83.61	340	eP	P	20 12 02.7 +0.4
RAYN	comp=Z,105nm,0.8s				
Ar Rayn	83.69	293	eP	P	20 12 03.8 +0.3
ILULI	comp=Z,7.0nm,1.0s				
Ilulissat	83.71	4	iP	P	20 12 01.5 -1.1

ILULI	83.71	4	iP	P	20 12 01.5 -1.1
R11A	83.77	50	eP	P	20 12 04.8 +1.0
KLNR	83.89	330	iP	P	20 12 04.7 +1.0
KLNR	pmx	pmx			
HVU	comp=Z,27nm,0.7s				
Hansel Valley	83.92	46	eP	P	20 12 06.3 +1.9
HVU	comp=Z,6.9nm,1.1s				
Hansel Valley	83.92	46	eP	P	20 12 06.4 +1.9
HVU	pmx	pmx			
IMW	comp=Z,7.0nm,1.1s				
Indian Meadow	83.97	44	eP	P	20 12 06.6 +1.8
KIS	comp=Z,8.3nm,0.8s				
Kishnev	83.97	320	eP	P	20 12 00.0 -4.4
KIS	comp=Z,7.7nm,0.6s				
Kishnev	83.97	320	eP	P	20 12 00.0 -4.4
TPNV	comp=Z,8.2nm,0.8s				
Topopah Spring	84.00	52	eP	P	20 12 05.8 +0.9
TPNV	comp=Z,8.2nm,0.8s				
Topopah Spring	84.00	52	eP	P	20 12 05.8 +0.9
TPNV	pmx	pmx			
FWXY	comp=Z,8.0nm,0.8s				
Fox Creek	84.06	44	eP	P	20 12 06.5 +1.3
OSL	comp=Z,7.8nm,1.2s				
Oslo	84.06	337	eP	P	20 12 05.1 +0.7
ILGA	comp=Z,21nm,0.8s				
ilgaz	84.14	313	eP	P	20 12 06.0 +0.5
TPAW	comp=Z,6.7nm,0.9s				
Teton Pass	84.18	44	eP	P	20 12 07.4 +1.5
REDW	comp=Z,6.7nm,0.9s				
Red Top Meadow	84.31	44	eP	P	20 12 08.3 +1.9
RLMT	comp=Z,7.3nm,0.6s				
Red Lodge	84.33	42	eP	P	20 12 07.4 +1.0
GSC	comp=Z,10nm,0.9s				
Goldstone, Bar	84.41	53	eP	P	20 12 07.8 +0.9
GSC	comp=Z,10nm,0.9s				
Goldstone, Bar	84.41	53	eP	P	20 12 07.8 +0.9
GSC	pmx	pmx			
IAS	comp=Z,10nm,0.8s				
iasii	84.58	321	iP	P	20 12 07.2 -0.1
LEON	comp=Z,1.2nm,1.6s				
Leova	84.62	55	eP	P	20 12 07.6 +0.2
CLTC	comp=Z,0.4nm,0.7s				
Caletric	84.62	55	eP	P	20 12 09.1 +1.3
HYA	comp=Z,8.4nm,0.9s				
Hoyanger	84.63	340	eP	P	20 12 07.3 0.0
KONO	comp=Z,8.4nm,0.9s				
Kongsberg	84.66	337	eP	P	20 12 06.6 -0.8
KONO	comp=Z,8.4nm,0.9s				
Kongsberg	84.66	337	eP	P	20 12 07.2 -0.3
KONO	pmx	pmx			20 12 06.3 -1.2
DUG	comp=Z,12nm,1.1s				
Dugway, Tooele	84.71	47	eP	P	20 12 09.4 +1.1
DUG	comp=Z,16nm,1.1s				
Dugway, Tooele	84.71	47	eP	P	20 13 07.3 -0.2
DUG	ePP	ePP			20 12 09.4 +1.1
DUG	pmx	pmx			20 13 07.3 -0.2
HWUT	comp=Z,15nm,1.3s				
Hardware Ranch	84.78	46	eP	P	20 12 09.7 +0.9
HWUT	comp=Z,5.6nm,0.8s				



26d 20h

Table with columns: LIT, Litokhoron, 91.73 317 eP, P, 20 12 39.8 -1.3, etc. Lists various stations and their coordinates.

2012 MAY

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc. Lists station codes and names like SKR Severo-Kuril's, KARP Karpathos, etc.

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Table with columns: SANT, comp=E.660μm,0.4s, AML, AML, 20 35 34.0, etc. Lists stations and their coordinates.

ISCJB 26 20:41:50.1±0.3, 24°40'S; 0°02:69'47W; 0.04, h86km, 3km, mb4, 3/26, Error ellipse: s-maj=6.3km s-min=3.3km az=171.4

KRSC 26 20:24:40.3±0.48, 51°N; 157°84E, h19km, 63km, ML3.6, East of Kuril Islands

GO02	eS	Sn	20 42 19.9 -1.0
PB14	IPOC Station P	eP	20 42 08.8 -0.5
PB14	eS	Pn	20 42 22.5 -0.6
PB14	IPOC Station P	eP	20 42 08.8 -0.5
PB14	eS	Pn	20 42 22.6 -0.4
PB14	IAML		20 42 25.7
comp=N,16um,0.5s			
PB15	IPOC Station P	eP	20 42 12.6 +0.7
PB15	eS	Sn	20 42 29.1 +1.5
PB15	IAML		20 42 31.7
comp=N,32um,0.2s			
PB10	IPOC Station P	ePn	20 42 14.3 +0.3
PB10	eSn	Pn	20 42 29.3 -2.0
PB10	IPOC Station P	eP	20 42 14.2 +0.3
PB10	eS	Sn	20 42 31.7 +0.4
PB10	IPOC Station P	eP	20 42 12.2 +0.3
PB10	eS	Sn	20 42 31.5 +0.2
PB10	IAML		20 42 36.8
comp=N,6um,0.3s			
PB06	IPOC Station P	eP	20 42 19.1 +0.8
PB06	eS	Sn	20 42 40.8 +1.8
PB06	IAML		20 42 42.4
comp=E,5um,0.3s			
PB04	IPOC Station P	ePn	20 42 24.3 -0.2
PB04	eSn	Pn	20 42 44.3 -5.9
PB04	IPOC Station P	eP	20 42 24.5 0.0
PB04	eS	Sn	20 42 31.1 +0.9
PB04	IAML		20 42 59.5
comp=E,4um,0.5s			
PB09	IPOC Station P	eP	20 42 31.6 +1.3
PB09	IAML		20 43 14.4
comp=E,2um,0.6s			
PB02	IPOC Station P	eP	20 42 36.8 -0.3
PB02	eS	Sn	20 43 13.2 +0.6
PB01	IPOC Station P	ePn	20 42 40.2 -0.1
PB01	eSn	Sn	20 43 05.3 -1.3
GO03	Copiap	eS	20 42 39.4 -0.9
GO03	eS	Sn	20 43 18.9 +0.3
FSA	Cafayete	eP	20 42 45.0 +0.7
FSA	IAML		20 42 48.6
comp=Z,25nm,0.8s			
FSA	eS	Sn	20 43 27.5 +2.0
HJA	Humahuaca	eP	20 42 51.1 +2.9
YJA	Yavi	eP	20 42 55.7 +2.7
AHML	Horco Molle	eP	20 42 57.1 +1.6
AHML	IAML		20 43 32.7
comp=Z,21nm,0.8s			
VCA	Vinchina	eP	20 42 57.9 +1.3
VCA	eS	Sn	20 43 47.9 +0.1
VCA	IAML		20 44 14.6
comp=Z,140nm,0.2s			
PB11	IPOC Station P	ePn	20 42 56.4 -1.4
PB11	eSn	Pn	20 43 48.4 -1.5
LCO	Las Campanas	ePn	20 43 01.7 +1.2
LOO	eS	Pn	20 43 55.2 +0.6
LCO	Las Campanas	eP	20 43 01.2 +0.7
AGUA	GUANDACOL	eP	20 43 07.2 +1.3
MNMC	Minye Minye	eP	20 43 05.2 -1.3
CYA	Choya	eP	20 43 07.8 +1.5
CYA	IAML		20 44 10.2
comp=Z,20nm,0.7s			
GO04	Toledo Observa	ePn	20 43 13.3 -2.8
RTL	Cerro Villicun	eP	20 43 29.4 -1.2
RTLS	Leoncito	eP	20 43 35.9 -0.7
RTLS	IAML		20 45 49.9
RTCV	Cerro Valdivia	eP	20 43 36.9 -0.9
LPZA	La Paz	eP	20 43 47.9 +1.3
comp=Z,0.6nm,0.3s,baz=191,slow=7.2,SNR=3.5			
LPZA	LR	LR	20 47 23.6
comp=Z,125nm,19.8s,baz=205,slow=41			
LPZA	La Paz	ePn	20 43 47.4 +0.8
TCA	Tanti	eP	20 43 46.7 +0.1
ROC1	Ei Roble	ePn	20 43 50.8 -3.2
CPUP	Villa Florida	eP	20 44 27.4 +0.4
comp=Z,0.1nm,0.3s,baz=285,slow=12,SNR=6.4			
CPUP	LR	LR	20 49 37.3
comp=Z,44nm,21.5s,baz=264,slow=42			
CPUP	Villa Florida	ePn	20 44 22.7 -4.2
CPUP	eP	Pn	20 49 37.2
SIV	San Ignacio	eP	20 44 27.2 -4.1
comp=Z,9.3nm,0.3s,baz=254,slow=7.7,SNR=34			
SIV	S	S	20 46 29.4 -7.9
comp=Z,246,slow=18,SNR=3.5			
TRQA	Tornquist	ePn	20 45 17.2 -2.0
comp=Z,17nm,1.0s			
GO06	Curarrehue	ePn	20 45 21.2 -0.8
comp=Z,9nm,1.3s			
PLCA	Paso Flores	eP	20 45 33.4 -2.1
comp=Z,0.1nm,0.3s,baz=38,slow=15,SNR=5.6			
PLCA	LR	LR	20 53 19.9
comp=Z,65nm,20.0s,baz=7.0,slow=42			
PLCA	Paso Flores	eP	20 45 36.1 -0.9
comp=Z,22nm,1.3s			
SAML	Samuel	ePn	20 45 36.6 -0.2
comp=Z,3.8nm,0.7s			
PTGA	Pitinga	eP	20 47 08.9 -0.3
comp=Z,5.9nm,0.8s,baz=210,slow=11,SNR=9.1			
PTGA	Pitinga	eP	20 47 09.3 +0.1
comp=Z,15nm,0.8s			
SNA	Sanas	eP	20 51 46.3 -0.7
comp=Z,3.0nm,0.8s,baz=27,slow=9.2,SNR=8.7			
SNA	Sanas	eP	20 51 45.8 -1.2
comp=Z,18nm,1.9s			
JCT	Junction City	eP	20 52 01.5 0.0
comp=Z,7.0nm,0.8s			
WLAR	White Oak Lake	eP	20 52 03.2 +0.9
comp=Z,16nm,0.8s			
WVT	Waverly	eP	20 52 05.9 -0.8
comp=Z,6.9nm,0.9s			
TXAR	Lajitas Array	eP	20 52 08.2 +0.6
comp=Z,0.9nm,0.7s,baz=144,slow=8.8,SNR=7.6			
TXAR	eP	S	20 52 38.1 +1.2
comp=Z,2.4nm,0.9s			
MNTX	Cornus Mount	eP	20 52 25.3 -0.2
comp=Z,3.4nm,0.6s,baz=122,slow=5.2,SNR=8.9			
QSPA	South Pole Qui	eP	20 52 27.8 +0.2
comp=Z,2.8nm,0.8s,baz=142,slow=10,SNR=7.6			
ANMO	Albuquerque	eP	20 52 47.2 +1.5
comp=Z,2.1nm,0.8s,baz=120,slow=7.9,SNR=2.6			
ANMO	Albuquerque	eP	20 53 07.7 +1.2
comp=Z,3.3nm,0.8s			
DBIC	Dimbokro	eP	20 52 54.9 +0.4
comp=Z,4.3nm,0.8s,baz=226,slow=5.7,SNR=4.7			
DBIC	eP	P	20 53 15.4 +0.1
comp=Z,6.2nm,0.7s,baz=228,slow=5.4,SNR=5.0			
DBIC	eP	P	20 53 25.3 +1.1
comp=Z,3.2nm,0.7s,baz=162,slow=11,SNR=2.8			
DBIC	eP	S	20 52 55.0 +0.5
comp=Z,61nm,1.8s			
DBIC	eP	S	20 53 25.3 +1.1
DREC	Desert Rsrch C	eP	20 53 03.2 -1.6
comp=Z,3.0nm,1.0s			
DPP	Dos Picos Cty	eP	20 53 11.8 +0.9
LCMT	Little Creek M	eP	20 53 16.4 +0.3
comp=Z,8.3nm,0.8s			
VNDA	Vanda	eP	20 53 16.6 -0.4
comp=Z,1.6nm,1.1s,baz=118,slow=5.5,SNR=3.9			
VNDA	eP	P	20 53 17.4 +0.4
CYAC	Catalina I. Ai	eP	20 53 19.9 +2.1
SIOW	Syowa Base	eP	20 53 15.0 -2.4
SIOW	Syowa Base	eP	20 53 29.9 -2.4
SIOW	Syowa Base	eP	20 53 33.0 -5.4
CVUT	Cedar City	eP	20 53 21.5 +2.6
comp=Z,5.7nm,0.9s			
KOWA	Kowa	eP	20 53 22.0 +0.3
comp=Z,2.3nm,0.6s,baz=244,slow=6.4,SNR=9.0			
KOWA	eP	P	20 53 43.2 +0.4
comp=Z,15nm,0.7s,baz=241,slow=7.6,SNR=19.0			
R11A	Troy Canyon, C	eP	20 53 30.4 +1.4
comp=Z,3.0nm,1.0s			
HWUT	Hardware Ranch	eP	20 53 32.4 +1.0
comp=Z,4.1nm,0.8s			
NV01	Mina Array Sit	eP	20 53 32.3 -0.4
NVAR	Mina Array Bay	eP	20 53 39.0 +1.3
comp=Z,0.4nm,0.3s,baz=127,slow=5.8,SNR=4.0			
KLVN	Kaiser Hill	eP	20 53 40.6 +1.1
comp=Z,4.7nm,0.9s			
UVM	Lac du Bonnet	eP	20 53 39.7 +0.2
comp=Z,1.0nm,0.4s,baz=172,slow=7.2,SNR=4.6			
YHH	Holmes Hill	eP	20 53 44.9 +1.3
comp=Z,9.2nm,1.0s			
TOA0	Torodi Ar. Sit	eP	20 53 45.0 -0.2
TOA1	Torodi Ar. Sit	eP	20 53 45.4 +0.2
TOA1	eS	SP	20 54 16.2 +0.9

TORD	Torodi Ar. Bea	78.78 70 P	P	20 53 45.4 +0.2
comp=Z,2.4nm,0.6s,baz=258,slow=5.0,SNR=21				
TORD	eP	P	20 54 06.4 -0.1	
comp=Z,15nm,0.7s,baz=254,slow=5.3,SNR=28				
TORD	eP	SP	20 54 16.2 +1.0	
comp=Z,3.8nm,0.7s,baz=251,slow=4.6,SNR=4.1				
CLCB	Lake Chabot	79.11 320 eP	P	20 53 49.1 +2.5
HLID	Hailey	79.20 328 eP	P	20 53 48.7 +1.5
comp=Z,5.3nm,0.9s				
MCMT	McKenzie Canyo	79.44 330 eP	P	20 53 50.0 +1.4
TSUM	Tsumeb	79.69 106 eP	P	20 53 51.9 +4.4
comp=Z,12nm,1.1s				
ORV	Oroville	80.02 322 eP	P	20 53 53.3 +1.8
comp=Z,6.3nm,0.9s				
MAW	Mawson	81.74 163 P	P	20 54 00.2 -0.1
comp=Z,6.1nm,0.9s,baz=221,slow=9.3,SNR=4.7				
MAW	Mawson	81.74 163 eP	P	20 53 59.8 -0.5
comp=Z,3.2nm,1.4s				
FRIS	Frissel Point	83.53 325 eP	P	20 54 12.2 +2.2
YKA	Yellowknife Ar	93.71 341 P	P	20 54 58.3 +0.3
comp=Z,0.9nm,0.7s,baz=133,slow=4.6,SNR=9.7				
YKA	eP	SP	20 55 18.4 -1.3	
comp=Z,0.5nm,0.6s,baz=136,slow=4.6,SNR=3.2				
YKA	eP	SP	20 55 27.2 -1.1	
comp=Z,0.6nm,0.7s,baz=140,slow=4.6,SNR=3.5				
ASAR	Alice Springs	127.16 207 PKP	PKPdf	20 50 46.3 -0.3
comp=Z,1.3nm,0.8s,baz=126,slow=1.8,SNR=13				
WRA	Warramunga Arr	130.25 210 eP	PKPdf	21 00 52.3 -0.3
WR1	Warramunga Arr	130.25 210 PKP	PKPdf	21 00 52.3 -0.3
comp=Z,1.3nm,0.9s,baz=147,slow=1.6,SNR=4.3				
KURBB	Kurchatov Arra	143.96 35 PKP	PKPbc	21 01 15.2 +0.5
comp=Z,1.3nm,0.8s,baz=297,slow=3.6,SNR=11				
KURBB	eP	PKPbc	21 01 38.1 -1.2	
comp=Z,0.4nm,0.6s,baz=289,slow=3.2,SNR=2.8				
ZAA1	Zalesovo Array	144.72 26 eP	PKPdf	21 01 18.1 +1.0
ZAA1	eP	PKPbc	21 01 40.6 +0.1	
ZAA0	Zalesovo Array	144.72 26 eP	PKPbc	21 01 17.6 +0.7
ZALV	Zalesovo Beam	144.72 26 P	PKPbc	21 01 18.1 +1.0
comp=Z,1.0nm,0.8s,baz=302,slow=4.5,SNR=4.3				
ZALV	eP	PKPdf	21 01 40.6 +0.1	
comp=Z,4.3nm,0.7s,baz=298,slow=3.5,SNR=5.9				
MK31	Makanchi Array	148.20 38 eP	PKPdf	21 01 24.4 +0.3
MK31	eP	PKPbc	21 01 27.7 +0.2	
MK32	Makanchi Array	148.20 38 eP	PKPbc	21 01 28.1 +0.6
MK32	eP	PKPbc	21 01 50.1 +0.2	
MKAR	Makanchi Array	148.20 38 P	PKPbc	21 01 28.1 +0.6
comp=Z,3.0nm,0.8s,baz=332,slow=2.6,SNR=18				
MKAR	eP	PKPbc	21 01 50.1 +0.2	
comp=Z,1.5nm,0.6s,baz=314,slow=2.3,SNR=6.3				
MKAR	eP	PKPdf	21 01 24.0 -0.1	
MKAR	eP	PKPbc	21 01 27.7 +0.2	
MK01	Makanchi Array	148.22 38 eP	PKPbc	21 01 50.1 +0.2
MK01	eP	PKPbc	21 01 24.7 +0.6	
MK01	eP	PKPbc	21 01 28.1 +0.6	
KSRS	Korea Array	160.24 315 PKP	PKPdf	21 01 41.9 +0.8
comp=Z,0.6nm,0.7s,baz=81,slow=1.6,SNR=3.7				
KSAR	Wonju Array Be	160.27 315 PKP	PKPdf	21 02 21.5 -0.3
KSAR	eP	PKPbc	21 01 41.9 +0.8	
LZH	Lanzhou	166.95 25 eP	PKPbc	21 02 21.5 -0.3
LZH	eP	PKPdf	21 02 01.8 -8.6	
LZH	eP	SP	21 02 05.8	

JMA 26:20:43:51.3:0.1,23:84N:121:64E,h33km,2km,M3.3  
 ISCJB 26:20:43:52.3:0.2,23:89N:0:01:121:68E:0:01,h36km,4km,  
 Error ellipse: s-maj=2.3km s-min=1.7km az=44.8  
 TAP 26:20:43:52.2,23:90N:121:62E,h37km,ML3.6,B  
 ISC 26:20:43:52.6:0.9,23:90N:0:02:121:64E:0:02,h33km,2km,  
 n118,e077/191,3C-2Z,Taiwan

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
ENLB	Shoufeng	0.04	282	↑P	Pb	20 43 58.9 +0.7
comp=Z,292						
ENLB	eP	S	Sb	20 44 03.8 +1.8		
ENLB	Hwaiien	0.09	339	eP	Pb	20 44 59.1 +0.7
comp=Z,351						
HWA	HWA	eS	Pb	20 44 04.0 +1.8		
comp=Z,347						
TWD	TWD	0.19	348	↑P	Pb	20 43 59.2 +0.1
comp=Z,347						
TWD	eS	S	Sb	20 44 04.2 +0.6		
ESL	Shilin	0.20	247	↑P	Pb	20 43 59.0 +0.3
comp=Z,255						
ESL	eS	Pn	20 44 03.7 -0.2			
NACB	Ninganchiao	0.28	352	↑P	Pn	20 43 59.7 -0.6
comp=Z,345						
NACB	eS	Sn	20 44 05.2 +0.4			
EGFH	Guangfu	0.30	221	↑P	Pn	20 43 59.9 -0.6
comp=Z,228						
EGFH	eS	S	20 44 05.6 +0.3			
HGSD	Ruisui	0.45	206	↑P	Pb	20 44 02.3 -0.1
comp=Z,217						
HGSD	eS	S	20 44 10.1 +0.5			
CHGB	Renai	0.46	291	↑P	Pb	20 44 02.5 -0.3
comp=Z,295						
CHGB	eS	Sb	20 44 10.0 +0.3			
VWDT	VWDT	0.48	253	↑P	Pb	20 44 02.7 -0.2
comp=Z,248						











Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like GO Pecny, Ondr, Han Pijesak, Prague, Bratislava, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like KARP Karpathos, ARG Arkhangelos, ZKR Zakros, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like JTS JuntasAbangare, ULM Lac du Bonnet, YKA Yellowknife Ar, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like NISR, DATC, ZKAR, ZKR, ZKZ, etc.

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

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

ISK 26:21:30:47.9, 35:46N, 27:89E, h11km, ML3, 2/8
ISCJB 26:21:30:47.0, 8.35:34N, 0:03:28.00E, 0:03, h19km, 8km,
Error ellipse: s-maj=5.1km s-min=3.1km az=39.6

THE 26:21:30:48.9, 35:50N, 27:84E, h0km, 1km, ML2, 7/5, Error
ellipse: s-maj=2.5km s-min=1.1km az=154.0
CSEM 26:21:30:48.9, 0.35:50N, 27:90E, h8km, ML2.6, Error
ellipse: s-maj=7.1km s-min=3.4km az=154.0

ATH 26:21:30:49.8, 35:54N, 27:75E, h9km, 2km, ML2, 6/3, Error
ellipse: s-maj=6.1km s-min=1.7km az=318.0
GIL 26:21:30:51.4, 0.0, 0.35:27N, 28:32E, h1km
GIC 26:21:30:46.8, 1.1, 35:43N, 0:03:27.94E, 0:02, h9km, 9km,
n81, r103/113, Dodecanese Islands

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

GUC 26:21:32:24.7, 0.26:23S, 68:46W, h133km, 6km, ML3.9, 4C-1D, Northern Chile

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like PB15, PB15, PB15, PB15, etc.

MEX 26:21:38:34.6, 0.3, 16:22N, 98:43W, h4km, 6km, MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like PNIG, PNIG, AC2P, AC2P, etc.

NEIC 26:21:40.2, 1.0, 18:35N, 63:28W, h3km, MD4.0, (TRN), After TRN

TRN 26:21:46:19.8, 18:35N, 63:30W, h3km, MD4.0, Leeward Islands

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

NIED 26:21:48:00, 1.0, 60E, h500km, Mw5.9 Best double couple: M=8.76000, 1017 NP1, 338.00000, 349.00000, 49.00000. NP2: 105.00000, 855.00000, 127.00000

JMA 26:21:48:08, 0.2, 27:00N, 140:65E, h499km, 3km, M6.3 Broadband fault plane solution: P waves. NP1: 90.00000, 873.00000, 141.00000. NP2: 347.00000, 853.00000, 121.00000. Principal axes: T P1g13.00000, Azm214.00000, N P1g48.00000, Azm109.00000, P P1g39.00000, Azm315.00000; JMA Felt II J1.

BUI 26:21:48:08, 2.6, 87N, 140:20E, h480km, mb5.9/89, mB5.9/65

ISCJB 26:21:48:09, 7.0, 2.26:89N, 0:10:140:13E, 0:01, h492km, 1km, mb5.6/456, Error ellipse: s-maj=2.2km s-min=1.8km az=139.5

MOS 26:21:48:09, 3.0, 9.26:88N, 140:12E, h487km, mb5.8/123, mB5.0/18, Error ellipse: s-maj=6.2km s-min=3.5km az=107.5

NEIC 26:21:48:10, 1.0, 3.26:91N, 140:06E, h487km, 3km, mb5.5/295, MW6.0, MW6.0, Error ellipse: s-maj=2.9km s-min=2.5km az=153.0 Best double couple: NP1:

0354.00000; 855.00000; lambda-50.00000. NP2:
0119.00000; 851.00000; lambda-132.00000. Principal axes:
T 1.1900, Plg2.0000, Azm57.0000; N - 1.2000,
Plg32.0000, Azm149.0000; P - 1.0600, Plg58.0000,
Azm324.0000;

NEIC Recorded [2 JMA] in the Chichijima-retto.
GCMT 26.21:48:10.1+0.1, 26.87N:140.17E, h472km, Mw6.0/140,
Moment Tensor Solution. s140.c298; s111.c136;
Duration: 2s3 Moment tensor: Scale 1018Nm;
Mn-0.74e+01; M00.0.34e+01; M00.40e+01; Mn-0.33e+01;
M0-0.72e+01; M0-0.35e+01; Best double couple:
Mn-1.0800e+18; NP2: 0.346 0.0000; lambda-141.00000;
lambda-47.00000; NP2: 0.107 0.0000; lambda-853.00000;
lambda-134.00000. Principal axes: T 1.1070, Plg1.0000;
Azm47.0000; N - 0.0370, Plg34.0000; Azm137.0000; P -
-1.0690, Plg56.0000; Azm315.0000; nsta1 refers to
body waves, cutoff=40s. nsta2 refers to mantle waves,
cutoff=125s.

IDC 26.21:48:10.1+0.1, 26.87N:140.20E, h485km, 3km, mb5.1/61,
m1.5/169, mb1mx0.7/3, mbmp5.9/69 Error ellipse:
s-maj=6.6km s-min=4.4km az=84.0

NEIC 26.21:48:18.9+0.0, 26.81N:140.20E, h483km Best double
couple: NP1: 0.342 0.0000; lambda-660.00000; lambda-45.00000.
NP2: 0.29 0.0000; lambda-853.00000; lambda-141.00000.
Principal axes: T 1.3000, Plg2.0000; Azm42.0000; N - 0.1200,
Plg38.0000; Azm136.0000; P - 1.1800, Plg52.0000;
Azm307.0000;

ISC 26.21:48:09.3+0.2, 26.90N:102.140:17E:0.03, h482km, 1km,
h482km:pp-P, P1n734, c1f55/2175, mb5.6/500, 5.1C-188D,
Bonin Islands region

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

Table with columns: JFI, Itaya, 10.67 310 P, 21 50 35.9 +2.3, etc. Lists seismic events with station names, magnitudes, and arrival times.

Table with columns: NJ2, S, S, 21 55 08.0 -3.5, etc. Lists seismic events with station names, magnitudes, and arrival times.





STKA	Stephens Creek	58.47 179 eP	P	21 57 18.4 +0.2
STKA	Chimkent	58.52 305 i/P	P	21 58 55.8 +0.4
CHM	Eielson Array	58.74 29 eP	P	22 04 43.8 -0.2
ILAR	Eielson Array	58.74 29 eP	P	21 57 20.4 +1.7
ILAR	comp-Z,2.7nm,0.5s,baz=280,slow=4.9,SNR=191		S	22 04 47.4 +2.7
ILAR	comp-Z,4.4nm,0.9s,baz=251,slow=5.2,SNR=3.3		S	22 07 18.2 -1.5
ILAR	comp-Z,5.2nm,1.0s,baz=262,slow=9.4,SNR=11		S	22 07 19.3 -0.4
ILAR	comp-Z,2.6nm,0.9s,baz=101,slow=3.0,SNR=17		S	22 01 15.1 -2.0
ILAR	comp-Z,1.8nm,1.0s,baz=359,slow=3.5,SNR=4.3		S	22 04 43.1 -3.8
ILAR	Eielson Array	58.74 29 eP	P	22 26 35.1 -15
ILAR	comp-Z,2.6nm,0.9s,baz=101,slow=3.0,SNR=17		S	22 26 55.2
ILAR	comp-Z,1.8nm,1.0s,baz=359,slow=3.5,SNR=4.3		S	22 26 55.2
ILAR	comp-Z,2.6nm,0.5s		S	21 57 19.3 +0.4
ILAR	comp-N,4.0nm,0.9s		S	22 01 15.1 -2.0
ILAR	comp-N,5.0nm,1.0s		S	22 04 43.1 -3.8
ILAR	comp-Z,3.0nm,0.9s		S	21 57 19.5 -0.2
ILB	Eielson Array	58.74 29 eP	P	21 57 21.1 -0.4
KLRI	Killari	58.88 276 eP	P	21 57 20.9 +0.1
MID	Middleton Isia	58.90 35 eP	P	21 57 20.9 +0.1
MID	Middleton Isia	58.90 35 eP	P	21 57 20.9 +0.1
MID	comp-Z,662nm,1.3s		S	21 57 22.6 +0.5
POHA	Pohakuloa	58.94 82 eP	P	21 57 23.9 +0.6
AIN	Ainahou	59.13 83 eP	P	21 57 23.3 -0.3
MLH	Mauna Loa	59.16 82 eP	P	21 57 23.3 -0.3
MLH	Mauna Loa	59.16 82 eP	P	21 57 23.3 -0.3
MLH	comp-Z,113nm,0.7s		S	21 57 23.6 -0.7
HLP	Hilina Pali	59.29 83 eP	P	21 57 25.2 +0.5
PUH	Faulti	59.35 82 eP	P	21 57 25.8 +0.6
URV	Urawakonda	59.44 272 eP	P	21 57 25.3 -0.0
BBOO	Bucklebo	59.51 184 eP	P	21 57 25.8 +0.6
HULD	Heiheihulu Di	59.55 82 eP	P	21 57 25.7 -0.2
PALK	Pallekele	59.56 262 eP	P	21 57 27.0 +1.0
PALK	comp-Z,158nm,0.7s,baz=116,slow=4.9,SNR=63		S	22 04 56.9 -1.8
PALB	Kabul	60.50 296 eP	P	21 57 33.2 +0.9
KBL	Kabul	60.50 296 eP	P	21 57 33.2 +0.9
LHI	Lord Howe Isia	60.83 162 eP	P	21 57 34.0 0.0
BALM	Baldy	60.84 33 eP	P	21 57 34.4 +0.5
BALM	Baldy	60.84 33 eP	P	21 57 34.4 +0.5
POO	Poona	61.15 277 eP	P	21 57 36.7 +0.1
POO	comp-Z,238nm,0.8s		S	21 57 38.8
POO	comp-Z,50nm,1.0s		S	21 57 33.0 -3.6
EGAK	Eagle	61.20 29 eP	P	21 57 36.3 +0.2
EGAK	AFI	61.83 125 eP	P	22 05 23.4 +5.9
AFI	Afiamaulu	61.83 125 eP	P	21 57 42.0 +1.0
AFI	Afiamaulu	61.83 125 eP	P	21 57 40.5 -0.5
AFI	Afiamaulu	61.83 125 eP	P	21 57 40.5 -0.5
DAWY	Dawson	62.00 29 eP	P	21 57 42.2 +0.8
DAWY	Sverdllovsk	62.28 322 eP	P	22 05 32.9 +5.2
SVE	Sve	62.28 322 eP	P	22 05 44.2 +0.9
SVE	Sve	62.28 322 eP	P	22 05 30.3 -0.9
SVE	Sve	62.28 322 eP	P	22 06 44.2
SVE	Sve	62.28 322 eP	P	22 09 47.8
CAN	Canberra	62.45 172 eP	P	21 57 46.1 +1.4
CAN	Canberra	62.45 172 eP	P	21 57 46.1 +1.4
BHJ	Bhuj	63.22 284 eP	P	21 57 51.2 +1.3
NWAO	Narogin (SRO)	63.37 202 eP	P	21 57 51.1 +0.5
NWAO	comp-Z,18nm,0.6s,baz=259,slow=5.6,SNR=34		S	21 58 22.2 -0.3
NWAO	comp-Z,22nm,1.1s,baz=227,slow=12,SNR=2.6		S	21 59 30.3 +0.5
NWAO	comp-Z,7.1nm,1.1s,baz=75,slow=20,SNR=3.9		S	22 05 43.3 -1.7
NWAO	Narogin (SRO)	63.37 202 eP	P	21 57 51.3 +0.7
NWAO	comp-Z,65nm,1.1s		S	21 58 22.2 -0.3
NWAO	comp-Z,141nm,0.8s		S	21 59 30.3 +0.5
ARU	Arti	63.47 322 eP	P	21 57 51.5 +0.4
ARU	Arti	63.47 322 eP	P	22 05 43.8 -1.9
ARU	comp-Z,4.2nm,0.8s,baz=287,slow=19,SNR=4.2		S	21 57 51.4 +0.4
ARU	comp-Z,2.4nm,0.8s,baz=287,slow=19,SNR=4.2		S	21 58 22.4
ARU	comp-Z,2.4nm,0.8s,baz=287,slow=19,SNR=4.2		S	22 05 45.1 -0.7
ARU	comp-Z,2.4nm,0.8s,baz=287,slow=19,SNR=4.2		S	22 06 52.0
ARU	comp-Z,2.4nm,0.8s,baz=287,slow=19,SNR=4.2		S	22 10 00.8 -2.6
SOKR	Solikamsk	63.91 326 eP	P	21 57 52.4 -1.2
SOKR	Whitehorse	63.95 24 eP	P	22 05 19.0 -1.7
SOKR	Whitehorse	63.95 24 eP	P	22 05 51.8 +1.0
AB31	Akbulak array	63.94 314 eP	P	21 57 54.5 +0.4
AB31	Akbulak array	63.94 314 eP	P	21 57 54.8 +0.6
AB31	Akbulak array	63.94 314 eP	P	21 57 54.4 +0.6
INK	Inuvik	63.95 24 eP	P	22 05 48.7 -2.4
INK	Inuvik	63.95 24 eP	P	21 57 54.1 +0.3
INK	Inuvik	63.95 24 eP	P	22 05 53.8 +2.7
INK	Inuvik	63.95 24 eP	P	22 05 53.8 +2.7
SKAG	Skagway	64.49 34 eP	P	21 57 58.8 +1.3
WHY	Whitehorse	64.51 33 eP	P	21 57 58.8 +1.0
WHY	Kiritimati	64.56 101 eP	P	22 06 02.5 +4.0
XMAS	Kiritimati	64.56 101 eP	P	21 57 58.7 +0.1
AKTO	Aktyubinsk	64.91 316 eP	P	21 58 00.4 +0.1
AKTO	comp-Z,4.66nm,0.7s,baz=90,slow=7.9,SNR=598		S	22 06 01.7 -1.7
CRAC	Craig	66.47 38 eP	P	21 58 11.7 +1.8
WRAG	Wrangell Isian	66.68 37 eP	P	21 58 12.8 +1.6

DLBC	Dease Lake	67.40 35 eP	P	21 58 17.3 +1.5
DIB	Dawson Inlet	67.40 41 eP	P	21 58 16.7 +0.9
H02SI	Dawson Inlet T	67.40 41 eP	P	21 58 16.6 +0.8
GEYT	Alibeck	68.09 302 eP	P	21 58 21.3 +1.0
GEYT	comp-Z,80nm,0.8s,baz=35,slow=5.4,SNR=155		S	22 06 42.4 +0.9
GEYT	comp-Z,0.2nm,0.3s,baz=325,slow=7.0,SNR=2.1		S	22 26 35.8
PRGR	Pergomere	68.80 329 i/P	P	21 58 24.5 +0.4
PRGR	Bella Bella	70.24 41 eP	P	21 58 40.5
PRGR	Spitsbergen Ar	70.25 350 eP	P	22 06 07.1 -1.6
PRGR	Spitsbergen Ar	70.25 350 eP	P	21 58 33.8 +0.9
PRGR	Spitsbergen Ar	70.25 350 eP	P	21 58 33.4 +0.7
PRGR	Spitsbergen Ar	70.25 350 eP	P	21 58 33.6 +0.9
KBS	Kingsbay	70.44 351 eP	P	21 58 35.3 +1.5
KBS	Kingsbay	70.44 351 eP	P	21 58 35.0 +1.3
KBS	Kingsbay	70.44 351 eP	P	21 58 35.3 +1.5
KBS	Kingsbay	70.44 351 eP	P	21 58 35.0 +1.3
LVZ	Lovozero	70.96 337 d/P	P	21 58 37.2 +0.2
LVZ	Lovozero	70.96 337 d/P	P	21 58 37.2 +0.2
HSPB	Hornsund (broa	71.13 349 eP	P	21 58 39.0 +1.3
HSPB	Hornsund (broa	71.13 349 eP	P	21 58 39.1 +1.3
TMCR	Tamitsa	71.20 333 eP	P	21 58 36.5 -1.9
TMCR	comp-Z,438nm,0.6s		S	21 58 41.0 +0.7
APA	Apatity	71.53 337 i/P	P	21 59 00.0
APA	comp-Z,572nm,0.7s		S	22 07 19.0 -0.8
KLMR	Klimovskoe	71.84 330 eP	P	21 58 40.5 -1.7
KLMR	Klimovskoe	71.84 330 eP	P	22 01 29.8
KLMR	Klimovskoe	71.84 330 eP	P	22 07 20.0 -3.4
KLMR	Klimovskoe	71.84 330 eP	P	21 58 40.5 -1.7
KLMR	Klimovskoe	71.84 330 eP	P	21 58 43.6
KLMR	comp-Z,344nm,0.8s		S	22 01 29.9 +0.5
KLMR	comp-Z,160nm,1.2s		S	22 07 20.1 -3.4
KLMR	Kevo	72.56 340 eP	P	21 58 46.5 +0.3
KEV	Kevo	72.56 340 eP	P	21 58 46.5 +0.3
KEV	Kevo	72.56 340 eP	P	21 58 46.6 +0.3
KEV	Kevo	72.56 340 eP	P	21 58 46.6 +0.3
WBK	Wadi Bani Khal	72.64 287 eP	P	21 58 50.0 +2.3
RES	Resolute Bay	72.66 13 eP	P	21 58 46.8 0.0
RES	Resolute Bay	72.66 13 eP	P	21 58 46.8 0.0
RES	Resolute Bay	72.66 13 eP	P	21 58 46.8 0.0
RES	Resolute Bay	72.66 13 eP	P	21 58 46.8 0.0
WSAR	Wadi Sarin	72.70 288 eP	P	21 58 48.7 +0.8
WSAR	comp-Z,73nm,0.8s		S	22 07 33.5 -0.9
BIDO	Bidbid	73.02 288 eP	P	21 58 51.0 +1.2
HAMF	Hammerfest	73.05 342 eP	P	21 58 49.4 +0.3
HAMF	comp-Z,280nm,0.9s		S	21 58 51.4
YKWS	Yellowknife Ar	73.13 28 eP	P	21 58 50.0 +0.4
ARCES	ARCCESS Array A	73.13 340 eP	P	21 58 50.4 +0.8
ARCES	ARCCESS Array B	73.13 340 eP	P	22 07 36.6 -0.9
ARCES	ARCCESS Array B	73.13 340 eP	P	21 58 50.0 +0.4
ARCES	ARCCESS Array B	73.13 340 eP	P	22 07 36.7 -0.9
ARCES	ARCCESS Array B	73.13 340 eP	P	21 58 50.6 +1.0
AREO	ARCCESS Array S	73.13 340 eP	P	21 58 50.3 +0.7
YKA	Yellowknife Ar	73.16 28 eP	P	21 58 50.1 +0.2
YKA	comp-Z,31nm,0.4s,baz=293,slow=5.6,SNR=292		S	22 04 42.0 -0.3
YKA	comp-Z,1.1nm,0.5s,baz=307,slow=1.4,SNR=5.8		S	22 07 35.6 -2.5
YKA	Yellowknife Ar	73.16 28 eP	P	21 58 50.0 +0.2
YKA	Yellowknife Ar	73.16 28 eP	P	21 58 50.0 +0.2
URZ	Urewera	73.48 150 eP	P	21 58 50.7 -1.2
BANOM	Banah	73.65 291 eP	P	21 58 54.7 +1.3
BANOM	Banah	73.65 291 eP	P	21 58 54.4 +1.0
BANOM	Banah	73.65 291 eP	P	21 58 55.0 +1.1
MDH	Madh	73.73 291 eP	P	21 58 54.6 -0.1
BKZ	Black Stump Fm	73.97 151 eP	P	21 58 54.7 -0.1
MSFE	Esma-Masafi	73.98 291 eP	P	21 58 56.2 +0.9
MAK	Makhachkala	74.03 310 eP	P	21 58 54.2 -1.0
MAK	Makhachkala	74.03 310 eP	P	22 00 35.7 -2.5
MAK	Makhachkala	74.03 310 eP	P	22 01 27.3 -1.4
MAK	Makhachkala	74.03 310 eP	P	22 01 47.7
MAK	Makhachkala	74.03 310 eP	P	22 07 45.0 -3.3
KTK1	Kautokeino	74.09 340 eP	P	21 58 55.5 +0.4
KTK1	comp-Z,212nm,0.9s		S	21 58 57.5
KTK1	Bisyra	74.10 288 eP	P	22 01 48.5
SOHO	SOHO	74.13 289 eP	P	21 58 56.5 +0.4
HATD	Hatta, Dubai	74.20 290 eP	P	21 58 57.4 +0.9
PGC	Sidney	74.27 43 eP	P	21 58 57.8 +1.3
UMQ	Umm Al-Quwain	74.33 291 eP	P	21 58 58.7 +1.5
AKT	Akhty	74.43 309 eP	P	21 58 58.5 +0.8
AKT	Akhty	74.43 309 eP	P	21 59 08.5
AKT	Akhty	74.43 309 eP	P	22 00 42.0 +1.1
AKT	Akhty	74.43 309 eP	P	22 01 54.5
AKT	Akhty	74.43 309 eP	P	22 07 51.0 -2.1
AKT	Akhty	74.43 309 eP	P	22 08 25.1
LLLl	Lilloeet	74.44 41 eP	P	21 58 58.7 +1.2
LLLl	Ararj	74.45 289 eP	P	22 07 52.9 +0.2
NAZ	Nazwa, Dubai	74.53 290 eP	P	21 58 60.0 +2.0
ALNE	Al Ain	74.82 289 eP	P	21 59 00.9 +0.8
MOS	Moscow	74.84 325 eP	P	21 58 59.9 +0.4
MOS	Moscow	74.84 325 eP	P	22 00 41.6
MOS	Moscow	74.84 325 eP	P	22 01 30.6
MOS	Moscow	74.84 325 eP	P	22 07 52.9 -3.8
MOS	Moscow	74.84 325 eP	P	22 08 18.2
MOS	comp-Z,2.2um,1.7s		S	21 58 59.9 +0.4
MOS	comp-Z,571nm,1.0s		S	22 00 41.6
MOS	comp-Z,1.1um,16.0s		S	22 07 52.9 -3.8
MOS	comp-E,1.1um,17.0s		S	22 08 18.2
ASUD	Al Ashush, Dub	74.95 290 eP	P	21 59 01.7 +1.0

TRO	Tromsø	74.96 342 eP	P	21 59 00.5 +0.6
TRO	comp-Z,229nm,0.6s		S	21 59 01.3
E03A	Lebam	75.03 45 eP	P	21 59 02.5 +1.8
GROC	Groznyy	75.09 311 eP	P	21 58 59.9 -1.3
GROC	Groznyy	75.09 311 eP	P	21 59 11.7
GROC	Groznyy	75.09 311 eP	P	22 00 41.4 -3.2
GROC	Groznyy	75.09 311 eP	P	22 01 31.3 -3.7
GROC	Groznyy	75.09 311 eP	P	22 01 58.5
GROC	Groznyy	75.09 311 eP	P	22 07 58.4 -1.6
GROC	Groznyy	75.09 311 eP	P	22 08 27.2
BFZ	Birch Farm	75.13 152 eP	P	21 59 01.3 +0.1
TULEG	Thule	75.25 7 eP	P	21 59 02.0 +0.6
AJN	Ajban	75.27 290 eP	P	21 59 02.9 +0.4
F03A	Seaside	75.27 46 eP	P	21 59 03.5 +1.4
LPSR	Galich ya Gora	75.50 322 eP	P	21 59 04.0 +0.8
LPSR	comp-Z,371nm,1.1s		S	22 08 00.2 -3.7
LPSR	comp-Z,500nm,0.7s		S	22 08 23.0
LPSR	comp-Z,510nm,0.7s		S	21 59 04.6 +1.1
LPSR	comp-E,10.0nm,2.4s		S	21 59 04.5 +0.4



YBH	Phinny Hill Vi	77.59	45	eP	S	22 08 26.7	+0.1
F07A	comp-Z,144nm,1.1s				P	21 59 16.8	+1.8
IGDI	IGDIR	77.62	308	iP	P	21 59 15.5	+0.2
HAWA	Hanford	77.62	44	eP	P	21 59 16.4	+1.3
D08A	Wollman Farm,	77.71	43	eP	P	21 59 16.7	+1.1
C09A	Christman Ranch	77.77	43	eP	P	21 59 17.0	+1.1
KCPM	Cahto Peak	77.81	52	eP	P	21 59 18.2	+1.7
PINE	Pine Mountain	77.85	47	eP	P	21 59 18.3	+1.6
E08A	Dider Farm, EI	77.88	44	eP	P	21 59 17.7	+1.2
KARS	Kars	77.99	309	eP	P	21 59 18.9	+1.5
KULLO	Kullorsuaq	78.13	5	iP	P	21 59 17.8	+0.5
KULLO	Kullorsuaq	78.13	5	iP	P	21 59 17.8	+0.5
WDC	Whiskeytown Da	78.15	51	eP	P	21 59 19.1	+1.0
WDC	Whiskeytown Da	78.15	51	eP	P	21 59 19.1	+1.0
NEW	Newport	78.25	42	eP	P	21 59 19.5	+0.9
NEW	Newport	78.25	42	eP	P	21 59 19.5	+0.9
NEW	Newport	78.25	42	eP	P	21 59 19.5	+0.9
NEW	Newport	78.25	42	eP	P	21 59 19.5	+0.9
VMUR	Van-Muradiye	78.34	308	iP	P	21 59 20.4	+1.0
K05A	Summer Lake	78.35	48	eP	P	21 59 20.8	+1.4
E09A	Wood Farm, Sta	78.43	44	eP	P	21 59 20.7	+1.2
G08A	Pilot Rock	78.47	45	eP	P	21 59 21.0	+1.1
G08A	Moi Rana	78.50	340	iP	P	22 08 35.0	-1.2
MOR8	MOR8	78.50	340	iP	P	21 59 18.5	+0.9
AGR8	Hanur-Agry	78.50	309	eP	P	21 59 21.4	+1.1
SENK	Senkaya-Erzuru	78.52	310	eP	P	21 59 21.8	+1.4
BCA	Gorcka	78.64	311	eP	P	21 59 21.0	+0.6
VANB	Van	78.64	307	eP	P	21 59 22.3	+1.4
TVAN	Van	78.66	307	iP	P	21 59 22.1	+1.0
I07A	Izee	78.66	46	eP	P	21 59 22.1	+1.1
KONS	Konsvik	78.67	341	eP	P	21 59 20.4	+0.1
KONS	Konsvik	78.67	341	eP	P	21 59 22.5	
VSU	Vasula	78.69	331	iP	P	21 59 20.8	+0.3
SOC	Sochi	78.96	313	iP	P	21 59 22.8	+0.4
SOC	Sochi	78.96	313	iP	P	22 01 06.5	-0.6
SOC	Sochi	78.96	313	iP	P	22 01 56.0	-1.1
SOC	Sochi	78.96	313	iP	P	22 02 32.1	
SOC	Sochi	78.96	313	iP	P	22 04 22.3	
SOC	Sochi	78.96	313	iP	P	22 09 11.6	+0.5
SOC	Sochi	78.96	313	iP	P	22 17 33.3	
WHFO	Wadi Hawf	78.99	285	P	P	21 59 24.0	+1.0
GEVA	Gevas	79.00	307	iP	P	21 59 22.9	0.0
ADCV	BITLIS_Adilcev	79.02	308	iP	P	21 59 23.8	+0.8
HOMI	Horasan	79.05	309	iP	P	21 59 22.6	-0.6
MOD	Modoc Plateau	79.10	49	eP	P	21 59 24.2	+0.8
MOD	Modoc Plateau	79.10	49	eP	P	21 59 24.2	+0.8
F10A	Beach Ranch, E	79.24	44	eP	P	22 08 41.7	-1.3
EKAR	Karacaban	79.29	309	iP	P	21 59 21.6	-2.9
ORV	Oroville	79.31	51	eP	P	21 59 24.9	+0.5
ORV	Oroville	79.31	51	eP	P	21 59 24.9	+0.5
CHOM	Cayelli-Rize	79.38	311	eP	P	21 59 25.7	+1.0
GURO	Guromyak-BITLI	79.62	308	eP	P	21 59 27.2	+1.1
ABTO	Abtut	79.63	284	eP	P	21 59 29.0	+2.5
J08A	Circle Bar Ranch	79.65	47	eP	P	21 59 27.5	+1.3
BMO	Blue Mountains	79.71	45	eP	P	21 59 27.4	+0.9
BMO	Blue Mountains	79.71	45	eP	P	22 08 50.1	+1.1
BMO	Blue Mountains	79.71	45	eP	P	21 59 27.4	+0.9
BMO	Blue Mountains	79.71	45	eP	P	22 08 50.1	+1.1
VRTB	Varto-Mus	79.75	309	eP	P	21 59 28.3	+1.4
VRTB	Varto-Mus	79.75	309	eP	P	21 59 28.3	+1.4
WALA	Wateron Lakes	79.76	40	eP	P	21 59 28.3	+1.6
SIRT	Sirkak	79.79	307	eP	P	21 59 28.1	+1.1
SIRN	S-rnapa	79.81	307	iP	P	21 59 27.9	+0.7
ANN	Annak	79.87	315	iP	P	21 59 27.4	+0.3
ANN	Annak	79.87	315	iP	P	22 01 10.0	-2.1
ANN	Annak	79.87	315	iP	P	22 02 00.7	
ANN	Annak	79.87	315	iP	P	22 02 34.4	
ANN	Annak	79.87	315	iP	P	22 04 27.5	
ANN	Annak	79.87	315	iP	P	22 06 50.4	+0.1
ANN	Annak	79.87	315	iP	P	22 14 12.7	+0.6
SRTM	Siirt_Merkez	79.94	307	iP	P	21 59 28.7	+0.9
AFDM	Forest Hills D	79.95	51	eP	P	21 59 28.7	+0.9
BEKR	Beckworth	79.97	50	eP	P	21 59 28.8	+0.8
BEKR	Beckworth	79.97	50	eP	P	21 59 28.8	+0.8
WVOR	Wild Horse Val	79.97	48	eP	P	22 08 51.3	-0.7
WVOR	Wild Horse Val	79.97	48	eP	P	21 59 28.9	+1.0
KOPT	Kop Dagl	80.03	310	iP	P	21 59 30.2	+1.7
BNGL	BINGOL	80.06	309	iP	P	21 59 30.7	+2.1
RDG13	Poverty Ridge	80.08	53	eP	P	21 59 29.7	+1.2
KTUT	Trabzon	80.10	311	eP	P	21 59 29.1	+0.7
BAYT	Ayd-tepe-Bay	80.11	310	eP	P	21 59 29.8	+1.0
JTMT	Jette	80.16	41	eP	P	21 59 30.4	+1.5
YEDI	Yedisu-Bingol	80.26	309	eP	P	21 59 30.5	+0.9
MICGM	Minsk	80.33	327	iP	P	21 59 29.0	-0.3
MICGM	Minsk	80.33	327	iP	P	21 59 31.0	
MICGM	Minsk	80.33	327	iP	P	21 59 32.0	
MICGM	Minsk	80.33	327	iP	P	21 59 33.0	
MICGM	Minsk	80.33	327	iP	P	22 01 22.0	+7.5
MICGM	Minsk	80.33	327	iP	P	22 02 16.0	+12
MICGM	Minsk	80.33	327	iP	P	22 03 41.0	+61
MICGM	Minsk	80.33	327	iP	P	22 04 38.0	
MICGM	Minsk	80.33	327	iP	P	22 08 22.0	-7.7
MICGM	Minsk	80.33	327	iP	P	22 12 08.0	+2.6
MICGM	Minsk	80.33	327	iP	P	22 14 26.0	+7.7
MICGM	Minsk	80.33	327	iP	P	22 18 12.0	
MICGM	Minsk	80.33	327	iP	P	22 21 20.0	
MNK	Minsk	80.33	327	iP	P	21 59 30.9	-0.3
MNK	Minsk	80.33	327	iP	P	22 01 11.0	
MNK	Minsk	80.33	327	iP	P	22 04 38.0	
MNK	Minsk	80.33	327	iP	P	22 08 52.0	-2.7
MNK	Minsk	80.33	327	iP	P	22 14 26.0	+7.7
MNK	Minsk	80.33	327	iP	P	21 59 31.4	+1.3
SVAN	Bing'iji	80.37	309	eP	P	21 59 30.9	+0.8
BNGS	Silvan-Diyarba	80.38	308	eP	P	21 59 29.2	-0.2
IZAR	Hamsos	80.39	340	eP	P	21 59 30.5	+0.7
IZAR	Zarasai	80.42	328	eP	P	21 59 31.8	
IDID	Didzasalis	80.43	328	eP	P	21 59 30.5	+0.7
IDID	Didzasalis	80.43	328	eP	P	21 59 31.9	

BTMN	Batman	80.45	308	iP	P	21 59 30.6	+0.2
RUBR	Rubicon Trail	80.47	51	eP	P	21 59 32.7	+1.9
ISAL	Salakas	80.57	328	eP	P	21 59 31.3	+0.7
SAO	San Andreas Ge	80.58	54	eP	P	21 59 31.9	+0.8
SAO	San Andreas Ge	80.58	54	eP	P	21 59 31.9	+0.8
NACGM	Naroch	80.64	328	eP	P	21 59 30.0	-0.9
NACGM	Naroch	80.64	328	eP	P	21 59 31.0	
NACGM	Naroch	80.64	328	eP	P	22 08 52.0	-5.8
NACGM	Naroch	80.64	328	eP	P	22 32 28.0	
IGN	Ignalina	80.65	328	eP	P	21 59 31.7	+0.7
PAHR	Pah Rah Range	80.71	50	eP	P	21 59 32.5	+0.7
VCNR	Virginia City	80.71	51	eP	P	21 59 33.3	+1.3
ERZN	Erzincan	80.76	310	eP	P	21 59 32.4	+0.3
CMB	Columbia Colle	80.77	52	eP	P	21 59 32.9	+0.8
CMB	Columbia Colle	80.77	52	eP	P	21 59 32.9	+0.8
SUMG	Summit	80.78	360	iP	P	21 59 32.8	+0.9
SUMG	Summit	80.78	360	iP	P	21 59 32.9	+1.0
SUMG	Summit	80.78	360	iP	P	21 59 32.9	+1.0
ESPY	Espiye-Giresun	80.83	311	eP	P	21 59 32.0	-0.3
MISO	Misoula	80.83	42	eP	P	21 59 32.5	+0.2
PNTR	Pine Nut	80.84	51	eP	P	21 59 34.1	+1.4
YERR	Yerrington	81.14	51	eP	P	21 59 35.1	+1.0
WAKR	Walker	81.22	51	eP	P	21 59 36.1	+1.5
PMPB	Monarch Peak	81.29	54	eP	P	21 59 36.6	+1.8
PTK	Perleke	81.31	309	eP	P	21 59 36.3	+1.3
MFID	Camas Ranch	81.33	46	eP	P	21 59 36.1	+1.2
SVRC	Sivrice-ELAZID	81.61	309	eP	P	21 59 37.8	+1.2
ILIC	Illic-Erzincan	81.62	310	eP	P	21 59 37.8	+1.3
AKASG	Akarsa	81.70	323	eP	P	21 59 36.5	-0.1
AKASG	Akarsa	81.70	323	eP	P	22 09 05.7	-3.1
AKASG	Akarsa	81.70	323	eP	P	22 18 02.5	-2.7
AKAB	Malin Array Si	81.70	323	eP	P	21 59 36.5	0.0
AKAB	Malin Array Si	81.70	323	eP	P	21 59 36.6	0.0
AKAB	Malin Array Si	81.70	323	eP	P	21 59 36.5	-0.2
AK11	Malin Array Si	81.70	323	eP	P	21 59 38.9	+1.3
RYN	Ryan	81.80	51	eP	P	21 59 35.1	-1.9
TBLU	Troidheim	81.83	339	eP	P	21 59 38.1	+0.4
BMN	Battle Mountai	81.84	49	eP	P	21 59 38.1	+0.4
BMN	Battle Mountai	81.84	49	eP	P	21 59 38.1	+0.4
BMN	Battle Mountai	81.84	49	eP	P	21 59 38.1	+0.4
SIM	Simferopol'	81.86	316	eP	P	21 59 38.6	+1.1
SIM	Simferopol'	81.86	316	eP	P	22 02 14.0	
SIM	Simferopol'	81.86	316	eP	P	22 09 08.0	-2.7
MDPB	Devils Postpil	81.87	52	eP	P	21 59 39.2	+1.1
KVNV	Kaiserville	81.89	50	eP	P	21 59 39.3	+1.2
KVNV	Kaiserville	81.89	50	eP	P	21 59 39.3	+1.2
PAGB	Antelope Grade	81.91	54	eP	P	21 59 39.5	+1.5
OMMB	Old Mammoth M	81.94	52	eP	P	21 59 39.6	+1.1
RSDY	Resadiye-TOKAT	82.01	311	eP	P	21 59 36.5	-1.9
MLAC	Mammoth, Mammo	82.05	52	eP	P	21 59 38.8	-0.1
NV01	Mina Array Sit	82.05	51	eP	P	21 59 39.4	+0.5
NVAR	Mina Array Bea	82.05	51	eP	P	21 59 40.2	+1.3
NVAR	Mina Array Bea	82.05	51	eP	P	22 09 12.8	-0.5
SCO	Scoresbysund	82.05	354	eP	P	21 59 38.9	+1.0
SCO	Scoresbysund	82.05	354	eP	P	21 59 39.4	+1.5
SCO	Scoresbysund	82.05	354	eP	P	21 59 39.4	+1.5
HRV	Holter Researc	82.15	41	eP	P	21 59 40.2	+1.2
HRV	Holter Researc	82.15	41	eP	P	22 09 14.4	+0.7
NV11	Mina Array Sit	82.15	51	eP	P	21 59 40.2	+0.9
HLID	Halley	82.16	45	eP	P	21 59 40.6	+1.3
HLID	Halley	82.16	45	eP	P	22 09 18.1	+4.0
LRLM	Limekiln Ridge	82.23	42	eP	P	21 59 40.5	+0.8
LRLM	Limekiln Ridge	82.23	42	eP	P	22 09 14.7	-0.2
MLAT	Malatya	82.25	309	eP	P	21 59 41.0	+1.2
SMCC	Simler	82.29	54	eP	P		

1695

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like BGU Big Grassy Mow, SC12 San Clemente I, KOTZ Kozan, etc.

2012 MAY

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like KWP Kalwaria Pacla, KWP Kalwaria Pacla, MPU Maple Canyon, etc.

26d 21h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like GLA Glamis, YLV Yalova, SGRR Sinyureti, etc.

26/21h

Table with columns for station call letters, name, frequency, and other details. Includes stations like VRAC Vranov, ALN Alexandroupoli, GELI Smolenice, etc.

2012 MAY

Table with columns for station call letters, name, frequency, and other details. Includes stations like NKC Novy Kostel, B34A Aery, SRS Serrai, etc.

1696

Table with columns for station call letters, name, frequency, and other details. Includes stations like PHP Peshkopia, PHP Peshkopia, FNA Florida, etc.



Table with columns: SDV, Santo Domingo, 133.54, 44, PKH/KP, PKPpre, 22 06 16.6, etc.

Table with columns: SDV, Santo Domingo, 133.54, 44, ePKPdf, SKPbc, 22 09 14.5 -0.1, etc.

Table with columns: SDV, Santo Domingo, 133.54, 44, ePKPdf, SKPbc, 22 06 30.9 -0.5, etc.

Table with columns: SDV, Santo Domingo, 133.54, 44, ePKPdf, SKPbc, 22 06 30.9 -0.5, etc.

Table with columns: SDV, Santo Domingo, 133.54, 44, ePKPdf, SKPbc, 22 06 30.9 -0.5, etc.

Table with columns: SDV, Santo Domingo, 133.54, 44, ePKPdf, SKPbc, 22 06 30.9 -0.5, etc.

Table with columns: SDV, Santo Domingo, 133.54, 44, ePKPdf, SKPbc, 22 06 30.9 -0.5, etc.

Table with columns: SDV, Santo Domingo, 133.54, 44, ePKPdf, SKPbc, 22 06 30.9 -0.5, etc.

Table with columns: SDV, Santo Domingo, 133.54, 44, ePKPdf, SKPbc, 22 06 30.9 -0.5, etc.

Table with columns: APE, Apeiranthos, 2.45, 310, PN, Pn, 21 59 08.7 +1.4, etc.

Table with columns: KRSC, 26 21:58:59.1, 2.1, 50.51N, 156.45E, h30km, 12km, ML3.6, etc.

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

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

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

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

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

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

ISCJB 26 22:02:55.5, 0.4, 51.53N, 02:16:15E, 0.02, h0km, mb3.5/1, MS3.9/1, Error ellipse: s-maj=3.3km s-min=2.1km az=7.1

CSEM 26 22:02:57.8, 0.2, 51.49N, 16:12E, h2km, ML3.7/8, Error ellipse: s-maj=4.5km s-min=2.2km az=12.0

PRU 26 22:02:58.9, 0.5, 51.50N, 16:13E, h1km, ML3.2/9, Error ellipse: s-maj=5.6km s-min=2.2km az=23.0

ISC 26 22:02:56.4, 0.5, 51.54N, 02:16:12E, 0.02, h0km, n76, s1945/142, Poland

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

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

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

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

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

CSEM 26 21:58:26.6, 35.50N, 27.86E, h5km, ML2.5, ISK 26 21:58:26.6, 35.50N, 27.86E, h5km, ML2.5/2, Dodecanese Islands

CSEM 26 21:59:41.2, 0.1, 44.89N, 11:35E, h5km, ML2.1, Error ellipse: s-maj=5.8km s-min=4.0km az=100.0

ISC 26 22:02:56.4, 0.5, 51.54N, 02:16:12E, 0.02, h0km, n76, s1945/142, Poland

ISC 26 22:02:56.4, 0.5, 51.54N, 02:16:12E, 0.02, h0km, n76, s1945/142, Poland

ISC 26 22:02:56.4, 0.5, 51.54N, 02:16:12E, 0.02, h0km, n76, s1945/142, Poland

ISC 26 22:02:56.4, 0.5, 51.54N, 02:16:12E, 0.02, h0km, n76, s1945/142, Poland

ISC 26 22:02:56.4, 0.5, 51.54N, 02:16:12E, 0.02, h0km, n76, s1945/142, Poland

ISC 26 22:02:56.4, 0.5, 51.54N, 02:16:12E, 0.02, h0km, n76, s1945/142, Poland

ISC 26 22:02:56.4, 0.5, 51.54N, 02:16:12E, 0.02, h0km, n76, s1945/142, Poland

ISC 26 22:02:56.4, 0.5, 51.54N, 02:16:12E, 0.02, h0km, n76, s1945/142, Poland

ISC 26 22:02:56.4, 0.5, 51.54N, 02:16:12E, 0.02, h0km, n76, s1945/142, Poland

ISC 26 22:02:56.4, 0.5, 51.54N, 02:16:12E, 0.02, h0km, n76, s1945/142, Poland

ISC 26 22:02:56.4, 0.5, 51.54N, 02:16:12E, 0.02, h0km, n76, s1945/142, Poland

ISC 26 22:02:56.4, 0.5, 51.54N, 02:16:12E, 0.02, h0km, n76, s1945/142, Poland

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Niedzica, Vyhne, Stebnicka Huta, etc.

CSEM 26 22:07:30.5, 44.88N, 11.18E, h4km, ML2.5/8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SanFelice sul, Massa Finalese, Dosso, Cento, etc.

CSEM 26 22:08:25.3, 44.86N, 11.10E, h4km, ML2.2/16

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SanFelice sul, Massa Finalese, Loc. Fossa, Co, etc.

Table with columns: NDIM, Station Name, Az, Phase ID, Time, Res. Includes stations like Bondeno (FE), Casamaru (Bond), Dosso, Cento, etc.

DDA 26 22:10:20.5, 39.10N, 43.63E, h7km, ML2.7

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

CSEM 26 22:10:21.9, 1.1, 39.04N, 0.03, 43.63E, h6km, ML2.7

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

CSEM 26 22:10:24.2, 35.55N, 27.82E, h10km, ML2.4

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

ISC 26 22:34:22.2, 2.19, 2N, 0.1, 63.48W, 0.05, h30km, 14km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Anegada, St. Maarten, Tortola, etc.

ISCJB 26 22:34:24.1, 1.3, 24.10S, 0.07, 67.6W, 0.2, h220km, 22km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IROC Station P, Mina Guanaco, etc.

ISC 26 22:47:19.9, 4.6, 37.14N, 72.27E, h200km, 41km, mb3.2/5

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

ISC 26 22:47:21.5, 1.6, 37.44N, 0.1, 72.0E, 0.1, h200km, n25

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Sufi-Kurgan, Almayush, Manas, etc.







BRTR Keskin Array B 146.17 316 PKPbc PKPdf 23 36 04.3 +0.5
0.5nm,0.6sbz=111,slow=3.9,SNR=5.0
GERES GERES Array B 148.14 347 PKPbc PKPbc 23 36 09.9 -0.4
0.1nm,0.3sbz=4.3,slow=3.9,SNR=3.9

IDC 26 23:25:29.3;1.4,33.86N;24.82E,h0km,mb3.6/4,
mb1.3/4.7,mb1mx3/2.56,mbtmp3.4/7,ML2.3/3,MS3.4/1,
Ms1.3/4.1,ms1mx2+1.51,Error ellipse: s-maj=30.4km
s-min=20.5km az=121.0

ISCJB 26 23:25:31.5;1.6,33.82N;0.05;24.72E;0.05,h31km,15km,
mb3.6/4,MS3.4/1,Error ellipse: s-maj=8.8km s-min=7.1km
az=81

CSEM 26 23:25:32.7;0.5,33.99N;24.71E,h10km,ML2.2,Error
ellipse: s-maj=9.6km s-min=4.3km az=2.0
ATH 26 23:25:33.9;34.02N;24.64E,h39km,ML2.6/2,Error
ellipse: s-maj=5.4km s-min=1.6km az=7.0

THE 26 23:25:35.4;34.11N;24.69E,h5km,2km,ML2.6/2,Error
ellipse: s-maj=3.0km s-min=1.1km az=212.0
DDA 26 23:26:20.3;34.79N;26.80E,h11km,ML2.3
ISC 26 23:25:32.1;1.9,33.90N;0.08;24.78E;0.03,h25km,13km,
n84,c155/103,mb3.6/4,Central Mediterranean Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like Gavdhos, Sivas, Anoyia, etc.

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

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

IDC 26 23:45:14.8;0.7,13.33N;147.17E,h0km,mb4.1/15,
mb1.4/3.16,mb1mx4.0/62,mbtmp4.1/16,ML4.6/1,Error
ellipse: s-maj=19.7km s-min=16.2km az=97.0

ISCJB 26 23:45:18.0;0.6,13.30N;0.09;147.17E;0.08,h33km,
mb4.1/17,Error ellipse: s-maj=13.3km s-min=10.6km
az=178.9

NEIC 26 23:45:20.2;0.6,13.29N;147.12E,h35km,mb4.2/1,Error
ellipse: s-maj=17.0km s-min=14.2km az=93.0

ISC 26 23:45:20.0;0.8,13.30N;0.1;147.14E;0.10,h35km,n20,
r141/21,mb4.2/17,South of Mariana Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like GUMO, JUNU, KSRS, etc.

KRSC 27 00:09:57.3;1.4,50.96N;158.26E,h42km,20km,ML3.8
ISCJB 27 00:09:58.6;1.2,50.97N;0.05;158.18E;0.08,h29km,8km,
Error ellipse: s-maj=11.0km s-min=6.1km az=135.7

SKHL 27 00:09:58.7;0.8,50.90N;158.24E,h35km,mb4.0/2
ISC 27 00:09:56.3;3.2,50.96N;0.08;158.25E;0.07,h13km,23km,
n28,r1520/41,East of Kuril Islands

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

NNC 27 00:10:44.1;2.2,53.58N;87.73E,h0km,mb3.7,mpv3.4,
45-50,Error ellipse: s-maj=23.2km s-min=13.3km
az=54.0,Southwestern Siberia

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

DDA 26 23:25:49.0,39.02N;25.85E,h10km,ML2.8
ISK 26 23:25:49.9,39.01N;25.92E,h14km,ML2.8/17
ATH 26 23:25:50.1,39.03N;25.95E,h21km,ML2.3/5,Error
ellipse: s-maj=2.0km s-min=1.1km az=79.0

THE 26 23:25:50.9,39.02N;25.94E,h6km,1km,ML2.2/6,Error
ellipse: s-maj=1.9km s-min=0.6km az=91.0

UCR 27 00:14:25.4.2.7, 11.33N-85.99W, h89km, gkm, MD4.1, 2C-7D, Nicaragua

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various stations like CONCEPCION, CRUZ, HOTEL RINCÓN, etc.

NNC 27 00:34:53.6.0.7, 40.22N-63.38E, h0km, mb3.6, mpv3.4, 9C-7D, Error ellipse: s-maj=10.3km s-min=5.3km

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like ALIBECK ARRAY, MIYAKONAGASAWA, etc.

IDC 27 00:48:00.7.1.3.32.15Sx178.18W, h0km, mb3.8/3, mb1.4/0.4, mb1mx3.6/45, mbmp3.8/4, ML3.5/1, MS4.0/1, MS1.4/0.1, ms1mx2.6/43, Error ellipse: s-maj=40.2km

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like UREWERA, ASAR ALICE SPRINGS, WARRAMUNGA ARR, etc.

IDC 27 01:02:13.2.1.1.3.43S-139.83E, h0km, mb3.7/4, mb1.4/0.5, mb1mx3.6/44, mbmp3.8/5, ML4.4/1, Error ellipse: s-maj=41.2km s-min=12.4km az=126.0, Irian Jaya

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like JAY JAYAPURA, JAY, WARRAMUNGA ARR, etc.

MKAR Makanchi Array 71.04 322 P P 01 13 33.9 +0.7

VNDA Vanda 74.97 175 P P 01 13 56.0 0.0

ILAR Eielson Array 86.02 24 P P 01 14 53.7 -1.8

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like DDB Zmir, GCAM G?zelcam?, etc.

NIED 27 01:49:40.38:60N:144:70E, h5km, Mw4.3 Best double couple: M3.00000x1015 NP1:ps17.00000, delta21.00000, lambda-82.00000, NP2:ps189.00000, delta69.00000, lambda-93.00000

IDC 27 01:49:47.5:0.6, 38:48N:144:97E, h0km, mb4.1/24, mb1.4/3/1, mb1mx4.2/71, mbtmp4.2/31, ML3.5/7, MS3.2/16, Ms1.3/2/16, ms1mx3.0/61, Error ellipse: s-maj=15.5km s-min=13.0km az=146.0

ISJC 27 01:49:49.5:1.3, 38:78N:144:68E, h0km, mb4.2/40, MS3.2/13, Error ellipse: s-maj=5.5km s-min=4.1km az=157.0

JMA 27 01:49:50.7:0.2, 38:65N:144:71E, h33km, M4.0

NEIC 27 01:49:51.4:1.4, 38:66N:144:81E, h33km, mb4.5/21, Error ellipse: s-maj=9.4km s-min=5.9km az=90.9

ISC 27 01:49:51.9:0.8, 38:63N:144:86E, h0.05, h25km, 4km, n141, delta94/165, mb4.2/40, MS3.4/13, 6C-2D, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like OFUJU Ofunato, MIYAKONAGASAWA, etc.

JOSM Okushiri-Mats 5.37 312 P P 01 51 09.1 -1.3

JTKR Abashiri-Toko 5.39 353 P P 01 51 08.7 -1.9

JTKR Tuman 5.41 7 P P 01 51 09.6 -1.3

GRPR GRPR 5.47 7 P P 01 52 04.5 -7.7

GRPR GRPR 5.47 7 P P 01 51 08.2 -2.9

JRY Ryogami san 5.42 243 P P 01 52 05.2 -7.4

YUK Yuzh-Kuril'sk 5.46 8 eP P 01 51 10.1 -1.4

YUK YUK 5.46 8 eP P 01 52 06.8 -6.7

YUK YUK 5.46 8 eP P 01 52 06.8 -6.7

YUK YUK 5.46 8 eP P 01 52 06.8 -6.7

YUK YUK 5.46 8 eP P 01 52 06.8 -6.7

YUK YUK 5.46 8 eP P 01 52 06.8 -6.7

YUK YUK 5.46 8 eP P 01 52 06.8 -6.7

LAGR Lagunnoye 5.47 7 P P 01 51 10.9 -0.8

LAGR LAGR 5.47 7 P P 01 52 07.4 -6.4

LAGR LAGR 5.47 7 P P 01 51 10.9 -0.8

LAGR LAGR 5.47 7 P P 01 52 07.4 -6.4

LAGR LAGR 5.47 7 P P 01 51 10.9 -0.8

LAGR LAGR 5.47 7 P P 01 52 07.4 -6.4

LAGR LAGR 5.47 7 P P 01 51 10.9 -0.8

LAGR LAGR 5.47 7 P P 01 52 07.4 -6.4

comp=E, 2.3, 0nm, 0.3s, baz=33, slow=17, SNR=4.2

JHU Mitsune 6.86 218 eP Pn 01 51 27.8 -3.0

JHU Hachioji jima 2 6.87 218 eP Pn 01 51 27.8 -3.2

JHU Hachioji jima 2 6.87 218 eP Pn 01 51 27.8 -3.2

JHU Hachioji jima 2 6.87 218 eP Pn 01 51 27.8 -3.2

KUR Kuril'sk 6.97 18 eP Pn 01 51 30.1 -2.2

KUR Kuril'sk 6.97 18 eP Pn 01 51 30.1 -2.2

KUR Kuril'sk 6.97 18 eP Pn 01 51 30.1 -2.2

KUR Kuril'sk 6.97 18 eP Pn 01 51 30.1 -2.2

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KUR Kuril'sk 6.97 18 eP Pn 01 51 30.1 -2.2

KUR Kuril'sk 6.97 18 eP Pn 01 51 30.1 -2.2

KUR Kuril'sk 6.97 18 eP Pn 01 51 30.1 -2.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like Borovoye Array, Koldanda, Piuthan, Kashi, Sverdlowski, etc.

CSEM 27 01:57:50.3:0.1,44:84Nk:11'26E,h12km,ML2.2,Error ellipse: s-maj=3.8km s-min=2.7km az=100.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like Massa Finalese, Palata Pepoli, Casumar, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like Bondeno (FE), RAVARAVARINO, Loc. Stoppiaro, etc.

MDD 27 02:07:00.3:3.2,34:14Nk:1'99E,h114km,45km,mb2.7/5, Error ellipse: s-maj=32.0km s-min=24.5km az=150.0, PRXIMO

CRAAG 27 02:07:00.0:34:45N:1'90E,ML3.5 CNRM 27 02:07:01.2,34:72N:2'00E,h0km,ML3.0 CSEM 27 02:07:02.5:0.7,34:53Nk:1'82E,h10km,ML3.0,Error ellipse: s-maj=13.5km s-min=9.3km az=157.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like Djebel Guires, La Murta, Santiago Espad, etc.

IDC 27 02:12:41.8:7.0,20:61S:172:39W,h0km,mb4.5/5, mb1 4.6/5,mb1mx3/9/46,mb2kmp4/4/5, Error ellipse: s-maj=187.1km s-min=72.3km az=128.0, Tonga Islands region

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

NIED 27 02:31:00,38:60N:144:60E,h8km,Mw3.9 Best double couple: M=8.83000x10^14 NP1:ph=48.00000°, 830.00000°, lambda=24.00000°, NP2:ph=159.00000°, 878.00000°, lambda=18.00000°

IDC 27 02:31:33.6:0.7,38:46N:144:38E,h8km,mb3.7/16, Ms1 2.8/4, Ms1mx2/5/6/4, Error ellipse: s-maj=18.4km s-min=14.7km az=139.0

ISCJB 27 02:31:36.5:0.5,38:59N:0:04:144:71E:0:04,h29km, mb3.8/16, Error ellipse: s-maj=6.2km s-min=4.5km az=154.6

JMA 27 02:31:37.4:0.2,38:61N:144:62E,h32km,ML3.7

ISC 27 02:31:38.4:0.7,38:57N:0:05:144:74E:0:07,h29km,n47, e173/50,mb3.9/16, Off east coast of Honshu

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

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, and other parameters. Includes stations like H11N3 WAKE ISLAND, H11S1 WAKE ISLAND, etc.

STR 27 02:55:06.0 1.9, 45°N, 6°12'E, 1.9, h5km, M3.8/6, ML3.8/6
IDC 27 02:55:05.3 1.3, 44.74°N, 11.44E, h0km, mb3.4/2, mb1 3.2/5, mb1mx3.0/58, mbtmp3.1/5, ML3.1/3, MS3.0/2, Ms 1.3/0.2, ms1mx2.2/42, Error ellipse: s-maj=30.3km s-min=13.6km az=115.0
ROM 27 02:55:07.0 0.0, 44.841°N, 0.00111°E, 1.357E, 0.001, h5km, ML3.2/54
LDG 27 02:55:06.7 0.2, 44.86°N, 11.45E, h2km, M1.2/15, Error ellipse: s-maj=2.1km s-min=4.1km az=81.0
IASPEI 27 02:55:07.3 0.7, 44.94°N, 0.0211°E, 1.375E, 0.02, h13km, 2.3km, Error ellipse: s-maj=2.6km s-min=2.3km az=134.4, GT5 selection from ISC bulletin GT5 identified by Bond 'jr and McLaughlin (2009) selection criteria Bond 'jr and McLaughlin. A new ground truth data set for seismic studies, <b>Seism. Res. Let.</b>, <b>80</b>, 465-472, 2009
CSEM 27 02:55:07.2 0.1, 44.86°N, 11.38E, h8km, ML3.5/15, Error ellipse: s-maj=2.8km s-min=2.2km az=141.0
ISCJB 27 02:55:07.1 0.2, 44.79°N, 0.0211°E, 1.37E, 0.02, h19km, 1km, mb3.5/2, MS3.7/1, Error ellipse: s-maj=2.5km s-min=2.3km az=173
PRU 27 02:55:10.3, 44.85°N, 11.47E, h29km
ISC 27 02:55:07.1 0.7, 44.85°N, 0.0111°E, 1.36E, 0.01, h14km, 3km, n278, r1946/338, 13C-16D, Northern Italy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and other parameters. Includes stations like T0822 Casumar (Bond), T0823 Casumar (Bond), etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, and other parameters. Includes stations like SERM, SERM, SERM, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, and other parameters. Includes stations like IMOL, IMOL, IMOL, etc.



VLC	comp=E,620µm,0.8s		AML	AML					
VLC	comp=N,538µm,1.4s		AML	AML					
VLC	comp=E,620µm,0.8s		AML	AML					
VLC	comp=N,538µm,1.4s		AML	AML					
VLC	comp=N,538µm,1.4s		AML	AML					
SFI	comp=E,620µm,0.8s	1.00 159	AML	AML					
SFI	comp=E,2380µm,0.3s		AML	AML					
SFI	comp=E,2255µm,0.3s		AML	AML					
SFI	comp=N,2575µm,0.5s		AML	AML					
SFI	comp=E,2380µm,0.3s		AML	AML					
SFI	comp=N,2615µm,0.5s		AML	AML					
SFI	comp=E,2255µm,0.3s		AML	AML					
SFI	comp=N,2575µm,0.5s		AML	AML					
SFI	comp=N,2610µm,0.5s		AML	AML					
SFI	comp=N,2610µm,0.5s		AML	AML					
SFI	comp=N,2575µm,0.5s		AML	AML					
SFI	comp=E,2380µm,0.3s		AML	AML					
SFI	comp=E,2255µm,0.3s		AML	AML					
DOSS	Dozzo del Somm	1.04 353	ePg	Pb	02 55 27.4 +0.4				
DOSS			eSg	Sn	02 55 42.2 +0.3				
DOSS	Dozzo del Somm	1.04 353	ePg	Pb	02 55 27.4 +0.4				
DOSS			eSg	Sn	02 55 42.2 +0.3				
MAGA	Magasa	1.06 3311	eP	Pb	02 55 27.6 +0.2				
MAGA	Magasa	1.06 331	eP	Pb	02 55 27.6 +0.2				
MAGA			eS	Sn	02 55 44.1 +1.7				
MAGA			AML	AML					
MAGA	comp=E,5675µm,0.8s		AML	AML					
MAGA	comp=N,3715µm,0.4s		AML	AML					
MAGA	comp=E,5675µm,0.8s		AML	AML					
MAGA	comp=N,3715µm,0.4s		AML	AML					
MAGA	comp=E,5675µm,0.8s		AML	AML					
MAGA	comp=N,3715µm,0.4s		AML	AML					
CGRP	Cima Grappa	1.08 17	ePg	Pb	02 55 27.7 0.0				
CGRP			eSg	Sn	02 55 45.0 +2.1				
CGRP	Cima Grappa	1.08 17	eP	Pb	02 55 27.4 -0.3				
CGRP	Cima Grappa	1.08 17	ePg	Pb	02 55 27.7 0.0				
CGRP			eSg	Sn	02 55 45.0 +2.1				
CGRP	Cima Grappa	1.08 17	eP	Pb	02 55 27.4 -0.3				
CGRP			AML	AML					
CGRP	comp=E,1285µm,0.6s		AML	AML					
CGRP	comp=N,1445µm,0.7s		AML	AML					
CGRP	comp=E,1285µm,0.6s		AML	AML					
CGRP	comp=N,1445µm,0.7s		AML	AML					
CGRP	comp=E,1285µm,0.6s		AML	AML					
CGRP	comp=N,1445µm,0.7s		AML	AML					
CRMI	Carmignano	1.09 195	AML	AML					
CRMI			AML	AML					
CRMI	comp=E,861µm,0.7s		AML	AML					
CRMI	comp=N,890µm,0.6s		AML	AML					
CRMI	comp=E,862µm,0.7s		AML	AML					
CRMI	comp=N,890µm,0.6s		AML	AML					
CRMI	comp=E,862µm,0.7s		AML	AML					
ASQU	Asqua	1.09 163	AML	AML					
ASQU			AML	AML					
ASQU	comp=E,1415µm,0.5s		AML	AML					
ASQU	comp=N,1225µm,1.0s		AML	AML					
ASQU	comp=E,1415µm,0.5s		AML	AML					
ASQU	comp=N,1225µm,1.0s		AML	AML					
ASQU	comp=E,1415µm,0.5s		AML	AML					
MTLO	Montello	1.10 281	ePg	Pg	02 55 28.5 +0.2				
MTLO			eSg	Sn	02 55 45.1 +2.0				
MTLO	Montello	1.10 28	ePg	Pg	02 55 28.5 +0.2				
MTLO			eSg	Sn	02 55 45.1 +2.0				
MAIM	Mastiano	1.12 214	AML	AML					
MAIM	comp=E,853µm,0.8s		AML	AML					
MAIM	comp=E,852µm,0.8s		AML	AML					
MAIM	comp=N,904µm,0.7s		AML	AML					
MAIM	comp=E,853µm,0.8s		AML	AML					
MAIM	comp=N,904µm,0.7s		AML	AML					
MAIM	comp=N,904µm,0.7s		AML	AML					
PANI	Panarotta	1.21 359	ePg	Pn	02 55 29.9 +0.2				
PANI	Panarotta	1.21 359	ePg	Pn	02 55 29.9 +0.2				
CTL8	Castelleone	1.21 291	AML	AML					
CTL8	comp=N,2115µm,1.0s		AML	AML					
CTL8	comp=E,1160µm,1.2s		AML	AML					
CTL8	comp=E,398µm,1.2s		AML	AML					
CTL8	comp=N,574µm,0.4s		AML	AML					
CTL8	comp=E,398µm,1.2s		AML	AML					
CTL8	comp=N,574µm,0.4s		AML	AML					
CTL8	comp=E,398µm,1.2s		AML	AML					
CTL8	comp=N,574µm,0.4s		AML	AML					
RNI	Roncone	1.25 336	ePg	Pn	02 55 29.8 -0.5				
RNI	Roncone	1.25 336	ePg	Pn	02 55 29.8 -0.5				
PLMA	Palmaria, Port	1.34 234	AML	AML					
PLMA	comp=N,966µm,0.5s		AML	AML					
PLMA	comp=E,829µm,0.5s		AML	AML					
PLMA	comp=N,966µm,0.5s		AML	AML					
PLMA	comp=E,829µm,0.5s		AML	AML					
MABI	Malga Bissina	1.35 334	AML	AML					
MABI	comp=N,218µm,0.7s		AML	AML					
MABI	comp=E,246µm,1.3s		AML	AML					
MABI	comp=N,218µm,0.7s		AML	AML					
MABI	comp=E,246µm,1.3s		AML	AML					
PARC	Parchiule	1.35 152	AML	AML					
PARC	comp=N,440µm,0.8s		AML	AML					
PARC	comp=E,518µm,0.5s		AML	AML					
PARC	comp=E,518µm,0.5s		AML	AML					
PARC	comp=N,440µm,0.8s		AML	AML					
BOB	Bobbio (Coli)	1.36 267	AML	AML					
BOB	comp=E,527µm,1.3s		AML	AML					
BOB	comp=E,527µm,1.3s		AML	AML					
BOB	comp=N,396µm,0.5s		AML	AML					
BOB	comp=N,396µm,0.5s		AML	AML					

BOB	comp=E,576µm,1.3s		AML	AML					
BOB	comp=N,450µm,0.7s		AML	AML					
BOB	comp=N,450µm,0.7s		AML	AML					
BOB	comp=N,396µm,0.5s		AML	AML					
BOB	comp=E,576µm,1.3s		AML	AML					
CAE	Caneva	1.39 33	ePg	Pb	02 55 33.4 +0.5				
CAE	Caneva	1.39 33	ePg	Pb	02 55 33.4 +0.5				
PESA	Pesaro	1.40 130	AML	AML					
PESA	comp=E,1245µm,1.0s		AML	AML					
PESA	comp=E,1245µm,1.0s		AML	AML					
PESA	comp=N,1405µm,1.0s		AML	AML					
PESA	comp=N,1405µm,1.0s		AML	AML					
MSSA	Maissana	1.42 249	AML	AML					
MSSA	comp=N,644µm,0.7s		AML	AML					
MSSA	comp=E,502µm,0.7s		AML	AML					
MSSA	comp=N,644µm,0.7s		AML	AML					
MSSA	comp=E,502µm,0.7s		AML	AML					
MSSA	comp=N,644µm,0.7s		AML	AML					
POLC	Polcenigo	1.43 34	ePg	Pb	02 55 33.9 +0.4				
POLC	Polcenigo	1.43 34	ePg	Pb	02 55 33.9 +0.4				
POLC	Polcenigo	1.43 34	AML	AML					
POLC	comp=N,2555µm,0.4s		AML	AML					
POLC	comp=E,2335µm,0.6s		AML	AML					
POLC	comp=N,2555µm,0.4s		AML	AML					
POLC	comp=E,2335µm,0.6s		AML	AML					
POLC	comp=N,2555µm,0.4s		AML	AML					
POLC	comp=E,2335µm,0.6s		AML	AML					
FAU	Forcella Aurin	1.45 17	ePg	Pb	02 55 34.2 +0.2				
FAU	Forcella Aurin	1.45 17	ePg	Pb	02 55 34.2 +0.2				
BADI	Badioli	1.48 154	AML	AML					
BADI	comp=E,716µm,1.0s		AML	AML					
BADI	comp=E,716µm,1.0s		AML	AML					
BADI	comp=N,633µm,1.5s		AML	AML					
BADI	comp=N,633µm,1.5s		AML	AML					
AGOR	Agordo	1.52 18	ePg	Pb	02 55 35.4 +0.3				
AGOR	Agordo	1.52 18	AML	AML					
AGOR	comp=N,604µm,1.4s		AML	AML					
AGOR	comp=E,504µm,0.5s		AML	AML					
AGOR	comp=E,504µm,0.5s		AML	AML					
AGOR	comp=N,604µm,1.4s		AML	AML					
FSSB	Fossombrone	1.54 138	AML	AML					
FSSB	comp=N,1010µm,0.5s		AML	AML					
FSSB	comp=E,1010µm,0.5s		AML	AML					
FSSB	comp=N,1385µm,0.3s		AML	AML					
FSSB	comp=N,1385µm,0.3s		AML	AML					
PIEI	Pieia	1.56 147	AML	AML					
PIEI	comp=N,446µm,0.5s		AML	AML					
PIEI	comp=E,552µm,0.6s		AML	AML					
PIEI	comp=N,446µm,0.5s		AML	AML					
PIEI	comp=E,552µm,0.6s		AML	AML					
MLNI	Mainisio	1.57 34	ePg	Pn	02 55 35.4 +0.6				
MLNI	Mainisio	1.57 34	ePg	Pn	02 55 35.3 +0.6				
OZOL	Ozolo	1.57 352	ePg	Pn	02 55 35.0 +0.3				
OZOL	Ozolo	1.57 352	ePg	Pn	02 55 35.0 +0.3				
ATPC	Poggio Castell	1.58 150	AML	AML					
ATPC	comp=N,1170µm,0.5s		AML	AML					
ATPC	comp=N,677µm,1.4s		AML	AML					
ATPC	comp=N,677µm,1.4s		AML	AML					
CAFI	Castiglione Fio	1.58 164	AML	AML					
CAFI	comp=N,362µm,1.0s		AML	AML					
CAFI	comp=E,542µm,0.5s		AML	AML					
CAFI	comp=N,362µm,1.0s		AML	AML					
CAFI	comp=E,542µm,0.5s		AML	AML					
MPAG	Monte Paganuc	1.58 140	AML	AML					
MPAG	comp=N,620µm,0.5s		AML	AML					
MPAG	comp=N,620µm,0.5s		AML	AML					
MPAG	comp=E,499µm,0.6s		AML	AML					
MPAG	comp=N,620µm,0.5s		AML	AML					
ATBU	Serra di Buran	1.61 148	AML	AML					
ATBU	comp=N,1380µm,0.5s		AML	AML					
ATBU	comp=N,1380µm,0.5s		AML	AML					
ATBU	comp=N,1450µm,0.9s		AML	AML					
ATBU	comp=N,1450µm,0.9s		AML	AML					
KOSI	Kohlern	1.62 0	AML	AML					
KOSI	comp=N,795µm,0.5s		AML	AML					
KOSI	comp=E,1061µm,0.6s		AML	AML					
KOSI	comp=N,795µm,0.5s		AML	AML					
KOSI	comp=N,795µm,0.5s		AML						

Table with columns for station name, frequency, power, and other technical details. Includes stations like OBKA, PGF, AQU, SBF, SOKA, etc.

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

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



Table with columns: Station Name, Frequency, Power, Modulation, Bandwidth, SNR, and other technical details. Includes stations like MLSI Meulaboh, Aceh; KULM Kulim; LEM Lembang; etc.

Table with columns: Station Name, Frequency, Power, Modulation, Bandwidth, SNR, and other technical details. Includes stations like GYA Gulyang; BOK Bokaro; NGP Nagpur; etc.

Table with columns: Station Name, Frequency, Power, Modulation, Bandwidth, SNR, and other technical details. Includes stations like NJ2; DDI Dehra Dun; SSE Sheshan; etc.



Table with columns for flight codes (e.g., YAK, NEY, WAKE), destinations (e.g., comp=Z,2um,16.0s), status (e.g., M, L, R, P), and times. Includes sub-sections like MBAR, MAW, GOF, etc.

Table with columns for flight codes (e.g., MSVF, KARP, KARP), destinations (e.g., comp=Z,1um,20.0s), status (e.g., M, L, R, P), and times. Includes sub-sections like KLMR, CFR, AKKB, etc.

Table with columns for flight codes (e.g., BMR, PDO, LVV), destinations (e.g., Baia Mare, Prodomos, L'vov), status (e.g., M, L, R, P), and times. Includes sub-sections like IGN, FNA, DRGR, etc.





Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like R41A Rosebud, S39A Bolivar, Q45A Warren Harvey, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like X49A Woodville, 141A Papa Simpson, Y46A Hoton, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like BCIP comp=Z,350nm,19.0s, OTAV Otavalo, etc.

27d 4h

IASPEI 27 04:00:00.0.0.8.44.90N.0.02.11.07E.0.02.h9km.4km, Error ellipse: s-maj=2.7km s-min=2.3km az=90.5, GT5 selection from ISC bulletin GT5 identified by Bondi jr and McLaughlin (2009) selection criteria Bondi jr and McLaughlin. A new ground truth data set for seismic studies, <b>Seism. Res. Let.</b>, <b>80</b>, 465-472, 2009

CSEM 27 04:00:00.2.0.1.44.93N.11.03E.h5km.ML2.77. Error ellipse: s-maj=3.4km s-min=2.7km az=95.0

PRU 27 04:00:02.8.44.87N.11.22E.h26km

LDG 27 04:00:03.0.0.5.44.85N.11.02E.h2km.MI2.77. Error ellipse: s-maj=1.6km s-min=1.5km az=96.0

ISC 27 04:00:01.2.0.8.44.89N.0.01.11.07E.0.02.h8km.4km, n172.o1545/200.1C.4D. Northern Italy

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	ISC
T0818	Loc. Fossa, Co	0.05	325	eP	Pg	Sg	04 00 02.3	-0.7
T0818	Loc. Fossa, Co	0.05	325	eP	Pg	Sg	04 00 02.9	-0.7
T0802	SanFelice sul	0.08	103	eP	Pg	Sg	04 00 02.1	-1.2
T0802	SanFelice sul	0.08	103	eP	Pg	Sg	04 00 02.1	-1.2
comp=E,34150μm,0.3s								
T0802				AML	AML			
comp=N,24600μm,0.4s								
T0813	Massa Finalese	0.09	99	eP	Pg	Sg	04 00 02.4	-1.1
T0813	Massa Finalese	0.09	99	eP	Pg	Sg	04 00 02.4	-1.1
T0812	Loc. Stoppiano	0.10	51	eP	Pg	Sg	04 00 02.9	-0.7
T0812	Loc. Stoppiano	0.10	51	eP	Pg	Sg	04 00 02.9	-0.7
T0814	Loc. Cortile	0.12	217	eP	Pg	Sg	04 00 02.7	-1.3
T0814	Loc. Cortile	0.12	217	eP	Pg	Sg	04 00 02.7	-1.3
T0814	Loc. Cortile	0.12	217	eP	Pg	Sg	04 00 02.7	-1.3
T0814	Loc. Cortile	0.12	217	eP	Pg	Sg	04 00 02.6	-1.4
NDIM	Novi di Modena	0.12	268	eS	Pg	Sg	04 00 02.6	+0.7
NDIM				AML	AML			
comp=E,20450μm,0.3s								
NDIM				AML	AML			
comp=N,12650μm,0.5s								
NDIM				AML	AML			
comp=E,20550μm,0.3s								
NDIM				AML	AML			
comp=N,12550μm,0.5s								
NDIM				AML	AML			
comp=E,20450μm,0.3s								
NDIM				AML	AML			
comp=N,12650μm,0.5s								
NDIM				AML	AML			
comp=E,20550μm,0.3s								
NDIM				AML	AML			
comp=N,12550μm,0.5s								
NDIM				AML	AML			
comp=E,20450μm,0.3s								
NDIM				AML	AML			
comp=N,12650μm,0.5s								
NDIM				AML	AML			
comp=E,20550μm,0.3s								
NDIM				AML	AML			
comp=N,12650μm,0.5s								
NDIM				AML	AML			
comp=N,12550μm,0.5s								
T0800	Massa Finalese	0.13	109	eP	Pg	Sg	04 00 02.0	-2.1
T0800	Massa Finalese	0.13	109	eP	Pg	Sg	04 00 02.6	+0.5
T0800	Massa Finalese	0.13	109	eP	Pg	Sg	04 00 03.0	-1.2
T0800				AML	AML			
comp=E,19650μm,1.0s								
T0800				AML	AML			
comp=N,21200μm,0.5s								
T0800				AML	AML			
comp=E,20850μm,0.4s								
T0800				AML	AML			
comp=N,19700μm,0.4s								
T0800				AML	AML			
comp=E,19700μm,1.0s								
T0800				AML	AML			
comp=N,21250μm,0.5s								
T0800				AML	AML			
comp=E,20850μm,0.4s								
T0800				AML	AML			
comp=N,19700μm,0.4s								
T0800				AML	AML			
comp=E,19650μm,1.0s								
T0800				AML	AML			
comp=N,21200μm,0.5s								
T0800				AML	AML			
comp=N,19700μm,0.4s								
T0800				AML	AML			
comp=E,20850μm,0.4s								
RAVA	Ravarino	0.14	167	eP	Pg	Sg	04 00 02.0	-2.2
RAVA	Ravarino	0.14	167	eP	Pg	Sg	04 00 06.7	+0.4
RAVA	Ravarino	0.14	167	eP	Pg	Sg	04 00 03.0	-1.3
RAVA				AML	AML			
comp=E,30150μm,0.4s								
RAVA				AML	AML			
comp=N,59850μm,0.3s								
RAVA				AML	AML			
comp=E,30200μm,0.4s								
RAVA				AML	AML			
comp=N,59850μm,0.3s								
RAVA				AML	AML			
comp=E,30150μm,0.4s								
RAVA				AML	AML			
comp=N,59850μm,0.3s								
RAVA				AML	AML			
comp=E,30200μm,0.4s								
T0811	Palata Pepoli	0.15	135	eP	Pg	Sg	04 00 03.8	-0.7
T0811	Palata Pepoli	0.15	135	eP	Pg	Sg	04 00 07.4	+0.7
T0811	Palata Pepoli	0.15	135	eP	Pg	Sg	04 00 03.8	-0.7
T0805	Bondeno (FE)	0.18	81	eP	Pg	Sg	04 00 04.8	-0.1
T0805	Bondeno (FE)	0.18	81	eP	Pg	Sg	04 00 04.8	-0.1
T0805				AML	AML			
comp=E,6805μm,1.4s								
T0805				AML	AML			
comp=N,7785μm,0.5s								
T0805				AML	AML			
comp=E,6805μm,1.4s								
T0805				AML	AML			
comp=N,7785μm,0.5s								
T0805				AML	AML			
comp=E,6805μm,1.4s								
T0805				AML	AML			
comp=N,7785μm,0.5s								
T0805				AML	AML			
comp=E,6805μm,1.4s								
SBPO	S.Benedetto Po	0.19	326	eP	Pg	Sg	04 00 05.1	-0.1
SBPO	S.Benedetto Po	0.19	326	eP	Pg	Sg	04 00 05.1	-0.1
SBPO				AML	AML			
comp=N,8095μm,0.4s								
SBPO				AML	AML			
comp=E,2995μm,0.5s								
SBPO				AML	AML			
comp=N,8095μm,0.4s								
SBPO				AML	AML			
comp=E,2995μm,0.5s								
SBPO				AML	AML			
comp=N,8095μm,0.4s								
SBPO				AML	AML			
comp=E,2995μm,0.5s								
SBPO				AML	AML			
comp=N,8095μm,0.4s								
SBPO				AML	AML			
comp=E,2995μm,0.5s								
SERM	Sermide	0.20	53	eP	Pg	Sg	04 00 04.8	-0.5
SERM	Sermide	0.20	53	eP	Pg	Sg	04 00 04.8	-0.5
SERM				AML	AML			
comp=E,1935μm,0.5s								
SERM				AML	AML			
comp=N,1495μm,0.4s								
SERM				AML	AML			
comp=E,2465μm,0.5s								

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SERM	comp=N,2710μm,0.9s	AML	AML					
SERM	comp=E,1935μm,0.5s	AML	AML					
SERM	comp=N,1495μm,0.4s	AML	AML					
SERM	comp=E,2465μm,0.5s	AML	AML					
SERM	comp=N,2716μm,0.9s	AML	AML					
SERM	comp=E,1940μm,0.5s	AML	AML					
SERM	comp=N,1495μm,0.4s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML	AML					
SERM	comp=E,2460μm,0.5s	AML	AML					
SERM	comp=N,2718μm,0.9s	AML</						





Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JYK Otama, JFT Otama, JOT Ohata, etc.

ISCJB 27 05:21:31.1, 0.3, 13.73S; 0.04, 76.31W, 0.06, h43km, mb4.7/63, MS4.0/5, Error ellipse: s-maj=9.0km

MOS 27 05:21:32.6, 1.1, 13.53S; 76.25W, h50km, mb4.9/13, Error ellipse: s-maj=15.3km s-min=7.6km az=115.7

IDC 27 05:21:33.8, 2.1, 13.66S; 76.34W, h54km, 1.9km, mb4.0/14, Ms1.4/2.18, mb1mx4.0/3.9, mbmp4.3/18, ML4.2/3, MS3.8/8, Ms1.3/9.8, ms1mx3.6/3.8, Error ellipse: s-maj=23.0km

NEIC 27 05:21:34.4, 0.8, 13.64S; 76.25W, h52km, 7km, mb4.7/55, ML4.5(ARE), Error ellipse: s-maj=10.1km s-min=4.8km az=65.0

NEIC Feil (IV) at Pisco. Also felt at Ica and Lima. ISC 27 05:21:33.3, 0.4, 13.83S; 0.05, 76.55W, 0.08, h54km, n163, s173/167, mb4.7/63, MS4.1/5, 7C-1D, Near coast of Peru

Main station list table for the left column, including stations like Nana, NNA, NNA, ATAH, ATAH, ATAH, etc.

Main station list table for the middle column, including stations like LAZ Lador, ANMO Albuquerque, ANMO Albuquerque, etc.

Main station list table for the right column, including stations like H1N3 WAKE ISLAND Hyt19.21 285, H1N2 WAKE ISLAND Hyt19.23 285, etc.





Table with columns for station name, frequency, power, and other technical details. Includes stations like MOSI, STAL, ABSI, VARE, ROSI, SABO, ARCI, ABTA, FINB, WTTA, MOTA, WATA, MYKA, DAVA, NEGI, KBA, NVLJ, SAOF, PGF, SBF, OBKA, MBDF, LPGA, LPL, SOKA, FRF, MOA, LMR, ARSA, CABF, SMRF, HINF.

Table with columns for station name, frequency, power, and other technical details. Includes stations like HINF, CDF, CONA, HAU, KHC, VIVF, STON, LASF, SMF, LOR, HYF, DPC, CLL, YER, MLBS, MURS, TURN, AYDN, DALY, BDRM, DAT, BOBT, AYDB, GCAM, FETY, MAINT, DGB, PLO, VRI, MLR, GRE, PETR, ISR, SECR.

Table with columns for station name, frequency, power, and other technical details. Includes stations like SECR, DOPRA, PLOIESTI, POGOANELE, VOIR, AMARR, CFR, ARR, HARR, LEOM, MDB, MUR, HUMELE, IAS, TLOR, TLOR, CVDA, ICOR, TIRR, LOT, MILESTII, KIS, BURAR, EFOR, CJR, CRAR, MANR, SRE, SORM, DRGR, BMR.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RAYN Ar Rayn, PMG Port Moresby, GEYT Alibeck, etc.

ISCJB 27 06:13:19.3, 0.5, 24.85N, 0.04, 122.49E, 0.02, h124km, 4km, Error ellipse: s-maj=6.3km s-min=2.9km az=175.9

JMA 27 06:13:19.2, 0.2, 24.77N, 122.48E, h129km, 2km, M2.4 TAP 27 06:13:20.9, 24.88N, 122.40E, h115km, ML3.1, D

ISC 27 06:13:19.1, 1.6, 24.87N, 0.06, 122.47E, 0.03, h129km, 9km, n59, c0975/103, 10, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EOS1 EOS1, TWB1 Santiao Chiao, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NSK bing=261, NACB Ninganchiao, etc.

IDC 27 06:26:03.4, 6.1, 5.78S, 152.19E, h49km, 52km, mb3.6/4, mb1.3/9.5, mb1mx3.4/48, mbtmp3.9/5, ML2.0/1, Error ellipse: s-maj=99.2km s-min=33.4km az=130.0, 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, etc.

UCR 27 06:31:00.2, 1.7, 12.52N, 87.90W, h36km, 11km, MD3.5, ML4.0, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CNCH Conchagua, LCND La Ca-ada, etc.

KRSC 27 06:37:21.1, 1.8, 50.31N, 157.10E, h49km, 21km, ML3.6, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, PAU Pau, etc.

DDA 27 06:37:46.8, 35.20N, 27.57E, h8km, ML3.3 IDC 27 06:37:51.5, 1.2, 35.54N, 27.82E, h0km, mb3.5/5, mb1.3/5.8, mb1mx3.3/58, mbtmp3.4/8, ML3.3/2.1, Ms1.3/2.1, ms1mx2.4/44, Error ellipse: s-maj=32.6km s-min=16.4km az=160.0

ATH 27 06:37:52.1, 35.44N, 27.86E, h18km, 1km, ML3.2/4, Error ellipse: s-maj=2.0km s-min=0.9km az=330.0

ISK 27 06:37:52.4, 35.44N, 27.81E, h7km, ML3.3/12 CSEM 27 06:37:52.7, 0.2, 35.46N, 27.88E, h2km, ML3.3, Error ellipse: s-maj=5.6km s-min=2.5km az=154.0

THE 27 06:37:53.2, 35.48N, 27.84E, h0km, 1km, ML3.2/4, Error ellipse: s-maj=2.8km s-min=1.1km az=154.0

ISC 27 06:37:52.5, 1.2, 35.44N, 0.04, 27.85E, 0.02, h7km, 9km, n142, c1835/165, mb3.3/5, 4C-2D, Dodecanese Islands

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

Table with columns: Code, Station Name, Az, El, Pn, S, B, Res. Includes stations like GCAM G7zlcami?, SMG Samos, etc.

Table with columns: Code, Station Name, Az, El, Pn, S, B, Res. Includes stations like TURN, KSL Kastellorizon, BDRM Kayabasi, etc.

Table with columns: Code, Station Name, Az, El, Pn, S, B, Res. Includes stations like DATC Data-Mugla, ZKR Zakros, etc.

DDA 27 06:38:48.8, 35.12N:27.79E, h12km, M3.4

ISCJB 27 06:38:53.9, 0.9, 35.35N:0.03:27.94E:0.03, h5km, 6km, mb3.0/7, MS4.4/2, Error ellipse: s-maj=5.0km s-min=3.5km

IDC 27 06:38:54.3, 1.2, 35.41N:27.86E, h0km, mb3.6/6, m1 3.5/10, mb1mx3.4/57, mbtmp3.5/10, ML3.3/4, MS3.8/3, Ms1 3.8/3, ms1mx2.7/59, Error ellipse: s-maj=25.2km s-min=15.8km az=161.0

ATH 27 06:38:55.7, 35.45N:27.88E, h2km, 1km, ML3.3/4, Error ellipse: s-maj=3.1km s-min=1.2km az=332.0

CSEM 27 06:38:55.2, 0.2, 35.42N:27.92E, h5km, ML3.3, Error ellipse: s-maj=5.0km s-min=3.1km az=177.0

THE 27 06:38:56.2, 35.48N:27.86E, h0km, 1km, ML3.0/4, Error ellipse: s-maj=3.2km s-min=1.2km az=154.0

ISK 27 06:38:57.4, 35.50N:27.74E, h19km, mb4.1, ML3.6

ISC 27 06:38:59.1, 1.3, 35.43N:0.03:27.87E:0.02, h12km, 8km, n92, 0:699/125, mb3.6/7, Dodecanese Islands

Table with columns: Code, Station Name, Az, El, Pn, S, B, Res. Includes stations like KARP Karpathos, ARG Arkhangelos, etc.

ATH 27 06:46:28.0, 35.42N:27.85E, h25km, 1km, ML2.9/4, Error ellipse: s-maj=2.2km s-min=2.2km az=335.0

IDC 27 06:46:27.6, 2.4, 35.51N:27.69E, h0km, mb3.4/2, mb1 3.3/4, mb1mx3.1/57, mbtmp3.2/4, ML2.4/2, Error ellipse: s-maj=6.9km s-min=25.9km az=154.0

ISCJB 27 06:46:28.3, 1.0, 35.38N:0.04:27.85E:0.03, h13km, 6km, mb3.2/2, Error ellipse: s-maj=7.9km s-min=3.7km az=160.1

CSEM 27 06:46:28.0, 3.3, 35.44N:27.86E, h10km, ML2.8, Error ellipse: s-maj=6.9km s-min=3.1km az=157.0

THE 27 06:46:28.6, 35.43N:27.82E, h2km, 1km, ML2.8/5, Error ellipse: s-maj=2.5km s-min=1.0km az=160.0

ISK 27 06:46:28.1, 35.44N:27.88E, h8km, ML3.0/11

DDA 27 06:46:28.4, 6, 35.50N:27.74E, h19km, mb3.1

ISC 27 06:46:28.7, 1.3, 35.41N:0.04:27.85E:0.03, h13km, 8km, n78, 1:13/107, Dodecanese Islands

Table with columns: Code, Station Name, Az, El, Pn, S, B, Res. Includes stations like KARP Karpathos, ARG Arkhangelos, etc.

ISCJB 27 06:57:21.5, 1.1, 2.98S:0.06:100.01E:0.09, h27km, mb3.6/4, MS3.2/2, Error ellipse: s-maj=1.03km s-min=7.3km az=157.6

IDC 27 06:57:22.0, 9.6, 2.90S:100.66E, h0km, mb3.6/4, mb1 3.7/4, mb1mx3.4/60, mbtmp3.6/4, MS3.2/2, Ms1 3.2/2, ms1mx2.6/62, Error ellipse: s-maj=492.4km s-min=24.4km az=52.0

DJA 27 06:57:22.0, 6.3, 3.4S:4.0E, h18km, 4km, M3.8/7, MLV3.8/7

ISC 27 06:57:23.2, 1.2, 2.92S:0.08:100.02E:0.1, h27km, n21, 0:180/15, mb3.6/4, Southern Sumatara

Table with columns: Code, Station Name, Az, El, Pn, S, B, Res. Includes stations like PPSI Pulau Pagai, KRJI Kerinci, etc.

SOME 27 07:30:09.2, 43.02N:79.92E, h10km KRNET 27 07:30:09.8, 0.1, 42.96N:79.89E, h17km, mb2.8

PDGK	Podgornoye	0.45 313	P	Pg	07 30 18.5 +1.4
PDGK	baz=22		S	Pg	07 30 25.6 +2.7
KTMS	Ketmen	0.52 35	S	Pg	07 30 19.0 +0.5
KTMS	40nm,0.2s		eS	Sg	07 30 25.9 +0.6
UZB	Uzbynbulak	0.68 281	eP	Pg	07 30 22.6 +1.1
UZB	42nm,0.1s		eS	Sg	07 30 32.1 +1.7
UZB	Uzbynbulak	0.68 281	eP	Pg	07 30 22.6 +1.1
UZB	baz=87		eS	Pg	07 30 32.1 +1.7
KPKS	Kokpek	1.02 296	eP	Pg	07 30 28.0 0.0
KPKS	19nm,0.1s		eS	Sg	07 30 41.9 +0.7
DJR	Jarkent	1.32 355	eP	Pn	07 30 33.0 -1.2
DJR	4.2nm,0.2s		eS	Pn	07 30 50.6 -0.9
KURS	Kuram	1.37 291	eP	Pn	07 30 35.0 +0.1
KURS	3.2nm,0.2s		eS	Sg	07 30 53.6 +1.0
KURS	Kuram	1.37 291	eP	Pn	07 30 35.0 +0.1
KURS	baz=94		eS	Sg	07 30 53.6 +1.0
MNBS	Baschi	1.54 314	eP	Pn	07 30 36.9 -0.4
MNBS	6.9nm,0.1s		eS	Sn	07 30 57.2 -0.8
MNBS	36nm,0.3s		eS	Pn	07 30 36.4 -0.8
MNBS	baz=16		eS	Sn	07 30 55.7 -2.3
ARXS	Arharly	1.94 309	eP	Pn	07 30 44.4 +1.6
ARXS	1.9nm,0.2s		eS	Sb	07 31 09.7 +0.1
TARG	Taragay, Kyrgy	2.04 231	P	Pb	07 30 45.7 -0.9
TARG	baz=32		S	Sb	07 31 11.8 -0.9
KOTS	Kotrybulak	2.08 277	eP	Pb	07 30 46.5 -0.6
KOTS	5.1nm,0.2s		eS	Sb	07 31 13.4 -0.1
MDOK	Medeo	2.12 275	eP	Pb	07 30 47.4 -0.4
MDOK	13nm,0.4s		eS	Sb	07 31 14.8 0.0
MDOK	Medeo	2.12 275	eP	Pb	07 30 47.4 -0.4
MDOK	baz=77		eS	Sb	07 31 14.8 0.0
TNSS	Tian-Shan	2.19 271	eP	Pb	07 30 48.2 -1.0
TNSS	6.3nm,0.3s		eS	Sb	07 31 16.8 -0.2
TNSS	Tian-Shan	2.19 271	eP	Pb	07 30 48.2 -1.0
TNSS	baz=73		eS	Sb	07 31 16.9 -0.2
KDJ	Kajisay	2.22 247	P	Pb	07 30 48.3 -1.3
KDJ	baz=48		S	Sb	07 31 16.5 -1.2
KAPS	Kapalarasan	2.30 350	eP	Pn	07 30 49.4 +1.7
KAPS	1.6nm,0.2s		S	Sn	07 31 18.1 +1.4
CHKK	Chushkaly	2.30 292	eP	Pb	07 30 50.1 -0.8
CHKK	0.9nm,0.3s		eS	Sb	07 31 19.7 -0.2
CHKK	Chushkaly	2.30 292	eP	Pb	07 30 50.1 -0.8
CHKK	baz=94		eS	Sb	07 31 19.7 -0.2
IZV	Izvestkoviy	2.44 271	eP	Pb	07 30 53.8 +0.5
IZV	3.0nm,0.2s		eS	Sg	07 31 25.3 -1.5
KTBS	Karotobe	2.47 287	eP	Pb	07 30 54.2 +0.4
KTBS	1.8nm,0.2s		eS	Sb	07 31 25.8 +1.0
KUU	Kury	2.76 290	eP	Pb	07 30 57.8 -0.9
KUU	0.6nm,0.2s		eS	Sb	07 31 32.4 -0.7
ULHL	Ulahol	2.83 255	P	Pn	07 30 57.1 +2.0
ULHL	baz=56		S	Sb	07 31 32.6 -2.8
KST	Kastek	2.91 272	P	Pb	07 31 00.7 -0.6
KST	4.5nm,2.9s		S	Sb	07 31 38.5 +1.0
BOOM	Boomskeye usch	2.99 261	P	Pn	07 30 59.1 +1.8
BOOM	baz=62		S	Sb	07 31 36.1 -3.7
DGS	Degeres	3.06 276	eP	Pb	07 31 05.2 +1.5
DGS	3.2nm,0.4s		eS	Sg	07 31 45.1 -1.6
TKMG	Tokmak 2	3.19 270	P	Pn	07 31 02.6 +2.6
TKMG	baz=71		S	Sb	07 31 41.6 -3.9
KZA	Kyzart	3.59 256	P	Pn	07 31 08.1 +2.4
KZA	baz=57		S	Sn	07 31 51.3 +2.3
MAKZ	Makanzi	4.05 20	P	Pg	07 31 09.7 -2.0
MAKZ	0.5nm,0.6s		S	Sn	07 31 60.0 +0.1
MAKZ	0.3nm,0.3s		Lg	Lg	07 32 26.8
MK31	Makanchi Array	4.13 23	Pg	Pn	07 31 13.1 +0.4
MK31	0.1nm,0.4s, baz=202, slow=14, SNR=10		S	Sg	07 32 02.8 +1.1
MK31	0.3nm,0.4s, baz=345, slow=48, SNR=4.2		Lg	Lg	07 32 27.5
MK31	0.4nm,0.5s, baz=207, slow=28, SNR=5.1				

ATKA	Korovin Flat P	5.72 81	S	Sn	07 43 25.5 +1.0
KOPF	Bering	7.31 303	eP	Pn	07 42 22.8 +1.2
BKI	Bering	7.31 303	eP	Pn	07 42 44.2 +0.9
BKI			eS	Pn	07 42 40.4 -1.7
BKI			eS	Pn	07 44 04.3 +0.9
NKH	Nikolski High	8.94 76	P	Pn	07 43 17.6 +1.8
SPIA	Saint Paul Isl	9.38 49	P	Pn	07 43 11.2 -0.5
MKZ	Mys Kozlova	9.45 294	eP	Pn	07 43 13.4 +0.8
MKZ	Mys Kozlova	9.45 294	eP	Pn	07 43 13.4 +0.8
OKTU	Omkom Mt. Tuli	9.46 74	P	Pn	07 43 14.5 +1.6
ZLN	Zelenaya	10.34 301	eP	Pn	07 43 26.4 +1.5
ZLN			eP	Pn	07 43 07.6 +1.8
KZV	Kizimen	10.38 296	eP	Pn	07 43 27.0 +1.5
KZV	Kizimen	10.38 296	eP	Pn	07 43 27.0 +1.5
UNV	Unalaska Valle	10.41 71	ePn	Pn	07 43 27.1 +1.2
TUMR	Tumrok	10.50 297	eP	Pn	07 43 30.1 +3.0
TUMR			eP	Pn	07 43 30.1 +3.0
KMINR	Kamenistaya	10.56 289	eP	Pn	07 43 30.1 +2.0
KMINR	Kamenistaya	10.56 289	eP	Pn	07 43 30.1 +2.0
AKUT	Akutan	10.76 70	ePn	Pn	07 43 30.4 -1.7
SDLR	Sedlovina	10.98 285	eP	Pn	07 43 35.3 +1.5
SDLR	Sedlovina	10.98 285	eP	Pn	07 43 35.3 +1.5
UGLR	Uglovaya	11.02 285	eP	Pn	07 43 36.1 +1.8
UGLR	Uglovaya	11.02 285	eP	Pn	07 43 36.1 +1.8
KRER	Koryakskii	11.06 285	eP	Pn	07 43 37.0 +2.0
KRER	Koryakskii	11.06 285	eP	Pn	07 43 37.0 +2.0
AVH	Avacha	11.07 285	eP	Pn	07 43 37.3 +2.4
AVH	Avacha	11.07 285	eP	Pn	07 43 37.3 +2.4
RUS	Russkaya	11.22 281	eP	Pn	07 43 37.2 +0.2
RUS	Russkaya	11.22 281	eP	Pn	07 43 37.2 +0.2
KDTR	Khodutka, Kamc	11.55 278	eP	Pn	07 43 41.7 +0.3
KDTR	Khodutka, Kamc	11.55 278	eP	Pn	07 43 41.7 +0.3
GNL	Ganali	11.56 287	eP	Pn	07 43 44.2 +2.5
GNL	Ganali	11.56 287	eP	Pn	07 43 44.2 +2.5
ASAK	Asacha	11.60 281	eP	Pn	07 43 43.7 +1.5
ASAK	Asacha	11.60 281	eP	Pn	07 43 43.7 +1.5
PETK	Petropavlovsk-	11.69 284	Pn	Pn	07 43 45.1 +1.7
PETK	0.3nm,0.3s, baz=96, slow=19, SNR=6.9		Sn	Sn	07 45 49.6 -3.2
PETK	0.5nm,0.3s, baz=70, slow=42, SNR=6.5		LR	LR	07 48 05.7
FALS	False Pass	12.31 67	ePn	Pn	07 43 52.0 +0.2
SDPT	Saint Point	14.04 66	ePn	Pn	07 44 15.6 +0.1
CHGN	Chignik	15.31 63	ePn	Pn	07 44 32.5 0.0
CHGN	36nm,1.2s		eS	S	07 47 51.0 +1.5
OHAK	Old Harbor	18.21 61	eS	Pn	07 45 07.2 -1.8
KDAD	Kodiak Island	18.64 59	Pn	Pn	07 45 11.9 -1.8
KDAD	1.2nm,0.3s, baz=281, slow=5.2, SNR=14		eP	Pn	07 45 18.2 +0.1
RSO	Redoubt South	19.01 51	eP	Pn	07 45 21.4 +0.9
RSO	Red Dog Mine	19.17 24	eP	Pn	07 45 22.1 +0.1
HOM	Homer	19.39 53	eP	Pn	07 45 22.1 +0.1
HOM	125nm,1.1s		eP	Pn	07 45 24.4 -0.4
SPU	Mount Spurr	19.53 49	eP	Pn	07 45 25.8 -0.0
BRLL	Bradley Lake	19.79 53	eP	Pn	07 45 29.8 -0.6
PPLA	Purkeypile	19.98 44	eP	Pn	07 45 29.6 -0.6
SKT	Skwentna	19.98 47	eP	Pn	07 45 29.6 -0.7
SKT	65nm,1.0s		eP	Pn	07 45 31.5 +0.7
CAST	Castle Rocks	20.21 42	eP	Pn	07 45 31.6 +0.6
CAST	6.6nm,0.6s		eP	Pn	07 45 34.8 -0.3
SUA	Susitna One	20.21 48	eP	Pn	07 45 36.6 +1.0
SUA	13nm,0.7s		eP	Pn	07 45 37.9 +1.2
RO1	Rabbit Creek A	20.60 50	eP	Pn	07 45 39.1 +0.7
RO1	21nm,1.0s		eP	Pn	07 45 40.5 +1.1
IM3	Indian Mountai	20.66 35	eP	Pn	07 45 40.4 +1.1
KTH	Kantishna Hill	20.74 43	eP	Pn	07 45 40.4 +1.1
BPAW	Bear Paw Mtn.	20.91 41	eP	Pn	07 45 40.4 +1.1
BPAW	5.2nm,0.8s		eP	Pn	07 45 40.4 +1.1
TRF	Thorofare Moun	20.98 43	eP	Pn	07 45 40.4 +1.1
TRF	6.9nm,1.0s		eP	Pn	07 45 40.4 +1.1
PMR	Palmer	20.99 49	eP	Pn	07 45 40.4 +1.1
PMR	5.9nm,0.9s		eP	Pn	07 45 40.4 +1.1
PMR	Palmer	20.99 49	eP	Pn	07 45 40.4 +1.1
PMR	comp=2.6,0nm,0.9s		pmx	pmx	
GHO	Glory Hole C	21.13 48	eP	Pn	07 45 40.3 -0.5
GHO	comp=2.9,9nm,0.9s		eP	Pn	07 45 43.0 0.0
MLY	Manley	21.36 39	eP	Pn	07 45 44.2 +0.3
MLY	comp=2.5,6nm,0.8s		eP	Pn	07 45 44.2 +0.3
SML	Sawmill	21.41 48	eP	Pn	07 45 44.2 +0.3
SML	comp=2.32nm,1.0s		eP	Pn	07 45 44.2 +0.3
SML	Sawmill	21.41 48	eP	Pn	07 45 44.2 +0.3
SML	comp=2.33nm,1.0s		pmx	pmx	
BWN	Browne	21.56 42	eP	Pn	07 45 47.9 +2.5
BWN	comp=2.12nm,0.9s		eP	Pn	07 45 47.1 +1.4
RND	Reindeer	21.58 44	eP	Pn	07 45 47.1 +1.4
RND	comp=2.5,5nm,0.9s		eP	Pn	07 45 47.1 +1.4
RND	Reindeer	21.58 44	eP	Pn	07 45 47.1 +1.4
RND			pmx	pmx	
SCM	Sheep Creek Mo	21.88 48	eP	Pn	07 45 49.0 +0.1
SCM	comp=2.29nm,0.5s		eP	Pn	07 45 49.0 +0.1
SCM	Sheep Creek Mo	21.88 48	eP	Pn	07 45 49.0 +0.1
SCM	comp=2.29nm,0.5s		pmx	pmx	
DHY	Denali Highway	22.13 45	eP	Pn	07 45 51.8 0.0
DHY	comp=2.14nm,1.3s		eP	Pn	07 45 53.0 +0.5
WRH	Wood River Hill	22.22 41	eP	Pn	07 45 54.8 +0.8
WRH	comp=2.5,0nm,0.8s		eP	Pn	07 45 54.0 -0.3
MDM	Murphy Dome	22.32 40	eP	Pn	07 45 54.0 -0.3
MDM	comp=2.6,9nm,0.8s		eP	Pn	07 45 54.0 -0.3
CCB	Clear Creek Bu	22.39 41	eP	Pn	07 45 54.0 -0.3
CCB	comp=2.2,7nm,0.5s		eP	Pn	07 45 55.8 +0.9
EYAK	Cordova Ski Ar	22.44 52	eP	Pn	07 45 55.8 +0.9
EYAK	comp=2.10nm,1.0s		eP	Pn	07 45 55.8 +0.9
COLA	College	22.45 40	eP	Pn	07 45 55.8 +0.9
COLA	comp=2.6,9nm,0.4s		pmx	pmx	
COLA	College	22.45 40	eP	Pn	07 45 55.8 +0.9
COLA			pmx	pmx	
KLU	Kluta	22.48 50	eP	Pn	07 45 55.3 -0.1
KLU	comp=2.7,0nm,0.4s		eP	Pn	07 45 56.0 +0.6
COLD	Coldfoot	22.50 34	eP	Pn	07 45 55.5 -0.1
COLD	comp=2.2,0nm,0.8s		eP	Pn	07 45 58.2 -0.5
DIV	Divide	22.50 41	eP	Pn	07 45 58.2 -0.5
DIV	comp=2.14nm,0.9s		eP	Pn	07 45 58.2 -0.5
IL1	Eielson Array	22.81 41	eP	Pn	07 45 58.6 -0.1
ILAR	Eielson Array	22.81 41	eP	Pn	07 46 00.8 +0.5
ILAR	comp=2.1,7nm,0.7s, baz=245, slow=9.0, SNR=20		eP	Pn	07 45 58.6 -0.1
ILB	Dot Lake	22.95 53	eP	Pn	07 46 00.8 +0.5
RAGM	Ragged Mountain	22.95 53	eP	Pn	07 45 59.9 -0.5
RAGM	comp=2.33nm,1.1s		eP	Pn	07 45 59.9 -0.5
PAX	Paxson	22.96 46	eP	Pn	07 45 59.9 -0.5
PAX	comp=2.6,9nm,0.7s		pmx	pmx	
PAX	Paxson	22.96 46	eP	Pn	07 46 00.3 -0.9
PAX	comp=2.7,0nm,0.7s		pmx	pmx	
HARP	HAARP	22.99 47	eP	Pn	07 46 00.3 -0.9
HARP	comp=2.5nm,0.9s		eP	Pn	07 46 04.0 -0.7
BRMR	Bremner River	23.05 51	eP	Pn	07 46 04.0 -0.7
BRMR	comp=2.14nm,0.9s		eP	Pn	07 46 07.2 -0.6
IDM	Independence R	23.40 44	eP	Pn	07 46 07.2 -0.6
IDM	comp=2.8,5nm,1.1s		eP	Pn	07 46 07.1 -1.2
DOT	Dot Lake	23.72 45	eP	Pn	07 46 08.2 -0.7
DOT	comp=2.7,7nm,0.6s		eP	Pn	07 46 08.2 -0.7
CRQM	Cirque	23.74 52	eP	Pn	07 46 08.2 -0.7
CRQM	comp=2.32nm,1.2s		e		



Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like SABA, ICMP, EMPR, OBIP, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like DBIC, DLBC, TORD, INK, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like GRPR, YUK, LAGR, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, Direction, Azimuth, Elevation, and other parameters. Includes entries for MA2, HIA, BJI, BJT, SEY, NJ2, YAK, HHC, NACB, H1N2, H1N1, H1N3, SONA, SONM, BILL, XAN, TLY, ZAK, ENH, TIXI, TIXI, MOY, LZH, GYA, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, Direction, Azimuth, Elevation, and other parameters. Includes entries for GYA, KMI, DGZ, ZAAO, ZALV, IM3, WMQ, RSO, KDAK, PPLA, CAST, SPU, NVS, BPWA, TRF, COLD, RC01, BWN, PMR, MCK, RND, GHO, MDM, SML, WRH, COLA, COLA, CCB, SCM, ILI, ILAR, ILAR, ILB, MK31, MK31, MK31, MKAR, MKAR, MK01, MAKZ, MAKZ, CHTO, CHTO, FYU, KLU, DIV, CMAR, CMAR, CMAR, RIDG, DOT, SCRK, BMRM, RAGM, KURK, KURK, KURK, KURB, CRQM, TGL, EGAK, INK, INK, INK, INK, JIRI, GUN, PMG, PMG.

Table with columns: Call Sign, Name, Frequency, Power, Mode, Direction, Azimuth, Elevation, and other parameters. Includes entries for BVAO, BVAR, BRVK, BRVK, BRVK, KKN, PKI, PKIN, DMN, WHY, GKN, DANN, AAK, AAK, AAK, AAK, KOLN, KOLD, KSH, KSH, KSH, KSH, KSH, KSH, KSH, PYUN, MNAS, MNAS, DLBC, DLBC, KK31, KK31, KK31, KKAR, KKAR, SVE, SVE, BATI, ARU, ARU, ARU, ARU, ARU, NIL, NIL, SPITS, AB31, AB31, AB31, ABKAR, RES, RES, RES, RES, AKTO, KBL, KBL, KBL, YKW3, YKA, PRGR, PRGR, ARCES, WRAB, WRAB, WRAB, W2, WRA, WRA, WRA, FITZ, KLMR, KLMR, KLMR, KLMR, DAG, DAG, GEYT, GYA0B, AS01, AS31, ASAR, PINE, YBH, K05A, FIAI, FINE, FINE, FINE, FINE, OBN, OBN, OBN, OBN, SUMG, SUMG, SUMG.

27d 8h

Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like SUMG Summit, MOD Modoc Plateau, J08A Circle Bar Ranch, etc.

2012 MAY

Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like SORM Soroca, BUR08 Bucovina Ar, TESR Teslani, etc.

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Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like MOA Mollin, ASF Jabal al Asfar, VTS Vitosh, etc.

ISCJB 27 08:12:33.8... 0.7, 31.39N, 0.04:138E... 1.0:1, h392km, mb3 0/4, Error ellipse: s-maj=11.9km s-min=5.8km az=171.2

Table with columns: Code, Station Name, Station ID, Phase ID, Time, Res, h, m, s, ISC, Pn. Includes stations like JHJ Hachioji jima 2, BS03 Boso 3, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like JFK, JMK, MKAR, KURBB, BVAR, FINES, etc.

IDC 27 08:21:23.4:3.3, 5.93S:151.95E, h0km, mb2.9/2, mb1 3.4/3, mb1mx3.2/4.9, mbmtpp3.2/3, ML1.3/1, Error ellipse: s-maj=140.3km s-min=44.1km az=125.0, New Britain region

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

IDC 27 08:23:25.8:0.9, 8.89S:158.05E, h0km, mb4.0/7, mb1 4.2/10, mb1mx3.9/5.0, mbtpp4.1/10, ML3.7/3, MS3.2/1, Ms1 3.2/1, ms1mx2.5/4.3, Error ellipse: s-maj=25.8km s-min=17.1km az=167.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like HNR, DZM, CTM, JAY, WRA, ASAR, STKA, H1S3, H1S2, H1S1, H1N1, H1N3, H1N2, FITZ, ILAR, MKAR, NVAR, etc.

ISCJB 27 08:55:41.0:0.5, 67.08N:02:20:93E:0.09, h0km, Error ellipse: s-maj=5.2km s-min=3.6km az=177.0

CSEM 27 08:55:42.6:0.3, 67.16N:21.00E, h2km, ML1.8, Error ellipse: s-maj=7.4km s-min=3.9km az=79.0, Mining explosion.

HEL 27 08:55:42.6:0.3, 67.15N:20.70E, h0km, ML1.8, Explosion NAO 27 08:55:43.4:1.0, 67.19N:20.93E, ML2.0

IDC 27 08:55:43.4:1.0, 67.15N:20.90E, h0km, mb1 2.7/4, mb1mx2.7/6.2, mbtpp2.7/4, ML2.3/4, Error ellipse: s-maj=15.1km s-min=8.3km az=110.0

BER 27 08:55:45.6:3.3, 67.17N:20.73E, h0km, ML2.1, ML2.0(NAO), Suspected explosion

ISC 27 08:55:42.7:0.6, 67.16N:02:20:86E:0.04, h0km, n38, n0594/60, Sweden

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ERTU, LANU, HEF, KIF, TOF, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ARCES, OUF, VRF, HEMU, FIAO, etc.

IDC 27 09:07:13.9:3.2, 25.14N:122.97E, h224km, 22km, mb3.3/11, mb1 3.3/14, mb1mx3.7/6.5, mbtpp3.7/14, Error ellipse: s-maj=46.8km s-min=18.7km az=178.0

JMA 27 09:07:17.3:0.4, 25.15N:102.122E:0.08, h250km, 10km, mb3.5/10, Error ellipse: s-maj=23.3km s-min=7.3km az=155.5

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

ISC 27 09:17:19.0:7.0, 25.75N:102.122E:0.09, h236km, 14km, n31, n149/48, mb3.6/10, Taiwan region

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

NEIC 27 09:15:39.2:0.0, 17.10N:95.08W, h120km, MD4.0(MEX), After MEX.

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

IDC 27 09:21:51.3:1.1, 2.83S:100.19E, h0km, mb4.2/15, mb1 4.3/16, mb1mx4.9/7.2, mbtpp4.2/16, ML4.3/1, MS3.4/2, Ms1 3.5/2, ms1mx2.8/5.9, Error ellipse: s-maj=34.0km s-min=14.6km az=67.0

DJA 27 09:21:54.0:0.8, 3.5S:101.0E, h24km, 5km, M4.5/13, mb5.0/1, mb4.5/2, MLV4.4/13, Mw(mb)4.3/1

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

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

ISCJB 27 09:27:09.2:0.2, 40.70S:0.04:155.92E:0.04, h10km, s-min=4.4km az=20.5

IDC 27 09:27:09.2:0.5, 40.68S:155.96E, h0km, mb4.4/13, mb1 4.5/15, mb1mx4.4/11, mbtpp4.4/15, ML4.2/2, MS3.7/13, Ms1 3.7/13, ms1mx3.5/7.1, Error ellipse: s-maj=23.9km s-min=14.3km az=67.0

MOS 27 09:27:10.4:1.3, 40.67S:155.74E, h10km, mb4.6/4, Error ellipse: s-maj=24.5km s-min=10.4km az=112.5

NEIC 27 09:27:12.0:1.6, 40.68S:155.91E, h15km, 10km, mb4.7/16, Error ellipse: s-maj=7.8km s-min=4.1km az=216.0

BUI 27 09:27:12.6:0.6, 40.20S:155.87E, h10km, mb5.0/10, mb5.1/5, Ms4.8/1, Ms7.4/7

ISC 27 09:27:11.0:0.3, 40.63S:0.05:156.17E:0.05, h10km, n216, n1867/21, mb4.6/27, MS3.7/11, 22C-9D, Southeast of

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

ISCJB 27 09:27:09.2:0.2, 40.70S:0.04:155.92E:0.04, h10km, s-min=4.4km az=20.5

IDC 27 09:27:09.2:0.5, 40.68S:155.96E, h0km, mb4.4/13, mb1 4.5/15, mb1mx4.4/11, mbtpp4.4/15, ML4.2/2, MS3.7/13, Ms1 3.7/13, ms1mx3.5/7.1, Error ellipse: s-maj=23.9km s-min=14.3km az=67.0

MOS 27 09:27:10.4:1.3, 40.67S:155.74E, h10km, mb4.6/4, Error ellipse: s-maj=24.5km s-min=10.4km az=112.5

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

Table with columns: ICAO, Name, Frequency, Mode, Class, and other details. Includes stations like CAN Riverview, DCZ Deep Cove, LHZ Lord Howe Isla, etc.

Table with columns: ICAO, Name, Frequency, Mode, Class, and other details. Includes stations like NJ2 Nanjing, KSR Karar, KSR Korea Arry, etc.

Table with columns: ICAO, Name, Frequency, Mode, Class, and other details. Includes stations like DPC NORSAR Array, UPC Upsilon, PVCC Panska Ves, etc.

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

CSEM 27 10:00:24.3, 39°58N-33°16E, h2km, ML2.5

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

NIED 27 10:09:00, 38°50N-142°30E, h20km, Mw3.9

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

Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MAJO, MAT, MJB9, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like H1S3, H1S2, ZAA1, etc.

ISC 27 10:10:26.7, 0.3, 37.8S; 75.48W, h0km, mb4.1/1.7

ISC 27 10:10:28.7, 0.3, 41.1S; 0.03; 75.48W; 0.05, h25km

NEIC 27 10:10:32.6, 0.6, 10.44S; 75.45W, h1km, 6km, mb4.6/4.1

NEIC Felt (III) at Oxapampa and (II) at Pozuzo

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

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

NNC 27 10:10:39.6, 2.2, 38.79N; 70.25E, h0km, mb3.5, mpv3.1

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







ellipse: s-maj=7.6km s-min=3.8km az=27.0
NIC 27 11:19:57.20.0.1.35140N-01.63E,h25km,ML3.9
ISC 27 11:19:50.3.1.1.3559N-03.3135E,m103k,h32km,10km,
n104,c1963/133,m3.3/5,Cyprus region

couple: M=1.60000x1019 NP1=174.00000°,862.00000°,
1.7.00000°. NP2=81.00000°,884.00000°,1.152.00000°.
BUJ 27 11:20:04.0.24.26N:123.39E,h100km,mb4.6/2,mb5.1/35,
Ms4.7/51,Ms7.4/4/7

MAT Matsu-Tunnel 17.48 44 S S 11 27 38.0 +4.2
MJB9 comp=2.19nm,1.5s ePn P 11 24 15.3 +2.7
MJAR Matsushiro Arr 17.48 44 P P 11 24 13.2 +0.5
comp=2.0,2nm,0.3s,baz=226,slow=9.0,SNR=9.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like AKMC, AKMZ, GAZI, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like DAVO, KMI, HHC, etc.

Table with columns for station name, frequency, and signal strength. Includes stations like WMQ, YAK, PETK, MK01, etc.

Table with columns for station name, frequency, and signal strength. Includes stations like AS01, BILL, ABKAR, ARU, EIDS, etc.

Table with columns for station name, frequency, and signal strength. Includes stations like B08A, SF0J, C09A, D08A, HAWA, HUMO, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SMRT, SABA, SKI, ANWB, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like IDC, JCY, JCH, MJAR, etc.

NIED 27 11:38:00, 27:40N, 129:30E, h17km, Mw4.1 Best double couple: Mb1, 7800x1015, NP1 to S3, 00000; 817, 00000...

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

Table with columns: EKA, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ESKDALEMIUR AR, AMBODHATORA, SCHEFFERVILLE, SOUTH POLE QUI, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DALY, DALYAN (MU'LA), DALYAN (MULU), MARMARIS-MUGLA, etc.

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like GLVR, NEM2, JRM, etc.

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like BILL, JOW, H1N2, etc.

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like KSH, PMG, KKN, etc.



Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like CRVS Cervenia-Dubn, TLOR, TRPA, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like DJR, MK31, MK31, MAK2, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MPU Maple Canyon, P17A Butcher Ranch, etc.

NNC 27 12:42:08.1+4.2, 43.53N, 83.92E, h0km, mb2.8, mpv2.5, Error ellipse: s-maj=39.4km s-min=18.7km az=129.0

ISCJB 27 13:05:46.0+0.5, 34.95N, 0.02-116.72W, 0.02, h9km, 4km, Error ellipse: s-maj=2.7km s-min=2.5km az=12.7

ISC 27 13:11:25.0+0.7, 34.86N, 0.04-24.24E, 0.02, h29km, 5km, n142, e199/173, mb3.5/10, Crete

Table with columns: Code, Station Name, Az, El, P, S, Time Res, h, m, s, ISC. Includes stations like PTL Penteli, DION Dionisos Attik, LTK Loutraki, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time Res, h, m, s, ISC. Includes stations like LFRS El Faro, TGUH Tegucigalpa, MYIG Morigida, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time Res, h, m, s, ISC. Includes stations like Y47A UCPARC, X39A Fountain Ranch, MIAR Mount Ida, etc.

MOS 27 13:41:56.9, 1.2, 14.34N, 93.33W, h33km, mb5.0/45, Error ellipse: s-maj=11.4km s-min=5.1km az=109.4

ISCJB 27 13:41:58.1, 0.6, 14.31N, 93.93W, h12km, mb4.8/190, MS4, 4/45, Error ellipse: s-maj=5.1km s-min=2.9km az=42.1

IDC 27 13:41:58.7, 3.5, 14.31N, 93.34W, h33km, mb4.3/28, mb1.4/5/32, mb1mx4/4/48, mbtmp4.5/32, MLA, 1/4, MS4, 3/39, MS1.4/3/39, ms1mx4/3/49, Error ellipse: s-maj=21.4km s-min=9.7km az=51.0

MEX 27 13:41:59.4, 0.7, 14.27N, 93.45W, h16km, 99km, MD4.7, GGMT 27 13:41:59.8, 0.3, 14.27N, 93.79W, h12km, MW5.0/73, Moment Tensor Solution: s23, c26, s73, c106, Duration: 1s0

1s0 Moment tensor: Scale 10^19Nm; Mrr, 3.9e13; Mxx, -3.3e11; Myy, -0.57e12; Mzz, 5.94e12; Mxy, 1.37e10; Mxz, -4.51e38; Best double couple: Mb, 8.43700e10^16

NP1=125.00000°, 676.00000°, 196.00000°. Principal axes: T 8.5510, P158.00000°, 815.00000°, 166.00000°. N -0.2250, P166.00000°, Azm304.00000°, P -8.3230, Plg31.00000°, Azm210.00000°; nsta1 refers to body waves, cutoff=40s.

nsta2 refers to surface waves, cutoff=50s. NEIC 27 13:41:59.8, 0.5, 14.33N, 93.30W, h49km, 3km, mb4.9/192, MD4.7(MEX) Error ellipse: s-maj=5.0km s-min=2.4km az=217.0

BJJ 27 13:42:02.0, 14.30N, 93.30W, h40km, mb5.1/3, Ms5.0/4, Ms7.4/9/4

ISC 27 13:41:59.2, 0.5, 14.32N, 93.05W, h39km, 3km, h40km, pp-P, n608, c1925/593, mb4.9/195, MS4.5/46, C6, Near coast of Chiapas

Table with columns: Code, Station Name, Az, El, P, S, Time Res, h, m, s, ISC. Includes stations like PCIG Comitan, TGIG Ixpapa, APG El Apazote, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time Res, h, m, s, ISC. Includes stations like ZARC Zaragoza, Y47A Eaglete Beard, Y41A Lakeview Rete, etc.

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

27d 13h

Table with columns: Station ID, Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like Kings Mountain, S42A Caledonia, T48A Bowling Green, etc.

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Table with columns: Station ID, Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like M40A Post Highland, GLA Glamis, M41A Milan, etc.

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Table with columns: Station ID, Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like G40A Rib Lake, TCUT Toone Canyon, R11A Troy Canyon, etc.



27d 15h

Table with columns: SIV, CPUP, TORD, ZALV, MKAR. Includes station names like San Ignacio, Villa Florida, Torodi Ar. Beas, Zalesovo Beam, Makanchi Array and various parameters.

GUC 27 14:07:50.1±0.7, 27.52S-71.00W, h58km, 8km, ML3.9, 1D,

Table with columns: Code, Station Name, Phase ID, Time, Res. Lists stations like G003 Copiap, LCO Las Campanas, TLL Tololo Astrono, G004 Tololo Observa, G002 Mina Guanaco.

ISCJB 27 14:20:21.9±0.5, 0.25N-109.122E, h375km, mb3.5/13, Error ellipse: s-maj=33.2km s-min=9.0km

IDC 27 14:20:23.5±2.0, 0.21N-122.14E, h375km±23km, mb3.3/13, Error ellipse: s-maj=30.6km s-min=9.0km az=74.0

ISC 27 14:20:23.0±0.7, 0.20N-112.1E, h375km, n15, az=54/17, mb3.5/13, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Phase ID, Time, Res. Lists stations like BATI Baumata, FITZ Fitzroy Crossi, WRA Warrunganga Arr, ASAR Alice Springs, ASAR Zalesovo Beam, STKA Stephens Creek, KSRS Korea Array, MJAR Matsushiro Arr, USRS Ussuriysk Arr, SONM Songino Arr, MKAR Makanchi Array, ZALV Zalesovo Beam, KURBB Kurchatov Arr, BVAR Borovoye Arr, TIXI Tiksi, VNDV Vanda.

IDC 27 14:23:14.6±0.7, 28.63N-142.50E, h0km, mb3.8/12, ms1.3/1.3, ms1mx2.6/66, Error ellipse: s-maj=24.1km s-min=13.5km az=85.0

ISCJB 27 14:23:16.3±0.5, 28.70N-142.5E, h25km, mb4.0/17, Error ellipse: s-maj=15.5km s-min=5.0km az=177.1

NEIC 27 14:23:19.3±1.1, 28.66N-142.56E, h37km±9km, mb4.8/4, Error ellipse: s-maj=6.8km s-min=7.6km az=81.0

ISC 27 14:23:19.0±0.7, 28.67N-142.5E, h25km, n42, az=150/39, mb4.0/17, Bonin Islands region

Table with columns: Code, Station Name, Phase ID, Time, Res. Lists stations like CBJI Chichi jima, CJC Chichijima, JCH 9.1chimo, JHU Hachijo jima, MJAR Matsushiro Arr, MAJO Matushiro, MJBS Matsu-Tunnel, JNU Nakatsue, JOW Kunigami, KSRS Korea Array, KSAR Wonju Array, KLR Kul'dur, H1N2 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, CMAR Chiang Mai Arr, ZAA1 Zalesovo Arr, ZALV Zalesovo Beam, ZALV Zalesovo Beam, WR1 Warrunganga Arr, WRA Warrunganga Arr, MK01 Makanchi Array, MK31 Makanchi Array, MK32 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKUR Kurchatov, KURBB Kurchatov Arr, AS31 Alice Springs, ASAR Alice Springs, BVAR Borovoye Arr, INK Inuvik, INK Abkutbay Arr, AKTO Aktyubinsk, FIAO FINESS Array, FINESS Array, NVAR Mina Arr Beas, NV01 Mina Array Sit.

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Table with columns: AKASG, BR101, BRTR, TXAR. Lists stations like Malin Array Be, Keskin Array B, Keskin Array B, Lajitas Array.

ISCJB 27 14:32:17.8±0.2, 7.58S-103.128E, h151km, mb4.1/19, Error ellipse: s-maj=5.6km s-min=4.3km az=172.4

DJA 27 14:32:17.2±1.4, 8.56S-120.9E, h100km, ML4/6/9, mb4.8/6, mb4.9/4, MLv4.6/8, Mw(MB)4.2/km

NEIC 27 14:32:19.0±0.7, 7.60S-128.24E, h159km±8km, mb4.5/13, Error ellipse: s-maj=8.4km s-min=6.8km az=56.0

IDC 27 14:32:20.8±1.5, 7.47S-128.10E, h154km±13km, mb3.9/15, mb1.4/0.19, mb1mx3.8/53, mbtmp4.4/19, Error ellipse: s-maj=13.6km s-min=11.1km az=116.0

ISC 27 14:32:19.3±0.4, 7.66S-105.128E, h151km, n80, az=174/83, mb4.1/19, Banda Sea

Table with columns: Code, Station Name, Phase ID, Time, Res. Lists stations like SAUI Saumlaki, AAI Ambon, MSOI Masohi, SOEI Soehi, SOEI Soe, NLAI Namlea, BATI Baumata, BATI Baumata, MTN Mantom Dam, SAMI Sami, FAKI Fak Fak, LBMI Labuha, SJIJ Sorong, SJIJ Sorong, RKPI Ransiki, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, WR1 Warrunganga Arr, WR1 Warrunganga Arr, WRA Warrunganga Arr, WRA Warrunganga Arr, WJG Wajag, WBI Bajaj, MBWA Maribor, COEN Coen, AS31 Alice Springs, ASAR Alice Springs, AS01 Alice Springs, UGM Wanagama, PMG Port Moresby, SBIU Sibit, KSM Kuching, STKA Stephens Creek, STKA Stephens Creek, PSI Prapat, PSI Prapat, CM01 Chiang Mai Arr, CM02 Chiang Mai Arr, KSAR Wonju Array Be, KSRS Korea Array, MAJO Matushiro, MJAR Matsushiro Arr, USRS Ussuriysk Arr, JIRN Jiri, GUN Gumba, PKI Pulchoki, PKIN Pulchoki, KKN Kakan, DMN Daman, GKN Gorkha, KOLN Koldanda, DANN Danggung, PYUN Piuthan, SONA Songino Arr, SONM Songino Arr, SON1 Songino Arr, PETK Petropavlovsk, PEA1 Petrovlovsk, MK01 Makanchi Array, MK31 Makanchi Array, MK32 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, KDJ Kajiasy, MADJ Matanchi, ZAA0 Zalesovo Arr, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZAA1 Zalesovo Arr, KURBB Kurchatov Arr, KURK Kurchatov, SEY Seymchan, BVAR Borovoye Arr, TIXI Tiksi, ABKAR Abkutbay Arr, AKTO Aktyubinsk, ILAR Eielson Array, ILB Eielson Array, YKA Yellowknife Arr, TXAR Lajitas Arr, TORD Torodi Arr, TOA1 Torodi Arr, CPUP Villa Florida.

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Table with columns: LPAZ, LA Paz. Lists station La Paz with parameters.

ISCJB 27 14:45:02.7±1.4, 17.8S-105.178E, h600km, mb3.6/8, Error ellipse: s-maj=80.7km s-min=16.0km az=152.0

IDC 27 14:45:08.2±3.0, 18.03S-178.29W, h658km±34km, mb3.0/8, mb3.2/8, mb1mx2.9/47, mbtmp4.0/8, Error ellipse: s-maj=16.8km s-min=16.0km az=154.0

ISC 27 14:45:03.8±1.4, 17.6S-105.178E, h400km, n11, az=182/14, mb3.7/8, Fiji Islands region

Table with columns: Code, Station Name, Phase ID, Time, Res. Lists stations like CTA Charters Tower, STKA Stephens Creek, WRA Warrunganga Arr, WRA Alice Springs, ASAR Mutankchi Arr, ASAR Mutankchi Arr, ILAR Eielson Array, TXAR Lajitas Arr, PDAR Pinedale Arr, BRTR Keskin Array B, GEMAI Mutankchi Arr, GEMAI GERRSS Array B.

IDC 27 14:45:57.3±1.4, 25.35S-170.16E, h0km, mb3.7/6, mb1.3/9/19, mb1mx3.6/73, mbtmp3.7/6, MS3.6/1, Ms1.3/8/1, ms1mx2.7/58, Error ellipse: s-maj=45.0km s-min=27.4km az=63.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Phase ID, Time, Res. Lists stations like CMAR Chiang Mai Arr, CMAR Mutankchi Arr, ASAR Alice Springs, WRA Warrunganga Arr, VNDV Vanda, MKAR Makanchi Array, BRTR Keskin Array B.

IDC 27 15:01:22.0±0.8, 26.49N-91.09E, h0km, mb3.8/18, mb1.3/9/19, mb1mx3.7/73, mbtmp3.8/19, ML3.9/1, Error ellipse: s-maj=30.2km s-min=14.5km az=46.0

ISCJB 27 15:01:27.5±2.3, 26.68N-91.47E, h25km, n4km, mb3.9/23, Error ellipse: s-maj=6.1km s-min=2.9km az=12.8

BUI 27 15:01:27.5±2.6, 68N-91.76E, h52km, mb4.1/5, MB4.4/1, ML4.1/2

NEIC 27 15:01:27.0±2.7, 26.49N-91.10E, h35km±20km, mb4.3/9, Error ellipse: s-maj=15.3km s-min=6.6km az=51.0

NEIC Feti [IV] at Guwanai. Also felt at Nalbari.

IDC 27 15:01:28.2±0.8, 26.63N-91.47E, h25km, n4km, mb3.9/23, Error ellipse: s-maj=6.1km s-min=2.9km az=12.8

ISC 27 15:01:28.2±0.8, 26.63N-91.47E, h25km, n4km, n76, az=209/99, mb3.9/23, Northeastern India

Table with columns: Code, Station Name, Phase ID, Time, Res. Lists stations like GUWA GUWAHATI, GUWA GUWA, SHL Shilling, SHL Shilling, SHL Shilling, SHL Shilling, ITAN ITANAGAR, ZIRO ZIRO, ZIRO ZIRO, KOHI KOHIMA, KOHI KOHIMA, KOHI KOHIMA, GTK Tadong, GTK Tadong, MOKO MOKOCHONG, MOKO MOKO, MOKO MOKO, AGT Agartala, AGT Agartala, AGT Agartala, IMP Imphal, IMP Imphal, IMP Imphal, LSA LSA, LSA LSA, BELO BELONIA, BELO BELONIA, LKPO Lekhapani, LKPO Lekhapani, LKPO Lekhapani, SAIH SAHA, SAIH SAHA, SAIH SAHA, JIRN Jiri, JIRN Jiri.







Table with columns: Code, Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like GNI, SVE, JORH, ARU, etc.

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like KLR, KONO, TIXI, SP10, etc.

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like RAGZ, LIRZ, RIGZ, etc.

NEIC 27 16:27:59.3, 0.8, 31.153S, 178.59W, h39km, 6km, mb4.4/6, Error ellipse: s-maj=12.0km s-min=8.8km az=93.3

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like AGUAY, MILO, AMIL, etc.



Table listing astronomical observations for station 1745, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and various parameters like Az, Op, ISC, h, m, s, ISC.

SCB 27 17:01:21.70,0.21.87S:67.16W,h167km,M3.7/1, Error ellipse: s-maj=24.5km s-min=6.9km az=29.0

Table listing astronomical observations for station 1746, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and various parameters like Az, Op, ISC, h, m, s, ISC.

ISCJB 27 17:12:29.7,0.3,301.45S:0.05:178.01W:0.07,h33km, mb4.7/27,MS3.9/24, Error ellipse: s-maj=9.6km

Table listing astronomical observations for station 1747, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and various parameters like Az, Op, ISC, h, m, s, ISC.

NEIC 27 17:12:30.9,0.3,301.33S:177.93W,h35km,mb4.5/6, Error ellipse: s-maj=11.6km s-min=7.0km az=120.0

Table listing astronomical observations for station 1748, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and various parameters like Az, Op, ISC, h, m, s, ISC.

Table listing astronomical observations for station 1749, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and various parameters like Az, Op, ISC, h, m, s, ISC.

VAH Vaihoo 31.47 68 eT T 17 51 40.7

Table listing astronomical observations for station 1750, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and various parameters like Az, Op, ISC, h, m, s, ISC.

CTAO Charters Tower 34.00 279 eP P 17 19 11.4 +0.3

Table listing astronomical observations for station 1751, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and various parameters like Az, Op, ISC, h, m, s, ISC.

VAH Vaihoo 31.47 68 eT T 17 51 40.7

Table listing astronomical observations for station 1752, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and various parameters like Az, Op, ISC, h, m, s, ISC.

Table listing astronomical observations for station 1753, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and various parameters like Az, Op, ISC, h, m, s, ISC.

GEYT Alikeck 133.74 295 PKP PKPdf 17 31 42.4 -1.0

Table listing astronomical observations for station 1754, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and various parameters like Az, Op, ISC, h, m, s, ISC.

DJA 27 17:21:57.1,1.9,3.5S:53.4142E, h11km,8km,M4.0/3, mb4.3/1,MLV3.9/3, Near north coast of New Guinea

Table listing astronomical observations for station 1755, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and various parameters like Az, Op, ISC, h, m, s, ISC.

ISCJ 27 17:31:46.1,0.7,34.78S:108.97W,h0km,mb4.1/9, mb1.4/9,mb1tmx4.1/38,mbtm4.1/3,MS3.9/13, Ms1.9/13,ms1mx3.7/33, Error ellipse: s-maj=25.1km s-min=21.3km az=94.0

Table listing astronomical observations for station 1756, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and various parameters like Az, Op, ISC, h, m, s, ISC.



Table with columns: ID, Name, Address, Date, Time, Status, etc. Includes entries like Y14A Wickenburg, P39B Salisbury, R09C El Rosal, etc.

Table with columns: ID, Name, Address, Date, Time, Status, etc. Includes entries like N23A Red Feather La, L40A Anamosa, SZCU Shute Canyon, etc.

Table with columns: ID, Name, Address, Date, Time, Status, etc. Includes entries like MDPB Devils Postpil, AHID Auburn Hatcher, NV91 Mina Array Sit, etc.



27d 18h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like La Paz, Fort Churchill, Schefferville, Yellowknife Arr, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Bislig, Butuan, Musuan, Sagayan de Oro, Vista Hermosa, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Maddies Statio, Cathedral Cave, Princeton, 4UR Ranch, Mesa Verde, etc.

MAN 27 18:11:12.5, 8.46N, 126.23E, h103km, mb4.4, ML3.2, MS3.0, 2C, Mindanao

MAN 27 18:18:43.8, 6.44N, 111.02E, h0km, mb4.0/15, mb1.3/9.3, mb1mx3.6/44, mbtmp3.9/22, ML4.0/7, MS3.0/5, Ms1.3/0.5, ms1mx2.6/70, Error ellipse: s-maj=14.2km s-min=8.9km az=120.0







Table with columns for station name, frequency, mode, and coordinates. Includes stations like BGFG Bois d'Angland, CEME Cevo, and many others.

Table with columns for station name, frequency, mode, and coordinates. Includes stations like HGHN Ostrova-Krasne, OKCC Ostrova-Krasne, and many others.

Table with columns for station name, frequency, mode, and coordinates. Includes stations like OBN, MMAI, KIV, and many others.

SOME 27 18:19:42.6, 42.80N-81.87E, h0km, MS3.3
IDC 27 18:19:42.5, 0.7, 42.81N-82.03E, h0km, mb3.5/9
mb1 3.7/17, mb1mx3.6/74, mbmp3.6/17, ML3.5/8, MS2.6/3,
M51 2.6/3, ms1mx2.4/56, Error ellipse: s-maj=12.0km
s-min=10.4km az=75.0
BUJ 27 18:19:43.0, 42.79N-81.91E, h7km, mb3.9/8, mB4.3/5,
ML4.2/10, MS3.9/2, Ms7.7/1
NMC 27 18:19:46.1, 1.3, 42.81N-81.86E, h0km, mb4.7, mpv4.3,
Error ellipse: s-maj=11.9km s-min=5.3km az=145.0
ISC 27 18:19:43.8, 1.4, 42.76N-0.03, 81.91E, 0.03, h3km, gkm,
n77, e232/110, mb3.6/9, 20C-19R, Northern Xinjiang





ISK 27 18:32:08.3, 42.66°N, 43.00°E, h30km, ML2.7/4
TIF 27 18:32:08.0, 42.40°N, 42.97°E, h14km, 3km
CSEM 27 18:32:09.4, 0.4, 42.38°N, 43.01°E, h10km, ML2.3, Error
ellipse: s-maj=11.1km s-min=5.0km az=156.0
DDA 27 18:32:09.9, 1.2, 42.39°N, 0.0, 43.00°E, h7km, ML2.6
ISC 27 18:32:08.9, 1.2, 42.39°N, 0.0, 43.00°E, h9km, 1.1km,
n41, c94/62, Western Caucasus

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

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

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

ISCJB 27 18:40:16.9, 1.2, 32.12°S, 0.0, 44.70°W, 0.06,
h111km, 13km, Error ellipse: s-maj=8.6km s-min=5.6km
az=34.0
SJA 27 18:40:16.6, 0.7, 32.08°S, 70.17°W, h49km, 7km, ML3.4,
MW3.8
GUC 27 18:40:17.0, 0.6, 32.04°S, 70.11°W, h98km, 15km, ML3.1
ISC 27 18:40:18.2, 1.2, 32.10°S, 0.0, 44.70°W, 0.05, h98km, 21km,
n16, c97/25, Chile-Argentina border region

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

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

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

NEIC 27 18:40:26.8, 1.7, 21.92°S, 179.18°W, h498km, 19km,
mb4.4/22, Error ellipse: s-maj=12.4km s-min=10.4km
az=162.0

ISCJB 27 18:40:32.6, 0.2, 22.07°S, 0.0, 44.70°W, 0.06, h57km,
mb4.3/53, Error ellipse: s-maj=7.3km s-min=3.6km az=8-82
IDC 27 18:40:34.2, 1.9, 21.92°S, 179.31°W, h57km, 21km,
mb3.8/24, mb1.3/9, 24, mb1mx3.8/40, mbmp4.6/24, Error
ellipse: s-maj=10.9km s-min=9.4km az=142.0

ISC 27 18:40:33.7, 0.4, 22.10°S, 0.0, 44.70°W, 0.09, h57km,
n212, c193/210, mb4.4/25, 25-15D, South of Fiji Islands

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

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

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

ISCJB 27 18:40:09.3, 0.5, 20.83°S, 0.0, 44.68°W, 0.09, h109km, 6km,
mb3.9/8, Error ellipse: s-maj=13.3km s-min=5.9km az=6.0
GUC 27 18:40:10.5, 0.5, 20.82°S, 68.91°W, h104km, 3km, ML3.8
IDC 27 18:40:11.0, 3.0, 20.76°S, 68.91°W, h104km, 23km, mb3.7/8,
mb1.3/7.1, mb1mx3.4/43, mbmp4.0/11, Error ellipse:
s-maj=33.2km s-min=21.7km az=84.0
ISC 27 18:40:10.2, 0.7, 20.79°S, 0.0, 44.68°W, 0.08, h103km, 7km,
n23, c193/34, mb3.9/8, 2C-7D, Chile-Bolivia border
region

Code, Station Name, Az, Az', Phase ID, Time Res, h s ISC. Lists various stations and their coordinates and phases.

Code, Station Name, Az, Az', Phase ID, Time Res, h s ISC. Lists various stations and their coordinates and phases.

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time Res, etc. Includes stations like PB08, PB09, PB10, etc.

GUC 27 18:53:52.0-0.8, 2073S-69.91W, h47km, 2km, ML3.5, 2C-4D, Northern Chile

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time Res, etc. Includes stations like PB01, PB02, PB03, etc.

CSEM 27 18:56:29.7-0.1, 42.95N-23.33E, h2km, ML2.4, Error ellipse: s-maj=3.8km s-min=3.1km az=71.0

NEIC 27 18:56:32.5-0.6, 27.14S:30.82E, h5km, mb4.4/1, Error ellipse: s-maj=13.0km s-min=11.8km az=54.0

NEIC 27 18:56:33.7-1.4, 27.24S:30.74E, h5km, ML4.5, Error ellipse: s-maj=15.7km s-min=12.0km az=344.0

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

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

ISCJB 27 18:56:31.9-0.3, 27.26S:0.03-0.77E, h10km, mb4.2/11, MS3.7/4, Error ellipse: s-maj=4.6km s-min=3.7km az=162.1

ISC 27 18:56:32.1-0.7, 27.14S:30.79E, h0km, mb4.2/10, mb1.4/3/14, mb1mx3.0/9.59, mbtmp/2/14, ML3.1/3, MS3.6/5, Ms1.3/6.5, ms1mx3.0/4.8, Error ellipse: s-maj=17.5km s-min=14.3km az=14.0

NEIC 27 18:56:32.5-0.6, 27.14S:30.82E, h5km, mb4.4/1, Error ellipse: s-maj=13.0km s-min=11.8km az=54.0

NEIC 27 18:56:33.7-1.4, 27.24S:30.74E, h5km, ML4.5, Error ellipse: s-maj=15.7km s-min=12.0km az=344.0

PREE 27 18:56:33.7-1.4, 27.24S:30.74E, h5km, ML4.5, Error ellipse: s-maj=15.7km s-min=12.0km az=344.0

ISC 27 18:56:33.6-0.5, 27.23S:0.04-30.77E, h10km, n55, s1571/75, mb4.4/11, MS3.7/4, South Africa

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

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

DDA 27 18:58:10.4, 39.10N:29.15E, h7km, ML2.4, Error ellipse: s-maj=3.3km s-min=2.5km az=148.0

ISCJB 27 18:58:11.0-0.9, 39.12N:0.03-29.16E, h12km, 6km, n32, c049/45, Turkey

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













Table with columns: YKA, Yellowknife Ar, 64.53 335 P, 20 26 20.1 +0.8, etc. Includes various station names and coordinates.

Table with columns: YKA, Yellowknife Ar, 64.53 335 P, 20 26 20.1 +0.8, etc. Includes various station names and coordinates.

Table with columns: KSH, Przhval'sk, 10.96 119, 20 52 56.4 +0.1, etc. Includes various station names and coordinates.

27d 20h

Table with columns for station name, frequency, and signal strength. Includes stations like Guiyang, Sadoo Pong, XAN, NONG, GEYT, ZAAO, ZALV, WSAR, BVAR, SONM, ZAK, MOY, HHC, ABKAR, QZR, QIZ, AKTO, BJI, NJ2, SVE, MAK, ARU, GROG, GNI, ZEI, NCK, SOKR, KBZ, NEY.

2012 MAY

Table with columns for station name, frequency, and signal strength. Includes stations like KVAR, KIV, TJN, KSAR, KSOI, TGY, VORD, VSR, ANN, ZEA, LPSR, SBUM, JOW, KKM, PRGR, MSHR, USRK, MMAI, KLR, SIM, OBN, ILGA, BR13, BRTR, KLMR, KLMR, KLMR, ISP, TMCR, LEM, AKASG, AKASG, KIS, KIS, KIS, SORM, CFR, MAJO, MJAR, PUL, PUL, VRI, TESR, PLOD, GIRR, PRAR, MLR, MLR, KARP, ALN, ALN, BURAR, VSU, VSU, VOIR, JHR, ARR, TIXI, APE, ASAJ, FINES, FINES, LOT, IDI, IDI, DRGR, VTS, TRPA, UZH.

1762

Table with columns for station name, frequency, and signal strength. Includes stations like UZH, SIRR, KLRN, ARCES, PDG, MOY, SEY, HFS, KMBO, KMBO, BRG, BRG, GERES, GERES, GERES, CLL, CLL, CLL, NB2, NOA, SPITS, KONO, VAE, PETK, GUMO, BILL, BILL, KEST, KEST, FITZ, EKA, ESK, ESDC, SUMG, SUMG, WRA, WRA, KULLO, KULLO, ASAR, AS01, IM3, TORO, TORO, COLA, COLA, IL1, ILAR, ILAR, ILAR, ILB, KOWA, KOWA, BOSA, BOSA, STKA, STKA, HNR, DBIC, YKA, DZM, MAW, TXAR, CPUP, LPAZ, LPAZ.

IDC 27:20:56.22.0.5, 3.35, 81N:71.21E, h228km, 48km, mb3.0/4, mb1 3.1/8, mb1mx2.8/66, mbtmp3.7/8, Error ellipse: s-maj=63.6km s-min=30.3km az=144.0 NNC 27:20:56.31, 8.4, 4, 36, 85N:70.89E, h253km, 58km, mb2.4, mpv3.6, Error ellipse: s-maj=51.0km s-min=37.6km

Table with columns for Code, Station Name, Frequency, and Signal Strength. Includes stations like SFK, SFK, AML, MNAS, MNAS, UCH, KZA, EK2, KK31, KK31, AAK.

1763

Table with columns: AAK, 4.4nm, 0.3s, baz=143, slow=2.5, SNR=23, S, 20 59 23.2 +1.5, etc.

IDC 27 21:00:28.3:1.0, 30'61N-83'34E, h0km, mb3.6/11, mb1.3/14, mb1mx3.6/7, mbtmp3.7/14, ML3.5/3, Error ellipse: s-maj=32.6km s-min=16.4km az=52.0

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

TAP 27 21:09:27.5:24'83N:122'10E, h1km, ML3.3, C JMA 27 21:09:28.0:1.24'76N:122'15E, h54km, M2.9

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

2012 MAY

Main table with columns: NNSB, baz=236, S, Sg, 21 09 53.8 -0.9, etc.

27d 21h

Table with columns: CHN1, Nanshi, baz=221, baz=219, 2.30 224 eP, Pb, 21 10 07.8 +0.1, etc.

IDC 27 21:16:13.2:1.7, 24'09S:69'74E, h0km, mb3.7/6, mb1.3/8.6, mb1mx3.4/7.0, mbtmp3.6/6, MS3.6/3, Ms1 3/7.3, ms1mx2.8/5.5, Error ellipse: s-maj=60.0km s-min=27.5km az=36.0, Mid-Indian Ridge

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

DDA 27 21:26:22.6:35'13N:27'75E, h5km, ML3.7 IDC 27 21:26:27.1:1.0, 35'58N:27'81E, h0km, mb3.8/9, mb1.3/7.14, mb1mx3.5/6.1, mbtmp3.6/14, ML3.5/5, MS2.4/2, Ms1 2.4/2, ms1mx2.1/6.2, Error ellipse: s-maj=21.6km s-min=15.8km az=173.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

ISC 27 21:26:29.4:0.6, 35'30N:0'02:27.95E:0.02, h24km, 6km, mb3.6/9, Error ellipse: s-maj=3.7km s-min=2.1km az=31.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.







27d 22h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Nunnally, Douglas, WVT, Waverly, etc.

2012 MAY

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Milan, Paradox Valley, M43A, etc.

1766

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Detroit Lake, La Paz, LPZ, etc.

IDC 27 22:46:11.4z.3.1, 14.28N;03:55W, h0km, mb3.6/3, mb1.3/6, mb1mx3.6/44, mbtmb3.6/6, ML3.4/3, Error ellipse: s-maj=73.8km s-min=31.7km az=21.0

MEX 27 22:46:19.6z.0.7, 14.66N;93.73W, h15km, MD4.1

ISC 27 22:49:24.2, 37.80N;26.74E, h7km, ML2.0, Error ellipse: s-maj=2.9km s-min=1.6km az=51.0

DDA 27 22:49:24.2, 37.80N;26.74E, h7km, ML2.6

ISK 27 22:49:24.1, 37.82N;26.75E, h7km, ML2.0/6

ISC 27 22:49:24.6, 1.0, 37.83N;0.03, 26.75E, h14km, 1.0km, n28, c038/34, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like PCIG, CGIG, Comitan, etc.

ISCJB 27 22:49:24.2, 0.7, 37.80N;26.74E, h0km, mb3.6/3, Error ellipse: s-maj=7.5km s-min=4.7km az=39.8

CSEM 27 22:49:24.5, 0.1, 37.82N;26.74E, h10km, ML2.0, Error ellipse: s-maj=2.9km s-min=1.6km az=51.0

DDA 27 22:49:24.2, 37.80N;26.74E, h7km, ML2.6

ISK 27 22:49:24.1, 37.82N;26.75E, h7km, ML2.0/6

ISC 27 22:49:24.6, 1.0, 37.83N;0.03, 26.75E, h14km, 1.0km, n28, c038/34, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like DGB, DGB, GMLD, etc.





1769

Table with columns for station name, frequency, power, and status. Includes stations like MASS Massafra, AMUR Altamura, TAR1 Taranto, etc.

2012 MAY

Table with columns for station name, frequency, power, and status. Includes stations like PAOL comp=E,1620um,1.6s, MOCO Bicarri m.te, etc.

28d 1h

Table with columns for station name, frequency, power, and status. Includes stations like PTRJ comp=E,6220um,1.1s, MPAZ Palizzi, MCSR Castoreale, etc.



Table with columns: Station Name, Frequency, Power, Band, and other technical details. Includes stations like GERESS Array S, GERESS Array B, Vranov, etc.

Table with columns: Station Name, Frequency, Power, Band, and other technical details. Includes stations like Milestii Mici, Colim, Keskin Array S, etc.

Table with columns: Station Name, Frequency, Power, Band, and other technical details. Includes stations like Kislovodsk, KIV, NEY, etc.



28d 1h

Table of seismic data for 28d 1h, including station codes (e.g., KK31, KK32), station names (e.g., Karatay Array), and various parameters like magnitude, time, and location.

2012 MAY

Table of seismic data for 2012 MAY, including station codes (e.g., CM31, CMAR), station names (e.g., Chiang Mai Arr), and various parameters like magnitude, time, and location.

1772

Table of seismic data for 1772, including station codes (e.g., MTSN, MGR), station names (e.g., comp=E,2960um,1.4s), and various parameters like magnitude, time, and location.



Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters for various stations.

Station location and technical details for Beijing, including coordinates, antenna height, and signal characteristics.

Main table listing station codes, names, and technical parameters for stations across China, including Beijing, Shanghai, and others.

Main table listing station codes, names, and technical parameters for stations across the region, including XAN, WHN, USRK, and others.

Main table listing station codes, names, and technical parameters for stations across the region, including ERM, YSS, KMI, and others.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like PEAK1, PETK, PETK, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like MDM, COLA, COLA, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like CONA, YKWS, NKC, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes NNC 28 02:56:50.8-4.0,3674N\*7026E, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes IDC 28 03:03:40.4-5.14,35N\*146.00E, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes IDC 28 03:31:07.2-1.3,28.80N\*105.60E, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes ISCB 28 03:38:05.7-0.8,22.61S\*0.06:68:8W:0.1, etc.



comp=E,0.4nm,0.7s,baz=136,slow=4.5,SNR=7.7

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Barranco-do-Ve, Vila Bisbo, PVAQ, MORF, EGRO, PTEO, SFS, MESJ, PBEJ, EMIN, PNCL, ALJ, PBAR, EJIF, EVO, ECEU, CEUT, LIS, PESTR, PMST, EMIJ, ECAB, PMTG, PMAFR.

Table with columns: PMAFR, ALMR, EGOR, PTOM, EADA, IMPAL, ELGU, PCAS, EQU, COI, EPLA, EALB, MTE, GORA, EBER, EQES, EQES, PAB, PAB, PAB, PVIS, ESDC, ESDC, ESDC, SESP, SESP, PTO, PTO, MVO, MVO, MVO, MVO, MVO, POLO, POLO, GUD, GUD, GUD. Includes stations like Malaga-Limoner, Marv??o, Sierra Gorda, Tomar, Adamuz, Palemias, Castelo Branco, Los Guajares, Casimio, Conde, Quantar, Gorafe, Berja, Quesada, San Pablo, Sonseca Array, Sonseca Array, Santiago Espad, Santiago Espad, Porto, Moncorvo, Moncorvo, Moncorvo, Vila Real, Lamas de Olo, Guadarrama, Guadarrama.

Table with columns: PCAB, UCM, ELOB, PBRG, PGAV, EMUR, ETOR, ECAL, EAGO, EATOR, EMOS, EMO, SJPF, SJP, SJP, SJP, ETSF, ETSF, ETSF, EPF, EPF, EPF, LFF, LFF, LFF. Includes stations like Cabril, Universidad Co, Lobios, Braganca, Gaviereira, Arco, La Murta, Tobarra, Calabor, Agolada, Torete, Mazaricos, Mosqueru, Ste Jean, Ste Jean, Ste Jean, Etsaut, Etsaut, Etsaut, Esparros, Esparros, Frestale, Frestale.

IDC 28 04:15:34.5:3.9,5.62S:150.746E,h0km,mb3.3/2, mb1 3.7/2,mb1mx3.4/47,mbtmp3.4/2, Error ellipse: s-maj=163.5km s-min=47.7km az=117.0, New Britain region

MEX 28 04:23:42.2:0.5,14.04N:93.27W,h16km,gggkm,MD3.9, Near coast of Chiapas

IDC 28 04:34:52.6:4.3,4.95S:151.742E,h0km,mb3.5/4, mb1 3.7/4,mb1mx3.5/45,mbtmp3.5/4, Error ellipse: s-maj=152.5km s-min=30.0km az=107.0, New Britain region

CSEM 28 04:46:28.0:0.4,50.21N:18.94E,h1km, Error ellipse: s-maj=10.1km s-min=4.9km az=14.0







Table with columns: Call Sign, Frequency, Mode, Power, and other details. Includes entries like Y43A Makayla and Ka, TZTN Tazewell, W47A Westpoint, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other details. Includes entries like TXAR comp=Z,65nm,0.5s, TXAR comp=N,2.0nm,1.3s, TX31 Lajitas Ar. Si, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other details. Includes entries like S40A Lebanon, R42A Luebering, BINY Binghamton, etc.















Table with columns: MOY, Station Name, Time, Res, and various codes. Includes stations like ASAJ Asahikawa, ASAJ Asahikawa, ASAJ Asahikawa, etc.

Table with columns: CMAR, Station Name, Time, Res, and various codes. Includes stations like JGF Kuroka, CHTO Chiang Mai, CHTO Chiang Mai, etc.

Table with columns: SSLB, Station Name, Time, Res, and various codes. Includes stations like Suanglung Taipei, SSE Sheshan, SSE Nanjing, etc.



Table with columns: DRN, Derbent, 0.63 94, iPG, Pn, 07 52 09.4 -0.2, ARNR Ardon, 2.60 296, ePN, Pb, 07 52 40.5 -1.7, BLSI Bandar Lampung, 1.78 340, P, Pn, 08 00 17.3 0.0

Table with columns: ARNR Ardon, 2.60 296, ePN, Pb, 07 52 40.5 -1.7, BLSI Bandar Lampung, 1.78 340, P, Pn, 08 00 17.3 0.0

Table with columns: BLSI Bandar Lampung, 1.78 340, P, Pn, 08 00 17.3 0.0

IDC 28 08:01:47.5:5.4,8:18S:128:43E,h0km,mb3.9/1, mb1 4.3/4,mb1mx3.6/5.4,mbtmp4.2/4,ML4.0/3,Error ellipse: s-maj=84.5km s-min=36.5km az=23.0, Tmor

Table with columns: Code, Station Name, A°, AZ°, Phase ID, ISC, Time, Res, h, m, s, ISC

IDC 28 08:21:30.9:2.5,53:47N:-87:76E,h0km,mb1 3.3/2, mb1mx2.2/6.7,mbtmp3.3/2,ML3.2/2,Error ellipse: s-maj=22.3km s-min=14.6km az=63.0, Southwestern Siberia

Table with columns: Code, Station Name, A°, AZ°, Phase ID, ISC, Time, Res, h, m, s, ISC

SJA 28 08:22:04.3:0.7,27:71S:71:83W,h33km,ML4.7,MW4.7 IDC 28 08:22:05.7:0.5,27:95S:71:07W,h0km,mb4.2/1.4, mb1 4.3/1.6,mb1mx4.2/3.3,mbtmp4.2/1.6,ML3.7/2,Error ellipse: s-maj=23.8km s-min=14.8km az=78.0

ISCJB 28 08:22:09.4:1.4,27:88S:0:02:71:33W,0.05,h33km,11km, mb4.4/4.4,Error ellipse: s-maj=7.4km s-min=4.0km az=4.6 GUC 28 08:22:10.7:0.5,28:02S:71:00W,h76km,12km,ML4.6 NEIC 28 08:22:10.0:0.0,28:02S:71:00W,h76km,mb4.5/3.3, ML4.6(GUC),After GUC.

NEIC Feat [I] at Copiapo, Coquimbo, La Serena, Paiguano, Tierra Amarilla and Valena

ISC 28 08:22:08.8:1.1,27:90S:0:04:71:40W,0.06,h23km,7km, n124,s186/143,mb4.5/4.4,3C-4D,Near coast of northern Chile

Table with columns: Code, Station Name, A°, AZ°, Phase ID, ISC, Time, Res, h, m, s, ISC



28d 8h

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h m s, ISC. Includes stations like Villa Florida, Paso Flores, TRCA, etc.

ISC/JB 28 08:29:26.1±0.5, 13.98°N;0.05:145.16E±0.05, h119km,5km,mb4.4/93, Error ellipse: s-maj=8.6km s-min=9.4km az=22.3

2012 MAY

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h m s, ISC. Includes stations like Rabaul, WAKE ISLAND Hy 21.02, etc.

ISC/JB 28 08:29:26.3±0.5, 14.03°N;145.25E, h106km,5km,mb3.8/22, mb1 3.9/22, mb1mx3.8/64, mbtp4, 1/22, Error ellipse: s-maj=17.7km s-min=11.5km az=80.0

1790

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h m s, ISC. Includes stations like Summer Lake, Oroville, Modoc Plateau, etc.

CSEM 28 08:38:22.8±1.1, 79.94°N;1.64W, h10km,ML3.0, Error ellipse: s-maj=39.9km s-min=9.4km az=175.0

ISC 28 08:38:03.2±0.4, 81.0°N;0.3±2.33W±0.05, h10km, n14, 191Z/29, North of Swallow

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h m s, ISC. Includes stations like Kingsbay, Spitsbergen Ar, etc.

ISC/JB 28 08:44:33.7±0.8, 10.58°N;0.03:83.02W±0.03, h20km,7km, Error ellipse: s-maj=5.5km s-min=4.7km az=22.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Heredia, Buena Vista, San Ramon, Cerro Gallo 2, Quepos, Volcan, Cerro Adams, JuntasAbangare, Las Esperanzas, Mesas, Vista de Mar, La Cruz, Concepcion, BOABO BROADBAND, BCIP Isla Barco Col, BCIP Isla Barco Col, ZANG Zanguenga, Chocoma, Copaltepé, MGAN Motolombo, CONN Cerro Negro, ESTN Estel, MOTC Monteria, MOTC, SJCC San Jacinto, ZARCO Zaragoza, Cauc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like OCAC Ocana, ZARC Zaragoza, NORC Norcasia, CHIC Chingaza, ROSC El Rosal, ROSC Santa Helena, HELC Santa Helena, VILC Villavicencio, RREF El Recreo, DBBC Dabeiba, CODC Agust-n Codaz, SDV Santo Domingo, PRAC Prado, PLMC San Jos, YOTC Yotoco, YOTC, TXAR Lajitas Array, YKA Yellowknife Arr, ASAR Alice Springs, WRA Warramunga Arr.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H10S3 ASCENSION HYDR1, H10S1 ASCENSION HYDR1, H10S2 ASCENSION HYDR1, SIV San Ignacio, DBIC Dimbokro, DBIC, LPAZ La Paz, LPAZ La Paz, ATAH Atahualpa, TOA1 Torodi Arr, TOA2 Torodi Arr, TORD Torodi Arr, LUPA Lehigh Univ, APG El Apazole, CCIG Comitán, H09N1 TRISTAN DA CUN, EKA Eskdalemuir Arr, SFJD Kangaroo Array, CLL Colim, ULM Lac du Bonnet, TXAR Lajitas Array, FCC Fort Churchill, S22A 4UR Ranch, PDAR Pinedale Array, WUAZ Wupatki, AKASG Malin Array, AKBB Malin Array, BGU Big Grassy Mtn, BR101 Keskin Array B, BRTR Keskin Array B, HLID Hailey, RES Resolute Bay, YKA Yellowknife Arr, MOD Modoc Plateau, INK Inuvik, INK Inuvik, VNA1 Neumayer-Ste, VNA2 Neumayer-Ste, SNA1 Sanae, SNA2 Sanae, SNA3 Sanae, DAWW Dawson, SCRR Sand Creek, IL1 Eielson Array, ILAR Eielson Array, ILB Eielson Array, ABKAR Abkukul Array, ASAR Alice Springs.

IDC 28 08:55:06.6:1.8,38:53N:144:97E, h0km, mb3.7/5, mb1 3.8/7, mb1mx3.4/69, mbtmp3.7/7, ML3.4/2, Error ellipse: s-maj=53.6km s-min=23.5km az=77.0

ISCJB 28 08:55:10.2:0.7,38:70N:0:04:144:73E:0.1, h43km, mb3.7/5, Error ellipse: s-maj=6.5km s-min=5.0km az=43.5

JMA 28 08:55:10.5:0.2,38:60N:144:65E, h40km, M3.8, ISC 28 08:55:12.1:1.1,38:69N:0:06:144:77E:0.08, h43km, n25, e202:42, mb3.7/5, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like OFUJ Ofunato, OFUJ Miyakonagasawa, MIJY Ichinoseki, JMK JMK, JOM Ohasama, JOU Okura, JOU Rokugo, JRG Kaneyama, JYK Hinai, JAH Tenmabayashi, JTM Otama, JFT Ohata, JCH Churui, JKB Kayabe, NEM2 Nemuro 2, JOSH Okushiri-Mats, JTKR Abashiri-Toko, JRY Ryogami san, MJAR Matsushiro Arr, MJAR Matsushiro, MAT Asahikawa, ASAJ Asahikawa, MKAR Makanchi Arr, KURBB Kurchatov Array, WRA Warramunga Arr, ASAR Alice Springs, FINES FINES Array B.

IDC 28 09:18:00.8:0.9,9:64N:40:64W, h0km, mb3.9/8, mb1 4.1/8, mb1mx3.7/62, mbtmp3.9/8, MS3.8/7, Ms1 3.8/7, ms1mx3.6/21, Error ellipse: s-maj=28.1km s-min=23.8km az=156.0

ISCJB 28 09:18:01.0:0.8,9:6N:0:2:40:7W:0.1, h10km, mb3.9/8, MS3.7/7, Error ellipse: s-maj=24.8km s-min=19.3km az=148.3

ISC 28 09:18:02.4:0.9,9:6N:0:2:40:6W:0.2, h10km, n21, e17:18, mb4.0/8, MS3.7/7, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H05S1 Guadeloupe/Mar, H05N1 Guadeloupe/Mar, PTGA Pitinga, PTGA San Juan, SDV Santo Domingo, H10N3 ASCENSION HYDR1, H10N2 ASCENSION HYDR1, H10N1 ASCENSION HYDR1, H10S3 ASCENSION HYDR1, H10S1 ASCENSION HYDR1, H10S2 ASCENSION HYDR1, ROSC El Rosal, LPAZ La Paz, LPAZ La Paz, ATAH Atahualpa, TORD Torodi Arr, TXAR Lajitas Array, TSMU Tsumeb, YKA Yellowknife Arr, INK Inuvik, SNA1 Sanae, ILAR Eielson Array.

ISCJB 28 09:36:59.4:0.3,9:57N:0:06:40:57W:0.05, h10km, mb4.5/49, Error ellipse: s-maj=9.2km s-min=6.9km az=158.5

IDC 28 09:36:59.6:0.5,9:59N:40:58W, h0km, mb4.3/25, mb1 4.4/25, mb1mx4.2/61, mbtmp4.3/25, Error ellipse: s-maj=15.6km s-min=12.6km az=151.0

NEIC 28 09:37:01.0:0.2,9:54N:40:56W, h10km, mb4.7/12, Error ellipse: s-maj=7.9km s-min=5.9km az=166.0

ISC 28 09:37:01.2:0.4,9:58N:0:09:40:57W:0.07, h10km, n67, e89:89, mb4.5/50, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like GDHS Morne Mazeau, PTGA Pitinga, PTGA Pitinga, SAML Samuel, SDDR Presa de Saban, SIV San Ignacio, DBIC Dimbokro, KOWA Kowa, LPAZ La Paz, LPAZ La Paz, CPUP Villa Florida, TOA1 Torodi Arr, TOA2 Torodi Arr, TORD Torodi Arr, MTE MTE, JTS JuntasAbangare, SDDO Sonsea Array, EASC Eielson Array, Sadowa, PVMO Portoville, KEST Kesra, BFO Black Forest, DAVA Davao, FETA Feichten, PLCA Paso Flores, MOTA Moosalm, ABKA Abfattersbach, OBTA Obir, MOA Mollin.

IDC 28 09:03:07.4:7.2,0:77N-99:39W, h0km, mb3.5/5, mb1 4.0/5, mb1mx3.7/33, mbtmp3.5/5, MS3.4/4, Ms1 3.4/4, ms1mx3.0/33, Error ellipse: s-maj=178.3km s-min=134.2km az=95.0, West of Galapagos Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like APG El Apazole, CMIG Matias Romero, LPIG La Paz, TXAR Lajitas Array, ANMO Albuquerque, NVAR Mina Array Bea, PDAR Pinedale Array, YKA Yellowknife Arr, ILAR Eielson Array.

ISCJB 28 09:36:07.2:0.3,9:63N:0:06:40:53W:0.06, h10km, mb4.1/29, MS4.0/3, Error ellipse: s-maj=9.5km s-min=8.8km az=151.9

IDC 28 09:36:07.0:0.6,9:62N:40:52W, h0km, mb4.0/16, mb1 4.2/16, mb1mx4.6/4, mbtmp4.0/16, ML4.7/1, MS4.0/3, Ms1 4.0/3, ms1mx3.6/12, Error ellipse: s-maj=18.5km s-min=14.9km az=147.0

NEIC 28 09:36:08.6:0.3,9:57N:40:50W, h10km, mb4.4/19, Error ellipse: s-maj=7.6km s-min=6.8km az=168.0

GCMT 28 09:36:08.6:0.3,9:62N:40:43W, h12km, MWS.1/84, Moment Tensor Solution. s26,c27; s84,c125; Duration: 0 Moment tensor: Scale 10^16Nm; Mr=5.11e-18; Mw=0.44e-17; Mb=0.47e-13; Ms=0.76e-10; Mv=0.68e-15; Mw=2.2e-11; Best double couple: Ms5.47400e1016 NPT1s=347.00000; s58.00000; A-94.00000; NP2: q=1.75e0000; s33.00000; A-94.00000; Principal axes: T: 5.2950; P: 13.0000; Azm:80.000; N: 0.3540; Plg3.0000; Azm349.0000; P: 5.6530; Plg7.0000; Azm24.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 28 09:36:08.8:0.5,9:59N:0:09:40:51W:0.09, h10km, n59, e078:50, mb4.3/29, MS4.2/3, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like RCRB Riachuelo, RCRB Riachuelo, RCRB Riachuelo, H05N1 Guadeloupe/Mar, PTGA Pitinga, SAML Samuel, H10N3 ASCENSION HYDR1, H10N2 ASCENSION HYDR1, H10N1 ASCENSION HYDR1.

IDC 28 09:03:07.4:7.2,0:77N-99:39W, h0km, mb3.5/5, mb1 4.0/5, mb1mx3.7/33, mbtmp3.5/5, MS3.4/4, Ms1 3.4/4, ms1mx3.0/33, Error ellipse: s-maj=178.3km s-min=134.2km az=95.0, West of Galapagos Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like APG El Apazole, CMIG Matias Romero, LPIG La Paz, TXAR Lajitas Array, ANMO Albuquerque, NVAR Mina Array Bea, PDAR Pinedale Array, YKA Yellowknife Arr, ILAR Eielson Array.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JIRB, TJT, JAGN, JISG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TEOL, MARN, DOSS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BODT, MANT, GCAM, etc.

TRN 28 10:30:43.4, 19:10N:63.62W, h35km, MD4.0
RSPF 28 10:30:44.9, 19:17N:63.56W, h32km, 9km, MD3.7/6
NEIC 28 10:30:45.9, 0.1, 8.82N:63.23W, h7km, MD4.0(TRN)

ISC 28 10:30:43.6, 2.0, 19.1N:1.635W, 0.04, h24km, 14km, n35, e076/56, 8C-15D, Leeward Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ABV, SMRT, TBVI, SABA, etc.

IDC 28 10:51:01.9, 2.2, 23.02S:171.30E, h0km, mb3.8/4, mb1 4.2/5, mb1mx3.7/42, mbtmp3.9/5, ML3.9/1, MS3.3/2, Ms1 3.3/2, ms1mx2.7/46, Error ellipse: s-maj=108.3km s-min=28.8km az=165.0, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM, RPZ, ASAR, WRA, PPT2, GUMO, CMAR, NVAR, EKES, GERESS, etc.

ATH 28 10:51:51.1, 37.15N:29.00E, h4km, 2km, ML3.0/5, Error ellipse: s-maj=3.0km s-min=2.1km az=57.0
CSEM 28 10:51:51.9, 0.2, 37.07N:29.08E, h2km, ML2.9, Error ellipse: s-maj=3.9km s-min=3.5km az=161.0, Suspected Mining explosion.

ISCJB 28 10:51:51.7, 0.3, 37.07N:0.02-29.07E:0.02, h0km, Error ellipse: s-maj=3.0km s-min=2.4km az=163.6
ISK 28 10:51:51.4, 37.01N:29.10E, h8km, ML3.2/9
THE 28 10:51:52.1, 36.97N:29.06E, h0km, ML2.9/2, Error ellipse: s-maj=0.6km s-min=0.4km az=36.0

DDA 28 10:51:52.2, 37.09N:29.08E, h15km, M1.3, Suspected Mining explosion.
ISC 28 10:51:50.9, 0.7, 37.02N:0.02-29.09E:0.02, h0km, n73, e121/112, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FETY, DALY, TURN, GOLH, YER, DNZL, etc.

IDC 28 11:03:57.1, 6.6, 6.23N:95.62E, h0km, mb3.4/3, mb1 3.6/3, mb1mx3.6/2, mbtmp3.4/3, Error ellipse: s-maj=351.5km s-min=28.5km az=57.0, Nicobar Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H08S3, H08S2, H08S1, MKAR, WRA, ASAR, etc.

ISCJB 28 11:14:15.0, 9.38, 73N:0.03-43.50E:0.09, h13km, Error ellipse: s-maj=10.2km s-min=4.8km az=9.2
CSEM 28 11:14:15.5, 38.73N:43.49E, h7km, ML2.5
DDA 28 11:14:15.5, 38.73N:43.49E, h7km, ML2.5
ISC 28 11:14:15.1, 4.4, 38.75N:0.03-43.57E:0.08, h13km, n12, e192/19, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VANB, VMUR, GEVA, ADCV, AGRB, EATA, etc.

IDC 28 11:19:35.1, 62.0, 16.30S:168.94E, h0km, mb3.8/3, mb1 3.9/4, mb1mx3.6/48, mbtmp3.8/4, ML3.7/1, MS3.2/4, Ms1 3.2/4, ms1mx2.8/42, Error ellipse: s-maj=1051.0km s-min=58.8km az=72.0, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM, DZM, URZ, STKA, WRA, ASAR, etc.

NEIC 28 11:22:06.3, 0.0, 15.99N:98.85W, h5km, mb4.0/6, MD4.1 (MEX), After MEX.
MEX 28 11:22:06.3, 0.6, 15.98N:98.85W, h6km, 15km, MD4.1
IDC 28 11:22:07.5, 4.3, 16.29N:98.67W, h0km, mb3.4/4, mb1 3.7/7, mb1mx3.5/46, mbtmp3.3/7, ML3.1/3, Error ellipse: s-maj=81.1km s-min=18.1km az=8.0

ISC 28 11:22:05.0, 2.1, 16.10N:0.08-98.85W:0.04, h5km, 11km, n35, e243/45, mb3.7/9, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ACX, ACX, ACX, ACX, etc.

NEIC 28 10:32:37.3, 0.0, 45.00S:167.49E, h131km, ML4.2 (WEL), After WEL

WEL 28 10:32:37.2, 45.00S:167.49E, h131km, 8km, South Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MSZ, MSZ, MSZ, MLZ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Yautepac, Universidad Na, Matias Romero, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RAVA, RAVA, RAVA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ROVR, ROVR, ROVR, etc.

CSEM 28 11:24:33.6:0.2:44:85N:11:43E, h2km, ML3.2/5, Error ellipso: s-maj=5.2km s-min=3.3km az=101.0

ROM 28 11:24:32.6:0.0:44:80N:0:001:11:406E:0:003, h8km, ML2.7/36, 1C-7D, Northern Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like T0803, T0803, T0820, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like T0815, T0815, T0818, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SALO, SALO, SALO, etc.





28d 11h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like BARC Barichara, HELC Santa Helena, HELC Santa Helena, etc.

2012 MAY

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like SNAA comp=Z,1.5nm,0.9s, etc.

1796

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like 142A Monroe, Y46A Houston, CPCT Cooper Cave, etc.



28d 11h

Table with columns: Call Sign, Name, Frequency, Power, Mode, SNR, and other technical details. Includes stations like BOSA, H42A, K36A, etc.

2021 MAY

Table with columns: Call Sign, Name, Frequency, Power, Mode, SNR, and other technical details. Includes stations like SWSC, PV05, H33A, etc.

1798

Table with columns: Call Sign, Name, Frequency, Power, Mode, SNR, and other technical details. Includes stations like RSSD, DEWC, EDW2, etc.









28d 13h

Table with columns for station code, name, frequency, power, polarization, and coordinates. Includes stations like MMRI, EDFI, FAKI, etc.

2015 MAY

Table with columns for station code, name, frequency, power, polarization, and coordinates. Includes stations like RABL, LAMP, MORW, etc.

1802

Table with columns for station code, name, frequency, power, polarization, and coordinates. Includes stations like BJT, BJI, BJI, etc.

Table with columns for call sign, frequency, mode, and other details. Includes stations like DGZ, TARG, KSH, PRZ, MK01, etc.

Table with columns for call sign, frequency, mode, and other details. Includes stations like SEY, WSAR, GEYT, TIXI, etc.

Table with columns for call sign, frequency, mode, and other details. Includes stations like TGL, EGAK, AKASO, ARAO, etc.

28d 14h

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like G35A Watkins, F36A Milaca, H35A Sunnyde, etc.

2012 MAY

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like S43A Fulton Ridge, PLVO Plevna, Q45A Warren Harvey, etc.

1804

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like VCA IPOC Station P, AGUA GUANDACOP, MNYM Minye Minye, etc.

2012 MAY

UCR 28 14:19:25.1±1.9, 12:12N:86:85W, h76km±11km, MD4.2,

Table with columns: Code, Station Name, Δ° AZ', Phase ID, ISC, Time, Res. Includes stations like COPN Copaltepe, CNGN Cerro Negro, MOME Motomombo, etc.

ISK 28 14:26:17.6, 37:20N:28:59E, h5km, ML2.6/5

ISCJB 28 14:26:19.0±2.4, 37:19N:0.03±28.62E±0.03, h0km, Error ellipse: s-maj=5.9km s-min=3.5km az=156.7

DDA 28 14:26:18.6, 37:17N:28.62E, h7km, ML2.7, Suspected Mining explosion.

CSEM 28 14:26:19.1±0.3, 37:22N:28.62E, h1km, ML2.7, Error ellipse: s-maj=5.9km s-min=5.1km az=114.0, Suspected Mining explosion.

ISC 28 14:26:18.6±0.8, 37:21N:0.02±28.61E±0.02, h0km, n32, c075/47, Turkey

Large table listing seismic stations and their data for the Turkey region, including stations like TURN Turunc, TURUN Turunc, DALY Dalyan, etc.

NIED 28 14:39:04.0±0.5, 38:51N:144:84E, h0km, mb4.4/31

mb1 4.5/30, mb1mx4-4.72, mbtmp4 4.38, ML3.9,7, MS3.6/30, Ms1 3.6/30, ms1mx3-4.83, Error ellipse: s-maj=13.7km s-min=11.5km az=141.0

JMC 28 14:39:07.0±0.2, 38:51N:144:84E, h46km, M4.5

NEIC 28 14:39:08.8±0.2, 38:57N:144:67E, h25km±7km, mb4.7/99, Error ellipse: s-maj=3.9km s-min=2.8km az=143.0

ISCJB 28 14:39:08.0±0.2, 38:64N:0.03±144:58E±0.02, h43km,

mb4.6/146, MS3.7/30, Error ellipse: s-maj=3.8km s-min=2.4km az=165.0

BUI 28 14:39:09.1, 38:82N:144:21E, h10km, mb4.7/44, mB5.0/26,

Ms4.2/26, Ms7.4/0.22

MOS 28 14:39:09.6±1.1, 38:83N:144:60E, h33km, mb4.8/65, Error

ellipse: s-maj=6.8km s-min=4.3km az=119.9

ISC 28 14:39:10.9±0.4, 38:83N:0.04±144:76E±0.05, h43km, n354,

c1886/361, mb4.6/151, MS3.7/30, 11C-13D, Off east coast of Honshu

Table listing seismic stations and their data for the Honshu region, including stations like OFUJ Ofunato, OFUJ Miyakonagasawa, JTH Tanohata, etc.

Main table listing seismic events (JTKR, GRPR, YUK, LAGR, etc.) with columns for station name, magnitude, time, location, and other parameters.

Table listing seismic events (PETK, ZEA, MA2, TIA, CLNS, SEY, etc.) with columns for station name, magnitude, time, location, and other parameters.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GRFO Grafenberg, PPT Papeete, SCHO Schefferville, etc.

ISCJB 28 14:44:07.9:0.5:9.5N:0.1:40.54W:0.08, h10km, mb4.0/17, MS3.3/11, Error ellipse: s-maj=15.5km s-min=11.1km az=161.8

ISC 28 14:44:08.2:0.8:9.54N:40.52W, h0km, mb3.9/11, mb1.4/11, mb1mx3.8/63, mbtmp3.9/11, MS3.3/11, Ms1.3/4/11, ms1mx0.5/59, Error ellipse: s-maj=25.8km s-min=19.4km az=136.0

NEIC 28 14:44:09.5:0.3:9.49N:40.52W, h10km, mb4.4/10, Error ellipse: s-maj=10.8km s-min=7.3km az=169.0

ISC 28 14:44:09.6:0.7:9.5N:0.1:40.5W:0.10, h10km, n41, o553/26, mb4.1/17, MS3.3/11, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HO5S1 Guadeloupe/Mar, PTGA Pitinga, PTGA Pitinga, etc.

ISC 28 14:44:34.8:2.1:6.62S:128.43E, h0km, mb3.6/1, mb1.3/4/3, mb1mx3.1/56, mbtmp3.3/3, ML3.0/2, Error ellipse: s-maj=123.1km s-min=32.2km az=66.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, etc.

ASAR Alice Springs 17.74 163 P Pn 14 48 43.6 +0.2
MKAR Makanchi Array 60.7 327 P P 14 55 30.0 0.0
...
ISC 28 15:06:28.1:1.4:38.56N:144.83E, h0km, mb3.7/4, mb1.3/9/7, mb1mx3.5/72, mbtmp3.8/7, ML3.4/3, Error ellipse: s-maj=38.2km s-min=21.3km az=88.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SFK Sufi-Kurgan, SFK Sufi-Kurgan, etc.

ISC 28 15:06:30.2:1.1:38.63N:144.74E:0.09, h29km, n29, o133/43, mb3.8/4, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like OFUJ Ofunato, OFUJ Ofunato, etc.

ISC 28 15:08:11.9:3.4:36.48N:71.07E, h70km, 29km, mb3.6/8, mb1.3/8/15, mb1mx3.4/75, mbtmp4.0/15, ML3.9/7, MS3.6/1, Ms1.3/6/1, ms1mx2.3/62, Error ellipse: s-maj=28.1km s-min=18.7km az=18.0

ISCJB 28 15:08:12.8:0.5:36.56N:0.03:71.17E:0.06, h100km, mb3.8/9, Error ellipse: s-maj=7.0km s-min=3.8km az=159.0

NEIC 28 15:08:16.4:0.6:36.78N:71.21E, h104km, 6km, mb4.3/2, Error ellipse: s-maj=8.7km s-min=6.9km az=100.0

NIC 28 15:08:16.3:6.6:37.21N:70.58E, h0km, mb4.5, mpv4.1, Error ellipse: s-maj=51.7km s-min=43.4km az=158.0

ISC 28 15:08:14.0:0.7:36.60N:0.06:71.08E:0.07, h100km, n61, o184/65, mb3.7/9, 3C-6D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KBL Kabul, NIL Nilore, SFK Sufi-Kurgan, etc.

AAK Ala-Archa 6.58 23 P Pn 15 09 48.8 +0.5
AAK Ala-Archa 6.58 23 P Sn 15 11 00.5 -1.4
...
ISC 28 15:26:46.5:0.6:43.61N:0.03:45.09E:0.04, h11km, 3km, Error ellipse: s-maj=5.8km s-min=3.3km az=38.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AAK Ala-Archa, AAK Ala-Archa, etc.

MOS 28 15:26:47.9:1.1:43.52N:44.96E, h16km, mb4.1/1, Error ellipse: s-maj=7.5km s-min=6.8km az=117.9

CSEM 28 15:26:47.3:0.3:43.59N:45.02E, h15km, mb4.1, Error ellipse: s-maj=6.0km s-min=3.3km az=31.0

TIF 28 15:26:47.9:43.51N:45.03E, h35km, 4km

ISC 28 15:26:47.8:1.0:43.55N:0.03:45.03E:0.02, h14km, 8km, n53, o69/88, 7C-4D, Eastern Caucasus

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AAK Ala-Archa, AAK Ala-Archa, etc.

DJA 28 15:24:34.8:0.9:7.53S:105.05E, h10km, M3.7/6, MLV3.7/6, Jawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CGJ Cibinong, CGJ Cibinong, etc.



28d 15h

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like TRKR Terskaya, BTKR Batakoyurt, etc.

NEIC 28 15:35:56.0-0.0, 15.98N-95.11W, h108km, MD4.0(MEX), After MEX.

MEX 28 15:35:55.0-0.0, 15.95N-95.12W, h114km, 8km, MD4.1, Near coast of Oaxaca

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like HUIG Huatulco, PCIG Huatulco, etc.

IDC 28 15:39:44.2-2.4, 25.26S-179.99E, h466km, 24km, mb3.8/18, mb1.3/8/21, mb1mx3.6/41, mbmta6.6/21, Error ellipse: s-maj=19.0km s-min=11.9km az=80.0

ISCJCB 28 15:39:45.9-0.0, 25.22S-179.99E-0.07, h501km, mb4.5/47, Error ellipse: s-maj=8.1km s-min=4.0km az=178.6

NEIC 28 15:39:45.9-0.0, 25.28S-179.97E, h492km, 9km, mb4.9/35, Error ellipse: s-maj=8.9km s-min=6.8km az=79.0

ISC 28 15:39:46.7-0.4, 25.21S-180.06E-0.07, h501km, n150.1/160/165, mb4.6/47, 1C-2D, South of Fiji Islands

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like OUZ Omahuta, MXZ Matakaoa Point, etc.

2012 MAY

Table with columns: PRRZ, Plateau Road, 13.60 192 P, 15 42 43.4 -1.5, etc. Lists various stations and their coordinates.

OTT 28 15:40:45.8-0.7, 76.51N-111.32W, h18km, ML3.9/7, 21km east from Mould Bay, Nt Sverdrup Seismic Zone, Queen Elizabeth Islands

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like RES Resolute Bay, CB31 Cambridge Bay, etc.

1808

Table with columns: KMI, comp=Z, 130nm, 4.1s, 89.94 280 eP, 15 51 52.1 -0.4, etc. Lists stations like CM01 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

OTT 28 15:40:45.8-0.7, 76.51N-111.32W, h18km, ML3.9/7, 21km east from Mould Bay, Nt Sverdrup Seismic Zone, Queen Elizabeth Islands

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like RES Resolute Bay, CB31 Cambridge Bay, etc.

Table with columns: MCMN, SEDN, comp, Z, 3.5nm, 0.7s, SN, Pn, 15 46 41.2, -14, 15 44 11.8, -3.6, 15 44 16.7, 15 46 45.7, -14

TIR 28 15:44:03.9, 37.69N, 22:05E, h7km, Md4.6, 2012
IDC 28 15:44:11.4, 0.5, 38.00N, 21:53E, h9km, mb4.3/27, mb1.4/3/33, mb1mx4.2/65, mbtmp4.2/33, ML4.1/5, MS3.4/15, Ms1.3/4/15, ms1mx3.1/70, Error ellipse: s-maj=13.0km s-min=1.0km az=156.0

ISCJB 28 15:44:12.9, 0.2, 37.99N, 21:49E, 0.01, h20km, 1km, mb4.3/60, MS3.4/11, Error ellipse: s-maj=2.3km s-min=1.7km az=32.1
CSEM 28 15:44:12.9, 0.1, 37.99N, 21:54E, h10km, mb4.5/43, Error ellipse: s-maj=2.6km s-min=2.0km az=34.0

NEIC 28 15:44:12.7, 0.4, 38.01N, 21:54E, h8km, 2km, mb4.6/24, ML4.3(TH), Error ellipse: s-maj=3.5km s-min=2.8km az=206.0
NEIC Felt at Pelopion.
ATH 28 15:44:12.7, 37.99N, 21:55E, h19km, 2km, ML4.3/22, Error ellipse: s-maj=2.3km s-min=0.6km az=351.0

Main table for station 1809, listing station names, coordinates, and various parameters like RLS, DRO, VITINEIKA, etc.

Main table for station 28, listing station names, coordinates, and various parameters like VLS, Valsamata, Ithomi, etc.

Main table for station 28d 15h, listing station names, coordinates, and various parameters like ATH, Athens Observa, etc.

Table with columns for call sign, name, frequency, mode, and other technical details. Includes stations like AQU, BZU, ARR, UDBI, VOIR, etc.

Table with columns for call sign, name, frequency, mode, and other technical details. Includes stations like PRA, UPR, SENIN, AKASA, ASF, EIL, BRG, etc.

Table with columns for call sign, name, frequency, mode, and other technical details. Includes stations like NBOOO, EKA, ESK, NCR303, NCR204, RAYN, etc.











Table with columns: Name, Time, Status, and other details. Includes entries like PAGR Antelope Grade, QLMT Earthquake Lak, H08N1 Diego Garcia H, etc.

Table with columns: Name, Time, Status, and other details. Includes entries like DUG Dugway, TIRR Tirusor, VRI Plostina, etc.

Table with columns: Name, Time, Status, and other details. Includes entries like DPC Dobruska-Polom, DPC Dobruska-Polom, BAR Barrett, etc.

28d 16h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like SOP Sopron, E31A Nome, 113A Mohater Valley, etc.

2012 MAY

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like PVY Plav, OZLJ Ozalj, KOMK Kolasin, etc.

1816

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like F40A Park Falls, 121A Cookes Peak, G39A Holcombe, etc.

Table with columns for station ID, name, coordinates, and time. Includes stations like P39B Salisbury, LP1G La Paz, L44A Lake County, Q39A Willow Grove, WMOK Wichita Mounta, WMOK Wichita Mounta, WMOK Wichita Mounta, N40A Yates City, N42A Paris, M43A Waltham Townsh, R38A Fenwick Farm, O41A Passleys Farm, P41A Barry, Barry, Q40A Laux Farm, Aux, R39A Chumby, Stover, M44A Midewin, Midew, S38A Stockton, HD1L Hopedale, T38A Diamond, S39A Bolivar, TX31 Lajitas Ar. Si, TX31 Lajitas Arroy, TXAR comp=2.0,3nm,0.5s, baz=299,slow=3.2,SNR=57, PPKKbpc, TUL1 Leonard, TUL1 Leonard, P42A Winchester, R40A Maddies Statio, Q41A Truxton, N44A Piper City, ABTX Abilene, Hawle, ABTX Abilene, Hawle, N45A Kentland, P43A Skaggis, Pawnee, M46A Old House Fiel, T39A Clever, S40A Lebanon, R41A Rosebud, N46A Monticello, H48A Hobbs, O45A Potomac, CCM Cathedral Cave, CCM Cathedral Cave, CCM Cathedral Cave, T40A Mansfield, U39A Green Forest, SFIN Lafayette, SFIN Lafayette, P44A Sand Creek, WI, V39A Pettigrew, S42A Caledonia, U40A Yellville, O47A Sheridan, P46A Rosedale, JCT Junction City, JCT Junction City, JCT Junction City, Q45A Warren Harvey, W39A Magazine, T42A Van Buren, OLIL Olney, X39A Fountain Ranch, MIAR Mount Ida, MIAR Mount Ida, MIAR Mount Ida, S45A Carrier Mills, PQI Presque Isle, O47A Bedford North L, V42A Cord, R46A Gibon Southern, U43A Rector, R47A Woolly Knot Far, ACSO Alum Creek Sta, ACSO Alum Creek Sta, WCI Wyandotte Cave, WCI Wyandotte Cave, WCI Wyandotte Cave, M54A Oil Creek Stat, T46A Princeton, PKME Peaks-Kenny Pk, PKME Peaks-Kenny Pk, N54A Moraine State, S48A Wiedeman Farm.

Table with columns for station ID, name, coordinates, and time. Includes stations like T47A Sharon Grove, KEST Kesra, KEST Kesra, WVT Waverly, V48A Smith Brothers, PBRO Braconia, MVO Moncorvo, POLO Lamas de Dio, ES19 SONSECA Array, ESDC Sonseca Array, ESDC comp=2.0,5nm,0.6s, baz=29,slow=8.1,SNR=7.9, PP, ESDC comp=2.7,2nm,0.9s, baz=28,slow=8.1,SNR=5.0, LR, ESDC comp=2.43nm,18.1s, baz=95,slow=38, LR, PAB San Pablo, PAB San Pablo, PAB San Pablo, PMRV Mar 270, VVDA Vanda, VVDA Vanda, LSZ Lusaka, TOA1 Torodi Ar. Sit, TOA1 Torodi Ar. Sit, TOA0 Torodi Ar. Sit, TOR Torodi Ar. Bea, MAW Mawson, KOWA Kowa, LBTB Lobatse, LBTB Lobatse, BOSA Boshaft, QSPA South Pole Qui, DBIC Dimbokro, DBIC Dimbokro, DBIC Dimbokro, TIC Toundi, KIC Kosan Boka, SDV Santo Domingo, SDV Santo Domingo, TSMU Tsumeb, SNA4 Sanaa, SNA4 Sanaa, VNA2 Neumayer-Watz, VNA3 Neumayer Olymp, VNA1 Neumayer-Stat, SAML Samuel, LPAZ La Paz, LPAZ La Paz, LPAZ La Paz, MNMC Minye Miney, PB11 IPOC Station P, RCBR Riachuelo, RCBR Riachuelo, RCBR Riachuelo, PLCA Paso Flores, CPUP Villa Florida, CPUP Villa Florida, CPUP Villa Florida.

Table with columns for station ID, name, coordinates, and time. Includes stations like MYLDM Lahad Datu, KKM Kota Kinabalu, KKM Kota Kinabalu, KDM Kudat, BATP Bataraza, PPR Puerto Princes, PPR Puerto Princes, SMKI Samarinda, PAGZ Pagadiran, PAGZ Pagadiran, PCI Palu, BKB Balikpapan, ENPP El Nido, ENPP El Nido, SBUM Sibiu, SBUM Sibiu, MTKI Muara Teweh, K GUIM Jordan, GUIM Jordan, BUKP Musuan, BUKP Musuan, BUSP Coron, BUSP Coron, LLP Lapu-Lapu, LLP Lapu-Lapu, TTSI Tana Toraja, TTSI Tana Toraja, RCP Roxas, SJMP San Jose.

Table with columns for station ID, name, coordinates, and time. Includes stations like SJMP Kotabaru, KBKI Sidrap Palu, SP51 Sidrap Palu, LUBP Lubang, LUBP Lubang, KDI Kendari, SANI Sanana, LBMI Labuha, NLAI Namlea, AAI Ambon, MSAI Masohi, SJUI Sorong, WBSI Waikabubak, Su, MYKOM Kota Tinggi, SOEI Soe, BATI Baunata, BATI Baunata, BATI Baunata, FAKI Fak Fak, CISI Cisempet, Garu, IPM Ipoh, KULM Kulim, SKNT Sakalokorn, TPUB Ta-pu, YULB Yu-li, BAKI Biak, SSSL Sianglung, MNSI Mandailing Nat, SRPI Serrip, PSI Prapat, CHAI Chiangkhu, NONG Nongkhai, SISI Sismi, PKBT Pekanbaru, KBCI Aceh, PKBT Sadao Pong, PKBT Sadao Pong, MTN Mantad, NANT Nan, KNRA Kunming, CM01 Chiang Mai Arr, CM01 Chiang Mai Arr, CM01 Chiang Mai Arr, CM01 Chiang Mai Arr, CHTO Chiang Mai, FITO Chiang Mai, FITO Chiang Mai, CMAI Chiengmai2, ENH Enshi, GUMO Guam, WRA Warrungga Arr, WRA Warrungga Arr, JNU Naksute, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, AS01 Alice Springs, QIS Mount Isa, KS15 Wonju Array 5, KSAR Wonju Array Be, KSRS Korea Array, KSRS Korea Array, MAJO Matsushiro, MAJO Matsushiro Arr, PALK Pallek, JIRN Jirin, GTA Gaotai, GTA Gaotai, GTA Gaotai, GUN Gunb, PKI Pulchoki, PKIN Pulchoki, KKN Kakani, GKN Gorkha, QLP Qulipi, KOLN Koldanda, DANN Dangsing, DANN Plutha, MDJ Mudanjang, USRK Ussuriysk Arr, BBOO Buclelebo, BBOO Buclelebo, STKA Stephens Creek, STKA Stephens Creek, HTT Hallett, ULN Ulanbatar, SONAO Songino Array, SONAO Songino Array, SONM Songino Arr, SONM Songino Array, CMSA Cobar Meteorol, KLR Kul'dur, ARPS Mount Arapiles, NLY Talaya, TNL Nilore, MK01 Makanchi Array, MK01 Makanchi Array, MK32 Makanchi Array, MKAR Makanchi Array.

28d 17h

Table with columns: Call Sign, Station Name, Frequency, Band, Mode, Azimuth, Elevation, and other parameters. Includes stations like MKAR, AAK, DZM, ZALV, etc.

ISJCJB 28 16:47:53.0±0.5, 9.5N, 101.4±0.053W, 0.09, h10km, mb4.2/14, MS3.3/10, Error ellipse: s-maj=18.7km s-min=12.6km az=5.0

NEIC 28 16:47:55.3±0.4, 9.50N, 101.53W, h10km, mb4.6/7, Error ellipse: s-maj=14.8km s-min=10.1km az=184.0

ISC 28 16:47:55.3±0.6, 9.5N, 101.4±0.053W, 0.1, h10km, n34, 0.076/20, mb4.2/14, MS3.3/10, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Frequency, Band, Mode, Azimuth, Elevation, and other parameters. Includes stations like H05S1, H05N1, PTGA, etc.

CSEM 28 16:48:30.4±0.2, 44.86N, 11.32E, h8km, ML2.3, Error ellipse: s-maj=6.3km s-min=5.2km az=120.0

ROM 28 16:48:30.2±0.1, 44.860N, 0.002, 11.315E, 0.004, h6km, ML2.3/1, 3C-2D, Northern Italy

Table with columns: Code, Station Name, Frequency, Band, Mode, Azimuth, Elevation, and other parameters. Includes stations like T0822, T0820, T0800, etc.

2012 MAY

Table with columns: Call Sign, Station Name, Frequency, Band, Mode, Azimuth, Elevation, and other parameters. Includes stations like T0802, T0800, T0803, etc.

IDC 28 17:05:02.2±59.0, 22.39S, 177.32W, h0km, mb3.8/3, mb1 4.0/3, mb1mx3.5/49, mbtmp3.8/3, Error ellipse: s-maj=1076.0km s-min=163.8km az=86.0, South of Fiji Islands

Table with columns: Code, Station Name, Frequency, Band, Mode, Azimuth, Elevation, and other parameters. Includes stations like STKA, ASAR, WRA, etc.

SKHL 28 17:15:52.6±0.7, 46.46N, 141.88E, h10km, mb3.6/5, JMA 28 17:15:52.6±0.5, 46.58N, 141.74E, h10km, M2.5

ISCJB 28 17:15:55.1±1.0, 46.51N, 141.74E, h10km, M2.5, Error ellipse: s-maj=13.9km s-min=4.7km az=10.7

ISC 28 17:15:54.9±1.3, 46.49N, 141.9E, 0.1, h14km, n4, 0.085/7, Sakhalin Island

Table with columns: Code, Station Name, Frequency, Band, Mode, Azimuth, Elevation, and other parameters. Includes stations like KHLH, KHLM, YSS, etc.

MEX 28 17:18:50.8±0.9, 16.49N, 97.99W, h16km, 12km, MD3.9, Oaxaca

Table with columns: Code, Station Name, Frequency, Band, Mode, Azimuth, Elevation, and other parameters. Includes stations like VHO, ACX, HUIG, etc.

NIED 28 17:19:00.35±80N, 140.20E, h68km, Mw3.7, Best double couple: M=4.66000, 1014 NP1=167.00000, 827.00000, 1.79.00000, NP2=359.00000, 863.00000, 1.95.00000

IDC 28 17:19:27.0±2.4, 35.78N, 140.41E, h64km, 18km, mb3.6/8, mb1 3.6/12, mb1mx3.3/76, mbtmp3.8/12, Error ellipse: s-maj=34.1km s-min=14.4km az=74.0

ISCJB 28 17:19:27.1±0.5, 35.77N, 140.04E, 15E, 0.06, h75km, 4km, mb3.9/8, Error ellipse: s-maj=8.8km s-min=5.7km az=163

JMA 28 17:19:28.0±0.2, 35.80N, 140.11E, h63km, 2km, M3.5, Broadband fault plane solution: P waves, NP1: 0.2, 0.00000, 867.00000, 8.87.00000, NP2=189.00000, 823.00000, 1.97.00000, Principal axes: T P1g68.00000, Azm266.00000, N P1g3.00000, Azm3.00000, P P1g22.00000, Azm94.00000

JMA Felt J1, ISC 28 17:19:27.7±0.9, 35.77N, 140.04E, 15E, 0.06, h68km, 7km, n30, n1946/33, mb4.0/8, 3C-6D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Frequency, Band, Mode, Azimuth, Elevation, and other parameters. Includes stations like JCN, TOK, JYT, etc.

1818

Table with columns: Call Sign, Station Name, Frequency, Band, Mode, Azimuth, Elevation, and other parameters. Includes stations like H11S1, H11S3, H11S2, etc.

KRSC 28 17:21:18.8±2.4, 50.95N, 158.15E, h48km, 25km, ML4.3, ISCJB 28 17:21:20.8±0.6, 50.96N, 158.04E, 0.06, h53km, 5km, mb3.8/17, MS3.4/1, Error ellipse: s-maj=8.3km s-min=3.8km az=135.8

MOS 28 17:21:20.7±0.9, 50.96N, 157.90E, h57km, mb3.9/5, Error ellipse: s-maj=12.1km s-min=3.5km az=81.4

MOS Felt (I) at Severo-Kuril'sk, SKHL 28 17:21:22.5±1.0, 50.99N, 157.76E, h59km, 7km, mb4.7/4, SKHL Felt (II) at Severo-Kuril'sk

IDC 28 17:21:23.2±2.4, 51.06N, 157.86E, h63km, 20km, mb3.5/15, mb1 3.7/17, mb1mx3.5/80, mbtmp3.8/17, MS3.0/2, Mst1 3.0/2, ms1mx2.4/56, Error ellipse: s-maj=19.3km s-min=11.6km az=140.0

ISC 28 17:21:20.8±0.7, 50.91N, 158.00E, 0.04, h39km, 2km, n127, n158/166, mb3.8/17, 3C-2D, East of Kuril Islands

Table with columns: Code, Station Name, Frequency, Band, Mode, Azimuth, Elevation, and other parameters. Includes stations like KDRTR, PAU, etc.

ASAK Asacha, 1.48 358 eP Pn 17 21 44.6 ±0.2

ASAK Asacha, 1.48 358 eP Sn 17 21 44.6 ±0.2

Russkaya, 1.56 12 eS Sn 17 21 47.1 ±1.2

Russkaya, 1.56 12 eS Sn 17 21 44.9 ±1.0

Malaya Ipe'l'ka, 1.57 331 eP Sn 17 21 46.1 ±0.0

Malaya Ipe'l'ka, 1.57 331 eP Sn 17 21 46.1 ±0.0

Mutnovka, 1.58 4 eP Sn 17 21 46.0 ±0.3

Mutnovka, 1.58 4 eP Sn 17 21 46.0 ±0.3

Gorelyy, 1.64 1 eP Sn 17 21 47.3 ±0.1

Gorelyy, 1.64 1 eP Sn 17 21 47.3 ±0.1

Karymshinskiy, 1.92 2 eP Sn 17 21 51.3 ±0.4

Karymshinskiy, 1.92 2 eP Sn 17 21 51.3 ±0.4

Apacha, 2.08 346 eP Sn 17 22 14.4 ±0.6

Apacha, 2.08 346 eP Sn 17 22 14.4 ±0.6

Petropavlovsk, 2.15 10 eP Sn 17 21 54.0 ±0.1

Petropavlovsk, 2.15 10 eP Sn 17 21 54.0 ±0.1

Apacha, 2.15 10 eP Sn 17 22 15.3 ±0.1

Petropavlovsk, 2.15 10 eP Sn 17 21 53.9 ±0.1

Dalny, 2.17 12 eP Sn 17 22 18.3 ±1.2

Dalny, 2.17 12 eP Sn 17 22 18.3 ±1.2

Petropavlovsk, 2.21 355 eP Sn 17 21 55.2 ±0.3

Petropavlovsk, 2.21 355 eP Sn 17 21 55.2 ±0.3

Uglovaya, 2.36 12 eP Sn 17 21 58.0 ±1.0

Uglovaya, 2.36 12 eP Sn 17 21 58.0 ±1.0

Avacha, 2.40 11 eP Sn 17 21 58.6 ±1.1

Avacha, 2.40 11 eP Sn 17 21 58.6 ±1.1

Somma, 2.41 11 eP Sn 17 21 58.6 ±0.8

Somma, 2.41 11 eP Sn 17 21 58.6 ±0.8







Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CHOS Chios island, DION Dionisos Attik, PTL Penteli, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

ISCJ 28 20:56:09.7-20.0, 23:67S, 179.48W, h403km, 186km, mb3.5/5, mb1.3, 6/5, mb1mx3.1/46, mbtmp4.3/5, Error ellipse: s-maj=101.1km s-min=32.7km az=74.0.

ISCJ 28 20:56:21.8-3.7, 23:75S, 0.5-180.0E, 0.5, h536km, mb3.8/5, Error ellipse: s-maj=79.4km s-min=39.5km az=138.2.

ISC 28 20:56:23.2-1.4, 23:83S, 0.3-180.0E, 0.3, h536km, n11, c068/10, mb3.9/5, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, etc.

BUJ 28 21:00:42.0, 39:79N, 118:48E, h7km, ML3.6/10, 1C, Northeastern China

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DL2 Dalian, DL2 Dalian, DL2 Dalian, etc.

KRSC 28 21:20:14.2-1.3, 49:38N, 155:27E, h323km, 12km, ML3.7, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KDTR Khodutka, RUS Russkaya, RUS Russkaya, etc.

ISC 28 21:22:11.4-1.0, 6:72N, 126:85E, h0km, mb3.6/6, mb1.3, 7/6, mb1mx3.6/63, mbtmp3.6/6, MS2.6/1, Ms1 2.6/1, m1mx2.1/51, Error ellipse: s-maj=61.7km s-min=20.0km az=69.0.

MAN 28 21:22:23.5, 7:11N, 126:61E, h1km, mb4.3, ML3.1, MS2.9

ISC 28 21:24:3.2-4.6, 6:70N, 108:127E, 0.1, h15km, 13km, n13, c198/17, mb3.6/6, 3D, Philippine Islands Region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MATI Mati, DMPH Davao City, BIFB Bislig, etc.

CSEM 28 21:25:28.2-0.2, 43:14N, 0:46W, h5km, ML1.8, Error ellipse: s-maj=6.3km s-min=2.0km az=10.0.

LDG 28 21:25:28.6, 0.2, 43:14N, 0:47W, h2km, Md1.7/3, Error ellipse: s-maj=5.7km s-min=2.1km az=11.0.

STR 28 21:25:29.5-0.4, 43:16N, 0:45W, h5km, M1.8/1, MLV1.8/1

MDD 28 21:25:28.7-0.6, 43:11N, 0:47W, h10km, 14km, mbLg1.5/8, Error ellipse: s-maj=9.9km s-min=3.0km az=12.0.

PRXIMO, Pyrenees

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like REYF Montagne du Re, REYF Montagne du Re, ATE Arette, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LARF Larrau, VIEF Vief, VIEF Vief, etc.

LDG 28 21:27:46.8-0.1, 44:85N, 11:35E, h2km, M3.4/27, Error ellipse: s-maj=2.5km s-min=2.4km az=56.0.

ISCJ 28 21:27:46.9-0.0, 44:82N, 0:02-11:20E, 0:02, h19km, 1km, Error ellipse: s-maj=2.2km s-min=2.0km az=161.2.

ROM 28 21:27:46.9-0.0, 44:839N, 0:00-11:22E, 0:01, h9km, ML3.3/68

IASPEI 28 21:27:46.8-0.0, 44:86N, 0:02-11:22E, 0:02, h16km, 4km, Error ellipse: s-maj=2.7km s-min=2.6km az=123.1, 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, <Seism. Res. Lett., <b>80</b>, 465-472, 2009

CSEM 28 21:27:47.1-0.1, 44:88N, 11:24E, h10km, ML3.4/17, Error ellipse: s-maj=2.8km s-min=2.2km az=146.0.

PRU 28 21:27:50.8, 44:85N, 11:51E, h31km

STR 28 21:27:50.3, 0.1, 45:15N, 5:1E, h10km, M3.4/6, mb3.2/3, Fontmartina

ISC 28 21:27:46.7-0.0, 44:87N, 0:02-11:22E, 0:01, h17km, 3km, n280, c196/327, 13C-36D, Northeast Italy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like T0813 Massa Finale, T0813 Massa Finale, T0813 Massa Finale, etc.

comp=N, 89800um, 0.4s

comp=N, 89650um, 0.4s

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAVA Ravarino, RAVA Ravarino, RAVA Ravarino, etc.





28th 21hr

Table with columns: LMR, La Moure, SNR, ePn, Pn, 21 28 44.4 +1.0, etc. Lists various stations and their frequencies.

2012 MAY

Table with columns: VYHS, Humbligny, eS, S, 21 30 27.6 -4.5, etc. Lists stations and their frequencies.

ISCJB 28 21:47:09.0.1.0, 19:99S:0:02:175:98W, h219km, mb5.4/371, Error ellipse: s-maj=3.1km s-min=1.9km az=40.6

NEIC 28 21:47:09.4.0.5, 19:96S:175:98W, h211km, 4km, m5.3/236, MW5.8, MW5.9, Error ellipse: s-maj=3.8km s-min=2.6km az=141.0, Moment Tensor Solution. s41 Moment tensor: Scale 10^17Nm; Mr=1.88; Mth=0.58; Mtt=1.30; Mbb=0.83; Mtt=2.45; Mtr=6.54; Best double couple: M=7.20000\*10^17 NP1:ph:9.00000, dse:0.00000, lambda:108.00000, NP2:ph:255.00000, dse:0.00000, lambda:25.00000, Principal axes: T: 7.33000, Plg34.00000, Azm115.00000; N:-0.21000, Plg18.00000, Azm12.00000; P:-7.13000, Plg50.00000, Azm259.00000

NEIC Felt at Neiafu and Nukualofa. GCMT 28 21:47:09.4.0.1, 20:03S:175:51W, h212km, MW5.9/148, Moment Tensor Solution. s139.c284; s148.c461; Duration: 2s2 Moment tensor: Scale 10^17Nm; Mr=0.02+0.05; Mth=0.60+0.07; Mtt=0.61+0.06; Mtr=1.35+0.05; Mbb=5.67+0.06; Mtr=6.80+0.05; Best double couple: M=8.85700\*10^17 NP1:ph:180.00000, dse:0.00000, lambda:108.00000, NP2:ph:271.00000, dse:0.00000, lambda:1.00000, Principal axes: T: 9.7010, Plg33.00000, Azm123.00000; N: 6890, Plg40.00000, Azm10.00000, D:-8.0130, Plg32.00000, Azm238.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.

IDC 28 21:47:09.5.0.5, 19:97S:175:88W, h213km, 4km, mb5.0/41, mb1.5/41, mb1mxs.0/41, mbtmp5.5/41 Error ellipse: s-maj=7.7km s-min=6.6km az=154.0

Bull 28 21:47:10.2, 19:57S:175:98W, h217km, mb5.3/65, mb5.4/54

NEIC 28 21:47:11.0.0.0, 19:96S:175:79W, h210km, Moment Tensor Solution. s17 Moment tensor: Scale 10^17Nm; Mr=0.32; Mth=1.15; Mtt=0.83; Mtr=0.20; Mbb=6.29; Best double couple: M=8.10000\*10^17 NP1:ph:0.00000, dse:0.00000, lambda:129.00000, NP2:ph:274.00000, dse:0.00000, lambda:2.00000, Principal axes: T: 9.90000, Plg31.00000, Azm127.00000; N: 0.38000, Plg38.00000, Azm6.00000; P: -8.27000, Plg34.00000, Azm242.00000

MOS 28 21:47:12.5.1.0, 19:87S:176:05W, h246km, mb5.3/57, MS4.5/4 Error ellipse: s-maj=7.5km s-min=6.9km az=71.2

NEIC 28 21:47:33.2.0.0, 19:54S:175:60W, h239km, Moment Tensor Solution. s35 Moment tensor: Scale 10^17Nm; Mr=1.31; Mth=1.04; Mtt=2.34; Mtr=0.72; Mbb=5.35; Mtr=6.20; Best double couple: M=8.30000\*10^17 NP1:ph:355.00000, dse:0.00000, lambda:32.00000, NP2:ph:282.00000, dse:0.00000, lambda:840.00000, Principal axes: T: 9.24000, Plg29.00000, Azm119.00000; N:-1.86000, Plg40.00000, Azm2.00000; P:-7.30000, Plg37.00000, Azm234.00000

ISC 28 21:47:09.4.0.3, 20:04S:0:03:175:81W, 0.03, h215km, 2km, h216km; PP-P, N1238, 1r955/1400, mb5.4/371, 64C-96D, Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, Res. Lists station codes and their frequencies.

1824

Table with columns: MUGZ, Murupara, 19.47 198 P, P, 21 51 19.1 -0.8, etc. Lists stations and their frequencies.

1825

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MILA, RABL, CTAO, etc.

2012 MAY

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like SOEI, VNSA, LBMI, etc.

28d 21h

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like KUR, JNU, STKI, etc.



28d 21h

Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like PFO Pinyon Flats O, BLSI Bandar Lampung, SWSC Sam W. Stewart, etc.

2012 MAY

Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like I03D Drain, NEE2 Needles Airpor, PDMCI Parker Dam,Lak, etc.

1826

Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like MAW Mawson, PGC Sidney, X18A Snowflake, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like Jordanelle, Chrisman Ranch, Barren Site, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like Earthquake Lak, Clear Creek Bu, Snowmass, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like Red Feather La, Red Feather La, SURT, etc.







CRMI	comp=E,308µm,0.5s	AML	AML						
<b>MAIM</b>	<b>Mastiano</b>	1.08 211	AML	AML					
MAIM	comp=N,356µm,0.7s		AML	AML					
MAIM	comp=E,325µm,0.6s		AML	AML					
MAIM	comp=N,356µm,0.7s		AML	AML					
MAIM	comp=N,356µm,0.7s		AML	AML					
MAIM	comp=E,325µm,0.6s		AML	AML					
<b>CGRP</b>	<b>Cima Grappa</b>	1.10 20j	ePg	Pg	22 04 08.6	-0.1			
<b>CGRP</b>	<b>Cima Grappa</b>	1.10 20	eSg	Sg	22 04 24.8	+1.0			
<b>CGRP</b>	<b>Cima Grappa</b>	1.10 20	eP	Pg	22 04 08.5	-0.2			
<b>CGRP</b>	<b>Cima Grappa</b>	1.10 20	eS	Sg	22 04 24.3	+0.5			
<b>CGRP</b>	<b>Cima Grappa</b>	1.10 20	eP	Pg	22 04 08.5	-0.2			
CGRP	comp=E,344µm,0.7s		AML	AML					
CGRP	comp=N,382µm,0.4s		AML	AML					
CGRP	comp=E,344µm,0.7s		AML	AML					
CGRP	comp=N,382µm,0.4s		AML	AML					
CGRP	comp=N,382µm,0.4s		AML	AML					
CGRP	comp=N,382µm,0.4s		AML	AML					
<b>ASQU</b>	<b>Asqua</b>	1.12 160	AML	AML					
ASQU	comp=N,416µm,0.6s		AML	AML					
ASQU	comp=E,471µm,0.5s		AML	AML					
ASQU	comp=N,416µm,0.6s		AML	AML					
ASQU	comp=E,471µm,0.5s		AML	AML					
ASQU	comp=N,416µm,0.6s		AML	AML					
ASQU	comp=N,416µm,0.6s		AML	AML					
<b>MTLO</b>	<b>Montello</b>	1.14 31j	ePg	Pg	22 04 09.4	+0.1			
<b>MTLO</b>	<b>Montello</b>	1.14 31	eSg	Sg	22 04 26.0	+1.7			
<b>MTLO</b>	<b>Montello</b>	1.14 31	eP	Pg	22 04 09.4	+0.1			
<b>MTLO</b>	<b>Montello</b>	1.14 31	eS	Sg	22 04 26.0	+1.7			
<b>CTL8</b>	<b>Castelleone</b>	1.14 293	AML	AML					
CTL8	comp=N,290µm,1.5s		AML	AML					
CTL8	comp=E,892µm,0.4s		AML	AML					
CTL8	comp=N,1545µm,0.7s		AML	AML					
CTL8	comp=E,374µm,0.7s		AML	AML					
CTL8	comp=N,1545µm,0.7s		AML	AML					
CTL8	comp=E,374µm,0.7s		AML	AML					
CTL8	comp=N,1545µm,0.7s		AML	AML					
CTL8	comp=E,374µm,0.7s		AML	AML					
CTL8	comp=N,1545µm,0.7s		AML	AML					
<b>PANI</b>	<b>Panarotta</b>	1.21 3j	ePg	Pn	22 04 09.4	-0.7			
<b>PANI</b>	<b>Panarotta</b>	1.21 3	eP	Pn	22 04 09.4	-0.7			
<b>RNI</b>	<b>Roncone</b>	1.22 339j	ePg	Pn	22 04 09.3	-0.9			
<b>RNI</b>	<b>Roncone</b>	1.22 339	eP	Pn	22 04 09.3	-0.9			
<b>PLMA</b>	<b>Palmaria, Port</b>	1.28 232	AML	AML					
PLMA	comp=E,271µm,0.8s		AML	AML					
PLMA	comp=N,357µm,1.3s		AML	AML					
PLMA	comp=N,357µm,1.3s		AML	AML					
<b>VARN</b>	<b>Col Varnada, M</b>	1.30 27j	ePg	Pb	22 04 11.2	-0.4			
<b>VARN</b>	<b>Col Varnada, M</b>	1.30 27	eSg	Sg	22 04 29.6	+0.3			
<b>VARN</b>	<b>Col Varnada, M</b>	1.30 27	eP	Pb	22 04 11.2	-0.4			
<b>VARN</b>	<b>Col Varnada, M</b>	1.30 27	eS	Sg	22 04 29.6	+0.3			
<b>MABI</b>	<b>Malga Bissina</b>	1.32 337	AML	AML					
MABI	comp=E,137µm,1.2s		AML	AML					
MABI	comp=N,122µm,0.5s		AML	AML					
MABI	comp=N,122µm,0.5s		AML	AML					
MABI	comp=N,122µm,0.5s		AML	AML					
MABI	comp=N,122µm,0.5s		AML	AML					
MABI	comp=N,122µm,0.5s		AML	AML					
<b>MSSA</b>	<b>Maissana</b>	1.35 247	AML	AML					
MSSA	comp=N,438µm,0.8s		AML	AML					
MSSA	comp=E,245µm,1.0s		AML	AML					
MSSA	comp=N,438µm,0.8s		AML	AML					
MSSA	comp=N,438µm,0.8s		AML	AML					
<b>PARC</b>	<b>Parchiule</b>	1.39 149	AML	AML					
PARC	comp=E,245µm,1.0s		AML	AML					
PARC	comp=N,173µm,0.4s		AML	AML					
PARC	comp=E,158µm,0.9s		AML	AML					
PARC	comp=N,173µm,0.4s		AML	AML					
<b>POLC</b>	<b>Polcenigo</b>	1.47 36	AML	AML					
POLC	comp=N,362µm,0.3s		AML	AML					
POLC	comp=N,362µm,0.3s		AML	AML					
POLC	comp=N,362µm,0.3s		AML	AML					
POLC	comp=N,362µm,0.3s		AML	AML					
POLC	comp=N,362µm,0.3s		AML	AML					
<b>AGOR</b>	<b>Agordo</b>	1.54 21	AML	AML					
AGOR	comp=N,214µm,0.4s		AML	AML					
AGOR	comp=N,214µm,0.4s		AML	AML					
AGOR	comp=N,214µm,0.4s		AML	AML					
AGOR	comp=N,214µm,0.4s		AML	AML					
AGOR	comp=N,214µm,0.4s		AML	AML					
<b>ATMC</b>	<b>Monte Cedrone</b>	1.55 154	AML	AML					
ATMC	comp=N,246µm,0.5s		AML	AML					
ATMC	comp=N,246µm,0.5s		AML	AML					
ATMC	comp=N,246µm,0.5s		AML	AML					
ATMC	comp=N,246µm,0.5s		AML	AML					
ATMC	comp=N,246µm,0.5s		AML	AML					
<b>OZOL</b>	<b>Ozolo</b>	1.57 355	ePg	Pn	22 04 15.0	+0.1			
<b>OZOL</b>	<b>Ozolo</b>	1.57 355	eP	Pn	22 04 15.0	+0.1			
<b>CAFI</b>	<b>Castiglione Fio</b>	1.60 161	AML	AML					
CAFI	comp=N,129µm,0.7s		AML	AML					
CAFI	comp=N,129µm,0.7s		AML	AML					
CAFI	comp=N,129µm,0.7s		AML	AML					
CAFI	comp=N,129µm,0.7s		AML	AML					
CAFI	comp=N,129µm,0.7s		AML	AML					
<b>PIEIA</b>	<b>Pieia</b>	1.60 144	AML	AML					
PIEIA	comp=N,127µm,0.6s		AML	AML					
PIEIA	comp=N,127µm,0.6s		AML	AML					
PIEIA	comp=N,127µm,0.6s		AML	AML					
PIEIA	comp=N,127µm,0.6s		AML	AML					
PIEIA	comp=N,127µm,0.6s		AML	AML					
<b>KOSI</b>	<b>Kohlern</b>	1.62 3	AML	AML					
KOSI	comp=N,127µm,0.6s		AML	AML					
KOSI	comp=N,266µm,1.2s		AML	AML					
KOSI	comp=N,266µm,1.2s		AML	AML					
KOSI	comp=N,266µm,1.2s		AML	AML					
KOSI	comp=N,266µm,1.2s		AML	AML					
KOSI	comp=N,266µm,1.2s		AML	AML					
<b>ATPI</b>	<b>Pietralunga</b>	1.62 149	AML	AML					
ATPI	comp=N,266µm,1.2s		AML	AML					
ATPI	comp=N,127µm,0.5s		AML	AML					

ATPI	comp=E,97µm,0.5s	AML	AML						
ATPI	comp=N,127µm,0.5s	AML	AML						
ATPI	comp=N,127µm,0.5s	AML	AML						
<b>CARE</b>	<b>Lago dei Cares</b>	1.63 346	ePg	Pn	22 04 16.0	+0.1			
<b>CARE</b>	<b>Lago dei Cares</b>	1.63 346	eP	Pn	22 04 16.0	+0.1			
<b>MPAG</b>	<b>Monte Paganuc</b>	1.63 138	AML	AML					
MPAG	comp=N,168µm,1.2s		AML	AML					
MPAG	comp=E,134µm,0.3s		AML	AML					
MPAG	comp=N,168µm,1.2s		AML	AML					
<b>APPI</b>	<b>Appiano</b>	1.63 359	AML	AML					
APPI	comp=E,404µm,1.3s		AML	AML					
APPI	comp=N,314µm,0.4s		AML	AML					
APPI	comp=N,314µm,0.4s		AML	AML					
APPI	comp=N,314µm,0.4s		AML	AML					
APPI	comp=N,314µm,0.4s		AML	AML					
APPI	comp=N,314µm,0.4s		AML	AML					
<b>ATBU</b>	<b>Serra di Buran</b>	1.66 145	AML	AML					
ATBU	comp=N,380µm,0.5s		AML	AML					
ATBU	comp=N,380µm,0.5s		AML	AML					
<b>ATVO</b>	<b>AVT- Monte Val</b>	1.68 150	AML	AML					
ATVO	comp=N,238µm,0.7s		AML	AML					
ATVO	comp=N,238µm,0.7s		AML	AML					
ATVO	comp=N,144µm,1.2s		AML	AML					
ATVO	comp=N,144µm,1.2s		AML	AML					
<b>STAL</b>	<b>STALGIAL</b>	1.75 35	AML	AML					
STAL	comp=N,206µm,0.3s		AML	AML					
STAL	comp=N,206µm,0.3s		AML	AML					
STAL	comp=N,206µm,0.3s		AML	AML					
STAL	comp=N,206µm,0.3s		AML	AML					
STAL	comp=N,206µm,0.3s		AML	AML					
<b>ARVD</b>	<b>Arcevia</b>	1.81 137	AML	AML					
ARVD	comp=N,206µm,0.3s		AML	AML					
ARVD	comp=N,206µm,0.3s		AML	AML					
ARVD	comp=N,206µm,0.3s		AML	AML					
ARVD	comp=N,206µm,0.3s		AML	AML					
ARVD	comp=N,206µm,0.3s		AML	AML					
<b>MOSI</b>	<b>Grossmontoni</b>	1.84 345	AML	AML					
MOSI	comp=N,622µm,0.9s		AML	AML					
MOSI	comp=N,622µm,0.9s		AML	AML					
MOSI	comp=N,622µm,0.9s		AML	AML					
MOSI	comp=N,622µm,0.9s		AML	AML					
MOSI	comp=N,622µm,0.9s		AML	AML					
<b>ABSI</b>	<b>Aberstueck</b>	1.88 1	AML	AML					
ABSI	comp=N,394µm,0.7s		AML	AML					
ABSI	comp=N,394µm,0.7s		AML	AML					
<b>ATCC</b>	<b>AVT- Casa Cast</b>	1.94 148	AML	AML					
ATCC	comp=N,163µm,0.7s		AML	AML					
ATCC	comp=N,163µm,0.7s		AML	AML					
ATCC	comp=N,156µm,0.5s		AML	AML					
ATCC	comp=N,156µm,0.5s		AML	AML					
<b>SABO</b>	<b>Mte Sabotino</b>	2.01 55	AML	AML					
SABO	comp=N,139µm,0.6s		AML	AML					
SABO	comp=N,139µm,0.6s		AML	AML					
SABO	comp=N,208µm,0.8s		AML	AML					
SABO	comp=N,208µm,0.8s		AML	AML					
<b>MGAB</b>	<b>Montegabbione</b>	2.03 162	AML	AML					
MGAB	comp=N,114µm,0.5s		AML	AML					
MGAB	comp=N,114µm,0.5s		AML	AML					
MGAB	comp=N,114µm,0.5s		AML	AML					
MGAB	comp=N,114µm,0.5s		AML	AML					
MGAB	comp=N,114µm,0.5s		AML	AML					
<b>CASP</b>	<b>Castiglione de</b>	2.07 188	AML	AML					
CASP	comp=N,34µm,1.1s		AML	AML					
CASP	comp=N,34µm,1.1s		AML	AML					
CASP	comp=N,34µm,1.1s		AML	AML					
CASP	comp=N,34µ								



Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CESI, NRCA, CRMI, and various other seismic stations.

KRSC 28 22:24:09.7±1.6, 53.81°N, 168.23°E, h16km, 38km, ML3.8, Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BKI, MKZ, KZV, SPN, etc.

ISCJB 28 22:27:24.0±0.6, 4.52S, 0.07x151.8E, 0.1, h153km, mb3.9/15, Error ellipse: s-maj=16.2km s-min=8.0km

az=28.0, IDC 28 22:27:27.3±0.2, 4.65S, 151.83E, h170km, 17km, mb3.7/16, mb1.3/17, mb1mx3.6/50, mbmp4.1/17, MS3.6/1, Ms1.3/6.1, ms1mx2.8/41, Error ellipse: s-maj=18.3km s-min=10.7km az=111.0

ISC 28 22:27:25.4±0.8, 4.65S, 0.1x151.9E, 0.1, h153km, m22, c0581/23, mb3.8/15, New Britain region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PMG, SIJI, DZM, WRA, WRA, ASAR, etc.

DDA 28 22:45:35.6, 39.108N, 29.18E, h7km, ML2.6, ISK 28 22:45:35.6, 39.12N, 29.16E, h5km, ML2.1/2, ISCJB 28 22:45:36.2±0.4, 39.06N, 0.04x29.17E, 0.03, h8km, 4km, Error ellipse: s-maj=7.6km s-min=3.3km az=174.1, CSEM 28 22:45:36.1±0.2, 39.08N, 29.17E, h8km, ML2.1, Error ellipse: s-maj=5.9km s-min=2.8km az=179.0

ISC 28 22:45:36.2±0.9, 39.10N, 0.04x29.17E, 0.02, h9km, 6km, n21, c0549/40, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SHAP, SIMA, SMAA, etc.

DDA 28 23:00:03.7, 41.34N, 44.05E, h7km, ML2.8, ISCJB 28 23:00:04.5±0.4, 41.36N, 0.02x44.04E, 0.03, h4km, 4km, Error ellipse: s-maj=4.5km s-min=2.8km az=148.3

CSEM 28 23:00:04.4±0.2, 41.34N, 44.06E, h2km, ML3.4, Error ellipse: s-maj=6.2km s-min=3.4km az=158.0, TIF 28 23:00:04.4, 41.39N, 44.05E, h11km, 2km, ISC 28 23:00:04.3, 41.37N, 0.03x44.05E, 0.02, h12km, 8km, n34, c0572/65, Western Caucasus

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KZR, BGD, AKH, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EPOS, DIGO, GUDG, etc.

ATH 28 23:05:09.9, 38.16N, 26.49E, h41km, 2km, ML1.8/5, Error ellipse: s-maj=3.1km s-min=1.3km az=244.0, ISCJB 28 23:05:10.9±0.4, 38.24N, 0.02x26.61E, 0.03, h10km, 3km, Error ellipse: s-maj=5.1km s-min=2.9km az=140.6, IASPEI 28 23:05:10.9±0.8, 38.24N, 0.02x26.61E, 0.03, h16km, 5km, Error ellipse: s-maj=4.8km s-min=2.5km az=52.7, 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, <i>Seism. Res. Let.</i>, <b>80</b>, 465-472, 2009

CSEM 28 23:05:10.7±0.2, 38.24N, 26.60E, h5km, ML2.7, Error ellipse: s-maj=4.1km s-min=2.6km az=45.0, ISK 28 23:05:11.0, 38.24N, 26.63E, h7km, ML2.7/5, DDA 28 23:05:11.0, 38.23N, 26.64E, h7km, ML2.6, ISC 28 23:05:10.4±0.8, 38.23N, 0.02x26.60E, 0.02, h17km, 4km, n43, c0599/72, Aegean Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZEY, URLA, GMLD, etc.



Table with columns: SMTH, SMTH, IDI, SMG, LAST, VTS, SG1, BAI, KARP, KARP, VAE, ICOR, BZS, ARR, VOIR, UDBI, MLR, NVLJ, PLOR, VRI, BRTR, GERE, GERE, ESDC, HFS, FINES, NOA, EKA, TORD, KURBB, MKAR, ZALV, YKA, etc. Includes station names, codes, and various parameters.

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, etc. Includes station names like Sarande, Tanohata, Miyakonagasawa, etc.

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, etc. Includes station names like Tanohata, Miyakonagasawa, etc.

ISCJB 28 23:19.9.0.5.20S:0.06.151.79E:0.08, h35km, mb4.2/26, MS3.4/9, Error ellipse: s-maj=13.2km s-min=9.5km az=30.3

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, etc. Includes station names like Port Moresby, Tanohata, Miyakonagasawa, etc.

Table with columns: KSR5, KSAR, CMAR, CMAR, PETK, SONM, JIRN, GUN, PKI, PKIN, KKN, PDK, PALM, GKN, KOLN, DANN, PYUN, MKAR, ZALV, ILAR, NIL, KURK, KURBB, AAK, GSPA, MAW, BVAR, YBH, YBH, MOD, NVAR, YKA, FINES, AKASG, BRHC, KHC, GERE, EKA, KEST, LPAZ, SDV, ESDC, TORD, TORD, KOWA, etc. Includes station names, codes, and various parameters.

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, etc. Includes station names like Modoc Plateau, Mina Array Bea, etc.

ISCJB 28 23:42:55.7±0.4, 12.98N±0.06:88.59W±0.04, h87km±4km, mb3.6/4, Error ellipse: s-maj=11.8km s-min=3.6km az=25.8

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, etc. Includes station names like Ojushkada, Tecapa, Lacayo, etc.

Table with columns: TGUH, TELN, CNGN, MOPM, COMN, IKG, RCON, MATN, APG, MES, JTS, JTS, JTS, CGAZ, CMIG, SDV, TXAR, SJG, ULM, YKA, ILAR, etc. Includes station names, codes, and various parameters.

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, etc. Includes station names like Balikesir, Akhisar, Balya, etc.

ISCJ 29 00:14:17.7, 37.78N±26.72E, h6km, ML2.6/2

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, etc. Includes station names like Zmir, Gumuldur, etc.









29d 1h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BVAO, BVAR, BRVK, etc.

2012 MAY

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like TULEG, ARAO, ARCES, etc.

1838

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SUMG, BMO, JMTM, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like ISAL Salakas, YHB Horse Bluffs, IIGN Igalina, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like BW06 Boulder Array, PD31 Pinedale Array, PSUT Pine Spring, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like PV07 Paradox Valley, AGMN Agassiz Nation, AGMN Agassiz Nation, etc.

29d 1h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like EYMN Ely, UPC Upipe, DPC Dobruska-Polom, etc.

2012 MAY

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like 319A Chassel, EKA Eskdalemuir Ar, SOP Sopron, etc.

1840

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like H42A Shiocton, BLY Banja Luka, MYKA Terra Mystica, etc.

SENI	Lac Senin/Sane	86.67	332	eP	P	02 08 45.3 +0.6
T38A	Diamond	86.76	43	P	P	02 08 44.0 -1.0
TUL1	Leonard	86.78	45	P	P	02 08 44.1 -1.0
TUL1	Leonard	86.78	45	eP	P	02 08 45.4 +0.2
S39A	Bolivar	86.78	42	P	P	02 08 43.9 -1.3
TX31	Lajitas Ar. Si	86.79	54	P	P	02 08 45.4 +0.1
TXAR	Lajitas Array	86.79	54	P	P	02 08 45.3 -0.2
O43A	Sugar Creek Fa	86.81	38	P	P	02 08 44.4 -0.8
P42A	Winchester	86.85	39	P	P	02 08 44.5 -1.0
R40A	Maddies Statio	86.87	41	P	P	02 08 44.8 -0.8
Q41A	Truxton	86.90	40	P	P	02 08 45.4 -0.3
ABTX	Abielene, Hawle	86.95	50	P	P	02 08 45.5 -0.6
ABTX	Abielene, Hawle	86.95	50	eP	P	02 08 46.6 +0.5
N44A	Piper City	86.98	37	P	P	02 08 45.0 -1.1
HPIG	comp=Z,24nm,1.2s	87.14	57	eP	P	02 08 47.0 -0.3
P43A	Skaggs, Pawnee	87.21	39	P	P	02 08 46.5 -0.7
N45A	Kentland	87.23	37	P	P	02 08 46.4 -0.8
T39A	Cleaver	87.25	43	P	P	02 08 46.4 -1.0
S40A	Lebanon	87.28	42	P	P	02 08 46.3 -1.2
Q42A	Golden Eagle	87.28	40	P	P	02 08 46.7 -0.8
R41A	Rosebud	87.32	41	P	P	02 08 46.9 -0.9
Q44A	Manfield	87.32	38	P	P	02 08 46.7 -1.0
IDI	Anoyia	87.34	315	P	P	02 08 48.7 +0.7
IDI	Anoyia	87.34	315	eP	P	02 08 48.7 +0.7
TBI	Tubuai	87.49	123	eLR	LR	02 35 46.3
HHAR	Hobbs	87.51	44	eP	P	02 08 48.4 -0.3
N46A	Monticello	87.55	36	P	P	02 08 47.8 -1.0
CCM	Cathedral Cave	87.58	41	P	P	02 08 48.2 -0.8
CCM	Cathedral Cave	87.58	41	eP	P	02 08 48.7 -0.3
CCM	Cathedral Cave	87.58	41	eP	pmax	02 08 48.7 -0.3
SADO	Sadowa	87.59	30	eP	P	02 08 49.2 +0.4
O45A	Potomac	87.60	37	P	P	02 08 48.2 -0.9
T40A	Mansfield	87.61	42	P	P	02 08 48.1 -1.0
R42A	Luebbering	87.63	40	P	P	02 08 48.2 -1.0
SLM	Saint Louis	87.64	40	eP	P	02 08 49.5 +0.3
SLM	Saint Louis	87.64	40	eP	pmax	02 08 49.5 +0.3
Q43A	New Douglas	87.67	39	P	P	02 08 48.1 -1.3
S41A	Jilco Farms	87.68	41	P	P	02 08 48.3 -1.2
U39A	Green Forest	87.68	43	P	P	02 08 48.2 -1.3
P44A	Sand Creek, W1	87.78	38	P	P	02 08 49.2 -0.7
SFIN	Lafayette	87.79	37	P	P	02 08 49.0 -0.9
SFIN	Lafayette	87.79	37	eP	P	02 08 50.2 +0.3
AAM	Ann Arbor	87.79	34	P	P	02 08 49.0 -0.9
AAM	Ann Arbor	87.79	34	eP	P	02 08 50.5 +0.6
AAM	Ann Arbor	87.79	34	eP	pmax	02 08 50.5 +0.6
V39A	Pettigrew	88.00	44	P	P	02 08 50.1 -1.1
TRQ	Mont Tremblant	88.00	26	eP	P	02 08 50.4 -0.5
TRQ	Mont Tremblant	88.00	26	eP	pP	02 08 51.8 +0.3
S42A	Caledonia	88.02	41	P	P	02 08 50.5 -0.6
U40A	Yellville	88.03	43	P	P	02 08 49.9 -1.2
Q44A	Meyer Farm, Va	88.03	39	P	P	02 08 50.4 -0.7
FVM	French Village	88.05	40	eP	P	02 08 51.5 +0.3
FVM	French Village	88.05	40	eP	pmax	02 08 51.5 +0.3
R43A	Red Bud	88.07	40	P	P	02 08 50.2 -1.1
T41A	Mountain View	88.08	42	P	P	02 08 50.2 -1.2
PLVO	Plevna	88.13	28	eP	P	02 08 51.4 -0.1
P45A	Graceland, Par	88.16	38	P	P	02 08 51.1 -0.7
O47A	Sheridan	88.33	36	P	P	02 08 51.4 -1.2
P46A	Rosedale	88.34	37	P	P	02 08 51.0 -1.6
JCT	Junction City	88.38	51	P	P	02 08 51.7 -1.3
JCT	Junction City	88.38	51	eP	P	02 08 52.9 -0.1
JCT	Junction City	88.38	51	eP	pmax	02 08 52.9 -0.1
W39A	Magazine	88.40	44	P	P	02 08 52.0 -1.0
W39A	Magazine	88.40	44	eP	P	02 08 52.9 -0.0
T42A	Van Buren	88.44	41	P	P	02 08 51.9 -1.2
Q45A	Warren Harvey	88.46	38	P	P	02 08 52.0 -1.2
V40A	Witts Springs	88.46	43	P	P	02 08 52.0 -1.2
V40A	Witts Springs	88.46	43	eP	P	02 08 52.9 -0.4
R44A	Waltonville	88.51	39	P	P	02 08 52.6 -0.8
U41A	Viola	88.53	42	P	P	02 08 52.5 -1.0
S43A	Fulton Ridge	88.54	40	P	P	02 08 52.6 -1.0
OLIL	Olney	88.61	39	eP	P	02 08 54.1 +0.3
WHTX	Lake Whitney	88.69	49	eP	pP	02 09 04.9 +0.7
WHTX	Lake Whitney	88.69	49	eP	P	02 08 53.9 -0.4
X39A	Fountain Ranch	88.73	45	P	P	02 08 54.8 +0.5
W40A	Ferguson Farm	88.79	44	P	P	02 08 53.3 -1.5
W40A	Ferguson Farm	88.79	44	eP	P	02 08 54.9 +0.1
W40A	Ferguson Farm	88.79	44	eP	pP	02 09 05.5 +0.4
T43A	Greenville	88.81	41	P	P	02 08 54.0 -0.8
V41A	Mountainview	88.83	43	P	P	02 08 54.1 -0.8
S44A	Carbondale	88.86	40	P	P	02 08 54.0 -1.1
R45A	Skyler, Fairfi	88.87	39	P	P	02 08 54.0 -1.0
U42A	Reviden	88.88	42	P	P	02 08 54.2 -1.0

P47A	Martinsville	88.89	37	P	P	02 08 53.6 -1.6
PBMO	Poplar Bluff	88.97	41	eP	P	02 08 55.9 +0.3
MIAR	Mt Ida	89.00	45	P	P	02 08 55.2 -0.6
MIAR	Mt Ida	89.00	45	eP	P	02 08 55.8 0.0
MIAR	Mt Ida	89.00	45	eP	pmax	02 08 55.8 0.0
BLO	Bloomington	89.02	37	eP	P	02 08 55.9 +0.1
BLO	Bloomington	89.02	37	eP	pmax	02 08 55.9 +0.1
WHAR	Woolly Hollow	89.14	43	eP	P	02 08 56.3 -0.1
T44A	Benton	89.16	40	P	P	02 08 55.8 -0.6
S45A	Carrier Mills	89.20	39	P	P	02 08 55.7 -1.0
V42A	Cord	89.22	42	P	P	02 08 55.6 -1.1
W41B	Gary Mavity, V	89.25	43	P	P	02 08 56.0 -0.9
W41B	Gary Mavity, V	89.25	43	eP	P	02 08 56.7 -0.2
Q47A	Bedford North L	89.25	37	P	P	02 08 56.0 -0.8
U43A	Reactor	89.30	41	P	P	02 08 56.1 -1.0
R46A	Gibson Southern	89.31	38	P	P	02 08 56.3 -0.8
LONY	Lake Ozonia	89.39	27	P	P	02 08 56.6 -0.9
LONY	Lake Ozonia	89.39	27	eP	P	02 08 57.2 -0.2
PARMO	Parma	89.40	41	eP	P	02 08 58.5 +0.9
X40A	Basin Creek Fa	89.45	44	P	P	02 08 57.0 -0.9
X40A	Basin Creek Fa	89.45	44	eP	P	02 08 58.1 +0.2
435B	Jarrell	89.49	50	P	P	02 08 57.1 -1.0
FRNY	Flat Rock	89.55	26	eP	P	02 08 58.3 +0.1
X41A	Kaden, Bauxite	89.62	44	P	P	02 08 57.7 -1.0
S46A	Don Dixon Farm	89.62	39	P	P	02 08 57.8 -0.8
V43A	Jonesboro	89.67	42	P	P	02 08 58.1 -0.8
R47A	Wagon Knot Far	89.71	38	P	P	02 08 58.0 -1.0
ACSO	Alum Creek Sta	89.78	34	P	P	02 08 58.4 -1.0
ACSO	Alum Creek Sta	89.78	34	eP	P	02 08 59.7 +0.4
MMNY	Mt. Morris Dam	89.79	30	eP	P	02 08 59.6 +0.3
MMNY	Alleghey Colle	89.81	32	eP	pP	02 09 10.5 +0.8
ALLY	ALLY	89.81	32	eP	pP	02 09 10.1 +0.7
ALLY	Burton Farm, H	89.86	41	eP	pP	02 09 10.7 +0.8
WCI	Wyandotte Cave	89.88	38	P	P	02 08 58.9 -0.8
WCI	Wyandotte Cave	89.88	38	P	P	02 08 58.8 -1.0
WCI	Wyandotte Cave	89.88	38	eP	P	02 09 00.2 +0.4
WCI	Wyandotte Cave	89.88	38	eP	pmax	02 09 00.2 +0.4
R48A	Northridge Ran	89.94	37	P	P	02 08 59.0 -1.1
Y41A	Wedge Beard	90.03	44	P	P	02 08 59.6 -1.0
T46A	Princeton	90.04	39	P	P	02 09 01.1 -0.5
Z40A	Long Farm, Mag	90.06	45	P	P	02 08 59.9 -0.9
NCB	Newcomb	90.08	27	eP	P	02 09 00.9 +0.2
M54A	Oil Creek Stat	90.12	32	P	P	02 09 00.3 +0.7
M54A	Oil Creek Stat	90.12	32	eP	P	02 09 01.4 +0.5
833A	Chaparral WMA,	90.16	52	P	P	02 09 00.2 -1.2
VT1	Waterbury	90.27	26	eP	P	02 09 02.2 +0.6
Z41A	Richland Creek	90.39	45	P	P	02 09 01.4 -0.9
S48A	Wiesman Farm,	90.44	38	P	P	02 09 01.6 -0.9
N54A	Moraine State	90.45	32	P	P	02 09 01.9 -0.5
N54A	Moraine State	90.45	32	eP	P	02 09 02.9 +0.5
N54A	Moraine State	90.47	39	eP	pP	02 09 13.0 +0.2
NATX	Naacodoches	90.47	47	P	P	02 09 01.9 -0.8
Y42A	Garnett, Star	90.51	44	P	P	02 09 01.8 -1.0
PKME	Peaks-Kenny Pk	90.56	23	P	P	02 09 02.1 -0.7
PKME	Peaks-Kenny Pk	90.56	23	eP	P	02 09 03.6 -0.8
LBNH	Lisbon	90.63	25	P	P	02 09 02.3 -0.9
LBNH	Lisbon	90.63	25	eP	P	02 09 04.5 +1.3
LBNH	Lisbon	90.63	25	eP	pmax	02 09 04.5 +1.3
T48A	Bowling Green	90.72	38	P	P	02 09 02.8 -0.9
WVT	Waverly	90.79	40	P	P	02 09 03.3 -0.8
WVT	Waverly	90.79	40	eP	P	02 09 04.3 +0.2
WVT	Waverly	90.79	40	eP	pmax	02 09 04.3 +0.2
ACCN	Adirondack Com	90.79	27	eP	P	02 09 04.4 +0.4
U47A	Clarksville	90.81	39	P	P	02 09 03.5 -0.7
141A	Papa Simpson,	90.83	45	P	P	02 09 03.9 -0.5
Z42A	Norrel Spur, H	90.85	44	P	P	02 09 02.9 -1.5
V46A	Holley	90.90	40	P	P	02 09 03.5 -1.1
BINY	Binghamton	90.98	29	P	P	02 09 03.8 -1.1
BINY	Binghamton	90.98	29	eP	P	02 09 05.4 +0.5
HNH	Hanover	90.99	26	eP	P	02 09 05.5 +0.6
WVL	Waterville	91.08	24	eP	P	02 09 05.8 +0.6
U48A	Cassie Pea, Po	91.12	39	P	P	02 09 04.7 -1.0
HKT	Hockley	91.13	49	eP	P	02 09 06.1 +0.4
HKT	Hockley	91.13	49	eP	pmax	02 09 06.1 +0.4
V47A	Nunnely	91.18	40	P	P	02 09 05.0 -0.9
OXF	Oxford	91.25	42	P	P	02 09 05.1 -1.1
OXF	Oxford	91.25	42	eP	P	02 09 06.4 +0.1
OXF	Oxford	91.25	42	eP	pmax	02 09 06.4 +0.1
241A	Mo Tay, Goldon	91.26	46	P	P	02 09 05.5 -0.8
PLAL	Pickwick Lake	91.56	41	eP	P	02 09 07.4 -0.3

SSPA	Standing Stone	91.58	31	P	P	02 09 06.8 -0.8
SSPA	Standing Stone	91.58	31	eP	P	02 09 08.9 +1.2
V48A	Sm Brathers	91.60	40	P	P	02 09 07.0 -0.9
W47A	Westpoint	91.60	40	P	P	02 09 07.1 -0.8
MCWV	Mont Chateau	91.60	33	P	P	02 09 07.2 -0.6
EMMW	East Machias	91.61	22	eP	P	02 09 07.8 -0.1
KSPA	Keystone Colle	91.61	29	eP	P	02 09 08.4 +0.6
O56A	Blue Knob Stat	91.62	32	P	P	02 09 06.9 -1.1
O56A	Blue Knob Stat	91.62	32	eP	P	02 09 08.3 +0.3
341A	Kurthwood	91.64	46	P	P	02 09 07.1 -1.0
Z44A	Pea Ridge, Bel	91.66	43	P	P	02 09 06.7 -1.5
Y45A	Yeager Farm, C	91.68	42	P	P	02 09 07.2 -1.1
W48A	Pulaski	92.02	40	P	P	02 09 08.4 -1.4
Y46A	Houston	92.02	42	P	P	02 09 08.4 -1.5
ZAIG	Zacatecas	92.04	58	eP	P	02 09 11.4 +0.9
N59A	State Game Lan	92.17	29	P	P	02 09 09.8 -0.6
N59A	State Game Lan	92.17	29	eP	P	02 09 11.8 +1.3
SWET	Sewanee	92.45	39	eP	pP	02 09 11.5 -0.4
SWET	Sewanee	92.4				

Table with columns: NDIM, Station Name, Magnitude, Phase, Time, Res. Includes stations like Minerbio Fiu, Zocca, Marana (Italy), etc.

STR 29:02:12:27.9±2.3, 45°N±7'×1'2E±2'3, h5km, M3.6/6, MLV3.6/6
IASPEI 29:02:12:29.8±0.8, 44°85'N±0'02±1'21E±0'02, h14km±3km, Error ellipse: s-maj=3.1km s-min=2.6km az=95.4, GTS 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, <l>Seism. Res. Let.</l>, <b>80</b>, 465-472, 2009

Table with columns: Code, Station Name, Magnitude, Phase, Time, Res. Includes stations like Massa Finalese, San Felice sul, Casumar (Bond), etc.

Table with columns: RAVA, Station Name, Magnitude, Phase, Time, Res. Includes stations like Loc. Fossa, Co, Loc. Fossa, Co, Dosso, Cento, etc.

Table with columns: T0814, Station Name, Magnitude, Phase, Time, Res. Includes stations like Loc. Cortile, Loc. Cortile, Castello D'Arg, etc.

Table with columns: MTRZ, Station Name, Magnitude, Phase, Time, Res. Includes stations like Zocca, Zocca, Zocca, etc.











1847

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like GTA, DGZ, ORV, etc.

2012 MAY

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like NVAR, NV11, PMPB, etc.

29d 2h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like ISA, DUG, MK31, etc.

29d 2h

Table with columns for station ID, name, elevation, frequency, and various signal quality metrics (e.g., SNR, BER, BERmax, BERmin).

2012 MAY

Table with columns for station ID, name, elevation, frequency, and various signal quality metrics (e.g., SNR, BER, BERmax, BERmin).

1848

Table with columns for station ID, name, elevation, frequency, and various signal quality metrics (e.g., SNR, BER, BERmax, BERmin).





29d 2h

2012 MAY

1850

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like GUWAHATI, J41A, EPT, SRIG, I42A, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like NC303, NC204, CM31, CMAR, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like R41A, O44A, M46A, SRAK, etc.



29d 2h

Table with columns for call sign, name, frequency, power, mode, and other parameters. Includes entries like 441A DeRidder, 243A Waterproof, TTSI Tana Toraja, etc.

2012 MAY

Table with columns for call sign, name, frequency, power, mode, and other parameters. Includes entries like ZAIG comp=Z,24nm,1.2s, BEL Belek, Y49A Blount Mountain, etc.

1852

Table with columns for call sign, name, frequency, power, mode, and other parameters. Includes entries like KIV comp=Z,50nm,2.5s, KBKI Kotabaru, NCK Naichik, etc.



29d 2h

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like HERR Herculane, DAVA Damuels, MYKA Terra Mystica, etc.

2012 MAY

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like SSB Saint Sauveur, SSB Saint Sauveur, MMB Kludomiste, etc.

1854

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like SOHO SOHO, YER Yerkesik, YER Yerkesik, etc.









Table with columns: YERR, Yerrington, 82.84, 43, eP, P, 03 44 48.8 +0.6, comp=Z,92nm,0.7s

Table with columns: WWOR, Wild Horse Val, 85.22, 40, eP, pP, 03 47 08.8 +1.7, comp=Z,170nm,1.4s

Table with columns: C06D, Leavenworth, 87.21, 35, P, P, 03 45 09.0 +0.2, comp=Z,232



29d 3h

Table with columns for call sign, name, frequency, power, mode, and other details. Includes stations like SONM, AGUA, INK, VCA, etc.

2012 MAY

Table with columns for call sign, name, frequency, power, mode, and other details. Includes stations like Q39A, B31A, T41A, R40A, etc.

1860

Table with columns for call sign, name, frequency, power, mode, and other details. Includes stations like AAK, AAK, AAK, etc.











ISCO	comp=Z,5.0nm,0.7s	pmx	pmx	
Y14A	Wickenburg comp=Z,3.4nm,1.0s	56.55	77	eP P 04 27 14.0 +1.4
D34A	Park Rapids baz=316	56.70	54	P P 04 27 13.2 -0.2
E33A	Westby DABS, E baz=316	56.72	55	P P 04 27 13.2 -0.4
MVCO	Mesa Verde comp=Z,3.4nm,0.8s	56.76	71	P P 04 27 14.4 +0.1
MVCO	Mesa Verde baz=316	56.76	71	eP P 04 27 15.4 +1.1
C35A	Jirix Farms, M baz=316,SNR=9.5	56.84	53	P P 04 27 13.6 -0.8
F33A	5 Mile Ranch, baz=316	57.05	56	P P 04 27 15.3 -0.7
X16A	Lo Mia Camp, P comp=Z,1.1nm,1.1s	57.10	75	eP P 04 27 18.6 +1.9
E34A	Wadena baz=316,SNR=6.2	57.12	55	P P 04 27 15.4 -1.0
D35A	Remer baz=316	57.25	54	P P 04 27 16.6 -0.8
S22A	4UR Ranch, Cre baz=316,SNR=9.7	57.31	70	P P 04 27 17.6 -0.7
S22A	4UR Ranch, Cre comp=Z,5.4nm,0.9s	57.31	70	eP P 04 27 19.4 +1.2
C36A	Pine Crest Far baz=316	57.34	53	P P 04 27 18.0 +0.1
Q24A	Divide baz=316	57.36	67	P P 04 27 18.1 -0.5
E35A	Pequot Lakes baz=316	57.46	54	P P 04 27 18.4 -0.4
W18A	Petrified Fore baz=317	57.57	74	P P 04 27 19.1 -0.9
D36A	Goodland baz=317	57.60	53	P P 04 27 19.3 -0.5
OGNE	Ogallala baz=316	57.62	64	P P 04 27 20.4 +0.3
OGNE	Ogallala comp=Z,1.3nm,0.7s	57.62	64	eP P 04 27 21.4 +1.3
H33A	Prehn Over Nor baz=316	57.66	57	P P 04 27 20.2 -0.1
C37A	Embarrass baz=317	57.66	52	P P 04 27 19.7 -0.6
EYMN	Ely baz=317	57.83	52	P P 04 27 20.7 -0.6
EYMN	Ely comp=Z,9.1nm,0.8s	57.83	52	eP P 04 27 21.3 0.0
F35A	Swanville baz=317	57.88	55	P P 04 27 21.2 -0.5
D37A	Cotton baz=317	57.96	53	P P 04 27 21.7 -0.6
E36A	McGregor baz=317	58.03	54	P P 04 27 22.1 -0.8
SDCO	Great Sand Dun baz=317,SNR=6.0	58.04	69	P P 04 27 23.5 +0.1
SDCO	Great Sand Dun comp=Z,3.3nm,1.2s	58.04	69	eP P 04 27 24.7 +1.3
C38A	Sawbill Land, baz=317	58.09	52	P P 04 27 22.5 -0.7
214A	Organ Pipe Nat baz=318	58.10	78	P P 04 27 24.7 +1.2
KDJ	Kajisay comp=Z,6.5nm,0.9s	58.23	299	eP P 04 27 24.9 -0.2
F36A	Milaca baz=317	58.38	54	P P 04 27 24.9 -0.4
G35A	Watkins baz=317	58.38	56	P P 04 27 24.8 -0.5
ECSD	EROS Data Cent baz=317	58.41	58	P P 04 27 25.2 -0.3
ECSD	EROS Data Cent comp=Z,3.3nm,0.8s	58.41	58	eP P 04 27 25.0 -0.5
H35A	Sunnyside Ranc baz=317	58.59	56	P P 04 27 26.2 -0.6
KLMR	Klimovskoe comp=Z,1.1nm,0.9s	58.67	334	eP pmax pmax 04 27 25.8 -1.2
KLMR	Klimovskoe comp=Z,1.1nm,0.9s	58.67	334	eP AMP 04 27 25.9 -1.1
KLMR	Klimovskoe comp=Z,1.1nm,0.9s	58.69	66	P P 04 27 28.0 +0.3
KSCO	Kaye Shedlock baz=316	58.69	66	eP P 04 27 28.9 +1.2
KSCO	Kaye Shedlock comp=Z,1.0nm,0.6s	58.69	66	eP P 04 27 27.4 -0.6
E38A	The Farm, Brul baz=318	58.77	53	P P 04 27 27.4 -0.6
TUC	Tucson baz=318	59.01	77	P P 04 27 31.1 +1.2
TUC	Tucson comp=Z,3.4nm,1.0s	59.01	77	eP P 04 27 33.4 +3.5
TUC	Tucson comp=Z,3.0nm,1.0s	59.01	77	eP pmax pmax 04 27 33.4 +3.5
T25A	Trinidad baz=317	59.08	68	P P 04 27 31.1 +0.6
T25A	Trinidad comp=Z,4.7nm,0.8s	59.08	68	eP P 04 27 31.4 +0.9
F38A	Pierce - Schro baz=318,SNR=9.8	59.10	53	P P 04 27 29.8 -0.5
FRU	Sishkek baz=317,SNR=14	59.12	301	eP P 04 27 30.0 -0.5
H36A	Jessenland, He baz=317,SNR=14	59.12	56	P P 04 27 30.1 -0.4
SPMN	Marine on St. baz=318	59.19	55	P P 04 27 30.5 -0.4
SPMN	Marine on St. comp=Z,4.9nm,0.8s	59.19	55	eP P 04 27 33.2 +2.3
BGNE	Belgrade baz=317	59.31	61	P P 04 27 31.6 -0.3
AAK	Ala-Archa comp=Z,4.4nm,0.8s	59.33	301	eP P 04 27 31.4 -0.7
AAK	Ala-Archa comp=Z,4.4nm,0.8s	59.33	301	eP pmax pmax 04 27 31.9 -0.2
AAK	Ala-Archa comp=Z,5.0nm,1.1s	59.41	52	P P 04 27 31.6 -0.8
E39A	Nielsen baz=318	59.49	52	P P 04 27 32.5 -0.5
I36A	Fitzsimmons Fa baz=318	59.49	56	P P 04 27 34.1 +0.4
ANMO	Albuquerque comp=Z,1.8nm,0.7s,baz=324,slow=11,SNR=9.2	59.54	72	P P 04 27 34.1 +0.4
ANMO	Albuquerque baz=318	59.54	72	eP P 04 27 34.8 +1.2
ANMO	Albuquerque comp=Z,1.8nm,0.8s	59.54	72	eP P 04 27 34.9 +1.2
ANMO	Albuquerque comp=Z,3.0nm,0.8s	59.55	72	eP pmax pmax 04 27 36.9 +3.1
LAZ	Ladron baz=318	59.58	53	P P 04 27 33.0 -0.6
F39A	Loretta baz=318	59.62	54	P P 04 27 33.5 -0.3
H37A	Dierke Farm, C baz=318	59.67	52	P P 04 27 33.8 -0.4
E40A	Wakfield baz=318	59.79	56	P P 04 27 34.8 -0.3
I37A	Lemond, Waseca baz=318,SNR=12	59.82	51	P P 04 27 34.5 -0.7
D41A	Chassel baz=319	59.84	57	P P 04 27 35.2 -0.2
J36A	Seneca 1, Swea baz=318	59.84	57	P P 04 27 35.4 -0.6
G39A	Holcombe baz=319	59.95	54	P P 04 27 35.2 -0.9
F40A	Park Falls baz=318	60.08	51	P P 04 27 36.2 -0.9
E41A	Kenton baz=319	60.24	56	P P 04 27 37.6 -0.6
J37A	Redenius Farm, baz=318	60.24	56	P P 04 27 37.2 -1.3
K36A	Gilmore City baz=318	60.29	58	P P 04 27 37.5 -1.0
I38A	Scanlan Farm, baz=318	60.32	54	P P 04 27 37.0 -1.7
H39A	Augusta baz=318	60.32	54	P P 04 27 39.2 0.0
CBKS	Cedar Bluff baz=319	60.38	64	P P 04 27 37.9 -1.3
G40A	Rib Lake baz=319	60.56	52	P P 04 27 39.0 -1.3
F14A	Three Lakes baz=319	60.58	58	P P 04 27 39.5 -1.0
L36A	Harm Buss Farm baz=318	60.59	51	P P 04 27 39.0 -1.5
E42A	Champion baz=319	60.60	57	P P 04 27 39.9 -0.7
K37A	Belmond baz=318	60.76	56	P P 04 27 41.1 -0.6
J38A	Wedel Dairy, R baz=318	60.79	54	P P 04 27 40.1 -1.8

ISCO	comp=Z,2.7nm,1.1s	pmx	pmx	
KSH	Kashi comp=Z,2.7nm,1.1s	60.85	298	P P 04 27 45.5 +2.9
KSH	Kashi comp=Z,1.60nm,4.8s	60.85	298	PcP S pmax pmax 04 28 28.5 +2.4
KSH	Kashi comp=Z,80nm,7.2s	60.85	298	S pmax 04 36 00.0 +1.5
KSH	Kashi comp=Z,3.4nm,6.3s	60.85	298	LR LR 04 27 42.7 -0.7
KSH	Kashi comp=Z,2.70nm,12.3s	60.85	298	LR LR 04 27 42.7 -0.7
KK31	Karatay Array baz=319	60.96	304	eP P 04 27 42.4 -0.7
KK31	Karatay Array baz=319	60.96	304	eP P 04 27 42.4 -0.7
KKAR	Karatay Array baz=319	60.96	304	eP P 04 27 42.4 -0.7
KKAR	Karatay Array baz=319	60.96	304	eP P 04 27 42.4 -0.7
AKTO	Aktuybinsk comp=Z,2.3nm,0.6s,baz=29,slow=4.8,SNR=8.5	60.96	317	P P 04 27 41.5 -1.5
L37A	Phoenix Point, baz=318	61.02	58	P P 04 27 42.7 -0.7
ABKAR	Akbulak array baz=319	61.10	315	eP P 04 27 42.9 -1.0
K36A	Parkersburg baz=319	61.11	57	P P 04 27 43.3 -0.8
J39A	Decorah baz=319	61.12	55	P P 04 27 43.0 -1.1
H41A	Junction City baz=319	61.15	53	P P 04 27 42.8 -1.5
FAO	FINESS Array S baz=319	61.21	341	eP P 04 27 41.7 -2.8
FAO	FINESS Array S baz=319	61.21	341	eP P 04 27 41.7 -2.8
FINES	FINESS Array B baz=319	61.21	341	eP P 04 27 41.7 -2.8
F43A	Flat Rock, Esc baz=320	61.38	51	P P 04 27 44.5 -1.4
L38A	Oak Wood Farm, baz=319	61.40	57	P P 04 27 45.5 -0.5
SCIA	State Center baz=319	61.45	57	P P 04 27 45.6 -0.7
SCIA	State Center comp=Z,1.6nm,0.7s	61.45	57	eP P 04 27 46.5 +0.2
I41A	Arkdale baz=319	61.46	54	P P 04 27 45.6 -0.8
K39A	Delwin baz=319	61.50	56	P P 04 27 45.5 -1.2
F44A	Big Bay de Noc baz=319	61.61	50	P P 04 27 46.2 -1.2
N37A	Lee Faris, Mou baz=319	61.80	59	P P 04 27 48.4 -0.4
KSU1	Kansas State U baz=319	61.82	62	P P 04 27 48.8 -0.1
M38A	Pleasantville baz=319	61.88	58	P P 04 27 48.3 -0.6
L39A	Vinton baz=319	61.88	56	P P 04 27 48.5 -0.8
J41A	Loganville baz=319	61.91	54	P P 04 27 48.7 -0.8
I42A	Draeger Farm, baz=320	62.04	53	P P 04 27 49.5 -0.9
I42A	Draeger Farm, comp=Z,2.1nm,0.8s	62.04	53	eP P 04 27 50.6 +0.3
H43A	Windswept, Lux baz=320	62.14	52	P P 04 27 50.4 -0.6
JFWS	Jewell Farm baz=320	62.14	55	P P 04 27 50.5 -0.5
SCHO	Schefferville comp=Z,4.7nm,0.6s,baz=292,slow=11,SNR=6.6	62.16	33	P LR 04 27 49.3 -1.7
SCHO	Schefferville comp=Z,2.89nm,18.3s,baz=6.5,slow=41	62.16	33	LR 04 59 40.9
SCHO	Schefferville comp=Z,10nm,1.0s	62.16	33	eP P 04 27 49.3 -1.7
AMTX	Amarillo baz=319	62.23	68	P P 04 27 51.9 0.0
N38A	Joos South For baz=319	62.27	58	P P 04 27 51.2 -0.7
M39A	Webster baz=319	62.28	57	P P 04 27 51.2 -0.8
MSTX	Muleshoe baz=319	62.31	70	P P 04 27 52.5 +0.1
MSTX	Muleshoe comp=Z,6.6nm,0.7s	62.31	70	eP P 04 27 52.7 +0.3
L40A	Anamosa baz=320	62.31	56	P P 04 27 51.1 -1.1
K41A	Shullsburg baz=320	62.35	55	P P 04 27 51.5 -0.9
J42A	Columbus baz=320	62.38	54	P P 04 27 51.4 -1.2
I43A	Langfield Bro baz=320	62.41	53	P P 04 27 51.5 -1.3
F46A	Macinaw City C baz=321	62.52	49	P P 04 27 52.1 -1.4
MNTX	Cornudas Mount baz=319,SNR=12	62.54	73	P P 04 27 54.5 +0.6
MNTX	Cornudas Mount comp=Z,4.8nm,0.6s	62.54	73	eP P 04 27 54.9 +1.0
N39A	Derby Farms, D baz=319	62.57	58	P P 04 27 53.3 -0.6
P37A	Lathrop baz=319	62.61	60	P P 04 27 53.4 -0.8
L41A	Preston baz=320	62.66	56	P P 04 27 53.1 -1.3
M40A	Post Highland baz=320	62.66	57	P P 04 27 53.6 -0.9
K42A	Prairie Point, baz=320	62.68	54	P P 04 27 53.5 -1.1
P38A	Dawn baz=319	63.00	59	P P 04 27 56.1 -0.7
N40A	Mertquake, Sal baz=320	63.02	57	P P 04 27 56.3 -0.7
Q37A	Longview Farm, baz=319	63.09	60	P P 04 27 56.6 -0.9
L42A	Oliver, Polo baz=320	63.11	55	P P 04 27 56.1 -1.4
K43A	Burlington baz=320	63.22	54	P P 04 27 57.5 -0.7
CHTO	Chiang Mai comp=Z,1.6nm,1.0s	63.33	265	eP P 04 28 01.1 +1.9
CHTO	Chiang Mai comp=Z,1.5nm,1.0s	63.33	265	eP pmax pmax 04 28 01.1 +1.9
Q38A	Cooks Store, C baz=320	63.45	60	P P 04 27 59.0 -0.8
O40A	La Belle baz=320	63.46	58	P P 04 27 59.2 -0.6
P39B	Salisbury baz=320	63.49	59	P P 04 27 59.5 -0.5
N41A	Harden Midland baz=320	63.52	57	P P 04 27 59.3 -0.9
CM31	Chiang Mai Arr baz=320	63.61	265	eP P 04 28 02.3 +1.3
CMAR	Chiang Mai Arr comp=Z,7.3nm,0.8s,baz=22,slow=7.7,SNR=19	63.61	265	P LR 04 57 53.0
CM01	Chiang Mai Arr comp=Z,8.4nm,1.8s,baz=5.5,slow=6.9	63.62	265	eP P 04 28 02.5 +1.3
Q39A	Willow Grove F baz=320	63.72	59	P P 04 28 01.0 -0.5
P40A	Paris baz=320,SNR=5.1	63.82	58	P P 04 28 01.4 -0.6
N42A	Yates City baz=320	63.83	56	P P 04 28 00.8 -1.6
WMOK	Wichita Mounta baz=320,SNR=10	63.92	66	P P 04 28 02.9 -0.1
WMOK	Wichita Mounta comp=Z,5.8nm,0.8s	63.92	66	eP P 04 28 03.5 +0.5
WMOK	Wichita Mounta comp=Z,6.0nm,0.8s	63.92	66	eP pmax pmax 04 28 03.5 +0.5
NB2	NORSAR Subarra comp=Z,6.4nm,0.8s,baz=16,slow=6.9	63.95	3	

29d 4h

Table with columns: WCI, Wyandotte Cave, 67.67, 55, eP, P, 04 28 26.9 -0.1, etc. Lists various stations and their coordinates.

2021 MAY

Table with columns: VOIR, 76.29, 335, //P, P, 04 29 19.1 +0.4, etc. Lists various stations and their coordinates.

1866

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, ISC, h, m, s, ISC. Lists station details for ISC 29 04:36:32.0, 0.5, 36.65N, 0.005, 71.26E, 0.07, h250km, n46, border region.

ISC 29 04:26:31.7, 0.8, 54.32N, 168.98E, h10km, mb3.8/12, mb1 4.1/13, mb1mx3.7/79, mbtmp3.8/13, ML2.9/1, Error ellipse: s-maj=27.7km s-min=15.6km az=165.0

ISC 29 04:26:33.0, 0.5, 54.3N, 0.1:168.75E, 0.09, h20km, mb4.0/19, Error ellipse: s-maj=16.3km s-min=5.5km az=161.7

NEIC 29 04:26:33.2, 0.4, 54.26N, 168.96E, h10km, mb4.3/8, Error ellipse: s-maj=13.0km s-min=5.5km az=158.0

ISC 29 04:26:34.6, 0.7, 54.26N, 168.96E, 0.08, h20km, n39, ISC 29 04:26:36.4, 0.10, Komandorski Islands region

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, ISC, h, m, s, ISC. Lists station details for Komandorski Islands region.

ISC 29 04:57:42.7, 0.4, 39.09N, 0.04:29.12E, 0.03, h9km, 4km, Error ellipse: s-maj=7.1km s-min=4.0km az=177.8

CSEM 29 04:57:42.9, 0.1, 39.09N, 0.04:29.12E, h8km, ML2.5, Error ellipse: s-maj=3.5km s-min=2.3km az=179.0

DDA 29 04:57:42.3, 39.10N, 29.14E, h7km, ML2.9

ISK 29 04:57:42.7, 0.9, 39.10N, 29.12E, h7km, ML2.5/2

ISC 29 04:57:42.6, 0.9, 39.07N, 0.03:29.12E, 0.02, h12km, 5km, n33, 0:56/45, 3C, Turkey

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, ISC, h, m, s, ISC. Lists station details for Turkey region.







Table with columns: ALN, S, Sg, 06 43 17.5 0.0, AML, AML, 06 43 18.6, etc. Lists station names and seismic data for Honshu region.

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Lists station names and seismic data for Honshu region.

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Lists station names and seismic data for Honshu region.

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Lists station names and seismic data for Honshu region.

λ.99.00000°; NP2.9; 91.00000°; δ.29.00000°; λ.72.00000°; Principal axes: T 0.7950, P1 71.0000, Azm 222.0000; N 0.0050, P1g.0000, Azm 107.0000; P -0.8000, P1g17.0000, Azm 14.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Lists station names and seismic data for Honshu region.

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Lists station names and seismic data for Honshu region.

ISC 29 06:48:41.5:2.4, 54.44N; 169.00E, h0km, mb3.5/3, mb1 3.6/4, mb1mx3.2/63, mbtm3.5/4, ML2.71, Error ellipse: s-maj=26.7km, s-min=4.0km, az=177.8

ISC 29 06:48:42.8:1.9, 53.99N; 168.37E, h7km, 39km, ML3.8, mb3.5/3, Error ellipse: s-maj=8.8km, s-min=6.7km, az=177.8

ISC 29 06:48:44.9:1.4, 54.00N; 168.85E; 0.09, h30km, m31, 1528/34, mb3.4/3, Komandorsky island region

ISC 29 06:49:24.2:0.6, 35.72N; 0.04:140.12E; 0.06, h74km, 5km, mb3.5/3, Error ellipse: s-maj=8.6km, s-min=5.3km, az=155.2



ATTE	comp=E,94900um,1.1s	AML	AML		
MURB	Monte Urbino	1.90 146	AML	AML	
MURB			AML	AML	
MURB			AML	AML	
MURB			AML	AML	
VARE	Varese	1.91 303	AML	AML	
VARE			AML	AML	
ARVD	Arcevia	1.91 134	AML	AML	
ARVD	comp=E,89800um,1.5s		AML	AML	
ROTM	Rocchetta Tana	1.92 271	AML	AML	
ROTM			AML	AML	
MPRI	Monte Prat	1.95 44	ePn	Pn	07 00 35.7 -1.5
MPRI	Monte Prat	1.95 44	ePn	Pn	07 00 35.7 -1.5
VDL	Val di Lei	1.99 326	iP	Pn	07 00 35.5 -2.4
VDL	comp=N,104um,1.4s				
VDL	Val di Lei	1.99 326	iP	Pn	07 00 37.4 -0.5
BUA	Buia	2.00 46	ePn	Pn	07 00 36.5 -1.4
BUA			AML	AML	07 00 36.5 -1.4
QLNO	Quilano	2.00 256	AML	AML	
QLNO	comp=E,59750um,0.8s		AML	AML	
CSMI	Casera Mimosias	2.01 33	ePn	Pn	07 00 36.8 -1.4
CSMI	Casera Mimosias	2.01 33	ePn	Pn	07 00 36.8 -1.4
ATCC	AVT-Casa Cast	2.02 145	AML	AML	
ATCC			AML	AML	
ARCI	Arcidosso	2.02 171	AML	AML	
ARCI	comp=N,59850um,1.0s		AML	AML	
ARCI	comp=E,29200um,1.6s		AML	AML	
GEFP	Gemona	2.05 45	AML	AML	
GEFP			AML	AML	
BOO	Bordano	2.06 44	ePn	Pn	07 00 36.9 -1.8
BOO	Bordano	2.06 44	ePn	Pn	07 00 36.9 -1.8
CLUD	Cludinico	2.06 38	ePn	Pn	07 00 36.9 -1.8
CLUD	Cludinico	2.06 38	ePn	Pn	07 00 36.9 -1.8
FINB	Finale Ligure	2.06 252	AML	AML	
FINB	comp=N,25700um,1.6s		AML	AML	
BAD	Bernadia	2.07 47	ePn	Pn	07 00 36.8 -2.1
BAD	Bernadia	2.07 47	ePn	Pn	07 00 36.8 -2.1
MGAB	Montegabbione	2.08 158	AML	AML	
MGAB	comp=N,66050um,1.3s		AML	AML	
MGAB	comp=E,91500um,1.3s		AML	AML	
MGAB	comp=E,92150um,1.3s		AML	AML	
FUSE	Fusea	2.08 40	ePn	Pn	07 00 36.9 -2.1
FUSE	Fusea	2.08 40	ePn	Pn	07 00 36.9 -2.1
COLI	Coloredo	2.08 51	ePn	Pn	07 00 37.3 -1.7
COLI	Coloredo	2.08 51	ePn	Pn	07 00 37.3 -1.7
SACS	San Casciano d.	2.09 163	AML	AML	
SACS	comp=E,64800um,1.6s		AML	AML	
SACS	comp=N,55000um,1.0s		AML	AML	
SACS	comp=E,63800um,1.6s		AML	AML	
SACS	comp=N,55050um,0.9s		AML	AML	
SNTG	Esanatoglia	2.09 139	AML	AML	
SNTG	comp=N,77800um,1.6s		AML	AML	
SNTG	comp=E,70000um,1.4s		AML	AML	
ROSI	Roskopf	2.10 7	iP	Pn	07 00 35.8 -3.6
ROSI	comp=E,2um,1.0s				
ROSI	Roskopf	2.10 7	iP	Pn	07 00 38.4 -1.0
ROSI	Roskopf	2.10 7	AML	AML	
ROSI	Roskopf	2.10 7	AML	AML	
TRI	Trieste	2.10 65	ePn	Pn	07 00 37.1 -2.1
TRI	Trieste	2.10 65	ePn	Pn	07 00 37.1 -2.1
DAVOX	Davos/Dischmat	2.10 337	iP	Pn	07 00 37.4 -2.1
DAVOX	comp=E,126um,0.8s				
DAVOX	Davos/Dischmat	2.10 337	iP	Pn	07 00 39.6 +0.1
VINO	Vilanova	2.11 47	ePn	Pn	07 00 37.3 -2.1
VINO	Vilanova	2.11 47	ePn	Pn	07 00 37.3 -2.1
VINO	Vilanova	2.11 47	AML	AML	
VINO	Vilanova	2.11 47	AML	AML	
MCIV	Monte Civitell	2.11 168	AML	AML	
MCIV	comp=N,17760um,1.0s		AML	AML	
MCIV	comp=E,24900um,1.4s		AML	AML	
SABO	M.te Sabotino	2.12 57	ePn	Pn	07 00 37.9 -1.7
SABO	M.te Sabotino	2.12 57	ePn	Pn	07 00 37.9 -1.7
SABO	M.te Sabotino	2.12 57	AML	AML	
SABO	M.te Sabotino	2.12 57	AML	AML	
FVI	Forni Avoltri	2.13 34	AML	AML	
FVI	comp=E,87700um,0.9s		AML	AML	
FVI	Forni Avoltri	2.13 34	AML	AML	
CING	Cingoli	2.13 133	AML	AML	
CING	comp=N,57600um,0.9s		AML	AML	
CING	Cingoli	2.13 133	AML	AML	
ABTA	Abfattersbach	2.16 28	ePn	Pn	07 00 39.6 -0.5
ABTA	comp=E,1um,0.6s,SNR=4411		Sg	Sg	07 01 14.8 +0.9
ABTA	Abfattersbach	2.16 28	Pn	Pn	07 00 39.6 -0.5
ABTA	comp=E,1um,0.6s,SNR=1000		Sg	Sg	07 01 14.9 +0.9
ZOU	Zouplian	2.18 37	ePn	Pn	07 00 38.9 -1.6
ZOU	Zouplian	2.18 37	ePn	Pn	07 00 38.9 -1.6
ZOU	Zouplian	2.18 37	ePn	Pn	07 00 38.9 -1.6
CELB	S.Piero Cam	2.19 197	AML	AML	
CELB	comp=E,25550um,1.0s		AML	AML	
CELB	Feichten	2.19 354	ePn	Pn	07 00 40.8 +0.2
CELB	comp=N,31850um,1.2s		AML	AML	
FETA	Feichten	2.19 354	ePn	Pn	07 01 14.5 -0.4
FETA	comp=N,360um,0.6s,SNR=7555		Sg	Sg	07 01 14.5 -0.4
FETA	Feichten	2.19 354	Pn	Pn	07 00 40.8 +0.2
FETA	comp=N,33um,0.9s		Sg	Sg	07 01 14.5 +0.4
FETA	comp=N,360um,0.6s,SNR=1000		Sg	Sg	07 01 14.5 +0.4
SKDS	Skadanscina	2.21 70	iPn	Pn	07 00 38.4 -2.3
SKDS	Skadanscina	2.21 70	iPn	Pn	07 01 04.8 -3.0
SKDS	Skadanscina	2.21 70	iPn	Pn	07 01 04.8 -3.0
SKDS	Skadanscina	2.21 70	iPn	Pn	07 01 04.8 -3.0
RISI	Rein	2.22 18	iP	Pn	07 00 39.6 -1.5
RISI	comp=N,23um,0.4s				
RISI	Rein	2.22 18	iP	Pn	07 00 41.2 +0.1
RISI	Rein	2.22 18	AML	AML	
RISI	Rein	2.22 18	AML	AML	
MONC	Moncucco Torin	2.23 277	iP	Pn	07 00 38.4 -2.7
MONC	comp=N,24um,1.0s				
MONC	Moncucco Torin	2.23 277	iP	Pn	07 00 41.6 +0.5
MONC	Moncucco Torin	2.23 277	AML	AML	
MONC	Moncucco Torin	2.23 277	AML	AML	
PTCC	Patocco-Chiusa	2.24 45	AML	AML	
PTCC	comp=N,72350um,1.6s		AML	AML	
PLRO	Paularo	2.25 40	ePn	Pn	07 00 39.9 -1.5
PLRO	Paularo	2.25 40	ePn	Pn	07 00 39.9 -1.5
DRE	Drenchia	2.25 53	ePn	Pn	07 00 39.4 -2.0
DRE	Drenchia	2.25 53	ePn	Pn	07 00 39.4 -2.0
RORO	Rocca Rossa	2.26 252	AML	AML	
RORO	comp=E,53700um,0.7s		AML	AML	
RORO	Rocca Rossa	2.26 252	AML	AML	
RORO	comp=N,39750um,1.4s		AML	AML	
LATE	Laterza	2.30 166	AML	AML	
LATE	comp=E,47450um,1.6s		AML	AML	
LATE	Laterza	2.30 166	AML	AML	
MOMA	Monte Martano	2.32 151	AML	AML	
MOMA	comp=N,42050um,1.6s		AML	AML	
MOMA	Monte Martano	2.32 151	AML	AML	
MOMA	comp=N,40600um,1.6s		AML	AML	
MOMA	comp=E,50400um,1.6s		AML	AML	
MOMA	comp=N,40150um,1.6s		AML	AML	
MOMA	comp=E,50700um,1.6s		AML	AML	
VOJS	Vojsko	2.32 58	iPn	Pn	07 00 40.6 -1.7
VOJS	Vojsko	2.32 58	iPn	Pn	07 00 40.6 -1.7
FUSIO	Fusio	2.33 315	iP	Pn	07 00 41.2 -1.2
FUSIO	comp=E,217um,0.6s				
CADU	Cadrg	2.34 53	iPn	Pn	07 00 41.3 -1.2
CADU	Cadrg	2.34 53	iPn	Pn	07 00 40.7 -1.9
CADU	Cadrg	2.34 53	iPn	Pn	07 00 40.7 -1.9

JAVS	Javornik	2.37 63	iPn	Pn	07 00 41.1 -1.9
JAVS	Javornik	2.37 63	iPn	Pn	07 01 12.0 +0.2
JAVS	Javornik	2.37 63	iPn	Pn	07 00 41.1 -1.9
JAVS	Javornik	2.37 63	iPn	Pn	07 01 12.0 +0.2
RITOM	Lago Ritom (SB	2.37 316	iP	Pn	07 00 41.3 -1.9
RITOM	comp=E,85um,0.6s				
RITOM	Lago Ritom (SB	2.37 316	iP	Pn	07 00 42.2 -1.0
RITOM	Cave del Predi	2.38 47	ePn	Pn	07 00 41.1 -2.0
PRED	Cave del Predi	2.38 47	ePn	Pn	07 00 41.3 -2.0
LSR	Lussari	2.38 46	ePn	Pn	07 00 41.3 -2.0
LSR	Lussari	2.38 46	ePn	Pn	07 00 41.3 -2.0
ACOM	Acomizza, Ital	2.42 44	ePn	Pn	07 00 42.2 -1.7
ACOM	Acomizza, Ital	2.42 44	ePn	Pn	07 00 42.2 -1.7
ACOM	Acomizza, Ital	2.42 44	AML	AML	
ACOM	Acomizza, Ital	2.42 44	AML	AML	
TRAV	Traversella	2.43 287	iP	Pn	07 00 41.6 -2.3
TRAV	comp=E,265um,1.0s				
TRAV	Traversella	2.43 287	iP	Pn	07 00 41.7 -2.2
TRAV	Cave del Predi	2.45 73	iPn	Pn	07 00 42.0 -2.1
KNDS	Knezi Dol	2.45 73	iPn	Pn	07 00 42.0 -2.1
KNDS	Knezi Dol	2.45 73	iPn	Pn	07 00 42.0 -2.1
WTTA	Wattenberg	2.45 9	ePn	Pn	07 00 44.4 +0.1
WTTA	comp=E,111um,1.0s				
WTTA	Wattenberg	2.45 9	ePn	Pn	07 00 43.9 -0.4
WTTA	comp=E,318um,0.2s,SNR=1091		Sg	Sb	07 01 19.8 +1.2
WTTA	Wattenberg	2.45 9	Pn	Pn	07 00 43.9 -0.4
WTTA	comp=N,18um,0.2s,SNR=1000		Sg	Sb	07 00 44.2 -0.1
WTTA	Wattenberg	2.45 9	ePn	Pn	07 01 19.8 +1.2
WTTA	comp=E,45um,0.8s				
WTTA	Wattenberg	2.45 9	AML	AML	
WTTA	comp=N,81000um,0.8s		AML	AML	
WTTA	Wattenberg	2.45 9	AML	AML	
LLS	Linth-Limmern	2.46 325	iP	Pn	07 00 41.8 -2.6
LLS	comp=N,57um,1.4s				
MMK	Matmark	2.49 300	eP	Pn	07 00 41.7 -3.1
MMK	Matmark	2.49 300	eP	Pn	07 00 42.1 -2.7
CESX	Cesi	2.49 153	AML	AML	
CESX	comp=N,47950um,0.6s		AML	AML	
CESX	Cesi	2.49 153	AML	AML	
PLONS	Plons/Sg	2.50 333	iP	Pn	07 00 42.2 -2.6
PLONS	comp=E,89um,1.4s				
PLONS	Plons/Sg	2.50 333	ePn	Pn	07 00 45.5 +0.7
PLONS	Plons/Sg	2.50 333	Pn	Pn	07 00 45.5 +0.7
MOTA	Moosalm	2.50 1	ePn	Pn	07 00 45.3 +0.4
MOTA	comp=E,4um,0.6s,SNR=4150				
MOTA	Moosalm	2.50 1	Pn	Pn	07 00 45.3 +0.4
WATA	Walderalm	2.52 8	ePn	Pn	07 00 45.5 +0.4
WATA	comp=N,33um,0.2s,SNR=1747				
WATA	Walderalm	2.52 8	Pn	Pn	07 00 45.5 +0.4
WATA	comp=N,32um,0.2s,SNR=1000				
CEY	Cerknica	2.54 68	iPn	Pn	07 00 43.2 -2.1
CEY	Cerknica	2.54 68	iPn	Pn	07 00 44.2 -1.2
MYKA	Terra Mystica	2.54 44	ePn	Pn	07 01 25.5 -0.7
MYKA	comp=E,90um,0.3s,SNR=477				









1875 2012 MAY 29d 7h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes entries like KARP Karpatos, HFS Hagfors, PMTG Montana, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes entries like KEFZ Antalya-Kepez, CHBY Cihanbeyli, BR131 Keskin Array S, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes entries like ANDN Andirin, CUKAN kangal\_SIVAS, CIA Chichaua, etc.











29d 7h

Table with columns: ID, Name, Az, El, SNR, R, P, Az, El, SNR, R, P. Includes entries like L38A Oak Wood Farm, M39A Webster, DOT Dot Lake, etc.

2012 MAY

Table with columns: RND, Name, Az, El, SNR, R, P, Az, El, SNR, R, P. Includes entries like RND Reindeer, S44A Carbondale, R43A Fort Valley, etc.

1880

Table with columns: PPLA, Name, Az, El, SNR, R, P, Az, El, SNR, R, P. Includes entries like PPLA Lake Butler, CCM Cathedral Cave, CCM Cathedral Cave, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like T42A Van Buren, 453A Whigham, U43A Rector, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like BGNE Belgrade, BGNE Belgrade, BGNE Dozier, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like Z44A Pea Ridge, 448A Bay Minette, 246A Jacks Lee, etc.

29d 7h

2012 MAY

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like PHWY Pilot Hill, PHWY Pilot Hill, PHWY Pilot Hill, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like TEY, TEY, TEY, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like INCN Inchon, BMO Blue Mountains, and many others.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like P17A, PV01 Paradox Valley, F03A F03A, and many others.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like YUK Yuzh-Kuril'sk, YUK Yuzh-Kuril'sk, YUK Summer Lake, and many others.



Table with columns for station ID, name, coordinates, and status. Includes stations like Mitsune, Zaicba, Santa Cruz Isl, Bangkinang, Juriquilla Cam, San Clemente I, Universidad N, Kota Tinggi, Santa Rosalia, La Paz, Tagaytay City, La Paz, Villa Florida, West Island, Kuching, Sibuyan, Kota Kinabalu, Nana, Minye Minye, Las Campanas, Jajag, Banyuwya, Tololo Observa, Tornquist, Hope Point, Midway, Peldehue, Ternate, Guam, Hualaeo, Maumere, Paso Flores, Wake Island, East Falkland, Soe, Kipapa, Fak Fak, Hawaii Prepara, Pohakuloa, Steaming Bluff, and Observatory Le.

Table with columns for station ID, name, coordinates, and status. Includes stations like Sand Hill, Nazarevskaya, Neumayer-Watz, Sanaa, Sanaa, Neumayer Olymp, Marble Bar, Johnson Island, Mawson, Fitzroy Crossi, Mantion Dam, Pohnpei, Manus Island, Narrogin (SRO), Palmer Station, Rabaul, Warramunga Arr, WRA, WRAB, Warramunga Arr, Alice Springs, Alice Springs, Tarawa, Casey, QSPA, Charters Tower, Honiara, Buckleboo, Nuku Hiva Isla, Nuku Hiva Isla, Stephens Creek, Rikitea, Rikitea, Vanda, Vanda, Pomariorio Ree, Vahia, Armida, Canberra, Canberra, Papeete, Papeete, Taravato, Tasmania Unive, Tasmania Unive, Afiamalu, Afiamalu, Mont Dzumac, Mont Dzumac, Mont Dzumac, Mont Dzumac, Nonsavu, Nonsavu, Tubuai, Tubuai, South Karori, and Komandorsky Islands region.

Table with columns for station ID, name, coordinates, and status. Includes stations like Mys Kozlova, Kizimen, Bezymyannyi-Gr, Koryabinski, Kamenistaya, Nalytchevo, Sedlova, Uglro, Somma, Koryabinski, AVH, Ganal, Khodutka, Kamc, Novi di Modena, Loc. Fossa, Co, Loc. Fossa, Co, Loc. Cortile, Loc. Cortile, Loc. Limidi di, Loc. Limidi di, SanFelice sul, SanFelice sul, Massa Finalese, Massa Finalese, RAVARAVARINO, RAVARAVARINO, Loc. Stoppiaro, Loc. Stoppiaro, Novella, Novella, Novella, Massa Finalese, Massa Finalese, Palata Pepoli, Palata Pepoli, Modena, Modena, Bondeno (FE), Bondeno (FE), Casumar (Bond), Casumar (Bond), Castello D'Arg, Castello D'Arg, Dosso, Cento, Dosso, Cento, Loc. Veratica, Loc. Veratica, Loc. Casaglia, Loc. Casaglia, San Bartolomeo, San Bartolomeo, Correggio (RE), Correggio (RE), Teolo, Teolo, Teolo, Teolo, Rovera Verone, Rovera Verone, Casumar (Bond), Casumar (Bond), Dosso, Cento, Dosso, Cento, Marana (Italy), Marana (Italy), Salar, Salar, Poppiglio, Poppiglio, Bagni Di Lucca, Bagni Di Lucca, Scarpieria, Scarpieria, Magasa, Magasa, Dosso del Som, Dosso del Som, Roncone, Roncone, Roncone, Roncone, Cima Grappa, Cima Grappa, Panarotta, Panarotta, Casumar (Bond), Casumar (Bond), Dosso, Cento, Dosso, Cento.



Table with columns: T0803, T0803 Dosso, Cento ( 0.12 111 P Sg, T0805 Bondeno (FE) 0.14 41 S P, etc.

ROM 29 07:09:54.0.2.44:864N.0:005:11:102E:0:008, h8km, ML3.6/1

CSEM 29 07:09:54.0.44:86N.11:10E, h8km, ML3.6/4

ISC 29 07:09:56.8.1.2.44:88N.0:04:11.08E:0:05, h5km, 13km, n21, c073/26, Northern Italy

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SanFelice sul, Dosso, Cento, etc.

CSEM 29 07:11:22.7.0.1.44:83N.11:12E, h15km, ML3.6, Error ellipse: s-maj=4.9km s-min=3.1km az=88.0

IASPEI 29 07:11:22.7.0.8.44:86N.0:02:11:13E:0:02, h14km, 4km, Error ellipse: s-maj=3.6km s-min=3.3km az=71.8, 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

ISCJB 29 07:11:22.7.0.4.44:89N.0:02:11:12E:0:03, h13km, 3km, Error ellipse: s-maj=4.2km s-min=3.0km az=157.4

ROM 29 07:11:22.4.0.1.44:853N.0:003:11:11E:0:003, h8km, ML3.6/8

ISC 29 07:11:22.7.0.8.44:87N.0:02:11:13E:0:03, h14km, 4km, n58, c074/71, 7C-15D, Northern Italy

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SanFelice sul, Dosso, Cento, etc.

ISCJB 29 07:11:55.4.1.5.7:05:0:1:105:14E:0:09, h65km, 11km, mb4.1/6, Error ellipse: s-maj=22.7km s-min=10.7km

DJA 29 07:11:55.4.1.0.7:5:6:10:5E, h20km, 5km, M4.3/7, ML4.3/7

IDC 29 07:11:58.9.4.7.6:89S.105:31E, h83km, 38km, mb3.7/6, s-maj 3.8/7, mb tmx3.4/65, mb tpm4.0/7, Error ellipse: s-maj=49.2km s-min=19.6km az=48.0

ISC 29 07:11:55.1.2.2.7:05:0:1:105:12E:0:1, h47km, 17km, n22, c174/22, mb4.1/6, Sunda Strait

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Cibirong, Serang, Sukabumi, etc.

Table with columns: TEOL, MARN Marana (Italy) 0.78 4 ePg, MARN Marana (Italy) 0.78 4 ePg, etc.

BALD Monte Baldo 0.85 345 ePg, BALD Monte Baldo 0.85 345 ePg, SANDRINO 0.85 24 AML

SANR comp=N,9350um,0.5s, SANR comp=N,8795um,0.2s, SANR comp=N,9350um,0.5s

SALO Salir 0.86 331 Pg, SALO Salir 0.86 331 Pg, SALO Salir 0.86 331 AML

SALO comp=N,5165um,0.8s, SALO comp=N,365um,0.3s, SALO comp=N,5165um,0.8s

MAGA comp=N,12420um,0.3s, MAGA comp=N,12420um,0.3s, MAGA comp=N,12420um,0.3s

MAGA comp=N,11800um,1.1s, DOSS Dosso del Somm 1.02 2 ePg, DOSS Dosso del Somm 1.02 2 ePg

DOSS Dosso del Somm 1.02 2 ePg, DOSS Dosso del Somm 1.02 2 ePg, DOSS Dosso del Somm 1.02 2 ePg

CGRP Cima Grappa 1.12 25 ePg, CGRP Cima Grappa 1.12 25 ePg, CGRP Cima Grappa 1.12 25 ePg

MTLO Montello 1.17 35 ePg, MTLO Montello 1.17 35 ePg, MTLO Montello 1.17 35 ePg

RNI Roncone 1.17 343 ePg, RNI Roncone 1.17 343 ePg, RNI Roncone 1.17 343 ePg

PANI Panarotta 1.19 7 ePg, PANI Panarotta 1.19 7 ePg, PANI Panarotta 1.19 7 ePg

CTI Castelfelino 1.24 17 AML, CTI comp=E,2895um,1.3s, CTI comp=N,4615um,0.2s

CTI comp=N,4615um,0.2s, VARN Col Varnada, M 1.32 31 ePg, VARN Col Varnada, M 1.32 31 ePg

POLC Polcenigo 1.51 39 AML, POLC comp=N,1275um,0.6s, POLC comp=N,1275um,0.6s

POLC comp=N,1055um,0.5s, POLC comp=N,1055um,0.5s, POLC comp=N,1055um,0.5s

BRMO Bormio 1.70 342 AML, BRMO comp=N,426um,0.5s, BRMO comp=N,560um,0.7s

BRMO comp=N,560um,0.7s, ABSI Aberstueck 1.87 4 AML, ABSI comp=N,1560um,0.6s

ABSI comp=N,1560um,0.6s, ABSI comp=N,1560um,0.6s, ABSI comp=N,1560um,0.6s

CLL Collim 6.57 10 eSg, CLL collim 6.57 10 eSg, CLL collim 6.57 10 eSg

ISCJB 29 07:11:55.4.1.5.7:05:0:1:105:14E:0:09, h65km, 11km, mb4.1/6, Error ellipse: s-maj=22.7km s-min=10.7km

DJA 29 07:11:55.4.1.0.7:5:6:10:5E, h20km, 5km, M4.3/7, ML4.3/7

IDC 29 07:11:58.9.4.7.6:89S.105:31E, h83km, 38km, mb3.7/6, s-maj 3.8/7, mb tmx3.4/65, mb tpm4.0/7, Error ellipse: s-maj=49.2km s-min=19.6km az=48.0

ISC 29 07:11:55.1.2.2.7:05:0:1:105:12E:0:1, h47km, 17km, n22, c174/22, mb4.1/6, Sunda Strait

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Cibirong, Serang, Sukabumi, etc.

ISCJB 29 07:13:43.3.0.44:89N.11:06E, h2km, ML3.4/4, Error ellipse: s-maj=9.5km s-min=5.5km az=114.0

VIE 29 07:13:43.8.1.44:90N.11:04E, h8km, mb3.2/15, Error ellipse: s-maj=10.6km s-min=6.3km az=134.0 50 km NNW of Bologna

PRU 29 07:13:46.0.45:01N.10:99E, h18km, ROM 29 07:13:42.3.0.1.44:869N.0:003:10.932E:0:003, h8km, ML3.6/21, 6C-6D, Northern Italy

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Novelliara, Loc. Cortile, etc.

Table with columns: T0802 SanFelice sul 0.02 43 eP, T0802 SanFelice sul 0.02 43 eS, T0813 Massa Finalese 0.04 55j eS, etc.

CSEM 29 07:13:27.5.44:85N.11:15E, h8km, ML3.2/8, ROM 29 07:13:27.5.0.2.44:850N.0:008:11:15E:0:01, h8km, ML3.2/2, 1D, Northern Italy

Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SanFelice sul, Massa Finalese, etc.

T0802 SanFelice sul 0.03 43 P, T0802 SanFelice sul 0.03 43 S, T0802 SanFelice sul 0.03 43 P

T0800 Massa Finalese 0.07 91 P, T0800 Massa Finalese 0.07 91 S, T0800 Massa Finalese 0.07 91 P

T0800 comp=N,2280um,0.3s, T0800 comp=N,2715um,0.4s, T0800 comp=N,2715um,0.4s

T0800 comp=N,2715um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s

T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s, T0800 comp=N,2765um,0.4s



29d 7h

Table with columns: Code, Station Name, Az, El, Op, P, S, G, Res, Time, Res, ISC. Includes stations like Casamaru (Bond), Dosso, Cento, Seramide, etc.

CSEM 29 07:22:57.4, 44.82N, 11.08E, h12km, ML2.8/8
ROM 29 07:22:56.5, 0.2, 44.816N, 0.006, 11.15E, 0.01, h9km, ML2.7/3, 2C-3D, Northern Italy

Table with columns: Code, Station Name, Az, El, Op, P, S, G, Res, Time, Res, ISC. Includes stations like RAVARAVINO, SANFELICE SUL, MASSA FINALESE, etc.

ISCJB 29 07:23:30.2, 0.4, 42.65N, 0.01, 23.05E, 0.02, h3km, 2km, mb4, 1/23, MS4.9/1, Error ellipse: s-maj=2.0km s-min=1.8km az=44.4
MOS 29 07:23:30.8, 1.1, 42.65N, 23.05E, h15km, mb4.3/15, Error ellipse: s-maj=7.1km s-min=4.9km az=87.4
IDC 29 07:23:30.8, 0.7, 42.67N, 22.88E, h0km, mb3.9/13, mb1 4.1/21, mb1mx3.9/65, mbmp3.9/21, ML3.5/9, Error ellipse: s-maj=12.2km s-min=10.3km az=15.0

2012 MAY

CSEM 29 07:23:31.4, 0.1, 42.66N, 23.05E, h5km, mb4.3/9, Error ellipse: s-maj=2.6km s-min=2.1km az=55.0
BEO 29 07:23:31.7, 0.2, 42.65N, 23.01E, h7km, 1km PDG 29 07:23:32.1, 0.7, 42.58N, 22.93E, h3km, 1km, ML4.0/14, Error ellipse: s-maj=0.9km s-min=1.2km az=0.0
THE 29 07:23:32.6, 42.58N, 22.94E, h7km, 2km, ML3.9/8, Error ellipse: s-maj=3.7km s-min=0.5km az=18.0
NEIC 29 07:23:32.0, 0.0, 42.68N, 22.96E, h15km, mb4.5/6, ML3.9(THE), ML4.0(BEO), ML3.9(SOF), ML4.5(BUC), After SOF.

NEIC Felt [I] at Sofia. Also felt at Dupnitsa and Pernik. Felt at Leskovac, Nis and Pirovt, Serbia.

TIR 29 07:23:36.1, 42.29N, 22.59E, h20km, Mds.9/6, ISC 29 07:23:31.2, 1.0, 42.63N, 0.02, 22.97E, 0.01, h3km, 6km, n341, s1953/447, mb4.2/13, 35C-30D, Bulgaria

Main table with columns: Code, Station Name, Az, El, Op, P, S, G, Res, Time, Res, ISC. Includes stations like Vitosha, Vitosha, Vitosha, etc.

1888

Table with columns: KZN, KZAN, KZAN, KOLASIN, KOLASIN, KOLASIN, etc. Includes stations like Kozani, Kozani, Kozani, etc.

Table with columns for station code, name, frequency, and other parameters. Includes stations like BLY Banja Luka, MORH M'rt'gy, Hung, ISK Istanbul-Kandi, etc.

Table with columns for station code, name, frequency, and other parameters. Includes stations like BRVK Borovoye, BVAR Borovoye Array, TOAO Torodi Ar. Sit, etc.

Table with columns for station code, name, frequency, and other parameters. Includes stations like IDC 29 07:27:03.2, TXAR Lajitas Array, ASAR Alice Springs, etc.

Table with columns for station code, name, frequency, and other parameters. Includes stations like T0805 comp=N,6740um,0.4s, T0805 comp=N,7560um,0.9s, SBPO comp=N,14150um,0.3s, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Contains station data for stations like MAIM, CRMI, CGRP, RNI, SFI, PANI, MTLO, ASQU, CAE, PARC, BRMO, OZOL, POLC, CARE, BRMO, CAFI, PIEI, ATPC, ATPI, MPAG, ATBU, ATVA, ATTE, GERES, BRG, CLL, TORD, KURBB, MKAR.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Contains station data for stations like T0818, T0819, T0820, T0821, T0822, T0823, T0824, T0825, T0826, T0827, T0828, T0829, T0830, T0831, T0832, T0833, T0834, T0835, T0836, T0837, T0838, T0839, T0840, T0841, T0842, T0843, T0844, T0845, T0846, T0847, T0848, T0849, T0850, T0851, T0852, T0853, T0854, T0855, T0856, T0857, T0858, T0859, T0860, T0861, T0862, T0863, T0864, T0865, T0866, T0867, T0868, T0869, T0870, T0871, T0872, T0873, T0874, T0875, T0876, T0877, T0878, T0879, T0880, T0881, T0882, T0883, T0884, T0885, T0886, T0887, T0888, T0889, T0890, T0891, T0892, T0893, T0894, T0895, T0896, T0897, T0898, T0899, T0900, T0901, T0902, T0903, T0904, T0905, T0906, T0907, T0908, T0909, T0910, T0911, T0912, T0913, T0914, T0915, T0916, T0917, T0918, T0919, T0920, T0921, T0922, T0923, T0924, T0925, T0926, T0927, T0928, T0929, T0930, T0931, T0932, T0933, T0934, T0935, T0936, T0937, T0938, T0939, T0940, T0941, T0942, T0943, T0944, T0945, T0946, T0947, T0948, T0949, T0950, T0951, T0952, T0953, T0954, T0955, T0956, T0957, T0958, T0959, T0960, T0961, T0962, T0963, T0964, T0965, T0966, T0967, T0968, T0969, T0970, T0971, T0972, T0973, T0974, T0975, T0976, T0977, T0978, T0979, T0980, T0981, T0982, T0983, T0984, T0985, T0986, T0987, T0988, T0989, T0990, T0991, T0992, T0993, T0994, T0995, T0996, T0997, T0998, T0999, T1000.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Contains station data for stations like FIU, OPPE, PRMA, CMPO, TEOL, IMOL, MARN, MAGA, DOSS, CTLE, MAIM, MAIM, CGRP, RNI, MTLO, PANI, PLMA, CAUP.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Contains station data for stations like APYP, ABRA, SGGP, CVP, CAUP.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Contains station data for stations like T0821, T0822, T0823, T0824, T0825, T0826, T0827, T0828, T0829, T0830, T0831, T0832, T0833, T0834, T0835, T0836, T0837, T0838, T0839, T0840, T0841, T0842, T0843, T0844, T0845, T0846, T0847, T0848, T0849, T0850, T0851, T0852, T0853, T0854, T0855, T0856, T0857, T0858, T0859, T0860, T0861, T0862, T0863, T0864, T0865, T0866, T0867, T0868, T0869, T0870, T0871, T0872, T0873, T0874, T0875, T0876, T0877, T0878, T0879, T0880, T0881, T0882, T0883, T0884, T0885, T0886, T0887, T0888, T0889, T0890, T0891, T0892, T0893, T0894, T0895, T0896, T0897, T0898, T0899, T0900, T0901, T0902, T0903, T0904, T0905, T0906, T0907, T0908, T0909, T0910, T0911, T0912, T0913, T0914, T0915, T0916, T0917, T0918, T0919, T0920, T0921, T0922, T0923, T0924, T0925, T0926, T0927, T0928, T0929, T0930, T0931, T0932, T0933, T0934, T0935, T0936, T0937, T0938, T0939, T0940, T0941, T0942, T0943, T0944, T0945, T0946, T0947, T0948, T0949, T0950, T0951, T0952, T0953, T0954, T0955, T0956, T0957, T0958, T0959, T0960, T0961, T0962, T0963, T0964, T0965, T0966, T0967, T0968, T0969, T0970, T0971, T0972, T0973, T0974, T0975, T0976, T0977, T0978, T0979, T0980, T0981, T0982, T0983, T0984, T0985, T0986, T0987, T0988, T0989, T0990, T0991, T0992, T0993, T0994, T0995, T0996, T0997, T0998, T0999, T1000.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Contains station data for stations like PLMA, CTI, CAUP.





ROM 29 07:34:57.9.0.1, 44:306N.0:004:11:006E.0:003, h8km, ML3, 8/6  
 ISCJB 29 07:34:58.6.0.7, 44:87N.0:04:10:91E.0:07: h16km, 6km, Error ellipse: s-maj=8.9km s-min=6.0km az=25.9  
 CSEM 29 07:34:58.0.0.2, 44:93N.10:92E, h10km, ML3.7, Error ellipse: s-maj=9.1km s-min=4.8km az=101.0  
 PRU 29 07:35:07.2.45:42N.11:08E, h7km  
 ISC 29 07:34:59.0.8, 44:91N.0:03:11:00E.0:04, h12km, 5km, n41, c1933/52, 5C-9D, Northern Italy

Code	Station Name	Δ°	AZ°	Op	ISC	Time	Res
						h m s	ISC
T0818	Loc. Fossa, Co	0.03	40	iP	Pg	07 35 00.1	-1.1
T0818	Loc. Fossa, Co	0.03	40	iP	Sg	07 35 02.7	-0.1
T0818	Loc. Fossa, Co	0.03	40	iP	Pg	07 35 00.1	-1.1
T0814	Loc. Cortile,	0.12	191	iP	Pg	07 35 01.2	-0.8
T0814	Loc. Cortile,	0.12	191	iP	Sg	07 35 04.9	+0.6
T0814	Loc. Cortile,	0.12	191	iP	Pg	07 35 01.2	-0.8
T0802	SanFelice sul	0.13	105	AML	AML		
T0802	SanFelice sul	0.13	105	AML	AML		
T0812	Loc. Stoppiano	0.14	70	eP	Pg	07 35 01.8	-0.5
T0812	Loc. Stoppiano	0.14	70	eP	Pg	07 35 01.8	-0.5
T0812	Loc. Stoppiano	0.14	70	eP	Pg	07 35 03.1	+0.5
T0824	Loc. Limidi di	0.16	199	eP	Pg	07 35 02.2	-0.4
T0824	Loc. Limidi di	0.16	199	eP	Pg	07 35 06.7	+1.5
T0824	Loc. Limidi di	0.16	199	eP	Pg	07 35 02.2	-0.4
RAVA	Ravarino	0.17	151	iP	Pg	07 35 02.3	-0.6
RAVA	Ravarino	0.17	151	iP	Pg	07 35 07.3	+1.7
RAVA	Ravarino	0.17	151	iP	Pg	07 35 02.3	-0.6
RAVA	comp=E, 55050μm, 0.9s						
T0800	Massa Finalese	0.19	109	AML	AML		
T0800	Massa Finalese	0.19	109	AML	AML		
T0800	comp=E, 84400μm, 0.2s						
T0800	comp=N, 45350μm, 1.2s						
T0800	comp=N, 45200μm, 1.2s						
NOVE	Novellara	0.23	241	eP	Pg	07 35 03.5	-0.3
NOVE	Novellara	0.23	241	eP	Sb	07 35 09.9	+2.7
NOVE	Novellara	0.23	241	eP	Pg	07 35 03.5	-0.3
NOVE	comp=E, 9585μm, 0.3s						
NOVE	comp=N, 10250μm, 0.3s						
T0822	Casumaru (Bond	0.26	107	AML	AML		
T0822	Casumaru (Bond	0.26	107	AML	AML		
T0822	comp=E, 24200μm, 0.3s						
T0822	comp=N, 15000μm, 0.8s						
TEOL	Teolo	0.65	46	eP	Pb	07 35 12.1	-0.3
TEOL	Teolo	0.65	46	eP	Sg	07 35 23.3	-1.0
TEOL	Teolo	0.65	46	eP	Pb	07 35 12.1	-0.3
MARN	Marana (Italy)	0.74	11	eP	Pb	07 35 13.8	0.0
MARN	Marana (Italy)	0.74	11	eP	Sg	07 35 26.9	+0.3
MARN	Marana (Italy)	0.74	11	eP	Pb	07 35 17.6	-0.3
DOSS	Dosso del Somm	0.98	8	eP	Pg	07 35 17.6	-0.3
DOSS	Dosso del Somm	0.98	8	eP	Pg	07 35 17.6	-0.3
RNI	Roncone	1.10	346	eP	Pb	07 35 18.9	-1.2
RNI	Roncone	1.10	346	eP	Pb	07 35 18.9	-1.2
CGRP	Cima Grappa	1.12	30	eP	Pb	07 35 19.7	-0.7
CGRP	Cima Grappa	1.12	30	eP	Pb	07 35 19.7	-0.7
PANI	Panarotta	1.17	12	eP	Pb	07 35 19.7	-1.4
MTLO	Montello	1.19	40	eP	Pn	07 35 21.4	-0.1
MTLO	Montello	1.19	40	eP	Sg	07 35 38.3	+0.8
MTLO	Montello	1.19	40	eP	Pn	07 35 21.4	-0.1
MTLO	Montello	1.19	40	eP	Sg	07 35 38.3	+0.8
ASQU	Asqua	1.25	153	AML	AML		
ASQU	comp=N, 481μm, 0.4s						
ASQU	comp=E, 454μm, 0.5s						
VARN	Col Varnada, M	1.33	35	eP	Pn	07 35 23.4	-0.1
VARN	Col Varnada, M	1.33	35	eP	Sg	07 35 42.5	+0.5
VARN	Col Varnada, M	1.33	35	eP	Pn	07 35 23.4	-0.1
VARN	Col Varnada, M	1.33	35	eP	Sg	07 35 42.5	+0.5
OZOL	Ozolo	1.50	1	eP	Pn	07 35 25.5	-0.3
OZOL	Ozolo	1.50	1	eP	Pn	07 35 25.5	-0.3
CARE	Lago del Cares	1.53	352	eP	Pn	07 35 26.6	+0.1
CARE	Lago del Cares	1.53	352	eP	Pn	07 35 26.6	+0.1
KHC	Kasperske Hory	4.58	22	eP	Pb	07 36 20.0	+0.8
KHC	Kasperske Hory	4.58	22	eP	Sb	07 36 56.6	-4.5
KHC	Kasperske Hory	4.58	22	eP	Pb	07 37 16.8	+2.5
KHC	Kasperske Hory	4.58	22	eP	Sb	07 36 20.0	+0.8
KHC	Kasperske Hory	4.58	22	eP	Sg	07 36 56.6	-4.5
KHC	Kasperske Hory	4.58	22	eP	Sg	07 37 16.8	+2.5
BRG	Berggiashubel	6.29	17	PG	Pn	07 36 32.7	+1.3
CLL	Colim	6.54	11	eSg	Pg	07 38 28.0	-0.8
CLL	comp=Z, 8.0nm, 0.7s						

CSEM 29 07:35:22.3, 44:88N.11:07E, h11km, ML3, 2/71  
 ROM 29 07:35:22.3, 0.1, 44:382N.0:002:11:08E.0:003, h11km, ML3.2/36, 2C-9D, Northern Italy

Code	Station Name	Δ°	AZ°	Op	ISC	Time	Res
						h m s	ISC
T0818	Loc. Fossa, Co	0.06	333	iP	Pg	07 35 25.2	+0.7
T0818	Loc. Fossa, Co	0.06	333	iP	Sg	07 35 27.9	+1.9
T0818	Loc. Fossa, Co	0.06	333	iP	Pg	07 35 25.2	+0.7
T0818	Loc. Fossa, Co	0.06	333	iP	Sg	07 35 27.9	+1.9
T0802	SanFelice sul	0.08	95	eP	Pg	07 35 26.4	+1.7
T0802	SanFelice sul	0.08	95	eP	Sg	07 35 30.2	+3.8
T0802	SanFelice sul	0.08	95	eP	Pg	07 35 26.4	+1.7
T0802	SanFelice sul	0.08	95	eP	Sg	07 35 30.2	+3.8
T0813	Massa Finalese	0.09	93	eP	Pg	07 35 26.6	+1.8
T0813	Massa Finalese	0.09	93	eP	Sg	07 35 30.4	+3.7
T0813	Massa Finalese	0.09	93	eP	Pg	07 35 26.6	+1.8
T0813	Massa Finalese	0.09	93	eP	Sg	07 35 30.4	+3.7
T0812	Loc. Stoppiano	0.11	48	eP	Pb	07 35 26.5	+0.1
T0812	Loc. Stoppiano	0.11	48	eP	Pb	07 35 26.5	+0.1
T0814	Loc. Cortile,	0.11	218	iP	Pg	07 35 25.0	-0.1
T0814	Loc. Cortile,	0.11	218	iP	Sg	07 35 29.4	+2.3
T0814	Loc. Cortile,	0.11	218	iP	Pb	07 35 26.0	-0.5
T0814	Loc. Cortile,	0.11	218	iP	Sg	07 35 29.4	+2.3
RAVA	Ravarino	0.13	164	iP	Pg	07 35 29.8	+0.4
RAVA	Ravarino	0.13	164	iP	Sg	07 35 30.9	+3.3
RAVA	Ravarino	0.13	164	iP	Pg	07 35 25.8	+0.4
RAVA	Ravarino	0.13	164	iP	Sg	07 35 30.9	+3.4
RAVA	comp=E, 55050μm, 0.9s						
T0800	Massa Finalese	0.13	105	eP	Pb	07 35 27.6	+0.8
T0800	Massa Finalese	0.13	105	eP	Sg	07 35 31.3	+3.7
T0800	Massa Finalese	0.13	105	eP	Pb	07 35 27.6	+0.8
T0800	Massa Finalese	0.13	105	eP	Sg	07 35 31.3	+3.7
T0824	Loc. Limidi di	0.16	219	iP	Pg	07 35 26.0	+0.2
T0824	Loc. Limidi di	0.16	219	iP	Sg	07 35 31.2	+2.9
T0824	Loc. Limidi di	0.16	219	iP	Pb	07 35 27.0	-0.3
T0824	Loc. Limidi di	0.16	219	iP	Sg	07 35 31.2	+2.9
T0805	Bondeno (FE)	0.18	79	AML	AML		
T0805	comp=E, 32650μm, 0.8s						
T0805	comp=N, 28200μm, 0.6s						
T0822	Casumaru (Bond	0.20	104	eP	Pg	07 35 26.0	-0.6
T0822	Casumaru (Bond	0.20	104	eP	Pg	07 35 26.0	-0.6
T0803	Dosso, Cento (	0.23	120	eP	Pg	07 35 26.4	-0.7
T0803	Dosso, Cento (	0.23	120	eP	Pg	07 35 26.4	-0.7
T0803	comp=E, 19250μm, 0.5s						
T0803	comp=N, 11150μm, 0.8s						
NOVE	Novellara	0.26	252	eP	Pb	07 35 28.7	-0.4
NOVE	Novellara	0.26	252	eP	Sb	07 35 33.9	+0.3
NOVE	Novellara	0.26	252	eP	Pb	07 35 28.7	-0.4
NOVE	Novellara	0.26	252	eP	Sb	07 35 33.9	+0.3
NOVE	comp=E, 9620μm, 0.3s						
NOVE	comp=N, 10220μm, 0.3s						
NOVE	comp=E, 9620μm, 0.3s						
NOVE	comp=N, 10245μm, 0.3s						
NOVE	comp=E, 9585μm, 0.3s						

NOVE	comp=N, 10250μm, 0.3s			AML	AML		
NOVE	comp=E, 9590μm, 0.3s			AML	AML		
NOVE	comp=N, 10245μm, 0.3s			AML	AML		
MODE	Modena	0.27	199	AML	AML		
MODE	comp=E, 49000μm, 0.6s			AML	AML		
MODE	comp=N, 25150μm, 0.8s			AML	AML		
MODE	comp=E, 75950μm, 0.5s			AML	AML		
MODE	comp=N, 40350μm, 0.7s			AML	AML		
MODE	comp=E, 75900μm, 0.5s			AML	AML		
MODE	comp=N, 40300μm, 0.7s			AML	AML		
MODE	comp=E, 75900μm, 0.5s			AML	AML		
MODE	comp=N, 40300μm, 0.7s			AML	AML		
ZCCA	Zocca	0.54	187	AML	AML		
ZCCA	comp=N, 2635μm, 0.7s			AML	AML		
ZCCA	comp=E, 1700μm, 0.5s			AML	AML		
ZCCA	comp=N, 2485μm, 0.7s			AML	AML		
ZCCA	comp=E, 1625μm, 0.5s			AML	AML		
ZCCA	comp=N, 2630μm, 0.7s			AML	AML		
ZCCA	comp=E, 2155μm, 0.7s			AML	AML		
ZCCA	comp=N, 2485μm, 0.7s			AML	AML		
ZCCA	comp=E, 2285μm, 0.7s			AML	AML		
ZCCA	comp=N, 2635μm, 0.7s			AML	AML		
ZCCA	comp=E, 2150μm, 0.7s			AML	AML		
ZCCA	comp=N, 2480μm, 0.7s			AML	AML		
ZCCA	comp=E, 2280μm, 0.7s			AML	AML		
ZCCA	comp=N, 2635μm, 0.7s			AML	AML		
ZCCA	comp=N, 2480μm, 0.7s			AML	AML		
ZCCA	comp=E, 2280μm, 0.7s			AML	AML		
ZCCA							







Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res. Includes stations like SAOF Saorge, PGF Pioggiola, SBF Sospel, OBKA Obir, etc.

Table with columns: KHC Kasperske Hory, KHC KHC, KHC KHC, VIVF VIVF, VIVF VIVF, LANF Langenberg, etc.

Table with columns: T0822 Casumaru (Bond), T0822 Casumaru (Bond), T0805 Bondeno (FE), T0805 Bondeno (FE), T0805 comp=E,6220um,0.7s, etc.

IDC 29 07:50:45.1±58.0, 16.83S<178.26W, h0km, mb4.0/3, mb1 4.2/3, mb1mx3.6/47, mbtmp4.0/3, Error ellipse: s-maj=1065.0km s-min=168.6km az=78.0, Fiji Islands region

CSEM 29 07:52:28.0, 44.84N, 11.24E, h9km, ML2.9/9 ROM 29 07:52:29.0, 0.0, 44.842N, 0.0021, 11.237E, 0.003, h9km, ML2.9/2, 4C-3D, Northern Italy

CSEM 29 07:52:43.0, 44.88N, 11.01E, h8km, ML2.9/34 ROM 29 07:52:44.0, 0.0, 44.884N, 0.0021, 11.005E, 0.003, h8km, ML2.9/19, 3C-4D, Northern Italy

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res. Includes stations like T0818 Loc. Fossa, Co, T0818 Loc. Fossa, Co, T0818 Loc. Cortile, etc.











1901

FROS	Frosini	1.69 178	AML	AML				
FROS	comp=N,1040um,0.7s							
FROS	comp=E,1685um,1.0s		AML	AML				
FROS	comp=N,1040um,0.7s							
FROS	comp=E,1685um,1.0s		AML	AML				
CAFI	Castiglione Fio	1.69 157	AML	AML				
CAFI	comp=N,1230um,0.8s							
CAFI	comp=E,1153um,0.7s		AML	AML				
CAFI	comp=N,1150um,0.8s							
CAFI	comp=E,1164um,0.6s		AML	AML				
CAFI	comp=N,1230um,0.8s							
CAFI	comp=E,1164um,0.6s		AML	AML				
CAFI	comp=N,1230um,0.8s							
CAFI	comp=E,1164um,0.6s		AML	AML				
FSSB	Fossombrone	1.71 134	AML	AML				
FSSB	comp=E,3070um,1.2s							
FSSB	comp=N,5400um,0.5s		AML	AML				
FSSB	comp=N,5400um,0.5s							
PIEI	Piella	1.72 142	AML	AML				
PIEI	comp=N,990um,0.8s							
PIEI	comp=E,1620um,1.5s		AML	AML				
PIEI	comp=N,990um,0.8s							
PIEI	comp=E,1620um,1.5s		AML	AML				
ATPC	Poggio Castell	1.73 144	AML	AML				
ATPC	comp=N,1405um,1.1s							
ATPC	comp=E,1470um,0.5s		AML	AML				
ATPC	comp=N,1405um,1.1s							
ATPC	comp=E,1470um,0.5s		AML	AML				
ATPI	Pietralunga	1.73 146	AML	AML				
ATPI	comp=N,1082um,0.6s							
ATPI	comp=E,1095um,1.3s		AML	AML				
ATPI	comp=N,1082um,0.6s							
ATPI	comp=E,1095um,1.3s		AML	AML				
MPAG	Monte Paganuc	1.75 136	AML	AML				
MPAG	comp=N,1540um,0.6s							
MPAG	comp=E,1395um,0.6s		AML	AML				
MPAG	comp=N,1540um,0.6s							
MPAG	comp=E,1395um,0.6s		AML	AML				
ATBU	Serra di Buran	1.77 143	AML	AML				
ATBU	comp=E,3730um,0.9s							
ATBU	comp=N,3170um,0.5s		AML	AML				
ATBU	comp=N,3170um,0.5s							
ATBU	comp=E,3730um,0.9s		AML	AML				
STAL	STALIGIAL	1.78 39	AML	AML				
STAL	comp=N,3830um,0.3s							
STAL	comp=E,3700um,0.6s		AML	AML				
STAL	comp=N,3830um,0.3s							
STAL	comp=E,3700um,0.6s		AML	AML				
STAL	comp=N,3830um,0.3s							
STAL	comp=E,4510um,0.7s		AML	AML				
STAL	comp=N,3515um,0.8s							
STAL	comp=N,3515um,0.8s		AML	AML				
STAL	comp=E,3700um,0.6s							
STAL	comp=N,3515um,0.8s							
STAL	comp=E,4510um,0.7s		AML	AML				
TRIF	Trionfi	1.78 184	AML	AML				
TRIF	comp=N,625um,0.8s							
TRIF	comp=E,456um,1.6s		AML	AML				
TRIF	comp=N,625um,0.8s							
TRIF	comp=E,456um,1.6s		AML	AML				
ATVO	AVT- Monte Val	1.79 147	AML	AML				
ATVO	comp=E,1620um,0.6s							
ATVO	comp=N,1925um,0.6s		AML	AML				
ATVO	comp=N,1925um,0.6s							
ATVO	comp=E,1620um,0.6s		AML	AML				
FUORN	Ofenpass-Fuorn	1.82 342	ePn	Pb	08 15 43.9 +0.3			
FUORN	Ofenpass-Fuorn	1.82 342	ePn	Pb	08 15 43.9 +0.3			
ATVA	AVT- Monte Val	1.84 151	AML	AML				
ATVA	comp=N,840um,1.3s							
ATVA	comp=E,668um,0.8s		AML	AML				
ATVA	comp=N,840um,1.3s							
ATVA	comp=E,668um,0.8s		AML	AML				
VARE	Varese	1.89 302	AML	AML				
VARE	comp=E,1170um,1.4s							
VARE	comp=N,1035um,0.8s		AML	AML				
VARE	comp=E,1170um,1.4s							
VARE	comp=N,1035um,0.8s		AML	AML				
ATTE	AVT- Monte Tez	1.93 151	AML	AML				
ATTE	comp=E,1146um,1.4s							
ATTE	comp=N,1010um,1.0s		AML	AML				
ATTE	comp=N,1010um,1.0s							
ARVD	Arcevia	1.94 135	AML	AML				
ARVD	comp=N,878um,0.5s							
ARVD	comp=E,849um,1.6s		AML	AML				
ARVD	comp=N,878um,0.5s							
ARVD	comp=E,849um,1.6s		AML	AML				
MURB	Monte Urbino	1.94 147	AML	AML				
MURB	comp=N,2035um,1.1s							
MURB	comp=E,2790um,1.1s		AML	AML				
MURB	comp=N,1990um,1.1s							
MURB	comp=E,2880um,1.1s		AML	AML				
MURB	comp=N,2035um,1.1s							
MURB	comp=N,1990um,1.1s		AML	AML				
MURB	comp=E,2880um,1.1s							
MURB	comp=N,1990um,1.1s		AML	AML				
MURB	comp=E,2790um,1.1s							
BAD	Bernadia	2.03 48	ePn	Pn	08 15 44.6 +0.5			
BAD	Bernadia	2.03 48	ePn	Pn	08 15 44.6 +0.5			
QLNO	Quiliano	2.03 255	AML	AML				
QLNO	comp=N,445um,0.6s							
QLNO	comp=E,445um,0.6s		AML	AML				
QLNO	comp=N,404um,0.7s							
QLNO	comp=N,404um,0.7s		AML	AML				
COLI	Coloredo	2.04 52	ePn	Pn	08 15 44.9 +0.7			
COLI	Coloredo	2.04 52	ePn	Pn	08 15 44.9 +0.7			
ROSI	Roskopf	2.05 6	AML	AML				

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ROSI	comp=E,3310um,0.4s		AML	AML				
ROSI	comp=N,4385um,0.6s							
ROSI	comp=E,3310um,0.4s		AML	AML				
ROSI	comp=N,4385um,0.6s							
FVI	Forni Avoltri	2.08 34	AML	AML				
FVI	comp=N,1355um,0.5s							
FVI	comp=E,1260um,0.5s		AML	AML				
FVI	comp=N,1355um,0.5s							
FVI	comp=E,1260um,0.5s		AML	AML				
SABO	M.te Sabotino	2.08 58	ePn	Pn	08 15 46.0 +1.1			
SABO	M.te Sabotino	2.08 58	ePn	Pn	08 15 46.0 +1.1			
CASP	Castiglione 1.2s	2.11 184	AML	AML				
CASP	comp=N,308um,1.2s							
CASP	comp=E,308um,1.2s		AML	AML				
CASP	comp=N,264um,0.8s							
CASP	comp=N,264um,0.8s		AML	AML				
MGAB	Montegabbione	2.12 159	AML	AML				
MGAB	comp=N,118nm,0.6s							
MGAB	comp=E,986um,0.5s		AML	AML				
MGAB	comp=N,1106um,1.2s							
MGAB	comp=E,1136um,0.5s		AML	AML				
MGAB	comp=N,1026um,1.0s							
MGAB	comp=N,1026um,1.0s		AML	AML				
MGAB	comp=N,1106um,1.2s							
MGAB	comp=N,1106um,1.2s		AML	AML				
MGAB	comp=N,1136um,0.5s							
MGAB	comp=N,1026um,1.0s		AML	AML				
MGAB	comp=N,1026um,1.0s							
MGAB	comp=N,1106um,1.2s		AML	AML				
MGAB	comp=N,1106um,1.2s							
MGAB	comp=N,1136um,0.5s		AML	AML				
MGAB	comp=N,1026um,1.0s							
MGAB	comp=N,1026um,1.0s		AML	AML				
MGAB	comp=N,1106um,1.2s							
MGAB	comp=N,1106um,1.2s		AML	AML				
MGAB	comp=N,1136um,0.5s							
MGAB	comp=N,1026um,1.0s		AML	AML				
MGAB	comp=N,1026um,1.0s							
MGAB	comp=N,1106um,1.2s		AML	AML				
MGAB	comp=N,1106um,1.2s							
MGAB	comp=N,1136um,0.5s		AML	AML				
MGAB	comp=N,1026um,1.0s							
MGAB	comp=N,1026um,1.0s		AML	AML				
MGAB	comp=N,1106um,1.2s							
MGAB	comp=N,1106um,1.2s		AML	AML				
MGAB	comp=N,1136um,0.5s							
MGAB	comp=N,1026um,1.0s		AML	AML				
MGAB	comp=N,1026um,1.0s							
MGAB	comp=N,1106um,1.2s		AML	AML				
MGAB	comp=N,1106um,1.2s							
MGAB	comp=N,1136um,0.5s		AML	AML				
MGAB	comp=N,1026um,1.0s							
MGAB	comp=N,1026um,1.0s		AML	AML				
MGAB	comp=N,1106um,1.2s							
MGAB	comp=N,1106um,1.2s		AML	AML				
MGAB	comp=N,1136um,0.5s							
MGAB	comp=N,1026um,1.0s		AML	AML				
MGAB	comp=N,1026um,1.0s							
MGAB	comp=N,1106um,1.2s		AML	AML				
MGAB	comp=N,1106um,1.2s							
MGAB	comp=N,1136um,0.5s		AML	AML				
MGAB	comp=N,1026um,1.0s							
MGAB	comp=N,1026um,1.0s		AML	AML				
MGAB	comp=N,1106um,1.2s							
MGAB	comp=N,1106um,1.2s		AML	AML				

29d 8h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VYHS Vyhne, DRME Dracevica, DPC Dobruska-Polom, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CLL Collm, MTLF Montlieu, MTRC Moravsky Berou, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PSZ Piszkesteto, GRUS Gruza, TIR Tirane, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KECS Kecovo, SEKS Selova, FNA Florina, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VTS Vitoshka, KEST Kesra, ESDC Sonseca Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ESK Eskdalemuir, FIAO FINESS Array S, FINES FINESS Array S, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ARU Art, TOA1 Torodi Ar. Sit, TORO Torodi Ar. Bea, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KURB Kurchatov, KURK Kurchatov, MK31 Makanchi Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MK32 Makanchi Array, MKAR Makanchi Array, MK01 Makanchi Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SONA Songino Array, SONM Songino Array, YKA Yellowknife Ar, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like IM3 Indian Mountain, ILAR Eielson Array, DHY Denali Highway, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TXAR Lajitas Array, AS31 Alice Springs, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Vnda Vanda, Vnda Vandi, IDC 29 08:17:43.5, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BKI Bering, KBTR Krutoberegovo, MKZ Mys Kozlova, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SMKR Semkarok, ZLN Zelenvaya, BDR Baidarnaya, etc.

2012 MAY

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like IDC 29 08:24:43.4, NEIC 29 08:24:48.2, ATH 29 08:24:48.2, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SIVA Sivas, SIVA Sivas, SIVA Sivas, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ANOY Anoyia, ANOY Anoyia, ANOY Anoyia, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ANOY Anoyia, ANOY Anoyia, ANOY Anoyia, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ANOY Anoyia, ANOY Anoyia, ANOY Anoyia, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ANOY Anoyia, ANOY Anoyia, ANOY Anoyia, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ANOY Anoyia, ANOY Anoyia, ANOY Anoyia, etc.

1902

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MHLO Agia Marina, MHLO Agia Marina, MHLO Agia Marina, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MHLO Agia Marina, MHLO Agia Marina, MHLO Agia Marina, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MHLO Agia Marina, MHLO Agia Marina, MHLO Agia Marina, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MHLO Agia Marina, MHLO Agia Marina, MHLO Agia Marina, etc.

Table with columns: Code, Station Name, Az, El, Pn, Pn, Res, Time, Res. Includes stations like MZDA Masada, PRNI Paran, MBRI Mt Berech, etc.

IDC 29 08:25:49.6, 0.4, 44.78N, 10.88E, h0km, mb4.3/32, mb1.4, 3/4, mb1mx2.7, 6/7, mbtmP4.2/43, ML5.9, MS3.9/8, MS1.3/9, ms1mx3.5/55, Error ellipse: s-maj=1.0, 0.0km s-min=0.1, 1km az=0.0

BUI 29 08:25:49.0, 44.90N, 10.90E, h3km, mb4.8/22, mB5.2/11, M5.4/74, M57.4/64

ZUR 29 08:25:50.3, 44.78N, 10.93E, h9km, 1km, ML4.7/28, MOS 29 08:25:50.0, 1.0, 44.92N, 10.96E, h10km, mb4.6/37, MS4.0/12, Error ellipse: s-maj=4.1km s-min=3.4km az=65.6

LDG 29 08:25:50.1, 0.1, 44.91N, 11.11E, h2km, M15.0/12, Error ellipse: s-maj=4.3km s-min=3.2km az=179.0

ISACJB 29 08:25:51.5, 0.1, 44.82N, 10.01, 10.96E, 0.01, h26km, 1km, mb4.6/145, Error ellipse: s-maj=1.9km s-min=1.4km az=4

PDG 29 08:25:51.5, 1.0, 44.91N, 10.95E, h19km, 1km, ML4.6/14, Error ellipse: s-maj=0.6km s-min=0.9km az=0.0

CSEM 29 08:25:51.8, 0.1, 44.90N, 10.99E, h10km, mb4.7/99, ML4.7/18, Error ellipse: s-maj=1.8km s-min=1.5km az=177.0

ROM 29 08:25:51.5, 0.0, 44.865N, 0.001, 10.948E, 0.001, h8km, ML5.0/5

NEIC 29 08:25:51.0, 0.0, 44.90N, 10.94E, h3km, mb4.8/107, ML4.7(2UR), ML4.5(ROM), ML5.0(LDG), After: ROM, NEIC Fel(III) at Bologna, Modena, Reggio nell'Emilia, Verona and Vicenza. Fell weakly in northern Italy.

PRU 29 08:25:56.5, 49.5N, 11.1E, h39km, M4.8 STR 29 08:25:57.4, 0.8, 45.1N, 11.1E, h5km, M5.2/18, mB5.3/4, mb5.4/4, MLV5.2/18, mB(MB)4.7/4

ISC 29 08:25:52.5, 0.7, 44.88N, 0.001, 10.89E, 0.01, h17km, 4km, n1071, c1544/1244, mb4.7/145, 66C-106D, Northern Italy

Table with columns: Code, Station Name, Az, El, Pn, Pn, Res, Time, Res. Includes stations like Loc. Cortile, Loc. Fossa, Loc. Limidi, etc.

Table with columns: Station Name, Az, El, Pn, Pn, Res, Time, Res. Includes stations like TEOL Teolo, FOND Fontana Vidola, SALO Salò, etc.

Table with columns: Station Name, Az, El, Pn, Pn, Res, Time, Res. Includes stations like WTTA Wattenberg, WTTA Wattenberg, WTTA Wattenberg, etc.



29d 8h

Table with columns for station name, frequency, power, and other technical details. Includes stations like SOKA, UDBI, LMR, LRF, etc.

2012 MAY

Table with columns for station name, frequency, power, and other technical details. Includes stations like SMF, STON, MEZF, ZST, etc.

1904

Table with columns for station name, frequency, power, and other technical details. Includes stations like PLE, BRG, BUM, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like EPFF, NIE, NED, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like TAM, KIV, KBZ, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like TRQ, LONY, ACCN, etc.

29d 8h

JFWS	Jewell Farm	67.90 309	P	P	08 36 49.5 -0.5
I39A	Houston	67.98 310	P	P	08 36 49.8 -0.7
TZTN	Tazewell	68.12 300	P	P	08 36 51.1 -0.5
K41A	Shullsburg	68.13 309	P	P	08 36 51.1 -0.4
L42A	Oliver, Polo	68.17 308	P	P	08 36 51.4 -0.3
O45A	Potomac	68.22 305	P	P	08 36 51.0 -1.0
SEY	Seymchan	68.23 18	P	P	08 36 52.3 +0.5
I38A	Scanlan Farm, comp=Z,1.7nm,0.8s,baz=351,slow=7.4,SNR=4.1	68.29 311	P	P	08 36 52.2 -0.3
J39A	Decorah	68.42 310	P	P	08 36 52.6 -0.6
L41A	Preston	68.59 308	P	P	08 36 53.7 -0.7
N43A	Stutzman Famil	68.59 307	P	P	08 36 53.4 -1.0
WCI	Wyandotte Cave	68.69 303	P	P	08 36 54.0 -1.1
WCI	Wyandotte Cave	68.69 303	eP	pmx	08 36 55.0 -0.1
P45A	Graceiland, P	68.70 305	P	P	08 36 54.1 -1.0
R47A	Wooly Knot Far	68.79 303	P	P	08 36 54.6 -1.0
HODGE	Hodges	68.81 297	eP	P	08 36 55.7 -0.1
IM3	Indian Mountai	68.83 353	eP	P	08 36 57.0 +1.5
J38A	Wedel Dairy, R	68.85 310	P	P	08 36 55.5 -0.4
I37A	Lemond, Waseca	68.88 311	P	P	08 36 55.8 -0.3
DAWY	Dawson	68.89 346	eP	P	08 36 56.8 +0.8
HDIL	Hopedale	68.92 307	eP	P	08 36 55.6 -0.8
HDIL	Hopedale	68.92 307	eP	P	08 36 56.3 -0.1
S48A	Wiedeman Farm,	68.92 302	P	P	08 36 55.5 -1.1
K39A	Delweim	68.94 310	P	P	08 36 55.7 -0.9
L40A	Anamosa	69.00 309	P	P	08 36 56.2 -0.7
F33A	5 Mile Ranch,	69.14 314	P	P	08 36 57.7 -0.1
N42A	Yates City	69.16 307	P	P	08 36 57.1 -0.8
H35A	Sunnyside Ranc	69.17 313	P	P	08 36 58.0 +0.1
ILAR	Eielson Array	69.31 350	P	P	08 36 59.2 +0.7
Q45A	Warren Harvey,	69.36 305	P	P	08 36 58.4 -0.7
L39A	Vinton	69.39 309	P	P	08 36 57.7 -1.7
R46A	Gibson Southern	69.43 304	P	P	08 36 57.8 -1.8
OLIL	Olney	69.43 304	eP	P	08 36 59.3 -0.3
T48A	Bowling Green	69.49 302	P	P	08 36 59.2 -0.8
M40A	Post Highland	69.60 308	P	P	08 36 59.6 -1.0
P43A	Skaggs, Pawnee	69.65 306	P	P	08 37 00.4 -0.6
USIN	University of	69.68 304	eP	P	08 37 00.8 -0.3
N41A	Harden Midland	69.70 307	P	P	08 37 00.6 -0.7
R45A	Skylar, Fairi	69.83 304	P	P	08 37 01.0 -1.1
K37A	Geimond	69.85 311	P	P	08 37 01.5 -0.7
S46A	Don Dixon Farm	69.90 303	P	P	08 37 01.6 -0.9
L38A	Oak Wood Farm,	69.91 310	P	P	08 37 01.5 -1.0
M39A	Webster	69.92 309	P	P	08 37 01.9 -0.7
U48A	Cassie Pea, Po	69.97 302	P	P	08 37 02.2 -0.7
T47A	Sharon Grove	69.99 302	P	P	08 37 01.7 -1.4
RIDG	Independ'ce Rid	70.03 349	eP	P	08 37 04.6 +1.6
O41A	Passleys Farm,	70.11 307	P	P	08 37 02.9 -0.9
P42A	Winchester	70.16 306	P	P	08 37 03.1 -1.0
H33A	Prehn Over Nor	70.17 314	P	P	08 37 03.7 -0.5
Q43A	New Douglas	70.22 305	P	P	08 37 03.2 -1.3
R44A	Waltonville	70.33 305	P	P	08 37 03.8 -1.4
L37A	Phoenix Point,	70.35 310	P	P	08 37 03.6 -1.7
T46A	Princeton	70.43 303	P	P	08 37 04.7 -1.1
U47A	Clarksville	70.47 302	P	P	08 37 05.3 -0.8
N39A	Derby Farms, D	70.51 309	P	P	08 37 05.3 -0.9
P41A	Barry, Barry	70.51 307	P	P	08 37 05.3 -0.9
M38A	Pleasantville	70.53 309	P	P	08 37 05.4 -0.9
V48A	Smith Brothers	70.65 301	P	P	08 37 05.7 -1.5
O40A	La Belle	70.67 308	P	P	08 37 06.1 -1.2
Q42A	Golden Eagle	70.72 306	P	P	08 37 05.8 -1.7
ECSD	EROS Data Cent	70.76 313	P	P	08 37 07.9 +0.1
ECSD	EROS Data Cent	70.76 313	eP	P	08 37 08.0 +0.2
CD2	Chengdu	70.80 65	P	pmx	08 37 07.3 -0.9
S44A	Carbondale	70.80 304	P	P	08 37 07.0 -1.0
R43A	Red Bud	70.80 305	P	P	08 37 06.8 -1.3
MA2	Magadan	70.81 20	P	P	08 37 08.4 +0.7
R42A	Reindeer	70.86 351	eP	P	08 37 08.9 +0.8
RND	Reindeer	70.86 351	eP	pmx	08 37 08.9 +0.8
254A	Abbeville	70.96 296	P	P	08 37 07.7 -1.3
TRF	Thorofore Moun	70.98 351	eP	P	08 37 10.1 +1.1
WVT	Waverly	71.00 302	P	P	08 37 08.2 -1.0
WVT	Waverly	71.00 302	eP	P	08 37 08.1 -1.2
WVT	Waverly	71.00 302	eP	pmx	08 37 08.1 -1.2
DHY	Denali Highway	71.00 350	eP	P	08 37 10.1 +1.1
M37A	Trindle Farm,	71.01 310	P	P	08 37 09.0 -0.3
V47A	Nunnally	71.01 302	P	P	08 37 08.0 -1.4
U46A	Springville	71.05 303	P	P	08 37 08.4 -1.2
Q41A	Truxton	71.10 306	P	P	08 37 09.1 -0.7
W48A	Pulaski	71.12 301	P	P	08 37 09.2 -0.8
X49A	Woodville	71.16 300	P	P	08 37 09.5 -0.8
P40A	Paris	71.17 307	P	P	08 37 09.0 -1.3

2012 MAY

OPO	Ambohitratampo	71.28 144	P	P	08 37 11.0 -0.2
FVM	French Village	71.29 305	eP	P	08 37 10.8 -0.2
FVM	French Village	71.29 305	eP	pmx	08 37 10.8 -0.2
S43A	Fulton Ridge,	71.36 305	P	P	08 37 10.8 -0.7
V46A	Hollad	71.39 302	P	P	08 37 10.3 -1.3
U45A	Rockin P Farm,	71.41 303	P	P	08 37 10.9 -0.9
253A	Ampacus	71.42 297	P	P	08 37 11.1 -0.7
W47A	Westpoint	71.44 301	P	P	08 37 10.7 -1.3
N37A	Lee Faris, Mou	71.54 309	P	P	08 37 12.1 -0.4
P39B	Salisbury	71.60 308	P	P	08 37 11.8 -1.1
R41A	Rosebud	71.63 306	P	P	08 37 12.1 -0.9
X48A	Hartselle	71.64 300	P	P	08 37 12.0 -1.2
S42A	Caledonia	71.65 305	P	P	08 37 11.8 -1.4
CCM	Cathedral Cave	71.72 306	eP	P	08 37 12.8 -0.8
CCM	Cathedral Cave	71.72 306	eP	P	08 37 12.9 -0.8
CCM	Cathedral Cave	71.72 306	eP	pmx	08 37 12.9 -0.7
O37A	Wolven Farm,	71.91 309	P	P	08 37 14.2 -0.6
PLAL	Pickwick Lake	71.92 301	eP	P	08 37 13.8 -1.0
P38A	Dawn	71.94 308	P	P	08 37 14.3 -0.6
W46A	Milchie	72.00 302	P	P	08 37 13.8 -1.5
Y48A	Jasper	72.08 300	P	P	08 37 14.3 -1.5
X47A	Russeville	72.09 301	P	P	08 37 14.7 -1.2
PBMO	Poplar Bluff	72.11 304	eP	P	08 37 15.6 -0.3
BJI	Beijing	72.14 511	eP	pmx	08 37 17.8 +1.8
R40A	Maddies Stijo	72.14 306	P	P	08 37 15.5 -0.6
Z49A	Columbiana	72.17 299	P	P	08 37 15.4 -1.0
251A	Midway	72.20 298	P	P	08 37 15.8 -0.8
S41A	Jilico Farms,	72.32 306	P	P	08 37 16.6 -0.7
T42A	Van Buren	72.33 305	P	P	08 37 16.5 -0.7
U43A	Rector	72.37 304	P	P	08 37 16.4 -1.2
P37A	Lathrop	72.42 309	P	P	08 37 17.3 -0.5
Q38A	Cooks Store, C	72.45 308	P	P	08 37 17.4 -0.5
Y47A	UCAPOC, Winif	72.50 300	P	P	08 37 17.3 -1.1
X46A	Booneville	72.51 301	P	P	08 37 17.3 -1.1
LRAL	Lakeview Retre	72.56 299	P	P	08 37 18.0 -0.8
LRAL	Lakeview Retre	72.56 299	eP	P	08 37 18.1 -0.6
R39A	Chumby, Stover	72.57 307	P	P	08 37 18.4 -0.3
Z48A	Northport	72.68 300	P	P	08 37 18.4 -1.0
T41A	Mountain View	72.71 305	P	P	08 37 18.8 -0.8
149A	Jonath Feather L	72.73 299	P	P	08 37 18.8 -0.9
S40A	Lebanon	72.75 306	P	P	08 37 19.1 -0.7
250A	Grady	72.82 298	P	P	08 37 19.3 -1.0
OXF	Oxford	73.04 302	P	P	08 37 20.0 -1.6
T40A	Mansfield	73.07 306	P	P	08 37 21.4 -0.3
X45A	UM Field Stati	73.09 302	P	P	08 37 20.0 -1.8
Z47A	Carrollton	73.12 300	P	P	08 37 20.0 -2.0
Y46A	Houston	73.13 301	P	P	08 37 20.8 -1.3
R38A	Fenwick Farm,	73.15 307	P	P	08 37 21.7 -0.4
S39A	Bolton	73.16 307	P	P	08 37 21.9 -0.3
148A	Greensboro	73.18 299	P	P	08 37 21.6 -0.8
BGNE	Belgrade	73.20 312	P	P	08 37 22.7 +0.2
U41A	Viola	73.28 305	P	P	08 37 22.7 -0.3
LAO	LASA Array	73.32 320	P	P	08 37 24.3 +1.2
LAO	LASA Array	73.32 320	eP	P	08 37 24.8 +1.7
V42A	Cord	73.34 304	P	P	08 37 23.1 -0.2
S38A	Stockton	73.53 307	P	P	08 37 24.0 -0.4
Y45A	Yeager Farm, C	73.56 301	P	P	08 37 23.8 -0.8
T39A	Oleve	73.65 306	P	P	08 37 24.8 -0.4
248A	Dixon Mills	73.66 299	P	P	08 37 24.8 -0.4
V41A	Mountainview	73.80 304	P	P	08 37 25.8 -0.2
U40A	Yellville	73.81 305	P	P	08 37 26.0 -0.1
EGMT	Eagleton	73.86 323	P	P	08 37 25.3 -1.0
EGMT	Eagleton	73.86 323	eP	P	08 37 28.0 +1.7
KMI	Kunming	73.97 71	P	P	08 37 29.0 +1.5
KMI			pP	pP	08 37 33.0 +0.1
KMI			SP	SP	08 37 34.0 -0.9
KMI			pmx	pmx	
KMI	comp=Z,7.0nm,0.5s				
Z45A	Winona	73.99 301	P	P	08 37 26.2 -1.0
KSU1	Kansas State U	74.01 309	P	P	08 37 26.8 -0.4
KSU1	Kansas State U	74.01 309	eP	P	08 37 27.2 0.0
U39A	Green Forest	74.16 306	P	P	08 37 27.5 -0.7
T38A	Diamond	74.17 307	P	P	08 37 27.8 -0.4
V40A	Witts Springs	74.18 305	P	P	08 37 28.0 -0.3
V40A	Witts Springs	74.18 305	eP	P	08 37 28.3 0.0
RSSD	Black Hills	74.21 317	P	P	08 37 28.4 -0.2
WHAR	Woolly Hollow	74.22 304	eP	P	08 37 28.8 +0.3
Z47A	Qutman	74.23 300	P	P	08 37 28.1 -0.5
W41B	Gary Mavity, V	74.28 304	P	P	08 37 28.6 -0.2
W41B	Gary Mavity, V	74.28 304	eP	P	08 37 28.8 -0.1
BOSA	Boshof	74.31 167	P	P	08 37 27.7 -1.2
BOSA	Boshof	74.31 167	eP	P	08 37 27.8 -1.2
BOSA	Boshof	74.31 167	eP	pmx	08 37 27.8 -1.2
BOSA	Boshof	74.31 167	pmx	pmx	
X42A	Stuttgart	74.34 303	P	P	08 37 28.6 -0.5

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H46A	Hobbs	74.50 306	eP	P	08 37 30.0 -0.1
Z44A	Pea Ridge, Bel	74.50 302	P	P	08 37 29.5 -0.6
347A	Saraland	74.63 299	P	P	08 37 29.5 -1.4
V39A	Pettigrew	74.63 305	P	P	08 37 30.6 -0.3
145A	Houston Renfro	74.66 301	P	P	08 37 30.7 -0.4
W40A	Ferguson Farm,	74.75 305	P	P	08 37 31.5 0.0
W40A	Ferguson Farm,	74.75 305	eP	P	08 37 32.2 +0.7
Y42A	Garnett, Star	74.93 303	P	P	08 37 32.3 -0.4
X40A	Basin Creek Fa	75.10 304	P	P	08 37 33.5 -0.1
X40A	Basin Creek Fa	75.10 304	eP	P	08 37 33.8 +0.2
W39A	Magazine	75.17 305	P	P	08 37 34.4 +0.1
W39A	Magazine	75.17 305	eP	P	08 37 34.1 +0.2
VBMS	Vicksburg	75.29 301	P	P	08 37 34.7 0.0
Y41A	Eaglebe Beard	75.39 303	P	P	08 37 35.4 +0.1
MIAR	Mount Ida	75.50 304	P	P	08 37 36.2 +0.3
MIAR	Mount Ida	75.50 304	eP	P	08 37 36.6 +0.7
MIAR	Mount Ida	75.50 304	eP	pmx	08 37 36.6 +0.7
MIAR			pmx	pmx	
MIAR	comp=Z,1.9nm,1.0s				
244A	Avery, Jackson	75.51 301	P	P	08 37 36.1 +0.1
446A	Poplarville	75.56 299	P	P	08 37 36.4 +0.1
Y40A	Okolona	75.70 304	P	P	08 37 36.5 -0.5
TUL1	Leonard	75.82 307	P	P	08 37 37.2 -0.5
TUL1	Leonard	75.82 307	eP	P	08 37 38.0 +0.3
X39A	Fountain Ranch	75.84 305	P	P	08 37 37.4 -0.5
RLMT	Red Lodge	75			

1907

Table with columns: Code, Station Name, Az, El, Phase, Time, Res. Rows include PV09 Paradox Valley, PV10 MSTX Paradox Valley, SRU San Rafael Swe, etc.

IDC 29 08:27:21.0-0.6, 44:83N:10:88E, h0km, mb4.3/23, mb1.4/3/27, mb1mx4.1/69, mbmp4.2/27, ML3.7/3, MS3.9/3, MS1.3/9, ms1mx3.3/67, Error ellipse: s-maj=17.0km s-min=11.8km az=121.0

ISCJB 29 08:27:22.3-0.3, 44:81N:0:02:10:97E:0:04, h18km, 2km, mb4.4/34, MS4.2/2, Error ellipse: s-maj=4.6km s-min=4.0km az=5.1

ROM 29 08:27:22.0-0.4, 44:88N:0:00:1+11:042E:0:001, h6km, ML4.6/7

CSEM 29 08:27:22.3-0.1, 44:86N:10:94E, h8km, mb4.8/16, Error ellipse: s-maj=3.3km s-min=3.0km az=96.0

NEIC 29 08:27:23.0-0.0, 44:85N:11:11E, h10km, mb4.7/17, ML4.7(ROM), After ROM.

NEIC Felt widely in northern Italy. ISC 29 08:27:23.4-0.6, 44:89N:0:02:11.02E:0:02, h12km, 4km, n139, s1901/157, mb4.5/34, IC-12D, Northern Italy

Table with columns: Code, Station Name, Az, El, Phase, Time, Res. Rows include T0818 Loc. Fossa, Co, T0818 Loc. Cortile, T0802 SanFelice sul, etc.

2012 MAY

Main table with columns: Code, Station Name, Az, El, Phase, Time, Res. Rows include T0800 AML AML, T0800 AML AML, T0800 AML AML, etc.

29d 8h

Table with columns: Code, Station Name, Az, El, Phase, Time, Res. Rows include KOWA Kowa, GEYT Allbeck, IIVI IIVI, BVAR Borovoye Array, etc.

ROM 29 08:35:58.5-0.2, 44:881N:0:00:7:11:024E:0:008, h8km, ML3.8/23, IDC 29 08:35:59.1-0.9, 44:85N:11:05E, h0km, mb3.6/9, mb1.3/8/14, mb1mx3.6/62, mbmp3.6/14, ML3.6/5, Error ellipse: s-maj=23.8km s-min=11.0km az=122.0

NEIC 29 08:36:00.0-0.0, 44:86N:11:06E, h10km, mb4.2/1, ML3.7(ROM), ML4.1(LDG), After ROM.

CSEM 29 08:36:00.9-0.1, 44:93N:11:04E, h10km, ML4.1/13, Error ellipse: s-maj=2.7km s-min=2.4km az=149.0

LDG 29 08:36:00.3-0.1, 44:88N:11:22E, h2km, ML4.1/11, Error ellipse: s-maj=4.1km s-min=2.2km az=170.0

ISCJB 29 08:36:00.7-0.2, 44:88N:0:02:11.05E:0:02, h2km, 2km, mb3.8/11, Error ellipse: s-maj=3.1km s-min=2.2km az=149.5

PRU 29 08:36:02.5, 44:86N:11:15E, h20km, M4.2, ISC 29 08:36:01.1-0.8, 44:90N:0:02:11.02E:0:02, h14km, 5km, n275, s121/297, mb3.9/11, 3C-12D, Northern Italy

Table with columns: Code, Station Name, Az, El, Phase, Time, Res. Rows include T0802 SanFelice sul, T0802 SanFelice sul, RAVA Ravarino, etc.

29d 8h

Table with columns for location (e.g., NOVE, T0803, MODE), date (29d 8h), and various numerical values (e.g., 0.24 246, 0.27 119, 0.42 127).

2012 MAY

Table with columns for location (e.g., ROVR, SALO, BOVA, MAGA, DOSS, MAIM, RNI, CGRP, SFI, PANI, ASQU, CTI, VARN, RSM, CPGN, OZOL, PARC, POLC), date (2012 MAY), and various numerical values (e.g., 0.75 10, 0.83 323, 0.92 343).

1908

Table with columns for location (e.g., POLC, SSP9, CARE, AGOR, KOSI, APPI, BADI, BRMO, CAFI, CIMO, PIEI, FSSB, ATPC, MOSI, ATPI, MPAG, FUORI, STAL, ABSI, ROSI, ARCI, CASP, SABO), date (1908), and various numerical values (e.g., 1.54 149, 1.55 352, 1.56 27).

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like SABO, ABTA, FETA, SACS, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like OPP, HINF, HINF, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like KURBB, KURK, MKR31, etc.











29d 8h

Table with columns for call letters, frequency, power, and other technical details. Includes entries like TTD Podgorica, KOME Kolasin, and various other stations.

2012 MAY

Table with columns for call letters, frequency, power, and other technical details. Includes entries like FIA1 FINESSE Array S, TAM Tamarrasset, and various other stations.

1914

Table with columns for call letters, frequency, power, and other technical details. Includes entries like J43A Natural Harves, F38A Pierce - Schro, and various other stations.

V46A	Holladay	71.43 302	P	P	08 52 16.5	-1.7
253A	Americus	71.46 297	P	P	08 52 17.3	-1.1
P39B	Salisbury	71.63 308	P	P	08 52 17.9	-1.5
R41A	Rosebud	71.66 306	P	P	08 52 18.1	-1.5
S42A	Caledonia	71.68 305	P	P	08 52 18.3	-1.5
X48A	Hartselle	71.68 300	P	P	08 52 18.8	-1.0
CCM	Cathedral Cave	71.75 306	P	P	08 52 18.9	-1.2
CCM	Cathedral Cave	71.75 306	eP	P	08 52 19.1	-1.0
CCM	Cathedral Cave	71.75 306	eP	pmax	08 52 19.1	-1.0
T43A	Greenville	71.85 304	P	P	08 52 19.5	-1.2
151A	Opelika	71.90 298	P	P	08 52 20.1	-1.0
PLAL	Pickwick Lake	71.95 301	eP	P	08 52 20.1	-1.3
P38A	Dawn	71.97 308	P	P	08 52 20.9	-0.6
W46A	Michie	72.03 302	P	P	08 52 20.4	-1.4
Y48A	Jasper	72.12 300	P	P	08 52 21.3	-1.1
X47A	Russelville	72.13 301	P	P	08 52 21.2	-1.3
PBMO	Poplar Bluff	72.14 304	eP	P	08 52 21.7	-0.8
R40A	Maddies Statio	72.17 306	P	P	08 52 21.6	-1.1
S41A	Jilco Farms,	72.36 306	P	P	08 52 23.3	-0.6
T42A	Van Buren	72.36 305	P	P	08 52 22.4	-1.3
P37A	Lathrop	72.45 309	P	P	08 52 23.6	-0.7
Q38A	Cooks Store, C	72.48 308	P	P	08 52 23.7	-0.8
W45A	Hickory Valley	72.50 302	P	P	08 52 23.9	-0.8
Y47A	UCPARC, Winfie	72.54 301	P	P	08 52 23.6	-1.3
R39A	Chumby, Stover	72.60 307	P	P	08 52 24.2	-1.0
LRAL	Lakeview Retre	72.60 299	P	P	08 52 24.1	-1.2
LRAL	Lakeview Retre	72.60 299	eP	P	08 52 24.4	-0.9
Z48A	Northport	72.72 300	P	P	08 52 24.7	-1.2
T41A	Mountain View	72.74 305	P	P	08 52 24.9	-1.2
149A	Jones	72.77 299	P	P	08 52 25.9	-0.4
S40A	Lebanon	72.78 306	P	P	08 52 25.8	-0.5
U42A	Revendens	72.91 304	P	P	08 52 25.8	-1.2
OXF	Oxford	73.08 302	eP	P	08 52 26.9	-1.2
OXF	Oxford	73.08 302	eP	pmax	08 52 26.9	-1.2
T40A	Mansfield	73.10 306	P	P	08 52 27.6	-0.7
X45A	UM Field Stati	73.13 302	P	P	08 52 27.2	-1.2
Y46A	Houston	73.17 301	P	P	08 52 27.5	-1.1
R38A	Fenwick Farm,	73.18 307	P	P	08 52 27.4	-1.3
S39A	Bolivar	73.19 307	P	P	08 52 27.9	-0.9
148A	Greensboro	73.22 299	P	P	08 52 28.7	-0.3
U41A	Viola	73.31 305	P	P	08 52 29.1	-0.4
V42A	Cord	73.37 304	P	P	08 52 29.2	-0.6
S38A	Stockton	73.57 307	P	P	08 52 29.6	-1.3
Y45A	Yeager Farm, C	73.60 301	P	P	08 52 29.8	-1.4
T39A	Clever	73.69 306	P	P	08 52 31.3	-0.4
V41A	Mountainview	73.84 304	P	P	08 52 31.8	-0.8
U40A	Yellville	73.85 305	P	P	08 52 31.8	-0.8
EGMT	Eagleton	73.88 323	P	P	08 52 32.5	-0.2
KMI	Kunming	73.91 71	P	P	08 52 33.3	-0.1
KMI	KMI	73.91 71	pmax	pmax		
KMI	KMI	73.91 71	pmax	pmax		
Z45A	Winona	74.03 301	P	P	08 52 32.7	-1.0
KSU1	Kansas State U	74.04 310	P	P	08 52 32.7	-1.0
KSU1	Kansas State U	74.04 310	eP	P	08 52 33.5	-0.3
T38A	Diamond	74.20 307	P	P	08 52 34.1	-0.5
V40A	Witts Springs	74.21 305	P	P	08 52 34.1	-0.7
V40A	Witts Springs	74.21 305	eP	P	08 52 34.3	-0.5
WHAR	Woolly Hollow	74.26 304	eP	P	08 52 34.9	-0.2
W41B	Gary Mavity, V	74.31 304	P	P	08 52 35.0	-0.3
W41B	Gary Mavity, V	74.31 304	eP	P	08 52 35.1	-0.2
HHAR	Hobbs	74.53 306	eP	P	08 52 36.1	-0.6
V39A	Pettigrew	74.67 305	P	P	08 52 36.7	-0.8
347A	Garland	74.67 299	P	P	08 52 37.3	-0.1
145A	Houston Renfro	74.70 301	P	P	08 52 37.6	0.0
W40A	Ferguson Farm,	74.78 305	P	P	08 52 38.0	-0.1
W40A	Ferguson Farm,	74.78 305	eP	P	08 52 38.7	+0.6
Y42A	Garnett, Star	74.97 303	P	P	08 52 39.0	-0.2
X40A	Basin Creek Fa	75.14 304	P	P	08 52 39.5	-0.6
X40A	Basin Creek Fa	75.14 304	eP	P	08 52 39.9	-0.3
W39A	Magazine	75.20 305	P	P	08 52 40.3	-0.2
W39A	Magazine	75.20 305	eP	P	08 52 40.5	0.0
346A	Big Creek Wild	75.25 300	P	P	08 52 40.7	-0.1
Z42A	Norrel Spur, H	75.46 302	P	P	08 52 41.7	-0.3
MIAR	Mount Ida	75.53 304	P	P	08 52 42.1	-0.3
MIAR	Mount Ida	75.53 304	eP	P	08 52 42.6	+0.2
MIAR	Mount Ida	75.53 304	eP	pmax	08 52 42.6	+0.2
244A	Avery, Jackson	75.55 301	P	P	08 52 42.4	-0.2
GYA	Guilyang	75.61 67	eP	pmax	08 52 43.0	-0.1
GYA	Guilyang	75.61 67	pmax	pmax		
345A	Thompson Farm,	75.66 300	P	P	08 52 43.3	+0.1
TUL1	Leonard	75.85 307	P	P	08 52 43.7	-0.5
X39A	Fountain Ranch	75.87 305	P	P	08 52 44.0	-0.4
344A	Westbrook Farm	75.99 300	P	P	08 52 45.2	+0.1

445A	Amite	76.25 300	P	P	08 52 46.7	+0.1
Z40A	Long Farm, Mag	76.33 303	P	P	08 52 47.1	+0.1
K22A	Casper	76.53 318	P	P	08 52 47.9	-0.3
341A	Kurthow	77.55 302	P	P	08 52 54.3	+0.4
SDV	Santo Domingo	77.85 270	P	P	08 52 55.7	-0.2
PDAR	Pinedale Array	77.87 320	P	P	08 52 55.6	-0.2
PDAR	Pinedale Array	77.87 320	eP	P	08 52 55.8	0.0
ISCO	Idaho Springs	78.25 315	P	P	08 52 58.4	+0.4
ISCO	Idaho Springs	78.25 315	eP	P	08 52 58.8	+0.7
ISCO	Idaho Springs	78.25 315	eP	pmax	08 52 58.8	+0.7
ISCO	Idaho Springs	78.25 315	eP	pmax	08 52 58.8	+0.7
WMOK	Wichita Mouna	78.39 308	P	P	08 52 58.5	0.0
WMOK	Wichita Mouna	78.39 308	eP	P	08 52 59.0	+0.5
WMOK	Wichita Mouna	78.39 308	eP	pmax	08 52 59.0	+0.5
YSS	Yuzh-Sakhalins	79.15 31	eP	MLR	08 52 58.8	-3.7
NJ2	Nanjing	79.27 55	eP	pmax	08 53 04.0	+0.7
O20A	White River Ci	79.29 317	P	P	08 53 03.9	+0.2
O20A	White River Ci	79.29 317	eP	P	08 53 04.2	+0.5
HLID	Halley	79.40 323	P	P	08 53 04.3	+0.2
BMO	Blue Mountains	79.55 325	eP	P	08 53 05.4	+0.6
BMO	Blue Mountains	79.55 325	eP	pmax	08 53 05.4	+0.6
SDCO	Great Sand Dun	79.76 314	P	P	08 53 06.1	-0.3
MFID	Camas Ranch	80.12 324	eP	P	08 53 09.0	+1.0
ABTX	Abilene, Hawle	80.42 307	P	P	08 53 09.5	-0.1
S22A	JUN Ranch, Cre	80.44 315	P	P	08 53 09.3	-0.7
PV09	Paradox Valley	81.00 317	eP	P	08 53 14.5	+1.5
PV10	Paradox Valley	81.05 316	eP	P	08 53 14.7	+1.5
SRU	San Rafael Swe	81.19 318	eP	P	08 53 14.5	+0.6
SRU	San Rafael Swe	81.19 318	eP	pmax	08 53 14.5	+0.6
JCT	Junction City	82.10 305	P	P	08 53 18.9	+0.3
JCT	Junction City	82.10 305	eP	P	08 53 19.0	+0.3
JCT	Junction City	82.10 305	eP	pmax	08 53 19.0	+0.4
JCT	Junction City	82.10 305	eP	pmax	08 53 19.0	+0.4
CCUT	Cedar City	83.78 319	eP	P	08 53 29.4	+1.9
R11A	Troy Canyon, C	84.15 321	P	P	08 53 29.6	+0.3
U15A	North Rim	84.17 317	eP	P	08 53 30.2	+0.6
MNTX	Cornudas Mount	84.32 310	P	P	08 53 30.0	0.0
TX31	Lajitas Ar. Si	85.17 307	eP	P	08 53 35.5	+1.1
TXAR	Lajitas Array	85.17 307	P	P	08 53 35.4	+1.0
X16A	Lo Mia Camp, P	85.36 316	eP	P	08 53 37.4	+1.9
APG	El Apazole	87.43 289	P	P	08 53 45.5	-0.4
CCIG	Comitan	87.64 291	eP	P	08 53 46.7	-0.1
NVL	N'azarevskaya	115.36 180	ePKIP	PKPpre	08 59 26.6	
NVL	N'azarevskaya	115.36 180	ePKIP	PKPpmax	08 59 26.6	
WRA	Warramunga Arr	127.32 81	PKP	PKPpdf	09 00 02.6	-0.2
ASAR	Alice Springs	129.43 85	PKP	PKPpdf	09 00 04.9	-1.8
ASO1	Alice Springs	129.46 85	ePKPpdf	PKPpdf	09 00 06.2	-0.6
VNDA	Vanda	145.26 169	PKPbpc	PKPbpc	09 00 33.2	-0.7
VNDA	Vanda	145.26 169	ePKPbpc	PKPbpc	09 00 33.5	-0.3
VNDA	Vanda	145.26 169	ePKPbpc	PKPbpc	09 00 33.6	-0.3

CSEM 29 08:41:42.3-0.1,44:88N;10:95E, h6km, ML4.1/4  
 ROM 29 08:41:42.3-0.1,44:877N;0:003;10:947E-0:005,  
 h7km,1km, ML4.1/2, 4D, Northern Italy

Code	Station Name	A <sup>1</sup>	A <sup>2</sup>	Phase ID	Time	Res		
					h	m	s	ISC
T0818	Loc. Fossa, Co	0.08	46	eS	Pg	08 41 45.3	+1.0	
T0818	Loc. Fossa, Co	0.08	46	eS	Pg	08 41 48.6	+3.0	
T0818	Loc. Fossa, Co	0.08	46	eP	Pg	08 41 45.3	+1.0	
T0818	Loc. Cortile,	0.09	169	eS	Pg	08 41 48.8	+2.5	
T0814	Loc. Cortile,	0.09	169	eS	Pg	08 41 48.2	+2.5	
T0814	Loc. Cortile,	0.09	169	eP	Pg	08 41 45.7	+1.4	
T0814	Loc. Cortile,	0.09	169	eS	Pg	08 41 48.2	+2.6	
T0824	Loc. Limidi di	0.12	187	eP	Pg	08 41 45.8	+1.0	
T0824	Loc. Limidi di	0.12	187	eS	Pg	08 41 47.3	+0.7	
T0824	Loc. Limidi di	0.12	187	eP	Pg	08 41 45.8	+1.0	
T0802	SanFelice sul	0.17	91	eS	Pg	08 41 46.6	+0.9	
T0802	SanFelice sul	0.17	91	eS	Pg	08 41 50.7	+2.7	
T0802	SanFelice sul	0.17	91	eP	Pg	08 41 46.6	+0.9	
T0802	SanFelice sul	0.17	91	eS	Pg	08 41 45.7	+0.7	
RAVA	Ravarino	0.17	135	eP	Pg	08 41 46.8	+1.0	
RAVA	Ravarino	0.17	135	eS	Pg	08 41 51.2	+3.1	
RAVA	Ravarino	0.17	135	eP	Pg	08 41 46.8	+1.0	
RAVA	Ravarino	0.17	135	eS	Pg	08 41 51.2	+3.1	
RAVA	Ravarino	0.17	135	eP	Pg	08 41 46.8	+1.0	
RAVA	Ravarino	0.17	135	eS	Pg	08 41 51.2	+3.1	
RAVA	Ravarino	0.17	135	eP	Pg	08 41 46.8	+1.0	
RAVA	Ravarino	0.17	135	eS	Pg	08 41 51.2	+3.1	
RAVA	Ravarino	0.17	135	eP	Pg	08 41 46.8	+1.0	
RAVA	Ravarino	0.17	135	eS	Pg	08 41 51.2	+3.1	
RAVA	Ravarino	0.17	135	eP	Pg	08 41 46.8	+1.0	
RAVA	Ravarino	0.17	135	eS	Pg	08 41 51.2	+3.1	
RAVA	Ravarino	0.17	135	eP	Pg	08 41 46.8	+1.0	
RAVA	Ravarino	0.17	135	eS	Pg	08 41 51.2	+3.1	
RAVA	Ravarino	0.17	135	eP	Pg	08 41 46.8	+1.0	
RAVA	Ravarino	0.17	135	eS	Pg	08 41 51.2	+3.1	
RAVA	Ravarino	0.17	135	eP	Pg	08 41 46.8	+1.0	
RAVA	Ravarino	0.17	135	eS	Pg	08 41 51.2	+3.1	
RAVA	Ravarino	0.17	135	eP	Pg	08 41 46.8	+1.0	
RAVA	Ravarino	0.17	135	eS	Pg	08 41 51.2	+3.1	
RAVA	Ravarino	0.17	135	eP	Pg	08 41 46.8	+1.0	
RAVA	Ravarino	0.17	135	eS	Pg	08 41 51.2	+3.1	
RAVA	Ravarino	0.17	135	eP	Pg	08 41 46.8	+1.0	
RAVA	Ravarino	0.17	135					



29d 8h

Table with columns for station name, frequency, power, and other technical details. Includes stations like ZCCA, ZOVE, MTRZ, TEOL, CMPO, ROVR, MARN, IMOL, SANR, MAGA, POPM, BDI, DOSS, MAIM, RNI, CRMI, CGRP, PLMA, PANI, MSA, MSA, MTLO, SFI.

2012 MAY

Table with columns for station name, frequency, power, and other technical details. Includes stations like SFI, ASQU, VARN, OZOL, CARE, CAE, POLC, AGOR, ATCA, MLNI, PCP, PCP, PCP, CIMO, CIMO, CAFI, CAFI, NARO, NARO, TRIF, TRIF, TRIF, FSSB, FSSB, FSSB, ATPC, ATPC, ATPI, ATPI, AFL, AFL, ATBU, ATBU, ATVO, ATVO, ATVO, QLNO, QLNO, QLNO, MPRI, MPRI, FINB, FINB, FETA, FETA, BAD, BAD, ABTA, ABTA, CASP, CASP, CASP, ATCC, ATCC, ATCC.

1916

Table with columns for station name, frequency, power, and other technical details. Includes stations like ATCC, RORO, WTTA, WTTA, MOTA, MOTA, WATA, WATA, DAVA, DAVA, MYKA, MYKA, RETA, RETA, SBF, SBF, KBA, KBA, PGF, PGF, PGF, PGF, MBDF, MBDF, LPL, LPL, OBKA, OBKA, LPL, LPL, FRF, FRF, SOKA, SOKA, LMR, LMR, LMR, LMR, ORIF, ORIF, MOA, MOA, CABF, CABF, HINTER, HINTER, HINTER, HINTER, GERES, GERES, GERES, GERES, HAU, HAU, HAU, HAU, VIVF, VIVF, CONA, CONA, KHC, KHC, KHC, KHC, KHC, KHC, SMF, SMF, SMF, SMF, NKC, NKC, NKC, NKC, LOR, LOR, LOR, LOR, SSS, SSS, SSS, SSS, AVF, AVF, PRU, PRU, GOPP, GOPP, GOPP, GOPP, BRG, BRG, BRG, BRG, CLL, CLL, CLL, TORD, TORD, KURBS, KURBS, YKA, YKA, TXAR, TXAR.

CSEM 29 08:52:48.9, 44:84N: 11:11E, h4km, ML2.7/12
ROM 29 08:52:48.9, 0.0, 44:835N: 0.001111: 11:08E: 0.003,
h4km, 4km, ML2.7/7, 2C-6D, Northern Italy
Code Station Name Az Phase ID h m s Res
T0802 SanFelice sul 0.07 52 ePn Pg 08 52 51.2 +0.8
T0802 iS Sg 08 52 53.4 +2.0

Table with columns: Code, Station Name, Az, Az', Op, ISC, Time, Res, ISC. Includes stations like SanFelice sul, Massa Finalese, Palata Pepoli, Loc. Cortile, etc.

CSEM 29 08:53:40.1, 44.85N; 11.17E, h5km, ML2.5/11 ROM 29 08:53:40.1±0.1, 44.854N; 0.0022-11.171E; 0.004, h5km, ML2.5/7, 1C-3D, Northern Italy

Table with columns: Code, Station Name, Az, Az', Op, ISC, Time, Res, ISC. Includes stations like SanFelice sul, Massa Finalese, Loc. Fossa, Co, etc.

Table with columns: Code, Station Name, Az, Az', Op, ISC, Time, Res, ISC. Includes stations like TEOL, ROVR, SALO, MAGA, MAIM, etc.

ISCJBJ 29 08:58:17.4±0.3, 44.97N; 0.02-10.82E; 0.03, h8km, 3km, Error ellipse: s-maj=3.4km s-min=2.3km az=24.3 ROM 29 08:58:17.8±0.1, 44.878N; 0.002-10.927E; 0.001, h4km, ML3.2/57

CSEM 29 08:58:18.0±0.1, 44.95N; 10.86E, h2km, ML3.3/14, Error ellipse: s-maj=2.8km s-min=2.5km az=158.0 LDG 29 08:58:18.7±0.2, 44.95N; 11.02E, h2km, ML3.4/16, Error ellipse: s-maj=3.2km s-min=3.4km az=76.0 PRU 29 08:58:20.6±0.4, 44.89N; 11.05E, h25km

ISC 29 08:58:17.9±0.7, 44.94N; 0.02-10.86E; 0.02, h14km, 4km, h206, ±18/224, 6C-12D, Northern Italy

Table with columns: Code, Station Name, Az, Az', Op, ISC, Time, Res, ISC. Includes stations like SBPO, MAGA, MAIM, etc.

Table with columns: Code, Station Name, Az, Az', Op, ISC, Time, Res, ISC. Includes stations like T0800, T0801, T0802, etc.

























29d 9h

Table of astronomical observations for 29d 9h, listing stations like BFO, BFO, Molkenrain, SMRF, etc., with columns for station name, coordinates, and observation details.

2012 MAY

Table of astronomical observations for 2012 MAY, listing stations like VRAC, VRAC, VRAC, etc., with columns for station name, coordinates, and observation details.

1928

Table of astronomical observations for 1928, listing stations like KURBB, KURK, KURK, etc., with columns for station name, coordinates, and observation details.

Table with 5 columns: Station Name, Azimuth, Azimuth Error, Phase ID, and Time Res. Includes stations like GUIM Jordan, GUIM GUMB, TBP Tagbilaran.

ISC 29 10:03:24.4±1.8, 44.73N±11.25E, h0km, mb3.5/2, mb1 3.4/3, mb1mx3.1/59, mbtmp3.3/3, ML3.0/1, Error ellipse: s-maj=55.0km s-min=17.2km az=107.0

Table with 5 columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID. Includes stations like T0802 SanFelice sul, T0802 SanFelice sul, T0813 Massa Finalese, etc.

Table with 5 columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID. Includes stations like T0804 Loc. Limidi di, T0822 Casumararu (Bond), T0822 Casumararu (Bond), etc.

Table with 5 columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID. Includes stations like T0803 Dosso, Cento (C), T0803 Dosso, Cento (C), T0823 Castello D'Arg, etc.

Table with 5 columns: Station Name, Azimuth, Azimuth Error, Phase ID, and Time Res. Includes stations like RETA Reutte, RETA Reutte, KBA Koelnbreinsper, etc.

Table with 5 columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID. Includes stations like NVLJ Novajla, NVLJ Novajla, PGF Pioggiola, etc.

Table with 5 columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID. Includes stations like SOKA Soboth, SOKA Soboth, FRF La Foret Royal, etc.

Table with 5 columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID. Includes stations like MOA Molin, MOA Molin, ORIF Oris-en-Rattie, etc.

Table with 5 columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID. Includes stations like CDF Champ du Feu, CDF Champ du Feu, CONA Conrad Observa, etc.

Table with 5 columns: Station Name, Azimuth, Azimuth Error, Phase ID, and Time Res. Includes stations like MLD.4/1, MLD.4/1, IDC 29 10:09:49.5±0.8, etc.

Table with 5 columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID. Includes stations like LSA Lhasa, LSA Lhasa, GUN Gumba, etc.

Table with 5 columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID. Includes stations like JIRN Jiri, JIRN Jiri, KKN Kakani, etc.

Table with 5 columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID. Includes stations like PKI Pulchoki, PKI Pulchoki, PKIN Pulchokii, etc.

Table with 5 columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, AS31 Alice Springs, etc.







1933

Table listing astronomical observations for 1933, including columns for station name (e.g., ZCCA, MTRZ, TEOL), magnitude (comp=N, E), time, and position (AML, AML).

2012 MAY

Main table listing astronomical observations for 2012 MAY, including columns for station name (e.g., ASQU, BOB, PLMA), magnitude (comp=N, E), time, and position (AML, AML).

29d 10h

Table listing astronomical observations for 29d 10h, including columns for station name (e.g., T0813, T0813, T0813), magnitude (comp=N, E), time, and position (e.g., eP, eS, eP).

CSEM 29 10:27:24.8±0.1, 44:95N±10:99E, h10km, ML3.8/12, Error ellipse: s-maj=3.5km s-min=2.7km az=160.0 ROM 29 10:27:24.4±0.0, 44:874N±0:002±10:922E±0:001, h8km, ML3.4/31 ISCJJB 29 10:27:24.6±0.2, 44:91N±0:02±10:96E±0:02, h22km±2km, Error ellipse: s-maj=3.3km s-min=2.3km az=162.4 LDG 29 10:27:26.0±0.2, 44:93N±10:98E, h2km, ML3.8/14, Error ellipse: s-maj=5.1km s-min=2.8km az=87.0 PRU 29 10:27:27.4, 44:84N±11:16E, h33km STR 29 10:27:33.2±0.6, 45°N±2'±1°0E±', h10km, M3.6/6, mb3.4/1, MLv3.6/3, MLv3.6/6 ISC 29 10:27:25.1±0.7, 44:91N±0:02±10:95E±0:02, h17km±4km, n205, s148/256, 5C-9D, Northern Italy











29d 10h

Table with columns for station name, frequency, power, and other technical details. Includes stations like Furstenfeldbrunn, Cheisacher, and various regional stations.

2012 MAY

Table with columns for station name, frequency, power, and other technical details. Includes stations like Stuttgart, Welschbruch, and various regional stations.

1938

Table with columns for station name, frequency, power, and other technical details. Includes stations like Grafenberg, Schriesheim-Wi, and various regional stations.

FSH	Hochheid	5.82 335	P	Pn	10 57 24.0	+0.1
FSH	Hochheid	5.82 335	P	Pn	10 57 24.0	+0.1
SG1	Sglogore (BA)	5.82 132	Sn	Pn	10 58 27.9	-2.7
FACH	Fachingen	5.84 341	P	Pn	10 57 23.7	-0.5
FACH	Fachingen	5.84 341	P	Pn	10 57 23.7	-0.5
VRAC	Vranov	5.87 39	Pn	Pn	10 57 23.3	-1.3
VRAC	comp=E,7.2nm,0.3s,baz=230,slow=12,SNR=18	Pg	Pg	Pn	10 57 46.7	-3.6
VRAC	comp=E,22nm,0.3s,baz=229,slow=16,SNR=17	Pn	Pn	Pn	10 58 30.1	-1.7
VRAC	comp=E,20nm,0.3s,baz=323,slow=20,SNR=4.3	Sn	Sn	Pn	10 59 06.5	
VRAC	comp=E,17nm,0.3s,baz=109,slow=12,SNR=3.2	Lg	Lg	Pn	11 00 11.9	
VRAC	comp=E,43µm,18.6s,baz=222,slow=63	LR	LR	Pn	10 57 24.8	+0.2
VRAC	Vranov	5.87 39	Pn	Pn	10 57 21.7	-3.0
SRO	Srobarova	5.88 57	ePn	Pn	10 57 21.7	-3.0
SRO	Srobarova	5.88 57	ePn	Pn	10 57 21.7	-3.0
SRO	Srobarova	5.88 57	ePn	Pn	10 57 21.6	-3.1
SRO2	Moca	5.91 58	ePn	Pn	10 57 23.4	-1.6
SRO2	Moca	5.91 58	ePn	Pn	10 57 23.4	-1.6
SRO2	Moca	5.91 58	ePn	Pn	10 57 23.4	-1.6
BGF	Bois d'Agland	5.92 289	ePn	Pn	10 57 26.1	+0.8
BGF	Bois d'Agland	5.92 289	ePn	Pn	10 57 26.1	+0.8
BGF	Bois d'Agland	5.92 289	ePn	Pn	10 58 30.9	-2.1
BGF	Bois d'Agland	5.92 289	ePn	Pn	10 57 26.1	+0.8
BGF	Bois d'Agland	5.92 289	ePn	Pn	10 57 26.1	+0.8
FRNF	Fournols	5.96 278	P	Pn	10 57 25.5	+0.6
KOE	Koeppel	5.97 340	ePn	Pn	10 57 25.7	-0.2
KOE	Koeppel	5.97 340	ePn	Pn	10 57 25.7	-0.2
UPM	Unac-Piva	5.97 103	eS	Pn	10 58 31.1	-3.3
UPM	Unac-Piva	5.97 103	eS	Pn	10 57 26.0	+0.1
UPM	Unac-Piva	5.97 103	eS	Pn	10 58 31.1	-3.3
MATE	Matera	5.97 133	iP	Pn	10 57 24.4	-1.6
HCY	Herceg Novi	5.98 111	iP	Pn	10 57 25.9	-0.2
HCY	Herceg Novi	5.98 111	iP	Pn	10 57 25.9	-0.2
HCY	Herceg Novi	5.98 111	iP	Pn	10 58 31.4	-3.0
HCY	Herceg Novi	5.98 111	iP	Pn	10 57 25.9	-0.2
HCY	Herceg Novi	5.98 111	iP	Pn	10 58 31.4	-3.0
UBBA	Unterbreibzbach	5.99 354	ePn	Pn	10 57 25.2	-0.8
UBBA	Unterbreibzbach	5.99 354	ePn	Pn	10 57 25.2	-0.8
UBBA	Unterbreibzbach	5.99 354	ePn	Pn	10 57 25.2	-0.8
TEKS	Tekeri	6.12 90	ePn	Pn	10 57 27.9	-0.7
BBL5	Laz&#263;i	6.14 96	ePn	Pn	10 57 27.3	-1.0
HILG	Hillesheim	6.14 333	ePn	Pn	10 57 28.6	+0.2
HILG	Hillesheim	6.14 333	ePn	Pn	10 57 28.6	+0.2
NKME	Niksic	6.16 107	iP	Pn	10 57 28.0	-0.6
NKME	Niksic	6.16 107	iP	Pn	10 57 28.0	-0.6
NKME	Niksic	6.16 107	iP	Pn	10 58 35.5	-3.3
NKME	Niksic	6.16 107	iP	Pn	10 57 28.0	-0.6
NKME	Niksic	6.16 107	iP	Pn	10 58 35.5	-3.3
PVCC	Panska Ves	6.16 22	ePn	Pn	10 57 28.8	+0.2
PVCC	Panska Ves	6.16 22	ePn	Pn	10 57 28.8	+0.2
PVCC	Panska Ves	6.16 22	ePn	Pn	10 57 28.8	+0.2
PVCC	Panska Ves	6.16 22	ePn	Pn	10 57 28.8	+0.2
PVCC	Panska Ves	6.16 22	ePn	Pn	10 57 28.8	+0.2
NKY	Niksic	6.17 107	iP	Pn	10 57 28.8	+0.1
NKY	Niksic	6.17 107	iP	Pn	10 57 28.8	+0.1
NKY	Niksic	6.17 107	iP	Pn	10 58 35.9	-3.2
NKY	Niksic	6.17 107	iP	Pn	10 57 28.8	+0.1
NKY	Niksic	6.17 107	iP	Pn	10 58 35.9	-3.2
BUD	Budapest	6.18 62	ePn	Pn	10 57 28.1	-0.7
BUD	Budapest	6.18 62	ePn	Pn	10 57 28.1	-0.7
CEME	Cevo	6.22 109	iP	Pn	10 57 29.3	-1.2
CEME	Cevo	6.22 109	iP	Pn	10 57 29.3	-1.2
CEME	Cevo	6.22 109	iP	Pn	10 57 28.3	-1.2
CEME	Cevo	6.22 109	iP	Pn	10 58 37.4	-3.0
CEME	Cevo	6.22 109	iP	Pn	10 57 28.3	-1.2
BLI	Bleialf	6.22 331	P	Pn	10 57 28.7	-0.7
BLI	Bleialf	6.22 331	P	Pn	10 57 28.7	-0.7
PLI	Pljevlja	6.22 101	ePn	Pn	10 57 29.6	-0.5
PLI	Pljevlja	6.22 101	ePn	Pn	10 58 38.1	-3.5
PLI	Pljevlja	6.22 101	ePn	Pn	10 57 29.6	-0.5
PLI	Pljevlja	6.22 101	ePn	Pn	10 58 38.1	-3.5
PLI	Pljevlja	6.22 101	ePn	Pn	10 57 29.6	-0.5
FGSL	Fruska Gora	6.28 84	ePn	Pn	10 57 29.1	-1.2
TCF	Toulx Ste Croi	6.30 286	ePn	Pn	10 57 29.7	-0.8
TCF	Toulx Ste Croi	6.30 286	ePn	Pn	10 57 29.7	-0.8
TCF	Toulx Ste Croi	6.30 286	ePn	Pn	10 58 40.5	-1.9
TCF	Toulx Ste Croi	6.30 286	ePn	Pn	10 57 29.7	-0.8
TCF	Toulx Ste Croi	6.30 286	ePn	Pn	10 57 29.7	-0.8
BUM	Brajci-Budva	6.31 111	iP	Pn	10 57 30.1	-0.6
BUM	Brajci-Budva	6.31 111	iP	Pn	10 57 30.1	-0.6
BUM	Brajci-Budva	6.31 111	iP	Pn	10 58 39.9	-2.8
BUM	Brajci-Budva	6.31 111	iP	Pn	10 57 30.1	-0.6
BUM	Brajci-Budva	6.31 111	iP	Pn	10 58 39.9	-2.8
SJAF	Saint Jean de	6.32 251	P	Pn	10 57 32.4	+1.6
SJAF	Saint Jean de	6.32 251	P	Pn	10 57 32.4	+1.6
SJAF	Saint Jean de	6.32 251	P	Pn	10 58 48.8	+3.9
SJAF	Saint Jean de	6.32 251	P	Pn	10 57 32.4	+1.6
SJAF	Saint Jean de	6.32 251	P	Pn	10 58 48.8	+3.9
BRG	Berggiesshubel	6.33 17	PG	Pg	10 57 59.7	+0.7
BRG	Berggiesshubel	6.33 17	PG	Pg	10 58 42.4	-0.6
BRG	Berggiesshubel	6.33 17	PG	Pg	10 59 16.6	-4.4
BRG	Berggiesshubel	6.33 17	PG	Pg	10 57 59.7	+0.7
BRG	Berggiesshubel	6.33 17	PG	Pg	10 58 42.4	-0.6
BRG	Berggiesshubel	6.33 17	PG	Pg	10 59 16.6	-4.4
BRG	Berggiesshubel	6.33 17	PG	Pg	10 57 29.8	-1.1
BRG	Berggiesshubel	6.33 17	PG	Pg	10 57 29.8	-1.1
BRG	Berggiesshubel	6.33 17	PG	Pg	10 57 30.9	0.0
BRG	Berggiesshubel	6.33 17	PG	Pg	10 58 42.4	-0.6
BRG	Berggiesshubel	6.33 17	PG	Pg	10 57 29.8	-1.1
BRG	Berggiesshubel	6.33 17	PG	Pg	10 57 30.9	0.0
BRG	Berggiesshubel	6.33 17	PG	Pg	10 58 42.4	-0.6
STB	Steinbach	6.36 336	ePn	Pn	10 57 30.9	-0.4
STB	Steinbach	6.36 336	ePn	Pn	10 58 43.2	-0.2
STB	Steinbach	6.36 336	ePn	Pn	10 57 30.9	-0.4
STB	Steinbach	6.36 336	ePn	Pn	10 58 43.2	-0.2
STB	Steinbach	6.36 336	ePn	Pn	10 57 30.9	-0.4
STB	Steinbach	6.36 336	ePn	Pn	10 58 43.2	-0.2
MTLF	Montliou	6.48 259	ePn	Pn	10 57 32.3	-0.6
MTLF	Montliou	6.48 259	ePn	Pn	10 58 43.2	-0.4
MTLF	Montliou	6.48 259	ePn	Pn	10 57 32.3	-0.6
MTLF	Montliou	6.48 259	ePn	Pn	10 58 43.2	-0.4
MTLF	Montliou	6.48 259	ePn	Pn	10 57 32.3	-0.6
MTLF	Montliou	6.48 259	ePn	Pn	10 58 43.2	-0.4
MTLF	Montliou	6.48 259	ePn	Pn	10 57 32.3	-0.6
MTLF	Montliou	6.48 259	ePn	Pn	10 58 43.2	-0.4
MTLF	Montliou	6.48 259	ePn	Pn	10 57 32.3	-0.6
MTLF	Montliou	6.48 259	ePn	Pn	10 58 43.2	-0.4
PDG	Podgorica	6.50 109	iP	Pn	10 57 32.4	+0.8
PDG	Podgorica	6.50 109	iP	Pn	10 58 44.1	-3.0
PDG	Podgorica	6.50 109	iP	Pn	10 57 32.4	+0.8
PDG	Podgorica	6.50 109	iP	Pn	10 58 44.1	-3.0
PDG	Podgorica	6.50 109	iP	Pn	10 57 32.4	+0.8
PDG	Podgorica	6.50 109	iP	Pn	10 58 44.1	-3.0
TTG	Podgorica	6.50 109	ePn	Pn	10 57 32.3	-0.6
TTG	Podgorica	6.50 109	ePn	Pn	10 58 40.9	+0.9
TTG	Podgorica	6.50 109	ePn	Pn	10 57 32.3	-0.6
TTG	Podgorica	6.50 109	ePn	Pn	10 58 40.9	+0.9
TTG	Podgorica	6.50 109	ePn	Pn	10 57 32.3	-0.6
TTG	Podgorica	6.50 109	ePn	Pn	10 58 40.9	+0.9
KOME	Kolasin	6.51 105	iP	Pn	10 57 33.5	+0.1
KOME	Kolasin	6.51 105	iP	Pn	10 58 44.8	-2.8
KOME	Kolasin	6.51 105	iP	Pn	10 57 33.5	+0.1
KOME	Kolasin	6.51 105	iP	Pn	10 58 44.8	-2.8
KOME	Kolasin	6.51 105	iP	Pn	10 57 33.5	+0.1
KOME	Kolasin	6.51 105	iP	Pn	10 58 44.8	-2.8
DIVS	Divibare	6.51 94	ePn	Pn	10 57 31.5	-2.0
DIVS	Divibare	6.51 94	ePn	Pn	10 57 31.5	-2.0
FILF	Filfols	6.51 252	P	Pn	10 57 36.4	+3.0
VYHS	Vyhne	6.52 53	ePn	Pn	10 57 31.0	-2.5
VYHS	Vyhne	6.52 53	ePn	Pn	10 57 31.0	-2.5
VYHS	Vyhne	6.52 53	ePn	Pn	10 57 31.0	-2.5
VYHS	Vyhne	6.52 53	ePn	Pn	10 57 31.0	-2.5
VYHS	Vyhne	6.52 53	ePn	Pn	10 57 31.0	-2.5
DRME	Dracevica, Mon	6.55 111	iP	Pn	10 57 33.3	-0.7
DRME	Dracevica, Mon	6.55 111	iP	Pn	10 58 45.8	-2.8
DRME	Dracevica, Mon	6.55 111	iP	Pn	10 57 33.3	-0.7
DRME	Dracevica, Mon	6.55 111	iP	Pn	10 58 45.8	-2.8
DRME	Dracevica, Mon	6.55 111	iP	Pn	10 57 33.3	-0.7
DRME	Dracevica, Mon	6.55 111	iP	Pn	10 58 45.8	-2.8
DPC	Dobruska-Polom	6.57 32	ePn	Pn	10 57 32.2	-2.0
DPC	Dobruska-Polom	6.57 32	ePn	Pn	10 57 32.2	-2.0
DPC	Dobruska-Polom	6.57 32	ePn	Pn	10 57 32.2	-2.0
DPC	Dobruska-Polom	6.57 32	ePn	Pn	10 57 32.2	-2.0
DPC	Dobruska-Polom	6.57 32	ePn	Pn	10 57 32.2	-2.0
DPC	Dobruska-Polom	6.57 32	ePn	Pn	10 57 32.2	-2.0
KLL	Kallitasperre	6.57 333	ePn	Pn	10 57 33.5	-0.7
KLL	Kallitasperre	6.57 333	ePn	Pn	10 57 33.5	-0.7
KLL	Kallitasperre	6.57 333	ePn	Pn	10 57 33.5	-0.7
KLL	Kallitasperre	6.57 333	ePn	Pn	10 57 33.5	-0.7
KLL	Kallitasperre	6.57 333	ePn	Pn	10 57 33.5	-0.7
KLL	Kallitasperre	6.57 333	ePn	Pn	10 57 33.5	-0.7
HOBG	Hobbusch	6.58 340	ePn	Pn	10 57 33.6	-0.7

HOBG	Hobbusch	6.58 340	ePn	Pn	10 57 33.6	-0.7
CLL	Collin	6.58 11	ePn	Pn	10 57 33.1	-1.3
CLL	Collin	6.58 11	ePn	Pn	10 59 28.0	-1.1
CLL	Collin	6.58 11	ePn	Pn	10 57 33.0	-1.3
CLL	Collin	6.58 11	ePn	Pn	10 57 33.0	-1.3
CLL	Collin	6.58 11	ePn	Pn	10 58 03.0	-0.9
CLL	Collin	6.58 11	ePn	Pn	10 58 10.0	
CLL	Collin	6.58 11	ePn	Pn	10 59 27.0	-2.1
CLL	Collin	6.58 11	ePn	Pn	10 57 32.3	-2.1
CLL	Collin	6.58 11	ePn	Pn	10 58 46.7	-2.5
CLL	Collin	6.58 11	ePn	Pn	10 57 33.1	-1.3
CLL	Collin	6.58 11	ePn	Pn	10 58 46.7	-2.5
CLL	Collin	6.58 11	ePn	Pn	10 59 28.0	-1.1
CLL	Collin	6.58 11	ePn	Pn	10 57 33.0	-1.3
CLL	Collin	6.58 11	ePn	Pn	10 57 33.0	-1.3
CLL	Collin	6.58 11	ePn	Pn	10 57 33.0	-1.3
CLL	Collin	6.58 11	ePn	Pn	10 57	



29du 10h

Table with columns: ARR, Arges, 9.68 82/jP, Pn, 10 58 18.8 +1.8, etc. Lists various flight arrivals and departure times.

2012 MAY

Table with columns: TIRR, Tigrusor, 12.44 86/ljP, Pn, 10 58 55.3 +0.7, etc. Lists various flight arrivals and departure times.

1940

Table with columns: CNIL, Conil, 15.44 243 eP, P, 10 59 40.0 +0.2, etc. Lists various flight arrivals and departure times.







29d 10h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like 4J3A Natural Harves, A33A Warroad, SABA Saba, D36A Goodland, etc.

2012 MAY

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like C32A Crookston, JFWS Jewell Farm, JFWS Jewell Farm, JFWS Jewell Farm, etc.

1944

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like S48A Wiedeman Farm, K39A Oelwein, SAIH SAIIA, L40A Anamosa, etc.







1947

Table with columns for station call letters, location, frequency, and other details. Includes stations like LRM Limekiln Ridge, KDAK Kodiak Island, etc.

2012 MAY

Table with columns for station call letters, location, frequency, and other details. Includes stations like ISCO comp=Z,45nm,1.0s, PEA1 Petropavlovsk, etc.

29d 10h

Table with columns for station call letters, location, frequency, and other details. Includes stations like WHTX Lake Whitney, WHTX Lake Whitney, etc.



1949

Table of meteorological data for 1949, including PSI Prapat, SSSL Suanglung, LDFC Landfair, NEE2 Needles Airpor, 319A Douglas, NACB Ninganchiao, TUQ Turquoise Moun, TUC Tucson, DAC Darwin (Calif), PDMCI Parker Dam Lak, HOPS Hopland Field, GDXM Geysers, MPMC Manual Prospec, IPM Iph, JTS JuntasAbangare, YULB Yu-li, GMRC Granite Mounta, GSC Goldstone, GSC Goldstone, GSC Goldstone, YOJ Yonaguni jima, IRM Iron Mountain, TWG Pinlang, Y12C Blythe, Y12C Blythe, Y12C Blythe, APG El Apazote, RABG Marconi Confer, MCGM Marconi Confer, LRMCC Laurel Mtn Rad, CCIG Comitán, ISA Isabella, Lake, ISA Isabella, Lake, ISA Isabella, Lake, 113A Mohawk Valley, BELC Belle Mtn, Jos, BC3 Big Chuckawall, 214A Organ Pipe Nat, SAO San Andreas Ge, EDW2 Edwards Air Fo, GLA Glamis, GLA Glamis, BBRC Big Bear Solar, HPIC, PAGB Antelope Grade, XPFO Pizon Flat, PFO Pinyon Flats O, PFO Pinyon Flats O, PFO Pinyon Flats O, MNSI Mandailing Nat, BFSC Mount Baldy Ra, JOW Kunigami, JOW Kunigami, OSI Osito Audit: C, SWSC Sam W. Stewart, MWC Mount Wilson

2012 MAY

Table of meteorological data for 2012 MAY, including MWC comp=2.2um,21.0s, PASC Pasadena Art C, MURC Murrieta, PKM Mchpherson Peak, MONP2 Monument Peak, IKP In-Ko-Pah, Jac, BAR Barrett, CPE Camp Elliot, OTAV Otavalo, OTAV Otavalo, HSIG, ZAIG Zacatecas, ZAIG, JHJ Hachijo jima 2, JRQC Juriquilla Cam, MYKOM Kota Tinggi, SRIG Santa Rosalia, LPIG La Paz, LPZAZ La Paz, LPZAZ La Paz, CPUP Villa Florida, KSM Kuching, SBUM Sibiu, SBUM Sibiu, KKM Kota Kinabalu, MYLDM Lahad Datu, LEM Lembah, DAV Davay City (W), TRQA Torquist, UWB Uwekahuna B, NPOC North of Pu'u, JUJZ Jacuzzi, MAN Mawson, MANU Manus Island, NWA0 Narragoin (SRO), RABL Rabaul, WBO Warramunga Arr, WR1 Warramunga Arr, WRA Warramunga Arr, WB2 Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, AS01 Alice Springs, QSPA South Pole Qui, TAOE Nuku Hiva Isla, STKA Stephens Creek, RNTA Vanda, VAND Vanda, VAND Vanda, VAH Vaihoo, CAN Canberra, CAN Canberra, PPT2 Papeete2, AFI Afiamalu, DZM Mont Dzumac, DZM Mont Dzumac, DZM Mont Dzumac, MSVF Nonsavu, MSVF Nonsavu, TBI Tubuai, TBI Tubuai

29d 11h

Table of meteorological data for 29d 11h, including RAVA Massa Finalese, RAVA Massa Finalese, RAVA Massa Finalese, MNTV Mantova, MNTV Mantova, MODE Modena, MODE Modena, MODE Modena, SERM Sermede, SERM Sermede, T0803 Dosso, Cento (, T0803 Dosso, Cento (, PRMA PARMA, PRMA PARMA, OPPE Oppeano, OPPE Oppeano, FIU Minerbio Fiu, FIU Minerbio Fiu, TREG Tregnago, TREG Tregnago, TREG Tregnago, ZOVE Zovencedo, ZOVE Zovencedo, TEOL Teolo, TEOL Teolo, ZENB San Zeno di Mo, ZENB San Zeno di Mo, ROVR Rovera Verone, ROVR Rovera Verone, SALO Salr, SALO Salr, BOTT Botticino, BOTT Botticino, MAGA Magasa, MAGA Magasa, SANR Sandrigo, SANR Sandrigo, SANR Sandrigo, IDC 29 11:00:00.1+0.5, 44:80N;10:85E, h0km, mb4.4/28, mb1 4.5/31, mb1mx4.3/68, mbtmp4.4/31, ML4.2/2, Error ellipse: s-maj=15.0km s-min=11.3km az=138.0, ROM 29 11:00:01.7+0.1, 44:856N;0:003;10:941E;0:003, h8km, ML5.0/44, ISCJB 29 11:00:01.7+0.2, 44:85N;0:02;10:91E;0:02; h21km;1km, mb4.5/76, Error ellipse: s-maj=2.7km s-min=2.0km az=179.2, CSEM 29 11:00:01.9+0.1, 44:88N;10:96E, h10km, mb4.8/41, ML4.9/11, NEIC 29 11:00:02.0+0.0, 44:87N;10:95E, h11km, mb4.8/52, After ROM, PRU 29 11:00:03.6, 44:75N;11:02E, h32km, M4.8, VIE 29 11:00:04.5+0.9, 45:06N;11:21E, h8km, mb4.7/5, m4.7/14, Error ellipse: s-maj=7.9km s-min=4.1km az=41.0 63 km N of Bologna, STR 29 11:00:11.0+4.7, 45:12N;28:10E;3:2, h5km, M5.5/8, MLV5.5/8, LDG 29 11:00:15.9+0.5, 44:87N;10:18E, h2km, M4.7/9, Error ellipse: s-maj=25.2km s-min=12.4km az=13.0, ISC 29 11:00:02.1+0.6, 44:92N;0:02;10:92E;0:02; h13km;3km, n454, r1338/524, mb4.7/76, 12C-14D, Northern Italy













1955

CD2	Chengdu	70.73	65	P	P	11 11 40.3	-1.0
CD2	comp-Z,10.0nm,0.5s						
O40A	La Belle	70.74	308	P	P	11 11 39.8	-1.3
Q42A	Golden Eagle	70.79	306	P	P	11 11 40.3	-1.1
MA2	Magadan	70.80	20	P	P	11 11 40.2	-0.9
MA2	Magadan	70.80	20	eP	P	11 11 41.5	+0.4
ECSD	EROS Data Cent	70.83	313	P	P	11 11 40.0	-1.6
ECSD	EROS Data Cent	70.83	313	eP	P	11 11 40.8	-0.8
S44A	Carbondale	70.87	304	P	P	11 11 40.2	-1.7
R43A	Red Bud	70.87	305	P	P	11 11 40.3	-1.6
456A	Hilliard	71.02	295	P	P	11 11 41.2	-1.7
O39A	Kirkville	71.03	308	P	P	11 11 41.2	-1.7
N38A	Joes South For	71.04	309	P	P	11 11 41.3	-1.7
WVT	Waverly	71.07	302	P	P	11 11 41.1	-2.0
WVT	Waverly	71.07	302	eP	P	11 11 41.5	-1.7
WVT	Waverly	71.07	302	eP	P	11 11 41.5	-1.7
M37A	Trindle Farm,	71.08	310	P	P	11 11 41.4	-1.7
V47A	Nunnelly	71.08	302	P	P	11 11 41.1	-2.1
U46A	Springville	71.12	303	P	P	11 11 41.9	-1.6
Q41A	Truxton	71.17	306	P	P	11 11 42.1	-1.6
W48A	Pulaski	71.19	301	P	P	11 11 42.3	-1.6
X49A	Woodville	71.23	300	P	P	11 11 42.8	-1.3
P40A	Paris	71.24	307	P	P	11 11 42.7	-1.5
Y50A	Piedmont	71.28	299	P	P	11 11 43.4	-1.1
FVM	French Village	71.36	305	eP	P	11 11 43.9	-1.0
FVM	French Village	71.36	305	eP	P	11 11 43.9	-1.0
R42A	Luebbering	71.37	306	P	P	11 11 43.4	-1.5
S43A	Fulton Ridge,	71.43	305	P	P	11 11 43.7	-1.6
M36A	Felix, Anita	71.45	310	P	P	11 11 43.8	-1.6
V46A	Holladay	71.46	302	P	P	11 11 43.7	-1.8
U45A	Rockin P Farm,	71.48	303	P	P	11 11 44.0	-1.7
253A	Americus	71.49	297	P	P	11 11 44.4	-1.4
W47A	Westpoint	71.52	301	P	P	11 11 43.9	-1.9
N37A	Lee Faris, Mou	71.60	309	P	P	11 11 44.7	-1.6
Q40A	Laux Farm, Aux	71.62	307	P	P	11 11 44.7	-1.7
O38A	Galt	71.64	309	P	P	11 11 45.1	-1.4
455A	Stateville	71.66	295	P	P	11 11 45.2	-1.6
P39B	Salisbury	71.67	308	P	P	11 11 45.3	-1.5
R41A	Rosebud	71.70	306	P	P	11 11 45.3	-1.6
X48A	Hartselle	71.72	300	P	P	11 11 45.6	-1.4
S42A	Caledonia	71.72	305	P	P	11 11 45.4	-1.6
Y49A	Blount Mountai	71.72	300	P	P	11 11 45.3	-1.8
556A	Lake Butler	71.75	294	P	P	11 11 45.7	-1.6
CCM	Cathedral Cave	71.78	306	P	P	11 11 45.6	-1.8
CCM	Cathedral Cave	71.78	306	eP	P	11 11 46.0	-1.4
CCM	Cathedral Cave	71.78	306	eP	P	11 11 46.0	-1.4
Z50A	Ashland	71.82	299	P	P	11 11 46.2	-1.5
U44B	Burton Farm, H	71.84	303	P	P	11 11 46.0	-1.8
T43A	Greenville	71.89	304	P	P	11 11 46.5	-1.6
151A	Opelika	71.94	298	P	P	11 11 47.1	-1.3
O37A	Wolven Farm, M	71.98	309	P	P	11 11 47.0	-1.6
PLAL	Pickwick Lake	71.99	301	eP	P	11 11 47.1	-1.6
V45A	Humboldt	72.01	303	P	P	11 11 47.2	-1.6
P38A	Dawn	72.01	308	P	P	11 11 47.2	-1.6
353A	Camilla	72.02	296	P	P	11 11 47.7	-1.2
W46A	Michie	72.02	302	P	P	11 11 47.5	-1.6
BJI	Beijing	72.09	511	eP	P	11 11 48.8	-0.4
Q39A	Willow Grove F	72.10	307	P	P	11 11 47.7	-1.6
Y48A	Jasper	72.15	300	P	P	11 11 48.0	-1.7
X47A	Russellville	72.17	301	P	P	11 11 47.7	-2.1
PBMO	Poplar Bluff	72.18	304	eP	P	11 11 48.6	-1.2
R40A	Nadlies Statio	72.21	306	P	P	11 11 48.2	-1.8
SCM	Sheep Creek Mo	72.22	349	eP	P	11 11 50.4	+0.6
SCM	Sheep Creek Mo	72.22	349	eP	P	11 11 50.4	+0.6
Z49A	Columbiana	72.24	299	P	P	11 11 48.8	-1.5
251A	Midway	72.28	298	P	P	11 11 49.0	-1.5
150A	Eclectic	72.32	298	P	P	11 11 49.2	-1.5
SML	Sawmill	72.37	350	eP	P	11 11 50.9	+0.3
SML	Sawmill	72.37	350	eP	P	11 11 50.9	+0.3
352A	Blakely	72.38	297	P	P	11 11 49.8	-1.4
S41A	Jilco Farms,	72.39	306	P	P	11 11 49.7	-1.4
T42A	Van Buren	72.39	305	P	P	11 11 49.7	-1.4
453A	Whigham	72.41	296	P	P	11 11 50.3	-1.0
U43A	Rector	72.44	304	P	P	11 11 50.2	-1.2
P37A	Lathrop	72.49	309	P	P	11 11 49.5	-2.1
Q38A	Cooks Store, C	72.52	308	P	P	11 11 50.2	-1.6
W45A	Hickory Valley	72.54	302	P	P	11 11 50.2	-1.8
X46A	Booneville	72.58	301	P	P	11 11 50.8	-1.4
R39A	Chumby, Stover	72.64	307	P	P	11 11 51.0	-1.5
LRAL	Lakeview Retre	72.64	299	P	P	11 11 51.1	-1.5
LRAL	Lakeview Retre	72.64	299	eP	P	11 11 51.6	-1.0

2012 MAY

Z48A	Northport	72.75	300	P	P	11 11 51.7	-1.6
T41A	Mountain View	72.78	305	P	P	11 11 52.1	-1.3
857A	Zephyrhills	72.78	293	P	P	11 11 52.3	-1.2
149A	Jones	72.80	299	P	P	11 11 52.1	-1.5
S40A	Lebanon	72.82	306	P	P	11 11 52.2	-1.4
V43A	Jonesboro	72.92	304	P	P	11 11 52.7	-1.5
U42A	Reviden	72.94	304	P	P	11 11 53.0	-1.4
KLR	Kul'dur	72.99	36	P	P	11 11 53.3	-1.1
KLR	Kul'dur	72.99	36	eP	P	11 11 54.1	-0.3
SUA	Susitna One	73.00	351	eP	P	11 11 54.7	+0.3
Q37A	Longview Farm,	73.04	308	P	P	11 11 53.5	-1.5
OXF	Oxford	73.11	302	P	P	11 11 53.4	-2.0
OXF	Oxford	73.11	302	eP	P	11 11 54.6	-0.8
OXF	Oxford	73.11	302	eP	P	11 11 54.6	-0.8
T40A	Mansfield	73.14	306	P	P	11 11 54.2	-1.3
X45A	UM Field Stati	73.16	302	P	P	11 11 53.6	-2.1
957A	Wimauma	73.19	292	P	P	11 11 54.9	-1.0
Z47A	Carrollton	73.19	300	P	P	11 11 54.3	-1.6
Y46A	Houston	73.21	301	P	P	11 11 53.7	-2.3
R38A	Fenwick Farm,	73.22	307	P	P	11 11 54.3	-1.6
S39A	Bolivar	73.23	307	P	P	11 11 54.4	-1.6
148A	Greensboro	73.25	299	P	P	11 11 54.7	-1.6
BGNE	Belgrade	73.27	312	P	P	11 11 55.0	-1.3
U41A	Viola	73.35	305	P	P	11 11 55.6	-1.2
LAO	LASA Array	73.38	320	P	P	11 11 55.3	-1.6
LAO	LASA Array	73.38	320	eP	P	11 11 57.8	+0.9
V42A	Cord	73.41	304	P	P	11 11 56.0	-1.1
249A	Camden	73.43	299	P	P	11 11 56.2	-1.1
X44A	Crenshaw	73.56	302	P	P	11 11 56.7	-1.3
S38A	Stanton	73.60	307	P	P	11 11 56.9	-1.3
Y45A	Yeager Farm, C	73.63	302	P	P	11 11 56.7	-1.8
147A	Livingston	73.67	300	P	P	11 11 56.9	-1.9
T39A	Clever	73.72	306	P	P	11 11 57.7	-1.3
248A	Dixon Mills	73.73	299	P	P	11 11 58.3	-0.8
V41A	Mountainview	73.87	304	P	P	11 11 58.8	-1.1
U40A	Yellville	73.88	305	P	P	11 11 58.7	-1.2
349A	Repton	73.90	298	P	P	11 11 59.1	-1.0
KMI	Kunming	73.90	71	P	P	11 12 02.3	+1.8
KMI	Kunming			pP	pP	11 20 05.3	+0.4
KMI	Kunming			sP	sP	11 20 06.5	0.0
KMI	comp-Z,8.0nm,0.5s						
KMI	comp-Z,230nm,6.0s						
KMI	comp-Z,880nm,17.8s						
KMI	comp-Z,640nm,15.5s						
KMI	comp-Z,880nm,21.5s						
EGMT	Eagleton	73.92	323	P	P	11 11 59.6	-0.5
EGMT	Eagleton	73.92	323	eP	P	11 12 00.6	+0.5
X43A	Marvell	73.99	303	P	P	11 11 59.3	-1.2
Z45A	Winona	74.06	301	P	P	11 11 59.4	-1.6
KSU1	Kansas State U	74.08	310	P	P	11 11 59.7	-1.4
KSU1	Kansas State U	74.08	310	eP	P	11 12 00.4	-0.6
146A	Union	74.18	300	P	P	11 12 00.1	-1.6
U39A	Green Forest	74.23	306	P	P	11 12 00.6	-1.4
T38A	Diamond	74.24	307	P	P	11 12 00.5	-1.5
V40A	Witts Springs	74.25	305	eP	P	11 12 01.0	-1.2
V40A	Witts Springs	74.25	305	eP	P	11 12 01.2	-0.9
RSSD	Black Hills	74.27	317	P	P	11 12 01.5	-0.9
BOSA	Boshof	74.28	167	P	P	11 12 00.9	-1.2
BOSA	Boshof	74.28	167	P	P	11 12 01.0	-1.2
BOSA	comp-Z,3.1nm,0.8s,baz=351,slow=4.8,SNR=4.0						
BOSA	comp-Z,3.0nm,0.8s						
WHAR	Woody Hollow	74.29	304	eP	P	11 12 01.8	-0.6
247A	Quitman	74.30	300	P	P	11 12 01.4	-1.0
W41B	Gary Mavity, V	74.35	304	P	P	11 12 01.6	-1.1
W41B	Gary Mavity, V	74.35	304	eP	P	11 12 01.8	-0.9
X42A	Stuttgart	74.41	303	P	P	11 12 01.9	-1.1
HHAR	Hobbs	74.56	306	eP	P	11 12 03.0	-1.0
Z44A	Pea Ridge, Bel	74.58	302	P	P	11 12 03.1	-0.9
V39A	Pettigrew	74.70	305	P	P	11 12 03.8	-1.0
347A	Saraland	74.70	299	P	P	11 12 03.8	-1.0
145A	Houston Renfro	74.73	301	P	P		







29DA 11h

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like RETA Reutte, NRCA Norcia, SAOF Saorge, KBA Koelnbreinsper, etc.

2012 MAY

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like CDF Champ du Feu, GERES GERESS Array S, BLY Banja Luka, etc.

1958

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like NOA NORSAR Array B, ANTO Ankara, KIV Kislovodsk, etc.

CSEM 29 11:09:47.8, 44:90'N, 10:92'E, h6km, ML3.6/15
ROM 29 11:09:47.8-0.1, 44:30'N, 0:00'6, 10:915'E-0:005, h6km, ML3.6/8, Northern Italy

Table with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Code Station Name, Phase ID, Time Res, etc.

ISCJB 29 11:10:19.8, 0.8, 54:10'N, 0:10:169:02'E, 0:10, h25km, mb3.3/3, Error ellipse: s-maj=14.1km s-min=8.4km az=176.4
IDC 29 11:10:19.2, 2.2, 54:51'N, 168:98'E, h0km, mb3.4/3, mb1 3.8/4, mb1mx3.3/77, mbtmpp3.4/4, ML2.5/1, Error ellipse: s-maj=92.9km s-min=31.2km az=160.0
MOS 29 11:10:20.2, 0.9, 54:05'N, 169:05'E, h30km, mb4.1/2, Error ellipse: s-maj=19.1km s-min=10.5km az=22.1
KRSC 29 11:10:23.2, 2.1, 54:07'N, 168:52'E, h59km, 25km, ML4.1
ISC 29 11:10:21.4, 1.1, 54:11'N, 0:10:168:94'E-0:08, h25km, n37, az=169.34, mb3.4/3, Komandorsky Islands region

Table with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like BKI Bering, BKI Bering, BKTR Krutoberegovo, etc.

Table with columns: ILAR, Eielson Array, 24.32 46 P, P, 11 15 35.3 -1.3, 5.0mm, 0.6s, baz=255, slow=7.6, SNR=9.5

CSEM 29 11:10:35.4, 44:88N, 11:26E, h7km, ROM 29 11:10:35.4, 0.2, 44:878N, 0:006, 11:264E, 0:009, h7km, Md1.4/2, Northern Italy

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, T0800 Massa Finalese, 0.03 203 P, P, 11 10 37.8 +1.1

IDC 29 11:10:40.2, 1.9, 44:84N, 11:06E, h0km, mb3.6/2, mb1 3.6/3, mb1mx3.2/63, mbtmpt3.5/3, ML2.9/1, Error ellipse: s-maj=5.3km s-min=16.5km az=110.0

ROM 29 11:10:41.8, 0.0, 44:880N, 0:002, 11:040E, 0:003, h3km, ML3.2/17

ISC/JB 29 11:10:42.6, 0.3, 44:94N, 0:02, 11:00E, 0:03, h12km, 2km, mb3.7/2, Error ellipse: s-maj=3.5km s-min=2.6km az=5.0

IASPEI 29 11:10:42.5, 0.8, 44:91N, 0:02, 11:01E, 0:02, h11km, 4km, Error ellipse: s-maj=3.0km s-min=2.6km az=99.0, GTS selection from ISC bulletin GTS 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

CSEM 29 11:10:42.6, 0.2, 44:95N, 11:00E, h5km, ML3.2, Error ellipse: s-maj=5.4km s-min=3.7km az=93.0

PRU 29 11:10:43.8, 44:71N, 11:39E, h27km, ISC 29 11:10:42.2, 0.7, 44:90N, 0:02, 11:01E, 0:02, h12km, 4km, n93, c099/113, 5C-6D, Northern Italy

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, T0818 Loc. Fossa, Co, 0.04 17 i/P, P, 11 10 46.4 +0.5

Table with columns: FIU Minerbio Fiu, 0.43 127 eP, P, 11 10 50.4 -0.2, T0815 Correggio (RE), 0.50 93 eP, P, 11 10 53.5 +0.5

CSEM 29 11:19:08.8, 44:88N, 10:92E, h8km, ML3.0/13, ROM 29 11:19:08.8, 0.2, 44:884N, 0:008, 10:923E, 0:009, h8km, Md1.7/1, Northern Italy

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, MTRZ Monterenzio, 0.61 148 eP, P, 11 10 56.8 0.0

Table with columns: TORD Torodi Ar. Bea, 32.63 197 P, P, 11 17 12.5 -1.4, MKAR Makanchi Array, 48.10 61 P, P, 11 19 21.8 +0.1

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, SBPO S. Benedetto Po, 0.17 359 P, P, 11 19 14.6 +2.3

CSEM 29 11:19:44.2, 0.3, 44:88N, 11:04E, h13km, 2km, ML3.1, Error ellipse: s-maj=6.6km s-min=5.9km az=17.0

ROM 29 11:19:44.5, 0.0, 44:889N, 0:001, 11:031E, 0:001, h6km, ML3.1/20, 5C-12Z, Northern Italy

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, T0818 Loc. Fossa, Co, 0.05 359 i/P, P, 11 19 46.4 +0.6



ISCJB 29 11:43:23.8-0.7, 11.67S;0.07-166.6E;0.2,h250km,  
mb3.8/12, Error ellipse: s-maj=23.1km s-min=8.9km  
az=173.8

ISC 29 11:43:25.4-4.1, 11.72S;166.61E,h250km,41km,  
mb3.5/12, mb1.3/7.13, mb1mx3.4/4.9, mbtm4.1/13, Error  
ellipse: s-maj=25.4km s-min=16.3km az=68.0

ISC 29 11:43:25.3-0.8, 11.73S;0.08-166.6E;0.2,h250km,n13,  
r1522/14, mb3.7/12, Santa Cruz Islands

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
Code	Station Name	Δ° AZ°	Phase ID	ISC	h m s	ISC
DZM	Mont Dzumac	10.29 181	Op	Pn	11 45 49.1	+1.5
DZM	2.5nm, 0.3s, bazz=319, slow=23, SNR=39			S		
URZ	Urewera	28.03 182	P	P	11 48 53.8	+0.3
URZ	4.2nm, 0.4s, bazz=346, slow=14, SNR=5.3			P		
WRA	Warramunga Arr	50.72 251	P	P	11 49 28.3	-1.0
WRA	1.5nm, 1.2s, bazz=85, slow=9, SNR=3.6			P		
RPZ	Rata Peaks	32.10 174	P	P	11 49 29.2	0.0
RPZ	6.3nm, 0.5s, bazz=279, slow=23, SNR=6.4			P		
ASAR	Alice Springs	33.27 245	P	P	11 49 38.7	-1.0
ASAR	0.2nm, 0.4s, bazz=68, slow=17, SNR=5.0			P		
MJAR	Matsushiro Arr	54.97 332	P	P	11 52 29.6	-1.3
MJAR	2.1nm, 0.5s, bazz=170, slow=14, SNR=4.7			P		
ASAJ	Asahikawa	59.72 340	P	P	11 53 04.8	+1.0
ASAJ	3.6nm, 0.6s, bazz=213, slow=7.4, SNR=6.9			P		
VNDA	Vanda	65.83 181	P	P	11 53 44.1	+0.6
VNDA	1.4nm, 0.3s, bazz=358, slow=4.2, SNR=6.3			P		
CMAR	Chiang Mai Arr	73.17 293	P	P	11 54 31.0	+1.6
CMAR	1.0nm, 0.7s, bazz=122, slow=4.4, SNR=9.9			P		
SONM	Songino Array	79.72 324	P	P	11 55 05.9	+0.3
SONM	0.9nm, 0.7s, bazz=142, slow=6.2, SNR=4.4			P		
ILAR	Eielson Array	83.89 18	P	P	11 55 26.1	-0.6
ILAR	1.6nm, 0.9s, bazz=226, slow=5.9, SNR=9.8			P		
MKAR	Makanchi Array	94.61 317	P	P	11 56 18.1	+0.3
MKAR	1.2nm, 0.7s, bazz=99, slow=6.2, SNR=12			P		
YKA	Yellowknife Arr	95.16 27	P	P	11 56 18.6	-1.4
YKA	0.2nm, 0.5s, bazz=258, slow=9.9, SNR=5.0			P		

JMA 29 12:02:03.5-0.1, 35.69N;140.88E,h15km;1km, M3.5,  
1C-1D, Near east coast of eastern Honshu

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
Code	Station Name	Δ° AZ°	Phase ID	ISC	h m s	ISC
CHJO	Chosi	0.02 306	Op	Pg	12 02 07.0	-0.2
CHJO	1.2nm, 0.5s, bazz=319, slow=23, SNR=39			S		
KTR	Katsura	0.71 221	P	Pg	12 02 17.4	0.0
KTR	1.2nm, 0.5s, bazz=319, slow=23, SNR=39			S		
JYT	Yasato	0.77 314	S	Sb	12 02 28.2	-0.6
JYT	0.9nm, 0.5s, bazz=319, slow=23, SNR=39			S		
HO	Goose 3	0.94 199	Op	Pg	12 02 21.1	-0.2
HO	1.2nm, 0.5s, bazz=319, slow=23, SNR=39			S		
JHO	Hitachi	0.95 345	P	Pb	12 02 20.4	-1.3
JHO	1.2nm, 0.5s, bazz=319, slow=23, SNR=39			S		
MAT	Matsushiro	2.33 292	P	Pb	12 02 41.2	-0.1
MAT	1.2nm, 0.5s, bazz=319, slow=23, SNR=39			S		

VIE 29 12:05:18.3-1.9, 44.57N;11.27E,h8km,mb2.6/11,  
mI2.9/15, Error ellipse: s-maj=17.8km s-min=10.5km  
az=114.0, 9 km, 0.3s, bazz=319, slow=23, SNR=39

PRU 29 12:05:20.4, 44.91N;10.56E,h11km,  
ISCJB 29 12:05:23.9-0.6, 44.96N;10.04-10.93E;0.08,h18km;7km,  
Error ellipse: s-maj=9.2km s-min=6.5km az=9.4

CSEM 29 12:05:23.9-0.2, 44.98N;11.05E,h10km,ML2.6, Error  
ellipse: s-maj=9.6km s-min=4.1km az=97.0

ROM 29 12:05:23.5-0.1, 44.915N;0.006-10.949E;0.004,  
h15km,ML2.6/3

ISC 29 12:05:24.8-0.9, 44.995N;0.002-10.97E;0.04,h16km;5km,  
n52, r1537/63, 2D, Northern Italy

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
Code	Station Name	Δ° AZ°	Phase ID	ISC	h m s	ISC
T0818	Loc. Fossa, Co	0.04 106	eP	Pg	12 05 27.1	-0.6
T0818	0.5nm, 0.3s, bazz=330, slow=13, SNR=13			S		
T0818	Loc. Fossa, Co	0.04 106	eP	Pg	12 05 27.1	-0.6
T0818	0.5nm, 0.3s, bazz=330, slow=13, SNR=13			S		
T0814	Loc. Cortile	0.15 181	iP	Pg	12 05 27.6	-1.7
T0814	0.5nm, 0.3s, bazz=330, slow=13, SNR=13			S		
T0814	Loc. Cortile	0.15 181	iP	Pg	12 05 27.6	-1.7
T0814	0.5nm, 0.3s, bazz=330, slow=13, SNR=13			S		
T0813	Massa Finalese	0.17 113	eP	Pg	12 05 29.2	+0.1
T0813	0.5nm, 0.3s, bazz=330, slow=13, SNR=13			S		
T0813	Massa Finalese	0.17 113	eP	Pg	12 05 29.2	+0.1
T0813	0.5nm, 0.3s, bazz=330, slow=13, SNR=13			S		
T0824	Loc. Limiti di	0.19 190	iP	Pg	12 05 28.3	-1.6
T0824	0.5nm, 0.3s, bazz=330, slow=13, SNR=13			S		
T0824	Loc. Limiti di	0.19 190	iP	Pg	12 05 28.3	-1.6
T0824	0.5nm, 0.3s, bazz=330, slow=13, SNR=13			S		
RAVA	Ravarino	0.22 152	eP	Pb	12 05 29.3	-1.1
RAVA	0.5nm, 0.3s, bazz=330, slow=13, SNR=13			S		
RAVA	Ravarino	0.22 152	eP	Pb	12 05 29.3	-1.1
RAVA	0.5nm, 0.3s, bazz=330, slow=13, SNR=13			S		
T0800	Massa Finalese	0.22 117	eP	Pg	12 05 29.7	-0.7
T0800	0.5nm, 0.3s, bazz=330, slow=13, SNR=13			S		
T0817	Loc. Veratica	0.34 82	eP	Pg	12 05 30.6	-1.4
T0817	0.5nm, 0.3s, bazz=330, slow=13, SNR=13			S		
T0817	Loc. Veratica	0.34 82	eP	Pg	12 05 30.6	-1.4
T0817	0.5nm, 0.3s, bazz=330, slow=13, SNR=13			S		
T0821	Loc. Casaglia	0.41 96	AML	AML		
T0821	comp=E, 1225µm, 0.4s			AML		
ZCCA	Zocca	0.60 180	eP	Pb	12 05 35.2	-1.7
ZCCA	0.5nm, 0.3s, bazz=330, slow=13, SNR=13			S		
ZCCA	Zocca	0.60 180	eP	Pb	12 05 35.2	-1.7
ZCCA	0.5nm, 0.3s, bazz=330, slow=13, SNR=13			S		
TEOL	Teolo	0.64 50	eP	Pb	12 05 34.8	-2.9
TEOL	0.5nm, 0.3s, bazz=330, slow=13, SNR=13			S		
TEOL	Teolo	0.64 50	eP	Pb	12 05 34.8	-2.9
TEOL	0.5nm, 0.3s, bazz=330, slow=13, SNR=13			S		
MTRZ	Monterenzio	0.67 148	eP	Pg	12 05 38.2	+0.2
MTRZ	0.5nm, 0.3s, bazz=330, slow=13, SNR=13			S		
MTRZ	Monterenzio	0.67 148	eP	Pg	12 05 38.2	+0.2
MTRZ	0.5nm, 0.3s, bazz=330, slow=13, SNR=13			S		
ROVR	Roverà Verone	0.70 6	eP	Pb	12 05 36.4	-2.4
ROVR	0.5nm, 0.3s, bazz=330, slow=13, SNR=13			S		
ROVR	Roverà Verone	0.70 6	eP	Pb	12 05 36.4	-2.4
ROVR	0.5nm, 0.3s, bazz=330, slow=13, SNR=13			S		
ROVR	Roverà Verone	0.70 6	eP	Pb	12 05 36.4	-2.4
ROVR	0.5nm, 0.3s, bazz=330, slow=13, SNR=13			S		
FNDV	Fontana Vidola	0.79 172	eP	Pb	12 05 38.6	-1.6
FNDV	0.5nm, 0.3s, bazz=330, slow=13, SNR=13			S		
FNDV	Fontana Vidola	0.79 172	eP	Pb	12 05 38.6	-1.6
FNDV	0.5nm, 0.3s, bazz=330, slow=13, SNR=13			S		
IMOL	Imola, Italy	0.80 137	AML	AML		
IMOL	comp=N, 126µm, 0.4s			AML		
IMOL	Imola, Italy	0.80 137	AML	AML		
IMOL	comp=N, 126µm, 0.4s			AML		
FETA	Feichten	2.08 355	Pn	Pn	12 05 59.4	+0.1
FETA	comp=E, 4.9nm, 0.4s			Pn		
FETA	Feichten	2.08 355	Pn	Pn	12 05 59.4	+0.1
FETA	comp=E, 4.9nm, 0.4s			Pn		
ABTA	Abfaltersbach	2.10 30	Pn	Pn	12 05 59.4	0.0
ABTA	comp=E, 2.3nm, 0.2s			Pn		
ABTA	Abfaltersbach	2.10 30	Pn	Pn	12 05 59.4	0.0
ABTA	comp=E, 2.3nm, 0.2s			Pn		
WTTA	Wattenberg	2.36 11	Pn	Pn	12 06 03.3	+0.1
WTTA	comp=E, 2.4nm, 0.2s			Pn		
WTTA	Wattenberg	2.36 11	Pn	Pn	12 06 03.3	+0.1
WTTA	comp=E, 2.4nm, 0.2s			Pn		
WTTA	Wattenberg	2.36 11	Pg	Pn	12 06 04.3	+1.2
WTTA	comp=E, 2.4nm, 0.2s			Sb		
WTTA	Wattenberg	2.36 11	Pg	Pn	12 06 04.3	+1.2
WTTA	comp=E, 2.4nm, 0.2s			Sb		
MOTA	Moosalm	2.40 2	Pn	Pn	12 06 03.6	0.0
MOTA	comp=E, 5.6nm, 0.4s			Pn		
MOTA	Moosalm	2.40 2	Pn	Pn	12 06 03.6	0.0
MOTA	comp=E, 5.6nm, 0.4s			Pn		
WATA	Walderalm	2.43 10	Pn	Pn	12 06 03.9	-0.1
WATA	comp=E, 9.1nm, 0.4s			Pn		
WATA	Walderalm	2.43 10	Pn	Pn	12 06 03.9	-0.1
WATA	comp=E, 9.1nm, 0.4s			Pn		
DAVA	Damuels	2.46 342	Pn	Pn	12 06 04.3	-0.1
DAVA	comp=E, 1.5nm, 0.2s			Pn		
DAVA	Damuels	2.46 342	Pn	Pn	12 06 04.3	-0.1
DAVA	comp=E, 1.5nm, 0.2s			Pn		
MYKA	Terra Mystica	2.51 47	Pg	Pb	12 06 09.3	-0.3
MYKA	comp=E, 1.3nm, 0.1s			Pg		
MYKA	Terra Mystica	2.51 47	Pg	Pb	12 06 09.3	-0.3
MYKA	comp=E, 1.3nm, 0.1s			Pg		
RETA	Reutte	2.54 357	Pn	Pn	12 06 05.7	+0.2
RETA	comp=E, 0.9nm, 0.2s			Pn		
RETA	Reutte	2.54 357	Pn	Pn	12 06 05.7	+0.2
RETA	comp=E, 0.9nm, 0.2s			Pn		
KBA	Koelbreinsper	2.70 37	Pg	Pb	12 06 13.2	+0.4
KBA	comp=E, 6.5nm, 0.3s, SNR=6.9			Pg		
KBA	Koelbreinsper	2.70 37	Pg	Pb	12 06 13.2	+0.4
KBA	comp=E, 6.5nm, 0.3s, SNR=6.9			Pg		
OBKA	Obir	2.95 57	ePn	Pn	12 06 09.4	-1.7
OBKA	comp=E, 0.8nm, 0.2s			Pn		
OBKA	Obir	2.95 57	ePn	Pn	12 06 09.4	-1.7
OBKA	comp=E, 0.8nm, 0.2s			Pn		
MOA	Molin	3.69 37	Pn	Pn	12 06 20.2	-1.0
MOA	comp=E, 1.3nm, 0.3s			Pn		
MOA	Molin	3.69 37	Pn	Pn	12 06 20.2	-1.0
MOA	comp=E, 1.3nm, 0.3s			Pn		
KHC	Kasperske Hory	4.55 22	ePn	Pg	12 06 31.0	-2.0
KHC	comp=E, 8.9nm, 0.5s			Pg		
KHC	Kasperske Hory	4.55 22	ePn	Pg	12 06 31.0	-2.0
KHC	comp=E, 8.9nm, 0.5s			Pg		

KHC comp=E, 8.9nm, 0.5s  
KHC Kasperske Hory 4.55 22 ex x 12 07 57.4  
KHC Pn S 12 06 26.8 -4.5  
KHC Pn S 12 06 31.0 -2.0  
KHC S 12 07 26.7 +



ISCJB 29 13:03:24.0.7.39'62N.0'03:38'28E.0'05, h0km, Error ellipse: s-maj=5.5km s-min=4.6km az=23.9

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include ILIC ilic-Erzincan, KEMA Kemaliye, SUSE Susehri, etc.

ISCJB 29 13:03:22.6.1.1, 39.69N.0'05:38'18E.0'04, h0km, n22, c053/36, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include ERZAN Erzincan, PTK Pertek, ELZG Elazig, etc.

ISCJB 29 13:03:59.7.1.2, 6'54S.0'08:130'54E.0'09, h146km, mb3.6/2, Error ellipse: s-maj=13.7km s-min=10.2km

ISCJB 29 13:04:04.6.9.2, 6'62S.130'20E, h170km, 93km, mb3.4/2, mb1.3/3.6, mb1mx3.1/5.2, mbtmpp3.6/6, Error ellipse: s-maj=91.2km s-min=29.9km az=47.0

ISCJB 29 13:04:01.4.1.4, 6.74S.0'10:130'6E.0'1, h146km, n6, c263/10, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include BATI Baumata, FITZ Fitzroy Crossi, WRA Warrungarra Arr, etc.

ISCJB 29 13:20:02.0.3.0.6, 19'99N.0'08:122'0E.0'1, h100km, mb3.9/12, Error ellipse: s-maj=16.0km s-min=11.8km

ISCJB 29 13:20:04.5.3.6, 20'00N.122'02E, h105km, 35km, mb3.2/12, mb1.3/7.14, mb1mx3.6/6, mbtmpp4.0/14, MS2.7/1, Ms1.2.9/1, ms1mx3.6/5.6, Error ellipse: s-maj=23.0km s-min=17.5km az=148.7

ISCJB 29 13:20:00.0.8.0.20, 0'01:122'0E.0'1, h100km, n20, c080/14, mb3.9/12, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include JOW Kunigami, KRSW Korea Arr, CMAR Chiang Mai Arr, etc.

ISCJB 29 13:25:18.9.4, 60'69N.37'45E, h5km, ML2.4/2, DDA 29 13:25:20.0.3.4, 60'56N.37'66E, h2km, ML2.4, Error ellipse: s-maj=6.1km s-min=5.4km az=151.0

ISCJB 29 13:25:19.3.1.2, 40.63N.0'04:37'63E.0'03, h9km, 11km, n21, c064/33, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include RSDY Resadiye-TOKAT, ORDU Ordu-Boztepe, GRSN GiresunGRSN, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include ERBA Erbaa, ERBA Erbaa, ERBA Erbaa, etc.

ISCJB 29 13:35:21.4.0.7, 39'05N.0'03:41'18E.0'05, h7km, 4km, Error ellipse: s-maj=7.1km s-min=4.3km az=147.2

CSEM 29 13:35:21.6.0.2, 39'04N.4'18E, h10km, ML2.7, Error ellipse: s-maj=4.0km s-min=4.8km az=59.0

ISCJB 29 13:35:21.2.39.03N.41'17E, h7km, ML2.7/4, DDA 29 13:35:22.1.39.00N.41'11E, h11km, M12.7, Error ellipse: s-maj=14.4km s-min=9.2km az=91.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include BNGU BINGOL, BNGV Bing'ji, BGOL BINGOL, etc.

DJA 29 13:41:11.6.1.6, 6'S.7'12'8E, h375km, 29km, M4.3/6, mb4.4/4, mb4.7/3, MLV4.3/6, Mw(mb)3.9/3

ISCJB 29 13:41:12.4.0.5, 6.40S.0'05:128'12E.0'09, h353km, mb3.4/6, Error ellipse: s-maj=11.7km s-min=6.7km

ISCJB 29 13:41:14.4.2.1, 6.44S.128'08E, h363km, 24km, mb3.3/6, mb1.3/4.11, mb1mx3.1/5.8, mbtmpp4.1/11, Error ellipse: s-maj=32.3km s-min=10.2km az=69.0

ISCJB 29 13:41:13.1.0.7, 6.47S.0'07:128'03E.0'09, h353km, n17, c171/20, mb3.5/6, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include MSAI Masoshi, NLAJ Namlea, SANI Sanana, etc.

SOME 29 13:41:19.8.42, 0'09N.81'85E, h10km, NNC 29 13:41:25.0.2.3, 43'04N.81'67E, h7km, 9km, mb3.0, mpv2.6, Error ellipse: s-maj=21.3km s-min=9.3km

ISCJB 29 13:41:21.1.2.6, 42'85N.0'09:81'75E.0'08, h6km, 12km, n16, c1979/33, 3C-6D, Northern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include KTM5 Ketmen, SHLS Shalkode, SHLS Shalkode, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include KPKS Kopek, KURS Kuram, KURS Kuram, etc.

ISCJB 29 13:48:56.5.0.6, 21'63N.0'05:143'1E.0'1, h311km, mb3.7/21, Error ellipse: s-maj=17.0km s-min=7.4km

ISCJB 29 13:48:56.9.1.6, 21'65N.143'10E, h297km, 15km, mb3.5/22, mb1.3/6.25, mb1mx3.4/7.2, mbtmpp4.2/25, Error ellipse: s-maj=14.4km s-min=9.2km az=91.0

ISCJB 29 13:48:58.1.0.6, 21'69N.0'07:143'1E.0'1, h311km, n27, c080/31, mb3.7/21, Mariana Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include JCJ Chichijima, MJAR Matsushiro Arr, JNU Nakata, etc.

ISCJB 29 13:49:51.3.3.0, 36'01N.70'38E, h131km, 23km, mb3.6/15, mb1.3/7.21, mb1mx3.4/7.4, mbtmpp4.1/21, Error ellipse: s-maj=24.2km s-min=13.3km az=160.0

ISCJB 29 13:49:53.4.0.3, 36'24N.0'02:32E.0'04, h150km, mb3.8/14, Error ellipse: s-maj=4.8km s-min=3.0km az=161.2

NEIC 29 13:49:55.4.0.5, 36'29N.70'30E, h158km, 8km, mb4.1/4, Error ellipse: s-maj=10.0km s-min=6.8km az=138.0

NEIC 29 13:49:58.7.1.8, 36'59N.70'10E, h152km, 30km, mb3.6, mpv4.3, Error ellipse: s-maj=16.9km s-min=14.4km

ISCJB 29 13:49:54.0.5.36, 27N.0'05:36'27N.0'05:36'27E.0'05, h105km, n82, c1889/96, mb3.9/14, 11C-2D, Hindu Kush region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include KBL Kabul, CEP Cherat, NIL Nilore, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MNAS Manas, UNAS Uchtor, NRN Narayn, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like OFUJ Ofunato, MIYJ Miyakonagasawa, JTH Tanohata, etc.

ISCJ 29 13:58:03.6:2.1, 54:51N:168:68E, h0km, mb3.1/4, mb1 3.4/5, mb1mx3.1/76, mbtmp3.1/5, ML2.3/1, Error ellipse: s-maj=73.7km s-min=21.4km az=170.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BKI Bering, KBT Krutoberegovo, MKZ MYS Kozlova, etc.

ROM 29 13:59:02.8:0.1, 44:915N:0:005:10:911E:0:008, h8km, ML3.1/44, ISCJB 29 13:59:04.8:0.3, 44:96N:0:02:10:84E:0:03, h11km, 3km, Error ellipse: s-maj=2.5km s-min=2.5km az=12.7

ISC 29 13:59:04.7:0.9, 44:95N:0:01:10:89E:0:02, h13km, 6km, n178, s112/219, 1C-3D, Northern Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SBPO S.Benedetto Po, SBPO S.Benedetto Po, SBPO S.Benedetto Po, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like T8000 Massa Finalese, T8000 comp=E,7680um,0.2s, T8000 comp=N,6820um,0.7s, etc.

MODE Modena 0.32 172 P Pg 13 59 10.9 -0.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like T8003 Dosso, Centro, T8003 Dosso, Centro, T8020 Chiesuelo del F.

Code Station Name Az Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BKI Bering, KBT Krutoberegovo, MKZ MYS Kozlova, etc.

ROM 29 13:59:02.8:0.1, 44:915N:0:005:10:911E:0:008, h8km, ML3.1/44

ISCJB 29 13:59:04.8:0.3, 44:96N:0:02:10:84E:0:03, h11km, 3km, Error ellipse: s-maj=2.5km s-min=2.5km az=12.7

PRU 29 13:59:04.9:0.4, 47:97N:10:70E, h5km, LDG 29 13:59:05.3:0.3, 44:88N:11:03E, h2km, M3.4/19, Error ellipse: s-maj=6.7km s-min=3.9km az=109.0

CSEM 29 13:59:05.4:0.1, 44:94N:10:91E, h10km, ML3.3/15, Error ellipse: s-maj=3.3km s-min=2.7km az=119.0

STR 29 13:59:09.1:1.5, 45:16N:8:11E:1:2, h5km, M3.6/6, MLV3.6/6

ISC 29 13:59:04.7:0.9, 44:95N:0:01:10:89E:0:02, h13km, 6km, n178, s112/219, 1C-3D, Northern Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SBPO S.Benedetto Po, SBPO S.Benedetto Po, SBPO S.Benedetto Po, etc.

TREG Tregno 0.61 18 P Pn 13 59 18.5 -0.7

ZOV Zovencedo 0.66 40 P Pn 13 59 18.6 +0.4

TEOL Teolo 0.69 53 ePg S 13 59 18.8 +0.1

TEOL Teolo 0.69 53 ePg S 13 59 18.8 +0.1

TEOL Teolo 0.69 53 ePg S 13 59 18.8 +0.1

TEOL Teolo 0.69 53 ePg S 13 59 18.8 +0.1

TEOL Teolo 0.69 53 ePg S 13 59 18.8 +0.1

TEOL Teolo 0.69 53 ePg S 13 59 18.8 +0.1

TEOL Teolo 0.69 53 ePg S 13 59 18.8 +0.1

TEOL Teolo 0.69 53 ePg S 13 59 18.8 +0.1

TEOL Teolo 0.69 53 ePg S 13 59 18.8 +0.1

TEOL Teolo 0.69 53 ePg S 13 59 18.8 +0.1

TEOL Teolo 0.69 53 ePg S 13 59 18.8 +0.1

TEOL Teolo 0.69 53 ePg S 13 59 18.8 +0.1

NIED 29 13:56:00.38:70N:144:60E, h5km, Mw3.5 Best double couple: M2.02000:1014 NP1:18.00000:833.00000, lambda-82.00000: NP2:189.00000:857.00000, lambda-95.00000:2

ISC 29 13:56:28.1:2.1, 38:58N:144:95E, h0km, mb3.6/3, mb1 3.7/6, mb1mx3.4/67, mbtmp3.7/6, ML3.4/3, Error ellipse: s-maj=42.8km s-min=25.2km az=87.0

TEOL Teolo 0.69 53 ePg S 13 59 18.8 +0.1

TEOL Teolo 0.69 53 ePg S 13 59 18.8 +0.1

TEOL Teolo 0.69 53 ePg S 13 59 18.8 +0.1

TEOL Teolo 0.69 53 ePg S 13 59 18.8 +0.1

TEOL Teolo 0.69 53 ePg S 13 59 18.8 +0.1



SMRF	Simiane la Rot	3.92 258	ePn	Pn	14 00 06.5	+1.8
HINF	Hinterfeld	4.00 317	ePn	Pn	14 00 06.1	+0.3
HINF	Hinterfeld	4.00 317	ePn	Pn	14 00 06.1	+0.3
OPP	Oppenu	4.01 333	P	Pn	14 00 07.6	+1.7
OPP	Oppenu	4.01 333	P	Pn	14 00 07.6	+1.7
ECH	Echery	4.16 323	P	Pn	14 00 08.7	+0.8
ECH	Echery	4.16 323	P	Pn	14 00 08.7	+0.8
WLS	Weischbruch	4.24 326	P	Pn	14 00 10.3	+1.3
WLS	Weischbruch	4.24 326	P	Pn	14 00 10.3	+1.3
CDF	Champ du Feu	4.26 326	ePn	Pn	14 00 10.6	+1.1
CDF	Champ du Feu	4.26 326	ePn	Pn	14 00 10.6	+1.1
HAU	Haudompre	4.38 316	ePn	Pn	14 00 12.3	+1.3
HAU	Haudompre	4.38 316	ePn	Pn	14 00 12.3	+1.3
HAU	Haudompre	4.38 316	ePn	Pn	14 00 12.3	+1.3
HAU	Haudompre	4.38 316	ePn	Pn	14 00 12.3	+1.3
VIVF	Saint-Julien	4.42 271	ePn	Pn	14 01 11.6	+0.1
VIVF	Saint-Julien	4.42 271	ePn	Pn	14 01 11.6	+0.1
VIVF	Saint-Julien	4.42 271	ePn	Pn	14 01 11.6	+0.1
VIVF	Saint-Julien	4.42 271	ePn	Pn	14 01 11.6	+0.1
KHC	Kasperske Hory	4.57 23	ePn	Pn	14 00 14.7	+1.1
KHC	Kasperske Hory	4.57 23	ePn	Pn	14 00 14.7	+1.1
KHC	Kasperske Hory	4.57 23	ePn	Pn	14 00 14.7	+1.1
KHC	Kasperske Hory	4.57 23	ePn	Pn	14 00 14.7	+1.1
LASF	Ste Croix	5.10 263	ePn	Pn	14 00 20.8	-0.1
LASF	Ste Croix	5.10 263	ePn	Pn	14 00 20.8	-0.1
SMF	Signal de Mont	5.21 292	ePn	Pn	14 00 23.5	+1.1
SMF	Signal de Mont	5.21 292	ePn	Pn	14 00 23.5	+1.1
SMF	Signal de Mont	5.21 292	ePn	Pn	14 00 23.5	+1.1
SMF	Signal de Mont	5.21 292	ePn	Pn	14 00 23.5	+1.1
LOR	Lormes	5.41 298	ePn	Pn	14 00 26.4	+1.3
LOR	Lormes	5.41 298	ePn	Pn	14 00 26.4	+1.3
LOR	Lormes	5.41 298	ePn	Pn	14 00 26.4	+1.3
LOR	Lormes	5.41 298	ePn	Pn	14 00 26.4	+1.3
SSF	Saint Saulge	5.56 295	ePn	Pn	14 00 28.1	+0.9
SSF	Saint Saulge	5.56 295	ePn	Pn	14 00 28.1	+0.9
SSF	Saint Saulge	5.56 295	ePn	Pn	14 00 28.1	+0.9
SSF	Saint Saulge	5.56 295	ePn	Pn	14 00 28.1	+0.9
AVF	Avril sur Loir	5.58 292	ePn	Pn	14 01 28.4	+1.0
AVF	Avril sur Loir	5.58 292	ePn	Pn	14 01 28.4	+1.0
AVF	Avril sur Loir	5.58 292	ePn	Pn	14 01 28.4	+1.0
AVF	Avril sur Loir	5.58 292	ePn	Pn	14 01 28.4	+1.0
PRU	Pruhonice	5.62 25	eSg	Pn	14 01 32.3	-0.1
PRU	Pruhonice	5.62 25	eSg	Pn	14 01 32.3	-0.1
PRU	Pruhonice	5.62 25	eSg	Pn	14 01 32.3	-0.1
PRU	Pruhonice	5.62 25	eSg	Pn	14 01 32.3	-0.1
BGF	Bois d'Agland	5.85 289	ePn	Pn	14 01 37.7	-0.4
BGF	Bois d'Agland	5.85 289	ePn	Pn	14 01 37.7	-0.4
BGF	Bois d'Agland	5.85 289	ePn	Pn	14 01 37.7	-0.4
BGF	Bois d'Agland	5.85 289	ePn	Pn	14 01 37.7	-0.4
CAF	Calviac	6.26 273	ePn	Pn	14 00 38.3	+1.4
CAF	Calviac	6.26 273	ePn	Pn	14 00 38.3	+1.4
CAF	Calviac	6.26 273	ePn	Pn	14 00 38.3	+1.4
CAF	Calviac	6.26 273	ePn	Pn	14 00 38.3	+1.4
COLL	Colim	6.52 12	eSg	Pn	14 02 32.0	-1.9
COLL	Colim	6.52 12	eSg	Pn	14 02 32.0	-1.9
COLL	Colim	6.52 12	eSg	Pn	14 02 32.0	-1.9
COLL	Colim	6.52 12	eSg	Pn	14 02 32.0	-1.9

DDA 29 14:12:15.3, 36.971N, 35.566E, h7km, ML2.8  
 ISK 29 14:12:15.8, 37.01N, 35.59E, h24km, ML2.8/4  
 ISCJ/B 29 14:12:16.7, 0.3, 37.00N, 0.03, 35.61E, 0.03, h27km, 3km,  
 Error ellipse: s-maj=1.1km s-min=3.8km az=11.9  
 CSEM 29 14:12:16.5, 0.1, 37.00N, 35.59E, h24km, 1km, ML2.8,  
 Error ellipse: s-maj=3.3km s-min=2.9km az=8.0  
 ISC 29 14:12:16.3, 0.9, 36.99N, 0.03, 35.60E, 0.02, h25km, 5km,  
 n44, r0565/63, Turkey

Code	Station Name	$\Delta^{\circ}$	AZ $^{\circ}$	Phase ID	ISC	Time	Res
						h m s	ISC
CEYT	Ceyhan	0.12	82	PG	Pb	14 12 20.9	-0.2
CEYT	Ceyhan	0.12	82	PG	Sb	14 12 24.4	+0.1
CEYT	Ceyhan	0.12	82	eP	Pb	14 12 20.9	-0.2
CEYT	Ceyhan	0.12	82	eP	Sb	14 12 24.4	+0.1
YURE	YUREGIR	0.17	170	Pb	Pb	14 12 21.5	-0.1
YURE	YUREGIR	0.17	170	eP	Pb	14 12 21.5	-0.1
KRTD	Karatat-Adana	0.42	200	PG	Pn	14 12 25.6	-1.2
KRTD	Karatat-Adana	0.42	200	eP	Pn	14 12 25.6	-1.2
KRTS	Karatat	0.46	203	PG	Pn	14 12 26.5	-0.7
KRTS	Karatat	0.46	203	eP	Pn	14 12 26.5	-0.7
KARA	Karaisali	0.51	302	PG	Pb	14 12 35.9	-0.7
KARA	Karaisali	0.51	302	eP	Pb	14 12 35.9	-0.7
KARA	Karaisali	0.51	302	PG	Pb	14 12 34.3	-1.6
KARA	Karaisali	0.51	302	eP	Pb	14 12 34.3	-1.6
KOZT	Kozan	0.52	21	PG	Pb	14 12 26.7	-0.2
KOZT	Kozan	0.52	21	eP	Pb	14 12 26.7	-0.2
GULE	Gulek	0.72	294	P	Pn	14 12 30.9	+0.9
GULE	Gulek	0.72	294	P	Sn	14 12 30.1	-0.9
GULE	Gulek	0.72	294	P	Sn	14 12 30.1	-0.9
GULE	Gulek	0.72	294	P	Sn	14 12 30.1	-0.9
TAHT	Tahtakopru-Hat	0.78	142	PG	Pn	14 12 31.8	+0.1
TAHT	Tahtakopru-Hat	0.78	142	eP	Pn	14 12 31.8	+0.1
TAHT	Tahtakopru-Hat	0.78	142	eP	Pn	14 12 31.8	+0.1
TAHT	Tahtakopru-Hat	0.78	142	eP	Pn	14 12 31.8	+0.1
ANDN	Andirin	0.84	45	iP	Pn	14 12 43.7	+1.1
ANDN	Andirin	0.84	45	iP	Pn	14 12 43.7	+1.1
ANDN	Andirin	0.84	45	iP	Pn	14 12 43.7	+1.1
ANDN	Andirin	0.84	45	iP	Pn	14 12 43.7	+1.1
MERS	Mersin	0.87	262	PG	Pn	14 12 32.9	-0.1
MERS	Mersin	0.87	262	eP	Pn	14 12 32.9	-0.1
MERS	Mersin	0.87	262	eP	Pn	14 12 32.9	-0.1
MERS	Mersin	0.87	262	eP	Pn	14 12 32.9	-0.1
YAYL	Yayladag	1.04	157	PG	Pn	14 12 34.8	-0.6
YAYL	Yayladag	1.04	157	eP	Pn	14 12 35.6	-0.1
YAYL	Yayladag	1.04	157	eP	Pn	14 12 49.9	+0.7
YAYL	Yayladag	1.04	157	eP	Pn	14 12 34.8	-0.6
YAYL	Yayladag	1.04	157	eP	Pn	14 12 49.9	+0.7
YAHY	KAYSERI Yahyal	1.11	351	iP	Pb	14 12 37.0	+0.1
YAHY	KAYSERI Yahyal	1.11	351	iP	Pb	14 12 37.0	+0.1
KMRS	Kahramanmaraş	1.16	63	PN	Pb	14 12 37.2	-0.5
KMRS	Kahramanmaraş	1.16	63	ePn	Pb	14 12 37.2	-0.5
KUZU	Kuzuini	1.21	100	iP	Pb	14 12 37.9	-0.5
KUZU	Kuzuini	1.21	100	iP	Sb	14 12 53.3	-0.4
KERG	Konya-Eregli	1.25	290	iP	Pb	14 12 39.5	+0.3
KERG	Konya-Eregli	1.25	290	iP	Sb	14 12 55.5	+0.6
KERG	Konya-Eregli	1.25	290	iP	Pb	14 12 39.5	+0.3
KERG	Konya-Eregli	1.25	290	iP	Sb	14 12 55.5	+0.6
KIZK	Mersin	1.27	247	PN	Pb	14 12 39.3	-0.3
KIZK	Mersin	1.27	247	iP	Pb	14 12 38.0	-0.5
KIZK	Mersin	1.27	247	iP	Sb	14 12 56.4	+0.9
KIZK	Mersin	1.27	247	iP	Sb	14 12 38.0	-0.5
KIZK	Mersin	1.27	247	iP	Sb	14 12 56.4	+0.9
GAZ	Gaziantep	1.30	82	PN	Pb	14 12 39.3	-0.9
GAZ	Gaziantep	1.30	82	ePn	Pb	14 12 39.3	-0.9
SARI	Sardiz-Kayseri	1.56	25	PN	Pb	14 12 42.3	-0.3
YESY	Yesilyurt	1.67	299	PN	Pb	14 12 44.2	+0.1
YESY	Yesilyurt	1.67	299	ePn	Pb	14 12 44.2	+0.1
IKL	Isikli	1.71	244	PN	Pn	14 12 44.7	+0.2
IKL	Isikli	1.71	244	ePn	Pn	14 12 44.7	+0.2
GULA	Gulagac	1.73	322	PN	Pn	14 12 45.3	+0.5
GULA	Gulagac	1.73	322	ePn	Pn	14 12 45.3	+0.5
AKKU	Akkuyu-Mersin	1.84	244	PN	Pn	14 12 46.3	0.0
AKKU	Akkuyu-Mersin	1.84	244	ePn	Pn	14 12 46.3	0.0

CSEM 29 14:14:49.9, 44.88N, 11.00E, h8km, ML2.9/24  
 ROM 29 14:14:49.9, 0.1, 44.88N, 0.002, 10.998E, 0.003,  
 h8km, ML2.9/13, 1C-5D, Northern Italy

Code	Station Name	$\Delta^{\circ}$	AZ $^{\circ}$	Phase ID	ISC	Time	Res
						h m s	ISC
T0818	Loc. Fossa, Co	0.06	24	iP	Pg	14 14 51.5	-0.1
T0818	Loc. Fossa, Co	0.06	24	iP	Sg	14 14 54.3	+1.4
T0814	Loc. Cortile	0.09	193	iP	Pg	14 14 52.2	+0.1
T0814	Loc. Cortile	0.09	193	iP	Sg	14 14 55.3	+1.7
T0814	Loc. Cortile	0.09	193	iP	Pg	14 14 52.2	+0.1
T0802	SanFelice sul	0.13	94	iP	Pg	14 14 52.8	+0.1
T0802	SanFelice sul	0.13	94	iP	Sg	14 14 56.5	+1.8
T0802	SanFelice sul	0.13	94	iP	Pg	14 14 52.8	0.0
T0802	SanFelice sul	0.13	94	iP	Sg	14 14 52.8	0.0
T0802	SanFelice sul	0.13	94	iP	Pg	14 14 52.8	0.0
T0802	SanFelice sul	0.13	94	iP	Sg	14 14 52.8	0.0
T0802	SanFelice sul	0.13	94	iP	Pg	14 14 52.8	0.0
T0802	SanFelice sul	0.13	94	iP	Sg	14 14 52.8	0.0
T0802	SanFelice sul	0.13	94	iP	Pg	14 14 52.8	0.0
T0802	SanFelice sul	0.13	94	iP	Sg	14 14 52.8	0.0
T0802	SanFelice sul	0.13	94	iP	Pg	14 14 52.8	0.0
T0802	SanFelice sul	0.13	94	iP	Sg	14 14 52.8	0.0
T0802	SanFelice sul	0.13	94	iP	Pg	14 14 52.8	0.0
T0802	SanFelice sul	0.13	94	iP	Sg	14 14 52.8	0.0
T0802	SanFelice sul	0.13	94	iP	Pg	14 14 52.8	0.0
T0802	SanFelice sul	0.13	94	iP	Sg	14	

Table with columns: BDI, Bagini Di Lucca, 0.84 200, AML, AML. Lists various station codes and measurements.

ISCJB 29 14:24:50.5-0.6, 7.76S, 0.05x128.56E:0.07, h150km, mb3.7/8, Error ellipse: s-maj=10.4km s-min=6.9km az=3.0...
Code Station Name A° AZ° Op Phase ID ISC h m s ISC Time Res

CSEM 29 14:30:16.3, 44.86N, 11.08E, h8km, ML3.0/40
ROM 29 14:30:16.3, 0.0, 44.86N, 0.001, 11.08E, 0.001, h8km, ML3.0/13, 10C-8D, Northern Italy

Table with columns: T0802, comp=E, 15200µm, 1.1s, AML, AML. Lists various station codes and measurements.

Table with columns: ROVR, comp=E, 1182µm, 1.2s, AML, AML. Lists various station codes and measurements.















29d 15h

Table with columns for call sign, name, frequency, power, mode, and other parameters. Includes entries for JFT Otama, JKB Kayabe, NEM2 Nemuro 2, etc.

2012 MAY

Table with columns for call sign, name, frequency, power, mode, and other parameters. Includes entries for TIA comp=Z,4.0nm,0.9s, SEY Seymchan, SEY Seymchan, etc.

1974

Table with columns for call sign, name, frequency, power, mode, and other parameters. Includes entries for BRVK comp=Z,1.0nm,2.5s, INK Inuvik, INK comp=Z,8.3nm,0.7s, etc.













Table with columns: Station ID, Name, Frequency, Power, Direction, and other technical details. Includes stations like MJAR, MAJO, MDJ, etc.

Table with columns: Station ID, Name, Frequency, Power, Direction, and other technical details. Includes stations like MOD, WALA, BMO, etc.

Table with columns: Station ID, Name, Frequency, Power, Direction, and other technical details. Includes stations like SONAO, SONGINO, LAO, etc.

1981

Table with columns: ID, Name, Value, Unit, Status, Date, etc. Includes entries like A33A Warroad, E31A Nome, AGMN Agassiz Nation, etc.

2012 MAY

Table with columns: ID, Name, Value, Unit, Status, Date, etc. Includes entries like I37A Lemond, Waseca, E39A Mellen, etc.

29d 16h

Table with columns: ID, Name, Value, Unit, Status, Date, etc. Includes entries like P40A Paris, L43A Garden Prairie, TX31 Lajitas Ar. Si, etc.



29d 16h

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like SFIN Lafayette, X39A Fountain Ranch, T42A Van Buren, etc.

2012 MAY

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like N54A Moraine State, V48A Smith Brothers, Y46A Houston, etc.

1982

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like GOGA Godfrey, KK31 Karatay Array, KK31 Karatay Array, etc.



29d 18h

0.2nm, 0.5s, baz=101, slow=7.5, SNR=2.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NEIC 29 17:59:24.3, After RSPR, and various station codes like IDE, MPR, AGP, etc.

ISCJB 29 18:15:33.2-0.3, 32.95N-102.115:59W, h7km, 2.6km, Error ellipse: s-maj=3.2km s-min=2.6km az=159.0

NEIC 29 18:15:34.0-0.0, 32.92N-115:58W, h10km, ML2.6(PAS), After PAS

NEIC Felt (III) at Brawley and III at Imperial. ECX 29 18:15:34.7-0.5, 32.92N-115:59W, h7km, MD2.4, ML2.6

ISC 29 18:15:33.5-0.9, 32.92N-115:61W, h7km, 0.02, h14km, 7km, n47, 0.098/70, 5C-3D, California-Baja California border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like COK, SWSC, SWSC, SWSC, etc.

2012 MAY

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZAX, ECXN, 113A, PDMCI, etc.

ATH 29 18:16:38.5, 35.34N-28:01'E, h9km, 3km, ML2.4/2, Error ellipse: s-maj=6.2km s-min=1.5km az=316.0

ISCJB 29 18:16:40.8, 1.3, 35.48N-107:27.91E, h10km, 9km, Error ellipse: s-maj=12.6km s-min=6.1km az=153.2

CSEM 29 18:16:41.0, 0.5, 35.48N-107:27.91E, h10km, ML3.1, Error ellipse: s-maj=11.6km s-min=4.6km az=149.0

ISC 29 18:16:41.2, 1.5, 35.50N-107:27.91E, h11km, 10km, n32, 0.077/42, Dodecanese Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KARP, KARP, KARP, etc.

ISC 29 18:17:31.1, 1.0, 0.26N-92:21'E, h0km, mb3.8/10, mb1.4/0.12, mb1mx3.771, mbtmp3.8/12, ML3.5/2, Error ellipse: s-maj=39.3km s-min=1.8km az=49.0

NEIC 29 18:17:33.3, 3.5, 0.26N-92:23'E, h14km, 21km, mb4.8/6, Error ellipse: s-maj=12.0km s-min=6.2km az=216.0

ISCJB 29 18:17:34.4, 0.6, 0.36N-109:32.29E, h0.07, h33km, mb4.2/15, Error ellipse: s-maj=13.4km s-min=8.0km az=28.2

ISC 29 18:17:36.8, 0.9, 0.4N-101:37E, h35km, n34, 0.142/37, mb4.0/15, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GSI, LHMI, PSI, KULL, PALK, etc.

1984

IDC 29 18:22:50.9, 5.5, 1.45N, 126:97E, h128km, 62km, mb3.2/4, mb1 3.3/6, mb1mx3.1/57, mbtmp3.6/6, Error ellipse: s-maj=78.2km s-min=19.1km az=77.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SIJI, FITZY, WRA, ASAR, MKAR, KURBB, etc.

ATH 29 18:26:23.8, 41:48N-20:14E, h11km, 2km, ML2.1/3, Error ellipse: s-maj=6.1km s-min=1.8km az=181.0

TIR 29 18:26:24.4, 41:32N-20:15E, h6km, ML2.6/4, Albania

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TIR, TIR, TIR, TIR, etc.

MOS 29 18:27:59.2, 0.9, 44:95N-10:92E, h10km, mb4.4/17, Error ellipse: s-maj=4.2km s-min=3.4km az=73.8

IDC 29 18:27:59.3, 0.6, 44:88N-10:85E, h0km, mb4.0/16, mb1 4.0/23, mb1mx3.9/23, mbtmp3.9/23, ML3.7/7, MS3.2/17, Ms1 3.2/17, ms1mx2.8/74, Error ellipse: s-maj=14.1km s-min=9.7km az=122.0

LDG 29 18:28:00.6, 0.1, 44:92N-11:09E, h2km, M4.0/29, Error ellipse: s-maj=1.8km s-min=1.3km az=32.0

CSEM 29 18:28:01.2, 0.1, 44:93N-10:93E, h10km, mb4.4/30, ML4.2/30, Mv3.8, Error ellipse: s-maj=2.1km s-min=1.7km az=17.0

PDG 29 18:28:01.9, 0.9, 44:95N-10:96E, h23km, 1km, ML4.2/13, Error ellipse: s-maj=0.6km s-min=0.9km az=0.0

ROM 29 18:28:01.5, 0.0, 44:89N-10:00E, h10:926E:0.001, h5km, ML3.9/79

PRU 29 18:28:01.6, 44:95N-10:78E, h13km, M4.4

NEIC Felt at Alexandria, Crocetta del Montello, Genoa, Livorno and Vaeggio sul Mincio.

ISC 29 18:28:01.4, 0.6, 44:94N-10:01E, h12km, 3km, n689, 0.129/788, mb4.3/40, MS3.3/10, 51C-54D, Northern Italy

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NDIM, T0818, T0814, etc.



29d 18h

Table with columns for station name, frequency, power, and other technical details. Includes stations like MERA, ASQU, VARN, etc.

2012 MAY

Table with columns for station name, frequency, power, and other technical details. Includes stations like PIEI, FSSB, ATRC, etc.

1986

Table with columns for station name, frequency, power, and other technical details. Includes stations like MGAB, SACS, SNTG, etc.





29d 18h

Table with columns for station name, frequency, and other technical details. Includes stations like BUM Brajci-Budva, MTLF Montolieu, and various other frequencies.

2012 MAY

Table with columns for station name, frequency, and other technical details. Includes stations like ETSF Etsaut, TRPA Tarpa, and various other frequencies.

1988

Table with columns for station name, frequency, and other technical details. Includes stations like PRGR Permogore, JMJC Jan Mayen, and various other frequencies.





1991

Table with columns for station name, coordinates, magnitude, and other parameters. Includes stations like MABI, CRMI, MSSA, CTI, ASQU, OZOL, KOSI, BRMO, PCP, ABSI, ROSI, FETA, ABTA, ARCI, SABO, RISI, WTTA.

2012 MAY

Table with columns for station name, coordinates, magnitude, and other parameters. Includes stations like MOTa, WATA, KHC, ISC/JB, ROM, CSEM, PRU, IASPEI, ISC, T0812, T0818, T0802, T0800, T0805, T0808, T0811, T0814, T0822, T0824, T0803, T0809, T0828, T0829, T0830, T0831, T0832, T0833, T0834, T0835, T0836, T0837, T0838, T0839, T0840, T0841, T0842, T0843, T0844, T0845, T0846, T0847, T0848, T0849, T0850.

29d 18h

Table with columns for station name, coordinates, magnitude, and other parameters. Includes stations like NOVE, MODa, FIU, CMPO, MTRZ, ADRI, IMOL, MAGA, POPM, BDI.

29d 18h

Table with columns for station name, coordinates, elevation, and various parameters. Includes stations like DOSS, CT8L, CGRP, MAIM, RNI, MTLO, CRMI, SFI, PLMA, MSA, POLC, AGOR, PARC, and CARE.

2012 MAY

Table with columns for station name, coordinates, elevation, and various parameters. Includes stations like APPI, CAFI, MOSI, ATPI, MPAG, ATVO, ATVA, ABTA, FETA, CASP, SACS, CELB, WTTA, MOMA, MOTA, WATA, MYKA, KHC, MODS, PRU, GOPC, PRA, PVCC, and BRG.

1992

Table with columns for station name, coordinates, elevation, and various parameters. Includes stations like VYHS, DPC, CLL, SBPO, T0800, RAVA, T0811, T0812, T0822, T0803, T0823, T0824, T0817, T0805, FETA, WTTA, MYKA, KBA, SBF, MBDF, and LMR.







1995

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes entries like BBOO Buckleboe, AS01 Alice Springs, and others.

CSEM 29.20:13:49.6, 44.86N, 11.17E, h8km, ML2.1/30
ROM 29.20:13:49.6, 0.0, 44.855N, 0.001, 11.167E, 0.001, h8km, ML2.1/17, 6C-6D, Northern Italy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes entries like T0802 SanFelice sul, T0803 Massa Finalese, and others.

2012 MAY

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes entries like NOVE Novellara, NOVE Novellara, and others.

CSEM 29.20:14:38.5, 0.0, 44.90N, 10.93E, h4km, ML 1.8/2
ROM 29.20:14:38.5, 0.0, 44.895N, 0.002, 10.929E, 0.003, h4km, ML 1.8/1, 2D, Northern Italy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes entries like NDIM Novi di Modena, T0818 Loc. Fossa, Co, and others.

29d 21h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes entries like T0802 SanFelice sul, T0803 Massa Finalese, and others.

IDC 29.20:16:25.7, 3.0, 14.00N, 120.69E, h118km, 23km, mb3.0/4, mb1.3/1.4, mb1mx2.8/6.5, mbtm3.4/4, MS3.0/1, Ms1.3.0/1, ms1mx3.2/1.5, Error ellipse: s-maj=90.7km, s-min=47.0km az=144.0, Mindoro

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes entries like TGY Tagaytay City, TGY Tagaytay City, and others.

ISCJB 29.20:39:38.9, 0.6, 17.8S, 0.1, 178.7W, 0.1, h579km, mb3.8/1.5, Error ellipse: s-maj=17.7km s-min=12.7km az=141.9

IDC 29.20:39:42.3, 2.2, 17.86S, 178.71W, h605km, 25km, mb3.3/1.5, mb1.3/4/1.5, mb1mx3.2/4.5, mbtm4.2/1.5, Error ellipse: s-maj=19.3km s-min=13.1km az=150.0

ISC 29.20:39:39.6, 0.6, 17.8S, 0.1, 178.7W, 0.1, h579km, n44, a091/47, mb3.8/1.5, 9C-6D, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes entries like URZ Urewera, CTA Charters Tower, STKA Stephens Creek, and others.

PRU 29.21:16:25.7, 4.4, 96N, 10.77E, h6km, NDIM 29.21:16:25.6, 0.0, 44.901N, 0.001, 10.923E, 0.001, h4km, ML3.0/57

STR 29.21:16:25.8, 1.6, 45.5N, 5.1E, 1.5, h5km, M3.5/7, ML3.5/7

ISCJB 29.21:16:25.4, 0.2, 44.98N, 0.01, 10.84E, 0.02, h9km, 2km, Error ellipse: s-maj=2.5km s-min=2.0km az=21.5

LDG 29.21:16:25.5, 0.1, 44.88N, 11.11E, h2km, M13.1/20, Error ellipse: s-maj=3.5km s-min=2.0km az=169.0

CSEM 29.21:16:26.2, 0.1, 44.93N, 10.90E, h5km, ML3.0/14, Error ellipse: s-maj=2.6km s-min=2.5km az=138.0

ISC 29.21:16:26.0, 0.7, 44.94N, 0.01, 10.91E, 0.02, h11km, 3km, n253, a1917/296, 17C-16D, Northern Italy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes entries like NDIM Novi di Modena, T0818 Loc. Fossa, Co, and others.

















2003

Table with columns: Code, Station Name, Az, El, P, Res, and various numerical values. Includes stations like DAC Darwin (Calif), L38A Oak Wood Farm, L40A Anomosa, etc.

ICD 29:22:45:53.0, 8.43:33N, 46:15E, h0km, mb3.3/5, m1 3.3/11, mb1mx3.2/66, mbtmp3.3/11, ML3.1/5, MS2.8/1, Ms1 2.8/1, ms1mx1.8/36, Error ellipse: s-maj=12.3km s-min=2.4km az=161.0

Table with columns: Code, Station Name, Az, El, P, Res, and various numerical values. Includes stations like GROG Groznyy, DVE Vedeno, DLMR Dylm, etc.

2012 MAY

Table with columns: Code, Station Name, Az, El, P, Res, and various numerical values. Includes stations like BTLR Karanay, KRNK Karanay, UNCR Uncukul, etc.

29d 22h

Table with columns: Code, Station Name, Az, El, P, Res, and various numerical values. Includes stations like KSMR Kasumkent, SEKA Sheki, QAZX Qazax, Azerbaijan, etc.

29d 23h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MMRI, EDPI, WBSI, MTN, FITZ, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BUTP, SCPH, BIPH, etc.

CSEM 29 22:58:57.1, 44.87N, 11.08E, h10km, ML2.1/6
ROM 29 22:58:57.1, 44.868N, 0.002, -11.077E, 0.004, h10km, 1km, ML2.1/2, 3D, Northern Italy

2012 MAY

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like T0818, T0802, T0802, etc.

CSEM 29 22:59:54.5, 44.90N, 10.94E, h3km, ML 1.9/3
ROM 29 22:59:54.5, 44.90N, 10.94E, h3km, ML 1.9/3, 2C-2D, Northern Italy

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like NDIM, T0818, T0818, etc.

CSEM 29 23:00:43.4, 44.88N, 10.96E, h7km, ML2.2/8
ROM 29 23:00:43.4, 44.879N, 0.003, 10.959E, 0.003, h7km, 1km, ML2.2/1, 1C-2D, Northern Italy

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like NDIM, T0818, T0818, etc.

ROM 29 23:07:16.0, 0.0, 44.893N, 0.001, 10.948E, 0.003, h6km, ML2.8/1
ISCJB 29 23:07:16.0, 0.0, 44.94N, 0.02, 10.93E, 0.04, h7km, 4km, Error ellipse: s-maj=4.4km s-min=3.8km az=164.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like T0813, T0813, T0813, etc.

2004

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like NDIM, T0818, T0818, etc.

IDC 29 23:10:57.2, 1.9, 2.23N, 127.05E, h0km, mb3.5/4, mb1.3/7.4, mb1mx3.7/6.2, mbmtmp3.5/4, Error ellipse: s-maj=201.4km s-min=23.3km az=65.0, Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like WRA, STKA, MKAR, etc.

IDC 29 23:10:12.2, 3.13, 68S, 167.36E, h0km, mb3.7/4, mb1.4/0.4, mb1mx3.6/5.4, mbmtmp3.7/4, MS3.1/1, Ms1.3/1.1, ms1mx2.4/4.8, Error ellipse: s-maj=130.2km s-min=29.6km az=138.0, Vanuatu Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like STKA, WRA, ASAR, etc.

CSEM 29 23:13:17.9, 44.86N, 11.24E, h6km, ML2.0/8
ROM 29 23:13:17.9, 0.0, 44.860N, 0.001, 11.236E, 0.001, h6km, ML2.0/1, 4C-3D, Northern Italy

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like T0800, T0800, T0800, etc.









30d Oh

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like VVDT, DPDB, YULB, NSY, TWF1, SSSL, SMLT, TYC, JIRB, FULB, JIKM, CHKT, JMW, WJS, WNT, JOGS, ALS, ELDTW, ELDTW, TWH, STYT, STYT, TPUB, TPUB, TWGBT, TWGBT, TWG, TWG, WTP, WTP, TWK, TWK, CHN1, CHN1, SGST, ECL, ECL, LAY, LAY, MASBT, MASBT, TAW, TAW, EAST, EAST, MATB, MATB, SCZT, SCZT, VVUC, VVUC, PNG, PNG, PHUB, PHUB, WDG, WDG, TSEB, TSEB, TWKBT, TWKBT, TWK1, TWK1, KNMB, KNMB.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like TARG, PRZ, SHLS, SHLS, UZB, UZB.

2012 MAY

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like SATY, KDJ, ZHN, ZHN, PDGK, PDGK, KPKS, KPKS, KURS, KURS, TNSS, TNSS, MDOK, MDOK, MDOK, MDOK, MDOK, MDOK, KOTS, KOTS, ULHL, ULHL, ULHL, ULHL, KNDK, KNDK, KNDK, KNDK, NRN, NRN, NRN, NRN, IZV, IZV, MNBS, MNBS, MTBS, MTBS, BOOM, BOOM, DJR, DJR, DJR, DJR, CHKK, CHKK, CHKK, CHKK, ARXS, ARXS, ARXS, ARXS, KST, KST, KST, KST, TKM2, TKM2, TKM2, TKM2, BMNS, BMNS, BMNS, BMNS, DGS, DGS, KUU, KUU, KUU, KUU, KBK, KBK, KBK, KBK, UCH, UCH, UCH, UCH, AAK, AAK, AAK, AAK, KAPS, KAPS, KAPS, KAPS, MAKZ, MAKZ, MAKZ, MAKZ, MK31, MK31, MK31, MK31, MK31, MK31, MK31, MK31, KKK3, KKK3, KKK3, KKK3, KURB, KURB, KURB, KURB, KURK, KURK, KURK, KURK.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like VANB, VANB, VANB, VANB, TVAN, TVAN, TVAN, TVAN, ADCV, ADCV, ADCV, ADCV, GEVA, GEVA, GEVA, GEVA, ERVC, ERVC, ERVC, ERVC.

2008

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like VMUR, VMUR, VMUR, VMUR, GURO, GURO, GURO, GURO, AGRB, AGRB, AGRB, AGRB, SRMT, SRMT, SRMT, SRMT, HAKT, HAKT, HAKT, HAKT, SIRT, SIRT, SIRT, SIRT, SIRS, SIRS, SIRS, SIRS, VRTB, VRTB, VRTB, VRTB, YOVA, YOVA, YOVA, YOVA.

ISCJB 30 00:57:49.6i.0.2,5:31N:0:02:73:74W:0:03,h161km,2km, mb4.1/45, Error ellipse: s-maj=4.5km s-min=3.9km az=7.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like CHIC, CHIC, CHIC, CHIC, ROSC, ROSC, ROSC, ROSC, ROSC, ROSC, ROSC, ROSC, RUSC, RUSC, RUSC, RUSC, RUSC, RUSC, RUSC, RUSC, VILC, VILC, VILC, VILC, NORC, NORC, NORC, NORC, BARC, BARC, BARC, BARC, PTBC, PTBC, PTBC, PTBC, RREF, RREF, RREF, RREF, GUYC, GUYC, GUYC, GUYC, ANIL, ANIL, ANIL, ANIL, PRAC, PRAC, PRAC, PRAC, PRAC, PRAC, PRAC, PRAC, HELC, HELC, HELC, HELC, HELC, HELC, HELC, HELC, PAMC, PAMC, PAMC, PAMC, YOTC, YOTC, YOTC, YOTC, OCAC, OCAC, OCAC, OCAC, MARP, MARP, MARP, MARP, HORQ, HORQ, HORQ, HORQ, SDV, SDV, SDV, SDV, SDV, SDV, SDV, SDV, OTAV, OTAV, OTAV, OTAV, BCIP, BCIP, BCIP, BCIP, INTJ, INTJ, INTJ, INTJ, PTGA, PTGA, PTGA, PTGA, SAML, SAML, SAML, SAML, SAML, SAML, SAML, SAML, LPAZ, LPAZ, LPAZ, LPAZ, LPAZ, LPAZ, LPAZ, LPAZ, SIV, SIV, SIV, SIV, LCO, LCO, LCO, LCO, WHAR, WHAR, WHAR, WHAR, V40A, V40A, V40A, V40A, FVM, FVM, FVM, FVM, CCM, CCM, CCM, CCM, TUL1, TUL1, TUL1, TUL1, TXAR, TXAR, TXAR, TXAR, TXAR, TXAR, TXAR, TXAR, AMTX, AMTX, AMTX, AMTX, MNTX, MNTX, MNTX, MNTX, TRQ, TRQ, TRQ, TRQ, T25A, T25A, T25A, T25A, SDCO, SDCO, SDCO, SDCO, PLCA, PLCA, PLCA, PLCA, Y14A, Y14A, Y14A, Y14A.

2009

Table of seismic events for 2009, including station names, magnitudes, and times. Examples include RSDS Black Hills (46.96 330 eP) and ULM Lac du Bonnet (48.54 341 P).

CSEM 30 00:58:36.6, 0.1, 44.84N, 11.16E, h16km, ML2.3/8 ROM 30 00:58:36.6, 0.1, 44.84N, 0.002, -1.158E, 0.005, h16km, ML2.3/4, 2C-12D, Northern Italy

Table of seismic events for 2009, continuing from the previous table. Examples include T0802 San Felice sul (0.04 28 eP) and T0811 Palata Popoli (0.08 141 eP).

2012 MAY

Table of seismic events for 2012 May, including station names, magnitudes, and times. Examples include NDIM comp=N,17385um,0.3s (0.16 057.7 +0.1) and SERM Sermidie (0.19 30 eP).

ROM 30 00:59:18.5, 0.2, 44.885N, 0.004, 10.890E, 0.008, h4km, ML2.2/7 ISCJB 30 00:59:19.7, 0.4, 44.90N, 0.02, 10.87E, 0.04, h8km, 3km, Error ellipse: s-maj=4.5km s-min=2.9km az=0.7 CSEM 30 00:59:19.1, 0.2, 44.89N, 10.85E, h10km, ML2.2, Error ellipse: s-maj=6.2km s-min=3.3km az=87.0 ISC 30 00:59:19.5, 0.9, 44.92N, 0.02, 10.87E, 0.03, h8km, 6km, n60, c096/75, 2C, Northern Italy

Table of seismic events for 2012 May, continuing from the previous table. Examples include T0818 Loc. Fossa, Co (0.12 83 eP) and T0824 Loc. Limidi di (0.17 165 eP).

30d 1h

Table of seismic events for 30 days and 1 hour, including station names, magnitudes, and times. Examples include BDI Bagni Di Lucca (0.88 193 eP) and BDI Popiglio (0.88 185 eP).

IDC 30 01:00:34.8, 2.0, 1.44N, 127.03E, h130km, 202km, mb3.6/7, mbl 3.7/8, mbl mx3.3/52, mbtmp4.0/8, MS2.4/1, Ms=2.4/1, ms1mx2.0/52, Error ellipse: s-maj=112.4km s-min=29.1km az=55.0, Halatnera

Table of seismic events for 30 days and 1 hour, continuing from the previous table. Examples include DAV Davao City (W) (5.77 346 LR) and FITZ Fitzroy Crossi (19.47 184 P).

MEX 30 01:12:36.0, 0.5, 17.85N, 97.55W, h59km, 4km, MD3.7, Oaxaca

Table of seismic events for 30 days and 1 hour, continuing from the previous table. Examples include TPIG Tehuacan (0.59 17 iP) and TLIG Tlapa (1.01 254 eP).

IASPEI 30 01:20:35.9, 0.8, 44.95N, 0.02, 10.95E, 0.02, h11km, 5km, Error ellipse: s-maj=3.4km s-min=2.7km az=105.8, GTS selection from ISC bulletin GTS identified by Bond'ir and McLaughlin (2005) selection criteria Bond'ir and McLaughlin, A new ground truth data set for seismic studies, <i>Seism. Res. Let.</i>, <b>80</b>, 465-472, 2009

Table of seismic events for 30 days and 1 hour, continuing from the previous table. Examples include ISCJB 30 01:20:35.0, 0.2, 44.99N, 0.01, 10.92E, 0.02, h12km, 2km, Error ellipse: s-maj=2.9km s-min=2.2km az=22.1 ROM 30 01:20:35.1, 0.4, 44.894N, 0.001, 10.962E, 0.001, h4km, ML2.9/22 CSEM 30 01:20:35.7, 0.1, 44.95N, 10.98E, h10km, ML2.9/22, Error ellipse: s-maj=2.8km s-min=2.5km az=120.0 STR 30 01:20:36.9, 4.2, 45.1N, 12.1E, 3.8, h5km, M3.47, mb3.8, ML3.3/7 LDG 30 01:20:36.0, 0.1, 44.93N, 11.09E, h2km, M2.9/17, Error ellipse: s-maj=3.1km s-min=2.3km az=57.0 PRU 30 01:20:38.4, 44.93N, 11.15E, h19km ISC 30 01:20:35.6, 0.8, 44.95N, 0.02, 10.96E, 0.02, h11km, 4km, n187, c098/242, 10C-7D, Northern Italy









2013

Table with columns for station name, coordinates, magnitude, and other parameters. Includes stations like MTRZ, CMPO, TEOL, ADRI, etc.

2012 MAY

Table with columns for station name, coordinates, magnitude, and other parameters. Includes stations like PLMA, MABI, MSA, etc.

30d 2h

Table with columns for station name, coordinates, magnitude, and other parameters. Includes stations like FRF, LRG, LPL, etc.

IASPEI 30 02:04:00.3±0.8, 44°50'N, 0°02:6:77E±0:02, h13km, 5km, Error ellipse: s-maj=2.9km s-min=2.4km az=71.3, 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, <Seism. Res. Let.>, <b>80</b>, 465-472, 2009

GEN 30 02:04:00.4, 44°47'N, 6°68'E, h7km, ML1.6 CSEJ 30 02:04:00.5, 0.1, 44°50'N, 6°73'E, h12km, ML2.4/11, Error ellipse: s-maj=1.7km s-min=1.5km az=73.0

ISCBJ 30 02:04:00.2, 0.3, 44°49'N, 0°02:6:71E±0:02, h12km, 3km, Error ellipse: s-maj=3.0km s-min=2.6km az=162.8 LDG 30 02:04:01.0±0.1, 44°49'N, 6°73'E, h2km, Md2.4/4, Ml2.6/8, Error ellipse: s-maj=1.6km s-min=1.2km az=62.0

ROM 30 02:04:01.3±0.3, 44°54'N, 0°02:6:78E±0:03, h10km, ML1.8/3 STR 30 02:04:01.1±0.1, 44°N, 2°E, h5km, M2.0/6, ML2.0/6

ISC 30 02:04:00.7±0.8, 44°50'N, 0°02:6:76E±0:02, h17km, 5km, n50, c971/83, 2D, France

Table with columns for station name, coordinates, magnitude, and other parameters. Includes stations like SURF, CGAC, MBDF, etc.

IDC 30 02:11:56.6±4.3, 19°26'S, 172°54'W, h0km, mb3.9/4, mb1 4.2/4, mb1mx3.7/47, mbtmp3.9/4, Error ellipse: s-maj=273.7km s-min=32.4km az=153.0, Tonga Islands region

Table with columns for Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like CTA, ASAR, WRA, NVAR.

NEIC 30 02:16:59.4±0.0, 38°45'S, 175°82'E, h181km, ML4.0(WEL), After WEL

WEL 30 02:16:55.9±0.0, 39°S, 2°17'6E, h217km, 5km, North Island

Table with columns for Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like TLZ, RAITZ, KRVZ, etc.

30d 2h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists various stations like RAGZ Rawiri, MWZ Matawai, etc.

CSEM 30 02:23:39.0, 44.86N, 10.94E, h6km, ML2.1/0.1
ROM 30 02:23:39.0, 0.0, 44.856N, 0.003, 10.940E, 0.001

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like NDIM Novi di Modena, T0814 Loc. Cortile, etc.

2012 MAY

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like T0800 Massa Finalese, T0800 comp=N,4465um,0.2s, etc.

ROM 30 02:24:20.5, 0.0, 44.881N, 0.001, 10.978E, 0.003, h5km, ML2.3/7

CSEM 30 02:24:21.6, 0.2, 44.87N, 10.98E, h5km, ML2.3, Error
ellipse: s-maj=5.3km s-min=3.5km az=84.0

ISC JB 30 02:24:22.1, 0.4, 44.88N, 0.02, 10.95E, 0.03, h5km, km, Error ellipse: s-maj=3.6km s-min=3.2km az=142.8

ISC JB 30 02:24:21.5, 0.8, 44.87N, 0.02, 10.98E, 0.02, h11km, 4km, n60, c096/84, 1C-6D, Northern Italy

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like NDIM Novi di Modena, NDIM comp=N,1480um,0.3s, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like T0818 Loc. Fossa, Co, T0814 Loc. Cortile, etc.

CSEM 30 02:25:01.9, 0.1, 47.17N, 9.53E, h2km, ML1.2, Error
ellipse: s-maj=3.4km s-min=2.6km az=153.0

VIE 30 02:25:01.1, 0.6, 47.19N, 9.46E, h1.2km, 4km, m1.7/2, Error ellipse: s-maj=3.0km s-min=1.4km az=108.0 9 km

ZUR 30 02:25:01.7, 47.19N, 9.51E, h1km, 1km, ML1.2/5, 8C-2D, Germany

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like SBUA2 Buchs, Altendo, SBUB Buchserberg Ma, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like T0813 Massa Finalese, T0812 Loc. Stoppiaro, T0812 Loc. Limidi di, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like T0800 Massa Finalese, T0800 comp=E,5030um,0.3s, T0800 comp=N,565um,0.2s, etc.

ISK 30 02:30:43.7, 38.91N, 30.23E, h5km, ML2.5/5
CSEM 30 02:30:44.5, 0.2, 38.92N, 30.19E, h2km, ML2.5

DDA 30 02:30:44.6, 38.93N, 30.16E, h7km, ML2.4
ISC 30 02:30:44.3, 1.1, 38.93N, 0.02, 30.16E, 0.02, h2km, 10km, n44, c079/72, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like T0811 Palata Pepoli, T0800 comp=N,4465um,0.2s, T0811 Palata Pepoli, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like ROVR Rovera Verone, ROVR Rovera Verone, etc.

CSEM 30 02:30:43.7, 38.91N, 30.23E, h5km, ML2.5/5
CSEM 30 02:30:44.5, 0.2, 38.92N, 30.19E, h2km, ML2.5

DDA 30 02:30:44.6, 38.93N, 30.16E, h7km, ML2.4
ISC 30 02:30:44.3, 1.1, 38.93N, 0.02, 30.16E, 0.02, h2km, 10km, n44, c079/72, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like MARN Marana (Italy), MARN Marana (Italy), etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like BALD Monte Baldo, BALD Monte Baldo, etc.

CSEM 30 02:25:01.9, 0.1, 47.17N, 9.53E, h2km, ML1.2, Error
ellipse: s-maj=3.4km s-min=2.6km az=153.0

VIE 30 02:25:01.1, 0.6, 47.19N, 9.46E, h1.2km, 4km, m1.7/2, Error ellipse: s-maj=3.0km s-min=1.4km az=108.0 9 km

ZUR 30 02:25:01.7, 47.19N, 9.51E, h1km, 1km, ML1.2/5, 8C-2D, Germany

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like SBUA2 Buchs, Altendo, SBUB Buchserberg Ma, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like T0813 Massa Finalese, T0812 Loc. Stoppiaro, T0812 Loc. Limidi di, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like T0800 Massa Finalese, T0800 comp=E,5030um,0.3s, T0800 comp=N,565um,0.2s, etc.

ISK 30 02:30:43.7, 38.91N, 30.23E, h5km, ML2.5/5
CSEM 30 02:30:44.5, 0.2, 38.92N, 30.19E, h2km, ML2.5

DDA 30 02:30:44.6, 38.93N, 30.16E, h7km, ML2.4
ISC 30 02:30:44.3, 1.1, 38.93N, 0.02, 30.16E, 0.02, h2km, 10km, n44, c079/72, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like KUTH Kutahya, KUTH Kutahya, etc.









30d 2h

2012 MAY

2018

MTRZ	Montezenzio	0.60 150	eP	Pn	02 46 51.9	-0.1
CMPO	Campotto Po	0.62 120	AML	AML		
CMPO	comp=N,6785µm,0.9s		AML	AML		
CMPO	comp=E,5950µm,1.0s		AML	AML		
CMPO	comp=N,6785µm,0.9s		AML	AML		
CMPO	comp=E,5950µm,1.0s		AML	AML		
CMPO	comp=N,6785µm,0.9s		AML	AML		
TEOL	Teolo	0.64 43	ePg	Pg	02 46 49.9	-0.4
TEOL	comp=N,2475µm,1.1s		AML	AML	02 47 01.9	-0.6
TEOL	Teolo	0.64 43	ePg	Pg	02 46 49.8	-0.4
TEOL	comp=N,2475µm,1.1s		AML	AML	02 47 01.9	-0.6
IMOL	Imola, Italy	0.73 137	AML	AML		
IMOL	comp=E,2475µm,1.1s		AML	AML		
IMOL	comp=N,4995µm,0.5s		AML	AML		
IMOL	comp=E,2475µm,1.1s		AML	AML		
IMOL	comp=N,4995µm,0.5s		AML	AML		
MARN	Marana (Italy)	0.75 9	ePg	Pg	02 46 52.3	0.0
MARN	comp=N,4995µm,0.5s		AML	AML	02 47 05.6	+0.3
MARN	Marana (Italy)	0.75 9	ePg	Pg	02 46 52.3	0.0
MARN	comp=N,4995µm,0.5s		AML	AML	02 47 05.6	+0.3
SALO	Salr	0.81 333	AML	AML		
SALO	comp=N,5465µm,0.7s		AML	AML		
SALO	comp=E,3520µm,0.4s		AML	AML		
SALO	comp=N,4035µm,0.3s		AML	AML		
SALO	comp=E,3520µm,0.4s		AML	AML		
SALO	comp=N,5470µm,0.7s		AML	AML		
SALO	comp=E,3520µm,0.4s		AML	AML		
SALO	comp=N,5465µm,0.7s		AML	AML		
POPM	Popiglio	0.88 194	AML	AML		
POPM	comp=N,3425µm,0.6s		AML	AML		
POPM	comp=E,1105µm,0.6s		AML	AML		
POPM	comp=N,3425µm,0.6s		AML	AML		
POPM	comp=E,1105µm,0.6s		AML	AML		
POPM	comp=N,3425µm,0.6s		AML	AML		
BDI	Bagni Di Lucca	0.90 201	AML	AML		
BDI	comp=E,1105µm,0.6s		AML	AML		
BDI	comp=N,1340µm,1.1s		AML	AML		
BDI	comp=E,2425µm,0.8s		AML	AML		
BDI	comp=N,1655µm,1.0s		AML	AML		
BDI	comp=E,2425µm,0.8s		AML	AML		
BDI	comp=N,1345µm,1.1s		AML	AML		
BDI	comp=E,2345µm,0.9s		AML	AML		
BDI	comp=N,1655µm,1.0s		AML	AML		
BDI	comp=E,2345µm,0.9s		AML	AML		
BDI	comp=N,1655µm,1.0s		AML	AML		
BDI	comp=E,2425µm,0.8s		AML	AML		
BDI	comp=N,1345µm,1.1s		AML	AML		
BDI	comp=E,2345µm,0.9s		AML	AML		
BDI	comp=N,1655µm,1.0s		AML	AML		
BDI	comp=E,2425µm,0.8s		AML	AML		
BDI	comp=N,1345µm,1.1s		AML	AML		
MAGA	Magasa	0.93 341	AML	AML		
MAGA	comp=E,1160µm,0.5s		AML	AML		
MAGA	comp=E,9460µm,1.4s		AML	AML		
MAGA	comp=N,7655µm,0.4s		AML	AML		
MAGA	comp=E,1160µm,0.5s		AML	AML		
MAGA	comp=N,8330µm,0.4s		AML	AML		
MAGA	comp=N,8330µm,0.4s		AML	AML		
MAGA	comp=E,1160µm,0.5s		AML	AML		
MAGA	comp=N,8330µm,0.4s		AML	AML		
DOSS	Dosso del Somm	0.99 6	ePg	Pb	02 46 56.5	-0.3
DOSS	comp=N,1815µm,0.6s		AML	AML	02 46 56.5	-0.3
MAIM	Mastiano	1.06 202	AML	AML		
MAIM	comp=N,1815µm,0.6s		AML	AML		
MAIM	comp=E,1220µm,0.8s		AML	AML		
MAIM	comp=N,1815µm,0.6s		AML	AML		
MAIM	comp=E,1220µm,0.8s		AML	AML		
MAIM	comp=N,1815µm,0.6s		AML	AML		
MAIM	comp=E,1220µm,0.8s		AML	AML		
CRMI	Carmignano	1.11 183	AML	AML		
CRMI	comp=N,278µm,0.9s		AML	AML		
CRMI	comp=E,322µm,1.1s		AML	AML		
CRMI	comp=N,278µm,0.9s		AML	AML		
CRMI	comp=E,322µm,1.1s		AML	AML		
CRMI	comp=N,278µm,0.9s		AML	AML		
CRMI	comp=E,322µm,1.1s		AML	AML		
CGRP	Cima Grappa	1.11 28	ePg	Pb	02 46 58.6	-0.4
CGRP	comp=N,834µm,0.7s		AML	AML	02 47 15.9	+1.0
CGRP	Cima Grappa	1.11 28	ePg	Pb	02 46 58.6	-0.4
CGRP	comp=N,834µm,0.7s		AML	AML	02 47 15.6	+1.0
CGRP	Cima Grappa	1.11 28	ePg	Pb	02 46 58.4	-0.6
RNI	Roncone	1.12 345	ePg	Pb	02 46 57.8	-1.4
RNI	comp=N,834µm,0.7s		AML	AML	02 46 57.8	-1.4
SFI	Santa Sofia	1.15 150	AML	AML		
SFI	comp=N,834µm,0.7s		AML	AML		
SFI	comp=E,608µm,1.5s		AML	AML		
SFI	comp=N,834µm,0.7s		AML	AML		
SFI	comp=E,608µm,1.5s		AML	AML		
SFI	comp=N,834µm,0.7s		AML	AML		
PANI	Panarotta	1.17 10	ePg	Pb	02 46 58.5	-1.4
PANI	comp=N,834µm,0.7s		AML	AML	02 46 58.5	-1.4
MTLO	Montello	1.18 38	ePg	Pn	02 46 59.7	-0.2
MTLO	comp=N,834µm,0.7s		AML	AML	02 46 59.7	-0.2
PLMA	Palmaria, Port	1.21 226	AML	AML		
PLMA	comp=N,1090µm,0.6s		AML	AML		
PLMA	comp=E,1540µm,0.7s		AML	AML		
PLMA	comp=N,1090µm,0.6s		AML	AML		
PLMA	comp=E,1540µm,0.7s		AML	AML		
PLMA	comp=N,1090µm,0.6s		AML	AML		
ASQU	Asqua	1.22 154	AML	AML		
ASQU	comp=N,812µm,0.6s		AML	AML		
ASQU	comp=E,536µm,1.3s		AML	AML		
ASQU	comp=N,812µm,0.6s		AML	AML		

ASQU	comp=E,536µm,1.3s		AML	AML		
ASQU	comp=N,812µm,0.6s		AML	AML		
ASQU	comp=N,812µm,0.6s		AML	AML		
MSSA	Maissana	1.24 243	AML	AML		
MSSA	comp=N,1079µm,1.0s		AML	AML		
MSSA	comp=E,1030µm,0.7s		AML	AML		
MSSA	comp=N,1078µm,1.0s		AML	AML		
MSSA	comp=E,1030µm,0.7s		AML	AML		
MSSA	comp=N,1078µm,1.0s		AML	AML		
VARN	Col Varnada, M	1.32 341	ePg	Pn	02 47 01.5	-0.5
VARN	comp=N,1182µm,0.8s		AML	AML	02 47 01.5	-0.5
CPGN	Carpegna, Ital	1.43 140	AML	AML		
CPGN	comp=N,1182µm,0.8s		AML	AML		
CPGN	comp=E,776µm,0.8s		AML	AML		
CPGN	comp=N,1182µm,0.8s		AML	AML		
CPGN	comp=E,776µm,0.8s		AML	AML		
CAE	Caneva	1.48 41	ePg	Pn	02 47 03.6	-0.5
CAE	comp=N,324µm,0.8s		AML	AML	02 47 03.6	-0.5
OZOL	Ozolo	1.51 0	ePg	Pn	02 47 04.4	-0.2
OZOL	comp=N,324µm,0.8s		AML	AML	02 47 04.4	-0.2
PARC	Parchiule	1.51 145	AML	AML		
PARC	comp=N,324µm,0.8s		AML	AML		
PARC	comp=N,324µm,0.8s		AML	AML		
PARC	comp=N,324µm,0.8s		AML	AML		
SSP9	Sanspolcro	1.54 149	AML	AML		
SSP9	comp=N,398µm,0.7s		AML	AML		
SSP9	comp=E,442µm,1.6s		AML	AML		
SSP9	comp=N,398µm,0.7s		AML	AML		
CARE	Lago del Cares	1.55 351	ePg	Pn	02 47 04.8	-0.5
CARE	comp=N,324µm,0.8s		AML	AML	02 47 05.4	+0.3
AGOR	Agordo	1.55 26	ePg	Pn	02 47 05.4	+0.3
BADI	Badiali	1.63 148	AML	AML		
BADI	comp=N,442µm,1.0s		AML	AML		
BADI	comp=E,394µm,0.9s		AML	AML		
BADI	comp=N,442µm,1.0s		AML	AML		
MLNI	Malnisio	1.66 41	ePn	Pn	02 47 06.8	+0.1
MLNI	comp=N,260µm,0.7s		AML	AML	02 47 06.8	+0.1
CAFI	Castiglione Fio	1.70 157	AML	AML		
CAFI	comp=N,260µm,0.7s		AML	AML		
CAFI	comp=E,294µm,0.5s		AML	AML		
CAFI	comp=N,260µm,0.7s		AML	AML		
CIMO	Cimolais	1.72 341	ePn	Pn	02 47 06.6	-0.8
CIMO	comp=N,365µm,0.7s		AML	AML	02 47 06.6	-0.8
ATPC	Poggio Castell	1.74 144	AML	AML		
ATPC	comp=N,365µm,0.7s		AML	AML		
ATPC	comp=E,468µm,0.6s		AML	AML		
ATPC	comp=N,365µm,0.7s		AML	AML		
MPAG	Monte Paganucc	1.77 135	AML	AML		
MPAG	comp=N,369µm,0.9s		AML	AML		
MPAG	comp=N,369µm,0.9s		AML	AML		
MPAG	comp=N,369µm,0.9s		AML	AML		
MPAG	comp=N,369µm,0.9s		AML	AML		
ATBU	Serra di Buran	1.78 142	AML	AML		
ATBU	comp=N,914µm,0.7s		AML	AML		
ATBU	comp=E,820µm,1.0s		AML	AML		
ATBU	comp=N,914µm,0.7s		AML	AML		
PCP	Piancastagn	1.82 260	AML	AML		
PCP	comp=N,351µm,0.9s		AML	AML		
PCP	comp=N,351µm,0.9s		AML	AML		
PCP	comp=N,351µm,0.9s		AML	AML		
ATVA	AVT- Monte Val	1.85 151	AML	AML		
ATVA	comp=N,152µm,1.0s		AML	AML		
ATVA	comp=E,156µm,0.7s		AML	AML		
ATVA	comp=N,152µm,1.0s		AML	AML		
ATTE	AVT- Monte Tez	1.94 151	AML	AML		
ATTE	comp=N,178µm,0.6s		AML	AML		
ATTE	comp=E,258µm,0.7s		AML	AML		
ATTE	comp=N,178µm,0.6s		AML	AML		
MURB	Monte Urbino	1.95 146	AML	AML		
MURB	comp=N,178µm,0.6s		AML	AML		
MURB	comp=E,617µm,1.0s		AML	AML		
MURB	comp=N,178µm,0.6s		AML	AML		
MURB	comp=N,178µm,0.6s		AML	AML		
MURB	comp=N,178µm,0.6s		AML	AML		
QLNO	Quiliano	2.02 254	AML	AML		
QLNO	comp=N,166µm,0.6s		AML	AML		
QLNO	comp=N,166µm,0.6s		AML	AML		
QLNO	comp=N,166µm,0.6s		AML	AML		
VINO	Villanova	2.07 48	AML	AML		
VINO	comp=N,463µm,0.5s		AML	AML		
VINO	comp=N,463µm,0.5s		AML	AML		
VINO	comp=N,463µm,0.5s		AML	AML		
FINB	Finale Ligure	2.08 251				

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, and other parameters. Includes stations like CABC, OG35, OC35, SMRF, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, and other parameters. Includes stations like VYHS, DRME, CLM, NOA, TORO, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, and other parameters. Includes stations like ASAO, KHMZ, QABG, GHVR, etc.

MEX 30 03:18:29.0-0.6, 16.55N-98.14W, h16km, 12km, MD4.0, Near coast of Guerrero











30d 5h

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like OZLJ, SOKA, FRF, UDBI, LMR, ORIF, etc.

2012 MAY

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like BLG, AOCG, RPRV, SNCC, etc.

2024

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like VES, PTAM, BAR, BORC, etc.

NEIC 30 05:14:00.8-0.33:69N:119:06W, h16km, ML4.0(PAS), After PAS. NEIC Filter (IV) at Anaheim and (III) at Beverly Hills, Burbank, Culver City, Encino, Huntington Park, Inglewood, Los Angeles, Marina del Rey, North Hollywood, Northridge, Oxnard, Panorama City, Paramount, Playa del Rey, Porter Ranch, Santa Monica, Sherman Oaks, Tarzana, Torrance, Valencia and Van Nuys. Widely felt along the coast from Santa Maria to San Clemente. IDC 30 05:14:00.4-2.1, 33:66N:119:41W, h0km, mb3.4/3, mb1 3.5/8, mb1mx3.4/64, mbmt3.2/8, ML3.4/4, Error ellipse: s-maj=28.9km s-min=17.4km az=43.0. ISC 30 05:14:00.3-1.0, 33:66N:0:02:119:04W:0.02, h10km:7km, n199, o130/240, mb3.5/3, Southern California

HUIG iS Sn 05 23 39.6 -4.4

IDC 30 05:25:13.4±1.8, 7.59S-130.34E, h0km, mb3.8/2, mb1 3.8/5, mb1mx3.5/7, mbtmp3.6/5, ML3.4/3, Error ellipse: s-maj=68.6km s-min=26.0km az=72.0, Tanimbar Islands region

Code	Station Name	Δ° AZ'	Phase ID	Time	Res
				h m s	ISC
FITZ	Fitzroy Crossi	11.40 203	Op	05 27 58.1	+0.5
FITZ	Warramunga Arr	12.88 163	Pn	05 29 57.0	-8.9
WRA	0.1nm, 0.3s, baz=332, slow=15, SNR=2.1				
WRA	0.2nm, 0.3s, baz=346, slow=13, SNR=17				
ASAR	Alice Springs	16.35 166	Pn	05 29 04.5	0.0
STKA	Stephens Creek	26.35 156	P	05 30 51.5	+0.2
MKAR	Makanchi Array	68.90 327	P	05 36 20.1	0.0
	0.4nm, 0.5s, baz=112, slow=9.1, SNR=5.0				

IDC 30 05:31:44.4±53.0, 19.58S-176.08W, h0km, mb3.7/3, mb1 3.8/3, mb1mx3.4/49, mbtmp3.7/3, Error ellipse: s-maj=986.9km s-min=167.9km az=82.0, Fiji Islands region

Code	Station Name	Δ° AZ'	Phase ID	Time	Res
				h m s	ISC
STKA	Stephens Creek	39.81 243	P	05 39 19.0	-0.6
ASAR	Alice Springs	46.49 256	P	05 40 14.4	+0.6
WRA	Warramunga Arr	46.52 251	P	05 40 13.5	-0.6
	0.2nm, 0.4s, baz=97, slow=8.2, SNR=5.1				

ISC/BJ 30 05:36:22.0±4.0, 42.61N±0.02±2.97E±0.02, h3km, 3km, Error ellipse: s-maj=3.1km s-min=2.2km az=143.4

CSEM 30 05:36:22.0±4.0, 42.61N±0.02±2.97E±0.02, h5km, ML3.4, Error ellipse: s-maj=3.4km s-min=1.9km az=48.0

BEQ 30 05:36:23.0±2.2, 42.61N±0.02±2.97E±0.02, h1km, 2km, Error ellipse: s-maj=6.6km s-min=1.2km az=359.0

ISC 30 05:36:23.0±0.4, 42.59N±0.02±2.92E±0.02, h9km, 6km, n112, c1540/158, 15C-13D, Bulgaria

Code	Station Name	Δ° AZ'	Phase ID	Time	Res
				h m s	ISC
VTS	Vitosha	0.14 89	Op	05 36 26.5	0.0
VTS	Vitosha	0.14 89	eSg	05 36 28.7	0.0
VTS	Vitosha	0.14 89	eSg	05 36 26.5	0.0
VTS	Vitosha	0.14 89	eSg	05 36 28.7	0.0
ZAPS	Zavojo	0.74 338	eP	05 36 37.7	-0.7
ZAPS	Zavojo	0.74 338	eSg	05 36 48.6	-0.1
BARS	Barje	0.92 285	eP	05 36 40.2	-0.7
BARS	Barje	0.92 285	eSg	05 36 40.2	-0.7
BARS	Barje	0.92 285	eSg	05 36 40.2	-0.7
BARS	Barje	0.92 285	eSg	05 36 53.1	+0.2
VAY	Valandovo	1.31 195	eP	05 36 47.4	-0.4
VAY	Valandovo	1.31 195	eSg	05 37 06.3	+0.8
VAY	Valandovo	1.31 195	eSg	05 37 47.4	-0.4
VAY	Valandovo	1.31 195	eSg	05 37 06.3	+0.8
SKO	Skopje	1.33 243	eP	05 36 48.0	0.0
SKO	Skopje	1.33 243	eP	05 36 48.0	0.0
PLD	Plovdiv	1.34 111	eP	05 36 48.2	-0.3
PLD	Plovdiv	1.34 111	eSg	05 37 04.7	-1.1
PLD	Plovdiv	1.34 111	eSg	05 37 04.7	-1.1
ZAGS	Zajecar	1.35 335	eP	05 36 47.9	-0.4
ZAGS	Zajecar	1.35 335	eSg	05 37 06.8	0.0
ZAGS	Zajecar	1.35 335	eSg	05 36 47.9	-0.4
ZAGS	Zajecar	1.35 335	eSg	05 37 06.8	0.0
NVR	Neurokopi	1.39 153	S	05 37 07.6	+0.3
NVR	Neurokopi	1.39 153	S	05 36 48.8	-0.1
NVR	Neurokopi	1.39 153	S	05 37 07.6	+0.3
BOVS	Bovan	1.42 318	eSg	05 37 07.5	-0.6
BOVS	Bovan	1.42 318	eSg	05 37 07.5	-0.6
KNT	Kendrikon	1.43 184	P	05 36 49.2	+0.2
KNT	Kendrikon	1.43 184	P	05 37 08.7	+0.3
KNT	Kendrikon	1.43 184	P	05 36 49.2	+0.2
KNT	Kendrikon	1.43 184	P	05 37 08.7	+0.3
SELS	Selova	1.53 295	eP	05 36 50.2	-0.7
SELS	Selova	1.53 295	eP	05 37 11.3	-0.1
SELS	Selova	1.53 295	eP	05 36 50.2	-0.7
SELS	Selova	1.53 295	eP	05 37 11.3	-0.1
SRR	Serrai	1.53 164	P	05 37 11.3	-0.1
SRR	Serrai	1.53 164	P	05 37 11.9	+0.5
SRR	Serrai	1.53 164	P	05 36 51.0	+0.2
SRR	Serrai	1.53 164	P	05 37 11.9	+0.5
GRG	Griva	1.70 196	P	05 36 53.1	0.0
GRG	Griva	1.70 196	P	05 37 15.4	+0.4
GRG	Griva	1.70 196	P	05 36 53.1	0.0
GRG	Griva	1.70 196	P	05 37 15.4	+0.4
SOH	Sokhos	1.78 172	S	05 37 17.0	0.0
SOH	Sokhos	1.78 172	S	05 36 54.5	+0.2
SOH	Sokhos	1.78 172	S	05 37 17.0	0.0
SOH	Sokhos	1.78 172	S	05 36 54.5	+0.2
CRAR	CRAIOVA	1.82 181	P	05 36 55.3	+0.5
THE	Thessaloniki	1.96 181	P	05 36 57.2	+0.6
THE	Thessaloniki	1.96 181	P	05 37 22.1	+0.8
THE	Thessaloniki	1.96 181	P	05 36 57.2	+0.6
THE	Thessaloniki	1.96 181	P	05 37 22.1	+0.8
HORT	Hortiatits	1.99 178	P	05 37 23.6	+1.3
HORT	Hortiatits	1.99 178	P	05 36 57.8	+0.6
HORT	Hortiatits	1.99 178	P	05 37 23.6	+1.3
HORT	Hortiatits	1.99 178	P	05 36 57.8	+0.6
ZIMR	Zimri	2.02 571	P	05 36 59.3	-0.9
KUBS	Kucevo	2.07 332	ePn	05 36 56.9	-1.3
KUBS	Kucevo	2.07 332	ePn	05 36 56.9	-1.3
SRE	Srebraia	2.08 411	P	05 36 58.4	+0.1
PHP	Peshkopia	2.12 246	P	05 36 59.5	+0.5
PHP	Peshkopia	2.12 246	P	05 37 19.0	+0.5
GRU	Gruga	2.13 308	ePn	05 36 58.5	-0.5
GRU	Gruga	2.13 308	ePn	05 37 25.8	+0.3
GRU	Gruga	2.13 308	ePn	05 36 58.5	-0.5
GRU	Gruga	2.13 308	ePn	05 37 25.8	+0.3
SVIS	Svilajnac	2.13 322	eSg	05 37 40.0	+1.0
SVIS	Svilajnac	2.13 322	eSg	05 37 24.5	-1.1
IVAS	Ivanjica	2.32 296	ePn	05 37 01.2	-0.5
IVAS	Ivanjica	2.32 296	ePn	05 37 30.8	+0.4
IVAS	Ivanjica	2.32 296	ePn	05 37 01.2	-0.5
IVAS	Ivanjica	2.32 296	ePn	05 37 30.8	+0.4
HERR	Herculane	2.33 349	ePn	05 37 01.2	-0.5
HERR	Herculane	2.33 349	ePn	05 37 30.8	+0.4
SJES	Sjenica	2.34 288	ePn	05 37 02.0	0.0
SJES	Sjenica	2.34 288	ePn	05 37 30.4	-0.5
RDO	Rodhopi	2.37 127	P	05 37 02.9	+0.6
RDO	Rodhopi	2.37 127	P	05 37 02.9	+0.6
HUMI	Humele	2.41 361	ePn	05 37 03.1	+0.3
TRUS	Trudelj	2.51 311	ePn	05 37 03.6	-0.7
TRUS	Trudelj	2.51 311	ePn	05 37 03.6	-0.7
DIVS	Divibare	2.67 305	ePn	05 37 06.0	-0.6
DIVS	Divibare	2.67 305	ePn	05 37 39.3	+0.1
DIVS	Divibare	2.67 305	ePn	05 37 06.0	-0.6
DIVS	Divibare	2.67 305	ePn	05 37 39.3	+0.1
SGRR	Singureni	2.70 501	ePn	05 37 06.0	-0.6
PDG	Podgorica	2.79 268	ePn	05 37 08.0	-1.0
PDG	Podgorica	2.79 268	ePn	05 37 08.6	+0.5
ALN	Alexandroupoli	2.83 126	P	05 37 15.7	-1.7
ALN	Alexandroupoli	2.83 126	P	05 37 54.4	+0.4
ALN	Alexandroupoli	2.83 126	P	05 37 15.7	-1.7
ALN	Alexandroupoli	2.83 126	P	05 37 54.4	+0.4
DRME	Dracevica, Mon	2.87 263	ePn	05 37 10.4	+1.2
LOT	Lotru	2.91 101	P	05 37 10.4	+0.5
BBSL	Lazi&#263;i	2.93 297	ePn	05 37 10.1	-0.1
BBSL	Lazi&#263;i	2.93 297	ePn	05 37 46.3	+0.7
BBSL	Lazi&#263;i	2.93 297	ePn	05 37 10.1	-0.1
BBSL	Lazi&#263;i	2.93 297	ePn	05 37 46.3	+0.7
ENEZ	Enez	2.99 127	P	05 37 15.0	-1.7
ENEZ	Enez	2.99 127	P	05 37 53.8	+0.5
ARR	Arges	3.01 221	P	05 37 11.3	-0.6
BZS	Buzias	3.19 342	ePn	05 37 13.4	+0.6
BZS	Buzias	3.19 342	ePn	05 37 13.1	-0.6
BZS	Buzias	3.19 342	ePn	05 37 13.0	-0.6
BZS	Buzias	3.19 342	ePn	05 37 13.1	-0.6
VOIR	Voir	3.20 271	P	05 37 14.2	+0.3
TEKS	Tekeris	3.21 309	ePn	05 37 13.4	-0.5

Code	Station Name	Δ° AZ'	Phase ID	Time	Res
				h m s	ISC
TEKS	Tekeris	3.21 309	eSg	05 37 50.9	-1.3
TEKS	Tekeris	3.21 309	ePn	05 37 13.4	-0.5
TEKS	Tekeris	3.21 309	eSg	05 37 50.9	-1.3
GADA	Gvikeada	3.23 137	eP	05 37 07.8	-6.4
KESN	Edirne-Kesan	3.26 122	iP	05 37 23.5	+2.0
SECF	Seferihisar	3.29 411	P	05 37 16.3	+1.3
DEV	Devata	3.29 359	iP	05 37 15.8	+0.8
BRY	Bratogost	3.32 277	ePn	05 37 16.5	+1.0
HCI	Herceg Novi	3.35 699	ePn	05 37 17.2	+1.4
GELI	Tayfur-Gelibol	3.40 129	eP	05 37 13.3	-3.1
TREB	Trebizne	3.45 274	eP	05 37 19.7	+2.5
BOZC	Bozcaada	3.57 139	P	05 37 24.1	+1.4
LPK	Lapseki	3.58 127	eP	05 38 06.4	-3.7
MLR	Muntele Rosu	3.59 351	iP	05 37 15.0	-3.9
ISR	Istrita	3.59 441	iP	05 37 20.9	+1.7
RKY	Sarkoy-Tekirda	3.65 120	eP	05 37 21.6	+2.4
SART	Sarkoy-Tekirda	3.65 120	eP	05 37 21.7	+1.7
DORT	Dopca	3.78 261	iP	05 37 23.6	+1.8
SIRR	Siria	3.80 346	iP	05 37 21.2	-0.9
KRBC	Karabiga-Canak	3.89 123	eP	05 37 20.1	-3.1
BAYC	CANAKKALE_Bayr	3.90 136	iP	05 37 24.7	+1.4
BAYC	CANAKKALE_Bayr	3.90 136	iP	05 38 08.5	-0.7
BAYC	CANAKKALE_Bayr	3.90 136	P	05 37 24.7	+1.4
BAYC	CANAKKALE_Bayr	3.90 136	P	05 38 08.5	-0.7
STON	Ston	3.93 276	ePn	05 37 23.9	+0.2
STON	Ston	3.93 276	ePn	05 38 11.2	+1.2
STON	Ston	3.93 276	ePn	05 37 23.9	+0.2
SBT3	Marmara-Eregli	4.08 113	eP	05 37 29.3	+3.6
HARR	Harsova	4.14 581	iP	05 37 27.6	+1.0
CJR	Cluj-Napoca	4.14 611	iP	05 37 28.1	+1.3
TLR	Topalu	4.16 601	iP	05 37 27.8	+0.9
PLOR	Plostina	4.17 377	eP	05 37 29.3	+0.4
DRBG	Drbg	4.21 357	iP	05 37 28.2	+0.5
VRI	Vrincioiaia	4.22 381	eP	05 37 29.8	+2.0
CTKS	Kestanelik-??a	4.31 106	eP	05 37 36.9	-2.3
TIRR	Tirgurov	4.34 631	iP	05 37 30.2	+0.8
CFR	Caracul	4.51 531	iP	05 37 32.8	+1.0
BANJA	Banja Luka	4.75 291	ePn	05 37 35.4	+0.4
STEP	BALIKESIR_Sava	4.79 131	iP	05 37 36.2	+0.6
STEP	BALIKESIR_Sava	4.79 131	iP	05 38 24.2	-7.0
STEP	BALIKESIR_Sava	4.79 131	P	05 37 36.2	+0.6
MORH	Mrt'rgy, Hung	4.79 321	ePn	05 37 34.7	-0.9
MORH	Mrt'rgy, Hung	4.79 321	ePn	05 38 29.3	+1.9
MORH	Mrt'rgy, Hung	4.79 321	ePn	05 37 34.7	-0.9
MORH	Mrt'rgy, Hung	4.79 321	ePn	05 38 29.3	+1.9
ESK	Esenkoy-Cinarc	4.81 112	eSg	05 37 38.9	+1.4
TLCR	TLCR	4.93 561	iP	05 37 38.9	+1.4
BURAR	Bucovina Array	5.26 161	iP	05 37 43.8	+1.6
KIS	Kishinev	6.04 41	eP	05 38 09.0	+0.4
CRVS	Cervenica-Dubn	6.41 351	eSg	05 39 54.4	+5.5
VYHS	Vyhne	6.59 305	eP	05 38 04.4	+3.3
NB2	NORSAR Subarra	19.81 343	P	05 40 53.8	-0.1
	comp=2.1, 9nm, 1.0s, baz=153, slow=10				

CSEM 30 05:36:59.0±3.0, 38.67N±43.68E, h5km, ML3.4, Error ellipse: s-maj=8.0km s-min=4.7km az=82.0

ISK 30 05:36:59.0±3.0, 38.67N±43.55E, h8km, ML3.4/5

DDA 30 05:36:59.0±3.0, 38.67N±43.68E, h8km, ML3.5

ISC 30 05:36:59.0±1.1, 38.67N±43.68E, h8km, ML3.4

ISC 30 05:37:00.6±0.5, 38.

30d 6h

MAGA	comp=N,1625um,0.4s	AML	AML				
MAGA	comp=E,1680um,0.3s	AML	AML				
DOSS	comp=N,1625um,0.4s	1.00	2	ePg	Pg	05 56 09.8	-0.7
DOSS	comp=N,1625um,0.4s			eSg	Sb	05 56 24.2	+0.4
DOSS	comp=N,1625um,0.4s	1.00	2	ePg	Pg	05 56 09.8	-0.7
DOSS	comp=N,1625um,0.4s			eSg	Sb	05 56 24.2	+0.4
SFI	comp=N,134um,1.1s	1.10	152	AML	AML		
SFI	comp=E,202um,1.6s			AML	AML		
SFI	comp=N,134um,1.1s			AML	AML		
SFI	comp=E,202um,1.6s			AML	AML		
CGRP	Cima Grappa	1.10	25	ePg	Pg	05 56 11.3	-1.1
CGRP	Cima Grappa			eSg	Sb	05 56 28.6	+0.6
CGRP	Cima Grappa	1.10	25	ePg	Pg	05 56 11.3	-1.1
CGRP	Cima Grappa			eSg	Sb	05 56 28.6	+0.6
PANI	Panarotta	1.18	7	ePg	Pg	05 56 11.3	-1.1
PANI	Panarotta			eSg	Sb	05 56 28.6	+0.6
BOB	Bobbio (Coli)	1.21	265	AML	AML		
BOB	comp=N,211um,0.6s			AML	AML		
BOB	comp=E,147um,1.1s			AML	AML		
BOB	comp=N,211um,0.6s			AML	AML		
BOB	comp=E,147um,1.1s			AML	AML		
MABI	Malga Bissina	1.25	340	AML	AML		
MABI	comp=N,86um,0.8s			AML	AML		
MABI	comp=N,86um,0.8s			AML	AML		
MABI	comp=N,86um,0.8s			AML	AML		
MABI	comp=N,86um,0.8s			AML	AML		
NARO	Abbazia di Nar	1.64	140	AML	AML		
NARO	comp=N,41um,1.3s			AML	AML		
NARO	comp=E,31um,1.5s			AML	AML		
NARO	comp=N,41um,1.3s			AML	AML		
NARO	comp=E,31um,1.5s			AML	AML		
MOSI	Grossmontoni	1.79	347	AML	AML		
MOSI	comp=N,168um,0.8s			AML	AML		
MOSI	comp=E,168um,0.8s			AML	AML		
MOSI	comp=N,274um,0.8s			AML	AML		
MOSI	comp=N,274um,0.8s			AML	AML		
ABSI	Aberstueckl	1.85	4	AML	AML		
ABSI	comp=N,199um,0.6s			AML	AML		
ABSI	comp=E,196um,0.5s			AML	AML		
ABSI	comp=N,199um,0.6s			AML	AML		
ABSI	comp=E,196um,0.5s			AML	AML		
JAYS	Javornik	2.29	63	ePn	Pn	05 56 27.8	-1.2
JAYS	Javornik	2.29	63	Pn	Pn	05 56 27.8	-1.2
CLL	Collm	6.55	10	eSg	Sg	05 59 25.0	+3.7

ISCJB 30 05:55:55.0, 3.779N, 0.02:26.76E, 0.04, h7km, 5km, Error ellipse: s-maj=5.5km s-min=3.4km az=146.6  
 CSEM 30 05:55:55.0, 1.3779N, 26.74E, h5km, ML1.8, Error ellipse: s-maj=3.1km s-min=2.2km az=99.0  
 THE 30 05:55:55.7, 37.777N, 26.74E, h5km, 22km, ML1.8/3, Error ellipse: s-maj=24.6km s-min=0.7km az=79.0  
 DDA 30 05:55:55.2, 37.79N, 26.73E, h7km, ML2.7  
 ISK 30 05:55:55.2, 37.81N, 26.77E, h7km, ML2.5/7  
 ISC 30 05:55:55.0, 3.779N, 0.02:26.76E, 0.02, h10km, 7km, n33, o047/53, Dodecanese Islands

Code	Station Name	Δ°	AZ°	Phase ID	ISC ID	Time	Res
SMG	Samos	0.11	142	Op	Pg	05 55 58.4	+0.2
SMG	Samos			S	Pg	05 55 59.6	-0.5
SMG	Samos	0.11	142	P	Pg	05 55 58.4	+0.2
SMG	Samos			S	Pg	05 55 59.6	-0.5
DGB	zmir	0.28	22	iP	Pg	05 56 01.2	+0.2
DGB	zmir			iS	Pg	05 56 05.9	+1.1
GCAM	G?zelcaml?	0.39	104	PG	Pg	05 56 09.2	+0.8
GCAM	G?zelcaml?			SG	Pg	05 56 09.2	+0.8
GCAM	G?zelcaml?	0.39	104	iP	Pg	05 56 03.4	+0.1
GCAM	G?zelcaml?			iS	Pg	05 56 09.9	-0.7
GCAM	G?zelcaml?	0.39	104	P	Pg	05 56 03.4	+0.2
GCAM	G?zelcaml?			eSg	Pg	05 56 09.2	+0.8
ZEY	zmir	0.48	336	iP	Pg	05 56 05.0	+0.1
ZEY	zmir			iS	Pg	05 56 13.0	-0.3
URLA	Izmir	0.58	348	PG	Pg	05 56 06.7	0.0
URLA	Izmir			SG	Pg	05 56 14.7	+0.4
URLA	Izmir	0.58	348	iP	Pg	05 56 05.8	-0.9
URLA	Izmir			iS	Pg	05 56 14.4	0.0
URLA	Izmir	0.58	348	P	Pg	05 56 05.8	-0.9
URLA	Izmir			ePg	Pg	05 56 06.7	0.0
URLA	Izmir	0.58	348	S	Pg	05 56 14.4	0.0
BLCB	Balcova	0.63	21	P	Pg	05 56 07.6	-0.1
BLCB	Balcova			SG	Pg	05 56 16.5	+0.5
BLCB	Balcova	0.63	21	ePg	Pg	05 56 07.6	-0.1
BLCB	Balcova			eSg	Pg	05 56 16.5	+0.5
CHOS	Chios island	0.81	317	PG	Pg	05 56 11.2	+0.1
CHOS	Chios island			P	Pg	05 56 11.9	+0.2
CHOS	Chios island	0.81	317	ePg	Pg	05 56 23.3	+0.6
CHOS	Chios island			S	Pg	05 56 11.2	+0.1
CHOS	Chios island	0.81	317	P	Pg	05 56 11.9	+0.2
CHOS	Chios island			eSg	Pg	05 56 23.3	+0.6
KRBN	Karaburun	0.81	349	PG	Pg	05 56 10.9	-0.3
KRBN	Karaburun			P	Pg	05 56 10.9	-0.3
BODT	Bodrum	0.85	149	PG	Pg	05 56 12.2	+0.3
BODT	Bodrum			ePg	Pg	05 56 12.2	+0.3
AYDN	Tasoluk	0.90	98	iP	Pg	05 56 12.5	-0.4
AYDN	Tasoluk			iS	Pg	05 56 24.4	-0.2
AYDN	Tasoluk	0.90	98	P	Pg	05 56 12.5	-0.4
AYDN	Tasoluk			S	Pg	05 56 24.4	-0.2
AYDN	Zeytin koy-Aydi	0.91	80	P	Pg	05 56 19.3	+0.5
AYDN	Zeytin koy-Aydi			ePg	Pg	05 56 12.9	-0.2
AYDN	Zeytin koy-Aydi	0.91	80	ePg	Pg	05 56 19.3	+0.5
AYDN	Zeytin koy-Aydi			P	Pg	05 56 12.9	-0.2
BDRM	Kayabasi	0.91	143	iP	Pb	05 56 13.5	+0.1
BDRM	Kayabasi			iS	Pb	05 56 25.8	+0.2
BDRM	Kayabasi	0.91	143	P	Pb	05 56 13.5	+0.1
BDRM	Kayabasi			S	Pb	05 56 25.8	+0.2
APE	Apeiranthos	1.21	234	P	Pb	05 56 17.5	-1.0
APE	Apeiranthos			S	Pb	05 56 34.5	0.0
APE	Apeiranthos	1.21	234	P	Pb	05 56 17.5	-1.0
APE	Apeiranthos			S	Pb	05 56 34.5	0.0
APE	Apeiranthos	1.21	234	ePn	Pb	05 56 19.3	+0.5
APE	Apeiranthos			eSg	Pb	05 56 34.5	0.0
SIGR	SIGRI	1.58	334	Pn	Pb	05 56 24.4	-0.4
SIGR	SIGRI			ePn	Pb	05 56 24.4	-0.4

CSEM 30 05:57:20.8, 0.1, 44.51N, 6.68E, h10km, ML2.8/18, Error ellipse: s-maj=1.8km s-min=1.4km az=52.0  
 GEN 30 05:57:21.0, 44.48N, 6.68E, h8km, ML2.0  
 LDG 30 05:57:21.4, 0.1, 44.51N, 6.70E, h2km, M2.7/1, M2.8/18, Error ellipse: s-maj=1.7km s-min=1.3km az=53.0  
 ISCJB 30 05:57:21.4, 0.2, 44.52N, 0.02:6.72E, 0.03, h29km, 3km, Error ellipse: s-maj=3.1km s-min=2.6km az=157.9  
 STR 30 05:57:21.7, 0.3, 45.1N, 2.1E, h5km, M2.5/6, MLV2.5/6  
 ROM 30 05:57:22.0, 0.1, 44.51N, 0.005:6.79E, 0.01, h11km, 1km, ML2.2/12  
 ISC 30 05:57:20.8, 0.8, 44.51N, 0.01:6.70E, 0.02, h15km, 5km, n88, o091/136, 3C-1D, France

Code	Station Name	Δ°	AZ°	Phase ID	ISC ID	Time	Res
SURF	Saint Ours	0.09	113	Op	Pg	05 57 23.5	+0.6
SURF	Saint Ours			P	Pg	05 57 23.6	-0.3
OGAG	Argentiere	0.13	243	Pg	Pb	05 57 27.4	+2.3
OGAG	Argentiere			Sg	Pb	05 57 32.1	+4.2
MBDF	Montbardon	0.22	13	ePg	Pg	05 57 25.9	0.0
MBDF	Montbardon			eSg	Pg	05 57 29.4	+0.1
MBDF	Montbardon	0.22	13	ePg	Pg	05 57 25.9	0.0

2012 MAY

MBDF	Montbardon	0.22	13	eSg	Sg	05 57 29.4	+0.1
DOI	San Damiano	0.39	91	↑P	Pg	05 57 28.9	+0.2
DOI	San Damiano			S	Pg	05 57 34.4	+0.3
DOI	San Damiano	0.39	91	P	Pg	05 57 28.9	+0.2
DOI	San Damiano			AML	AML		
DOI	comp=E,534um,0.2s			AML	AML		
DOI	comp=N,659um,0.2s			AML	AML		
DOI	comp=E,534um,0.2s			AML	AML		
DOI	comp=N,659um,0.2s			AML	AML		
DOI	comp=E,534um,0.2s			AML	AML		
DOI	comp=N,659um,0.2s			AML	AML		
RRL	Rocca Remolon	0.41	9	P	Pg	05 57 29.7	+0.5
RRL	Rocca Remolon			S	Pg	05 57 35.8	+0.8
ISO	Isola	0.41	143	Pg	Pg	05 57 29.0	-0.2
ISO	Isola			Sg	Pg	05 57 34.2	-0.7
ISO	Isola	0.41	143	Pg	Pg	05 57 29.0	-0.2
ISO	Isola			Pb	Pg	05 57 31.8	+0.5
OGDI	Digne	0.50	216	Pg	Pg	05 57 39.2	+0.9
OGDI	Digne			Sg	Pg	05 57 31.4	+0.3
GBDI	Bricherasio	0.52	50	S	Pg	05 57 38.3	+0.3
GBDI	Bricherasio			P	Pg	05 57 31.0	-0.4
STV	Sant Anna di V	0.52	121	P	Pg	05 57 37.7	-0.4
STV	Sant Anna di V			S	Pg	05 57 31.2	0.0
STV	Sant Anna di V	0.52	121	P	Pg	05 57 37.7	-0.4
STV	Sant Anna di V			S	Pg	05 57 31.2	0.0
STV	comp=E,426um,0.3s			AML	AML		
STV	comp=N,680um,0.3s			AML	AML		
STV	comp=E,426um,0.3s			AML	AML		
STV	comp=N,680um,0.3s			AML	AML		
STV	comp=E,426um,0.3s			AML	AML		
STV	comp=N,680um,0.3s			AML	AML		
ENR	Entracque	0.59	119	P	Pg	05 57 32.3	-0.2
ENR	Entracque			S	Pg	05 57 39.8	+0.5
ENR	Entracque	0.59	119	P	Pg	05 57 32.3	-0.2
ENR	Entracque			S	Pg	05 57 32.2	-0.2
ENR	comp=E,495um,0.4s			AML	AML		
ENR	comp=N,439um,1.5s			AML	AML		
ENR	comp=E,495um,0.4s			AML	AML		
ENR	comp=N,440um,1.5s			AML	AML		
ENR	comp=E,495um,0.4s			AML	AML		
ENR	comp=N,440um,1.5s			AML	AML		
ORIF	Oris-en-Rattie	0.71	305	ePg	Pg	05 57 34.4	-0.4
ORIF	Oris-en-Rattie			eSg	Pg	05 57 42.5	-1.7
ORIF	Oris-en-Rattie	0.71</					









30d 6h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like ULC, IVAS, BEY, etc.

2012 MAY

Main table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like ANMO, TX31, TXAR, etc.

2030

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like KHGB, KHGB, SLWS, etc.

2031

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like HRFI, PRNI, MMAL, EIL, etc.

2012 MAY

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like KSH, UCH, AAK, etc.

30d 6h

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like VTS, ARR, KOLN, etc.

30d 6h

Table with columns for station name, frequency, power, and other technical details. Includes stations like CSKK, LANS, VYHS, etc.

2021 MAY

Table with columns for station name, frequency, power, and other technical details. Includes stations like FINES, GRFO, SENIN, etc.

2032

Table with columns for station name, frequency, power, and other technical details. Includes stations like EDU, MMEI, WME, etc.

2033

Table with columns: CAST, Castle Rocks, 86.28, 11, eP, P, 07 08 27.29 +0.3

BJI 30 06:57:01.5, 6:49S; 130:160E, h146km, mb4.9/49, mb4.9/34
MOS 30 06:57:05.9, 1.0, 6:18S; 130:29E, h155km, mbs.0/36, Error
ellipse: s-maj=11.9km s-min=5.9km az=114.7

NEIC 30 06:57:06.0, 0.4, 6:20S; 130:32E, h145km, 4km, mb5.0/42,
Error ellipse: s-maj=3.9km s-min=3.7km az=48.0

ISC 30 06:57:06.2, 1.4, 6:20S; 130:28E, h144km, 12km, mb4.6/33,
mb1.4/37, mb1mx4.5/55, mbtmp5.0/37, MS3.1/4,
Ms1.3/1.4, ms1mx2.6/57, Error ellipse: s-maj=11.8km
s-min=8.2km az=85.0

DJA 30 06:57:06.9, 0.2, 6:52S; 130:05E, h155km, 3km, M5.1/30,
mbs.2/30, mb5.5/18, MLV5.6/16, Mw(mb)4.9/18

ISC 30 06:57:05.9, 0.5, 6:25S; 033:130E, 0.04, h150km, 4km,
n290, r185/334, mb5.0/107, 18C-5D, Banda Sea

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res

2012 MAY

Main station list table with columns: UGM, Wanagama, 19.79, 264, P, P, 07 01 25.1 +0.3

30d 6h

Main station list table with columns: LZH, SS, SS, 07 15 58.0 -4.9

30d 7h

Table with columns: Station Name, Frequency, Power, Modulation, and Time. Includes stations like MKAR, MAKZ, ZHN, YAK, etc.

2012 MAY

Table with columns: Station Name, Frequency, Power, Modulation, and Time. Includes stations like ARU, RAYN, ATD, COLA, etc.

ROM 30 07:01:31.3z, 0.44:890N:0:002z:10:920E:0:003, h4km, ML2.7/12

IASPEI 30 07:01:32.3z, 0.8, 44:92N:0:02z:10:91E:0:003, h6km, 5km, Error ellipse: s-maj=3.7km s-min=2.9km az=90.1, G75 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

ISC/JB 30 07:01:32.2z, 0.4, 44:92N:0:02z:10:87E:0:04, h3km, 4km, Error ellipse: s-maj=4.5km s-min=3.1km az=3.3

CSEM 30 07:01:32.2z, 0.4, 44:94N:10:93E, h5km, ML2.7, Error ellipse: s-maj=7.1km s-min=3.3km az=94.0

ISC 30 07:01:32.0z, 0.8, 44:93N:0:02z:10:91E:0:02, h6km, 5km, m64, c09786, 4C-4D, Northern Italy

Table with columns: Code, Station Name, Frequency, Power, Modulation, and Time. Includes stations like NDIM, T0818, T0814, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and Time. Includes stations like TEOL, MARN, SALO, etc.

CARE Lago del Cares 1.51 354 ePg Pn 07 01 59.2 -0.6

CARE Lago del Cares 1.51 354 ePg Pn 07 01 59.2 -0.6

KOSI Kohlen 1.57 12 ePg Pn 07 01 59.2 -0.6

KOSI Kohlen 1.57 12 ePg Pn 07 01 59.2 -0.6

NARO Abbazia di Nas 1.78 137 ePg Pn 07 01 59.2 -0.6

NARO Abbazia di Nas 1.78 137 ePg Pn 07 01 59.2 -0.6

NARO Abbazia di Nas 1.78 137 ePg Pn 07 01 59.2 -0.6

NARO Abbazia di Nas 1.78 137 ePg Pn 07 01 59.2 -0.6

NARO Abbazia di Nas 1.78 137 ePg Pn 07 01 59.2 -0.6

NARO Abbazia di Nas 1.78 137 ePg Pn 07 01 59.2 -0.6

NARO Abbazia di Nas 1.78 137 ePg Pn 07 01 59.2 -0.6

NARO Abbazia di Nas 1.78 137 ePg Pn 07 01 59.2 -0.6

NARO Abbazia di Nas 1.78 137 ePg Pn 07 01 59.2 -0.6

NARO Abbazia di Nas 1.78 137 ePg Pn 07 01 59.2 -0.6

NARO Abbazia di Nas 1.78 137 ePg Pn 07 01 59.2 -0.6

NARO Abbazia di Nas 1.78 137 ePg Pn 07 01 59.2 -0.6

NARO Abbazia di Nas 1.78 137 ePg Pn 07 01 59.2 -0.6

NARO Abbazia di Nas 1.78 137 ePg Pn 07 01 59.2 -0.6

NARO Abbazia di Nas 1.78 137 ePg Pn 07 01 59.2 -0.6

NARO Abbazia di Nas 1.78 137 ePg Pn 07 01 59.2 -0.6

NARO Abbazia di Nas 1.78 137 ePg Pn 07 01 59.2 -0.6

NARO Abbazia di Nas 1.78 137 ePg Pn 07 01 59.2 -0.6

NARO Abbazia di Nas 1.78 137 ePg Pn 07 01 59.2 -0.6

NARO Abbazia di Nas 1.78 137 ePg Pn 07 01 59.2 -0.6

NARO Abbazia di Nas 1.78 137 ePg Pn 07 01 59.2 -0.6









30d 7h

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like KFL, KFL, KFL, EFP, EFP, EFP, etc.

2021 MAY

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like SOH, SOH, SOH, SOH, SOH, etc.

2038

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like KBZ, KBZ, KBZ, KBZ, KBZ, etc.



30d 8h

Table with columns: Code, Station Name, IAML, Time, Res, Pn. Includes entries for GO04, CYA Choya, AMOG MOGNA, CPUP Villa Florida, CPUP comp=Z,0.2nm,0.3s, etc.

NIED 30 08:13:00,39.40N,143.60E,h11km,Mw4.1 Best double couple: M1,78000.1015 NP1,288.00000; 857.00000, lambda=166.00000. NP2,190.00000; 878.00000, lambda=33.00000.

ISC 30 08:13:04.9,0.7,39.30N,143.46E,h0km,mb3.7/13, mb1 3.9/16,mb1mx3.7/75,mbtmp3.8/16,ML3.6/3,MS3.3/16, Ms1 3.3/16,ms1mx3.0/77,Error ellipse: s-maj=20.9km s-min=14.7km az=110.0

JMA 30 08:13:07.2,0.2,39.44N,143.59E,h33km,M4.3 ISC 30 08:13:06.9-3.4,39.44N,143.47E,0.07,h12km,2.21km, n51,r1960/42,mb3.8/13,MS3.6/10,Off east coast of Honshu

Main table for 30d 8h section with columns: Code, Station Name, IAML, Time, Res, Pn. Includes entries for MIYJ Miyakonagasaki, JTH Tanohata, OFUJ Ohasama, etc.

ISCJB 30 08:18:11.3,0.3,60.05N,0.03,148.31W,0.05,h10km, mb3.6/6,Error ellipse: s-maj=4.1km s-min=3.2km az=2.1 NEIC 30 08:18:13.2,0.0,60.05N,148.37W,h10km,ML3.2(AEIC), After AEIC. IDC 30 08:18:13.2,1.0,59.94N,148.18W,h0km,mb3.6/6, mb1 3.7/10,mb1mx3.4/78,mbtmp3.5/10,ML2.8/4,MS2.6/2, Ms1 2.7/2,ms1mx2.3/75,Error ellipse: s-maj=18.7km

2012 MAY

s-min=17.0km az=111.0 ISC 30 08:18:12.0,0.7,60.04N,0.04,148.36W,0.03,h10km,n71,r1539/75,mb3.7/6,Kenai Peninsula

Main table for 2012 MAY section with columns: Code, Station Name, IAML, Time, Res, Pn. Includes entries for SKLM Skilak Lake, RIF Middleton Isla, RC01 Rabbit Creek, etc.

IDC 30 08:28:01.2,16.0,19.13S,174.15W,h0km,mb4.4/5, mb1 4.5/5,mb1mx3.7/59,mbtmp4.7/5,Error ellipse: s-maj=315.7km s-min=140.3km az=80.0 ISC 30 08:28:20.4,5.1,19.5S,176.0W,0.5,h35km,n7,r1950/47, mb4.5/5,Fiji Islands region

Main table for IDC 30 08:28:01.2 section with columns: Code, Station Name, IAML, Time, Res, Pn. Includes entries for CTA Charters Tower, STKA Stephens Creek, ASAR Alice Springs, etc.

2040

Main table for 2040 section with columns: Code, Station Name, IAML, Time, Res, Pn. Includes entries for T0800 comp=E,60800um,1.2s, T0800 comp=N,45250um,1.4s, T0811 Palapa Tepoli, etc.





30d 8h

2012 MAY

2042

Table with columns for station name, coordinates, elevation, and performance metrics. Includes stations like GAZZ, MANTOVA, T0800, SERM, MODE, MTRZ, and TEOL.

Table with columns for station name, coordinates, elevation, and performance metrics. Includes stations like ROVR, BALD, POPM, BDI, PTF, DOSS, MAIM, CRMI, CGRP, PLMA, MABI, MABI, PANI, SFI, and MOMA.

Table with columns for station name, coordinates, elevation, and performance metrics. Includes stations like SFI, MTLO, ASQU, VARN, OZOL, CARE, APPI, KOSI, AGOR, BRMO, MOSI, PCP, VARE, PIEI, ABSI, QLNO, ROSI, FETA, CASP, RISI, SKDS, and MOMA.







30d 11h

Table with columns for station name, frequency, power, and signal strength. Includes stations like BOD, KMO, YLYR, NIZ, KHNR, TUP, SYVR, VTMR, YKLR, CIT, MXMB, OGRR, KELR, TRG, UUDB.

2012 MAY

Table with columns for station name, frequency, power, and signal strength. Includes stations like Chul'man, Tynda, Kabansk, Khuramsha, Khapcheranga, Bolshoye Golou, Irkutsk, Ivanovka, Hialar, Zeya, Arshan, Zakamensk, Monday, Oriik, Songino Array, Oriik, Songino Array, Oriik, Songino Array, Oriik, Songino Array.

2046

Table with columns for station name, frequency, power, and signal strength. Includes stations like YAK, KLR, USRK, TIXI, ZALV, DGZ, NVS, NRIK, MA2, SEY, SKRS, KSRK, KURK, MKAR, MKAR, KURB, PETK, MJAR, BVAR, JNU, BRVK, BILL, AAK, ARU, AKTO, SPITS, CMAR, FINES, FINES, FINES, ILAR, NEY, INK, AKASG, HFS, NB2, NOA, NOA, NOA, MLR, BRTR, BRTR, YKTA, YKA, GERS, EKA, ESDC, NVAR, WRA, ASAR, ANMO, ANMO.

IDC 30 11:35:42.1.54:33N:169:07E, h0km, mb3.3/5, mb1 3.5/6, mb1mx3.3/80, mbtmp3.3/6, ML2.2/1, Error ellipse: s-maj=74.4km s-min=22.1km az=173.0, ISCJB 30 11:35:39.6:1.7.54:33N:0:4:168:9E:0:2, h20km, mb3.2/5, Error ellipse: s-maj=60.4km s-min=9.9km az=166.1, ISC 30 11:35:42.1:1.9.54:5N:0:5:168:9E:0:2, h20km, n12,





Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like CUALT Altinyayla-SIV, HANI Diyarbakir\_Han, ERBA Erbaa, etc.

CSEM 30 12:59:50.0, 3.45, 71N, 26.59E, h133km, 2km, MD2.8, Error ellipse: s-maj=4.5km s-min=3.7km az=172.0

BUC 30 12:59:50.0, 8.0, 45, 70N, 26.58E, h138km, 8km, MD3.5/4, Error ellipse: s-maj=6.2km s-min=5.3km az=2.0

ISC 30 12:59:49.6, 1.4, 45, 72N, 0.003, 26.60E, 0.03, h144km, 7km, n82, c0589/118, 39C-27D, Romania

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like PLOA Plostina, VRI Vrincoiaia, ODBI Odobesti, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like TLR TLR, TIRR Tirusor, TIR Tirusor, etc.

BJI 30 13:22:58.7, 7.77N, 91.95E, h26km, mb.4.6/33, mb4.8/20, m4.4/17, Mst 3.8/6

IDC 30 13:22:59.2, 0.4, 8, 23N, 91.77E, h0km, mb.4.4/38, m1.4/5/41, mb1mx3.4/74, mbtp4.4/41, ML.4.6/3, MS3.5/28, Ms1.3/5/28, ms1mx3.4/74, Error ellipse: s-maj=15.0km s-min=9.8km az=43.0

DJA 30 13:23:00.7, 0.5, 8, 24N, 9.2E, h10km, M4.9/12, mb.4.8/12, mb5.7/1, MLV4.9/4, Mw(mb)5.3/1

ISCJBJ 30 13:23:00.6, 0.2, 8, 17N, 0.03, 91.77E, 0.03, h25km, mb.4.6/88, MS3.6/32, Error ellipse: s-maj=5.1km s-min=3.1km az=36.7

NEIC 30 13:23:01.5, 1.9, 8, 22N, 91.78E, h16km, 12km, mb.4.9/33, Error ellipse: s-maj=5.6km s-min=3.8km az=52.0

MOS 30 13:23:02.3, 1.1, 8, 23N, 91.75E, h33km, mb.4.9/37, Error ellipse: s-maj=8.4km s-min=5.3km az=106.2

ISC 30 13:23:02.9, 0.3, 8, 21N, 0.05, 91.81E, 0.05, h25km, n255, c1548/240, mb.4.7/88, MS3.6/32, 22C-14D, Nicobar Islands region

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like CMBY CAMPBELL BAY, PBA Port Blair, DGPR DIGLIPUR, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like PKI Palschoki, DMN Daman, BHPL Bhopal, GUN Gumba, etc.

2049

Table with columns: RAYN, Ar Rayn, 46.84 295 eP, P, 13 31 31.7 +0.4, etc. Includes stations like HIA, NWA0, H01W3, etc.

2012 MAY

Table with columns: MLR, Muntele Rosu, 67.32 316 iP, P, 13 33 56.2 +0.2, etc. Includes stations like TIXI, MA2, VOIR, etc.

30d 13h

Table with columns: SJMP, San Jose, 4.06 340 eP, Pn, 13 25 15.6 +1.4, etc. Includes stations like T0800, T0801, etc.

30d 13h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for T0800 Massa Finalese, T0811 Palata Pepoli, etc.

IDC 30 13:48:48.0-8.9,30.07N:81.97E,h0km,mb3.4/3, mb1 3.7/4,mb1mx3.1/73,mbtmp3.4/4,ML3.2/1, Error ellipse: s-maj=383.5km s-min=31.4km az=70.0, Xizang

IDC 30 13:48:20.1-1.2,17.01N:147.58E,h0km,mb3.7/10, mb1 3.9/11,mb1mx3.6/68,mbtmp3.7/11,ML4.3/1, Error ellipse: s-maj=38.3km s-min=17.5km az=95.0

ISC 30 13:48:26.3-1.3,17.00N:147.4E:0.2,h41km,n11, c075/12,mb3.8/10, Mariana Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for GUMO Guam, MJAR Matsushiro Arr, KLR Kul'dur, etc.

KRNET 30 13:53:23.6-0.1,41.45N:76.04E,h14km,mb2.9

KNET 30 13:53:25.8-0.6,41.54N:75.93E,h6km,4km,m2.6, Error ellipse: s-maj=4.4km s-min=2.7km az=151.0

SOME 30 13:53:25.0,41.43N:75.97E,h10km, Error ellipse: s-maj=5.4km s-min=3.4km az=176.4

NNC 30 13:53:27.9-1.8,41.54N:75.93E,h0km,mb3.3,mpv3.0, Error ellipse: s-maj=15.9km s-min=10.4km az=143.0

ISC 30 13:53:23.8-0.9,41.39N:75.99E:0.02,h10km,n48, c126/91,38C-19D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for NRN Naryn, ULHL Ulahol, KZA Kyzart, etc.

2012 MAY

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for BMNS 9.6nm,0.2s, FRU1 Bishkek, TNS5 Tian-Shan, etc.

BUIJ 30 13:56:07.8,11.19N:139.88E,h19km,mb4.9/42,mb5.1/31, MS4.5/21,MS7.4/32

IDC 30 13:56:07.8-0.4,11.24N:139.54E,h0km,mb4.7/41, mb1 4.8/41,mb1mx4.7/61,mbtmp4.7/41,MS4.1/35, MS1.4/135,ms1mx4.0/57, Error ellipse: s-maj=16.8km s-min=9.2km az=85.0

ISCJB 30 13:56:12.7-0.8,11.24N:139.55E:0.03,h44km,8km, mb4.9/157,MS4.2/44, Error ellipse: s-maj=4.8km s-min=4.3km az=17.3

MOS 30 13:56:12.3-0.9,11.26N:139.58E,h42km,mb5.2/67, MS4.3/13, Error ellipse: s-maj=8.5km s-min=4.5km az=110.0

GCMT 30 13:56:14.7-0.2,11.23N:139.35E,h18km,MW5.0/89, Moment Tensor Solution. s51.c67: s89.c153: Duration: 0. Moment tensor: Scale 10^19Nm; M1:2.95e+15; M2:-3.69e+10; M3:0.74e+10; M4:0.35e+19; M5:-1.13e+07; M6:1.04e+27; Best double couple: M0:3.68800e+1016 NP1:3e57.00000e+053.00000e+000, lambda12.00000e+000. Principal axes: T 3.3640, P1g68.0000e+000, Azm268.0000e+000; N 0.6520, P1g21.0000e+000, Azm74.0000e+000; P -4.0120, P1g5.0000e+000, Azm166.0000e+000; nstai refers to body waves, cutoff=40s. nstaz refers to surface waves, cutoff=50s.

NEIC 30 13:56:14.7-0.8,11.27N:139.56E,h50km,7km,mb5.0/84 Error ellipse: s-maj=4.6km s-min=3.8km az=76.0

DJA 30 13:56:15.3-0.8,11.14N:147.40E,h58km,14km,MS.2/17, mb5.0/17,mb5.5/9,MLV5.6/1,MW(mb)5.0/9

ISC 30 13:56:13.9-0.6,11.22N:139.54E:0.05,h41km,5km, n337,c1918/348,mb5.0/157,MS4.2/44,14C-12D,Western Caroline Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for GUMO Guam, GUMO Guam, GUMO Guam, etc.

2050

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for DAV Davao City (W), SIJI Sorong, MANU Manus Island, etc.





Table with columns: ARK, Arkit, 1.66 245, P, Pb, 14 50 58.9, -0.6, etc. Includes sub-sections for NEIC, MEX, Off coast of Chiapas, and ISCJB.

Main table with columns: TRO, TRO, eS, IAML, Sn, 15 14 16.3, -5.0, etc. Includes sub-sections for ISCJB, DDA, and ISC.

Table with columns: BTM, Batman, 1.67 243, P, Pg, 15 27 32.5, -0.1, etc. Includes sub-sections for ISCJB, NNC, and ISC.



30d 16h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BUKP Musuan, CNP Catarman, GUIM Jordan, etc.

MEX 30 16:05:06.0, 4, 13, 94N, 93, 37W, h17km, 35km, MD3,9. Off coast of Chiapas. Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

ISCJB 30 16:15:05.7, 0.5, 40, 51N, 0, 04, 43, 04E, 0, 04, h12km, 7km, Error ellipse: s-maj=6.1km s-min=5.5km az=12.2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like THIG, PCIG, CCIG, YBHB, etc.

CSEM 30 16:17:07.3, 39, 87N, 16, 12E, h8km, ML2.8/23 ROM 30 16:17:07.3, 0.1, 39, 87N, 0, 008, 16, 118E, 0, 007, h8km, Md1.5/4, Southern Italy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MMN Mormanno, WRA Warramunga Arr, etc.

2012 MAY

Main table for 2012 MAY with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SALB, ORI Oriolo Calabro, CET2, etc.

CSEM 30 16:17:24.0, 39, 87N, 16, 12E, h8km, ML2.8/22 ROM 30 16:17:25.0, 0.1, 39, 87N, 0, 008, 16, 118E, 0, 008, h8km, ML2.8/9, 2C, Southern Italy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MMN Mormanno, SALB San Lorenzo Be, etc.

2054

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SALB, ORI Oriolo Calabro, CET2, MGR Morigerati, etc.

IDC 30 16:22:59.0, 1.7, 1, 15N, 127, 20E, h0km, mb3.7/4, mb1.4/0.5, mb1mx3.5/63, mbtmp3.8/5, ML3.5/1, Error ellipse: s-maj=117.4km s-min=20.6km az=69.0, Halmahera

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

MEX 30 16:26:17.3, 0.6, 18, 12N, 103, 32W, h5km, MD3.8, Near coast of Michoacan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MMIG Aquila, EZSV, CJM, SFJM, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SFJM, MOIG, ARIG, etc.

NIED 30 16:30:00.38.90N.142.10E, h47km, Mw3.7 Best double couple: M3.40000.1014 NP1.188.00000.822.00000.172.00000. NP2.267.00000.869.00000.197.00000.

ISC 30 16:30:47.51.4.38.98N.142.50E, h0km, mb4.0/8, mb1.3/9.1, mb1mx3.6/7.1, mbtmp3.9/11, ML3.4/3, MS3.0/5, Ms1.3/0.5, ms1mx2.5/6.8, Error ellipse: s-maj=38.8km s-min=20.7km az=87.0

ISCJB 30 16:30:53.9.0.9.38.87N.0.04.142.11E:0.09, h53km, 5km, mb4.0/11, MS3.4/3, Error ellipse: s-maj=12.9km s-min=5.9km az=20.6

JMA 30 16:30:55.0.0.1.38.86N.142.05E, h46km, 1km, M3.8

NEIC 30 16:30:55.8.1.2.38.83N.142.17E, h58km, 2km, mb4.5/1, Error ellipse: s-maj=21.6km s-min=9.1km az=120.0

ISC 30 16:30:53.5.1.0.38.80N.0.05.142.23E:0.09, h35km, 4km, n38, e157/38, mb3.9/11, MS3.6/3, Near east coast of eastern Honshu

Main table for 2055 with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OFLU, JIO, JMK, etc.

ISC 30 16:47:31.5.1.0.38.66N.43.05E, h0km, mb3.7/10, mb1.3/8.1, mb1mx3.6/5.9, mbtmp3.8/13, ML3.3/3, MS2.8/5, Ms1.2/8.5, ms1mx2.4/6.2, Error ellipse: s-maj=15.5km s-min=15.3km az=26.0

ISCN 30 16:47:32.1.1.6.38.56N.43.12E, h5km, 5km, ML3.7

DDA 30 16:47:32.8.38.66N.43.16E, h6km, MI3.7

ISC 30 16:47:32.8.38.66N.43.15E, h4km, ML3.7/12

CSEM 30 16:47:33.1.0.1.38.66N.43.17E, h2km, ML3.7, Error ellipse: s-maj=3.7km s-min=3.1km az=129.0

ISCJB 30 16:47:33.2.0.3.38.66N.0.02.43.16E:0.02, h11km, 3km, mb3.6/8, MS3.1/2, Error ellipse: s-maj=3.7km s-min=3.2km az=159.2

ISC 30 16:47:33.6.0.9.38.66N.0.02.43.16E:0.02, h10km, 6km, n99, e117/17, mb3.7/8, 3C-8D, Turkey

Table for 2055 continuation with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VANB, TVAN, GEVA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SRTM, HAKT, HAKK, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SRTM, HAKT, HAKK, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NAX, GNI, GNS, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like QZX, PTK, PTK, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GANJ, URFA, URFA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASF, EIL, GEYT, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AKAS, ARU, ARU, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MKAR, EKA, TORD, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CMAR, NEW, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CGJI, WRAB, WRA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA, WBA, GUMO, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KASI, LWLI, AS31, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASAR, ASO1, STKA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KSAR, KSRS, KSRS, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MJAR, USRK, ASAJ, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KLR, SONM, SONM, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SONM, SONA, PETK, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MK01, MKAR, MKAR, etc.



Table with columns: BGF, Bois d'Agland, 3.25 305 eP, Pn, 16 52 17.4 +2.3, etc.

IDC 30 16:55:20.7:65.0,20.75S:178.77E,h0km,mb3.7/3, mb1 3.8/3,mb1mx3.4/0.5,mbtmp3.7/3, Error ellipse: s-maj=1159.0km s-min=152.7km az=81.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

IDC 30 17:01:25.4:2.5, 17.52S:177.88W, h0km, mb3.9/5, mb1 4.3/5,mb1mx3.7/4.9,mbtmp3.9/5, Error ellipse: s-maj=213.2km s-min=22.8km az=155.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

IDC 30 17:01:52.9:1.3, 24.69N:123.49E, h0km, mb3.8/5, mb1 4.1/5,mb1mx3.4/7.2,mbtmp3.9/5,MS3.4/5,Ms1 3.4/5, ms1mx2.8/5.9, Error ellipse: s-maj=38.2km s-min=29.2km az=78.0

ISCJB 30 17:01:54.0:0.9, 24.65N:0108.123:25E:0.03, h20km,6km, mb3.8/5,MS3.4/5, Error ellipse: s-maj=13.8km s-min=4.7km az=175.1

JMA 30 17:01:54.4:0.1, 24.68N:123.25E, h14km,3km, M3.4

ISC 30 17:01:54.1:1.9, 24.63N:010:123:24E:0.06, h8km,13km, n18, c083/21, mb3.8/5, MS3.5/5, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

ISCJB 30 17:06:34.8:0.4, 67.05N:02:21.03E:0.07, h0km, Error ellipse: s-maj=4.1km s-min=2.6km az=179.6

CSEM 30 17:06:35.9:0.3, 67.07N:21.01E, h2km, ML2.1, Error ellipse: s-maj=6.3km s-min=4.6km az=82.0, Mining explosion

HEL 30 17:06:35.8:0.2, 67.04N:20.93E, h0km, ML2.1 (UPP), Explosion

UPP 30 17:06:35.3:0.2, 67.05N:21.02E, h0km, ML2.1

IDC 30 17:06:36.2:0.9, 67.00N:21.36E, h0km, mb1 2.9/4, mb1mx2.8/6.8,mbtmp2.9/4,ML2.4/4, Error ellipse: s-maj=19.1km s-min=8.7km az=111.0

ISC 30 17:06:35.6:0.8, 67.06N:02:20.91E:0.03, h0km, n55, c111/87, Sweden

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

Table with columns: LILU, Lilltraesk, 1.83 194 eP, S, 17 07 33.7 +0.5, etc.

ARCES ARCESS Array B 3.02 32 Pn 17 08 03.3 +1.9

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

ISCJB 30 17:21:16.6:0.6, 3.35N:0:07:88:39E:0:06, h10km, mb4.4/2.1, MS3.4/7, Error ellipse: s-maj=10.3km s-min=7.2km az=32.6

IDC 30 17:21:17.0:0.8, 3.41N:88:30E, h0km, mb4.1/1.4, mb1 4.3/17,mb1mx3.9/69,mbtmp2.4/17,ML4.4/3,MS3.4/7, Ms1 3.4/7,ms1mx2.9/60, Error ellipse: s-maj=26.3km s-min=14.7km az=99.0

NEIC 30 17:21:18.2:0.5, 3.35N:88:29E, h10km, mb4.8/8, Error ellipse: s-maj=12.2km s-min=6.6km az=211.0

ISC 30 17:21:18.6:0.8, 3.5N:0:1:88:34E:0:08, h10km, n69, c1920/58, mb4.5/25, MS3.3/7, North Indian Ocean

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

BELO BELONIA 19.91 8 eP Pn 17 25 51.7 -0.4

AZL Aizawl 20.60 11 eP Pn 17 25 59.6 -0.8

LEM Lembang 21.78 118 P P 17 26 11.6 +0.5

TURI Tura 22.06 5 eP Pn 17 26 14.0 +0.3

SHL Shillong 22.25 8 eP Pn 17 26 15.0 -1.0

BHPL Bhopal 22.33 333 eP Pn 17 26 14.7 -2.0

GUWA GUWAHATI 22.84 8 eP Pn 17 26 22.8 +0.7

ZIRO ZIRO 24.51 12 eP Pn 17 26 38.8 +0.2

LKP Lekhapani 25.04 149 eP Pn 17 26 40.4 -0.6

LSA Lhasa 26.24 6 eP Pn 17 26 54.4 +1.8

NIL Nilore 33.18 337 eP Pn 17 27 56.6 +1.0

Table with columns: ENH Enshi, 33.34 35 eP, P, 17 27 57.0 -0.1, etc.

AAK Ala-Archa 40.93 344 eP P 17 29 03.0 +1.5

WRAB Tennant Creek 50.80 119 eP P 17 30 19.1 -0.6

KMBO Kilima Mbogo 51.27 266 P P 17 30 23.8 +0.3

ASAR Alice Springs 51.91 124 P P 17 30 25.0 -1.1

FINES FINES Array B 74.00 334 P P 17 32 53.4 -0.8

VNDA Vindabyen 89.81 168 LR LR 18 11 15.9

TXAR Lajitas Array 145.43 19 PKPbc PKPbc 17 40 57.2 -0.5

MDD 30 17:22:30.0:3.6, 35.18N:2:28E, h0km, mb4.1/5, Error ellipse: s-maj=35.1km s-min=19.4km az=148.0, PRXIMO

CSEM 30 17:22:30.0, 35.18N:2:28E, h0km, mb4.1/5

CRAAG 30 17:22:31.2, 35.36N:1:88E, ML2.7

ISCJB 30 17:22:32.1, 35.45N:0:10:2:04E:0:08, h10km, Error ellipse: s-maj=14.4km s-min=8.5km az=159.5

ISC 30 17:22:33.2:1.1, 35.45N:0:11:20E:0:07, h10km, n16, c1905/26, Northern Algeria

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

IDC 30 17:32:16.3:0.8, 18:60N:146:57E, h0km, mb3.8/1.4, mb1 4.0/15,mb1mx3.8/7.0,mbtmp3.8/15,ML3.8/1,MS2.9/3, Ms1 3.0/3,ms1mx2.5/5.5, Error ellipse: s-maj=27.3km s-min=16.7km az=93.0

NEIC 30 17:32:17.9:0.7, 18:63N:146:60E, h10km, mb4.3/2, Error ellipse: s-maj=26.5km s-min=11.2km az=93.0

ISCJB 30 17:32:23.0:0.7, 18:59N:0:105:146:5E:0:2, h64km, mb3.8/1.6, Error ellipse: s-maj=22.2km s-min=7.4km az=5.2

ISC 30 17:32:24.7:0.8, 18:59N:0:108:146:5E:0:2, h64km, n22, c1801/20, mb3.9/16, Mariana Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.









Table with columns: SCITE, Santa Cesarea, 1.02 267, P, Pb, 19 47 107. -0.3, etc.

MAN 30 19:50:27.5, 9.61N, 125.68E, h20km, mb3.7, ML2.4, MS1.9, Mindanao

NNC 30 20:08:54.7-4.1, 36.92N-70.90E, h0km, mb3.7, mpv3.3, 4C-2D, Error ellipse: s-maj=42.1km s-min=29.0km

INMG 30 20:09:07.7-0.9, 37.19N-13.00W, h0km, 14km, ML2.1, Error ellipse: s-maj=23.7km s-min=4.9km az=76.0

Code Station Name Δ° AZ° Phase ID ISC h m s ISC Time Res

PFVI Vila Bisbo 2.90 94 eSn Sn 20 10 31.1 +1.3

MORF Marletele 3.02 91 ePn Pn 20 09 57.6 +0.9

MESJ Messejana 3.38 81 ePn Pn 20 10 01.9 +0.4

ALMR Almeirim 3.51 59 ePn Pn 20 10 04.2 +0.9

EVO Evora 3.68 71 eSn Sn 20 10 49.4 +0.4

PVAQ Vaqueiros 3.76 89 ePn Pn 20 10 06.7 -0.1

EBAD Badajoz 4.49 71 P Pn 20 10 16.8 -0.1

PCBR Castelo Branco 4.58 56 ePn Pn 20 10 18.8 +0.7

POLO Lamas de Olo 5.35 41 eSn Sn 20 11 29.6 -0.9

BUI 30 20:12:38.1, 1.788N, 96.41E, h10km, mb4.7/28, mb4.9/18, Ms4.3/5, Ms7.4/0.4

MOS 30 20:12:45.1, 1.0, 2.2, 2.7N, 96.23E, h33km, mb4.7/19, Error ellipse: s-maj=13.1km s-min=7.5km az=88.7

Code Station Name Δ° AZ° Phase ID ISC h m s ISC Time Res

PSI Prapat 2.64 79 Pn Pn 20 13 28.5 +1.3

CMAR Chiang Mai Arr 16.25 9 Pn Pn 20 16 32.8 +0.1

CHTO Chiang Mai 16.60 9 eP Pn 20 16 36.8 -0.4

SAIH SAHA 20.32 351 eP Pn 20 17 21.7 -0.8

KMI Kunming 23.50 15 P pmax 20 17 56.0 +1.7

SHL Shilong 23.51 350 eP Pn 20 17 52.8 -1.5

TEZP TEZPUR 24.40 352 eP Pn 20 18 01.7 -0.7

LKP Lekhapani 24.88 359 eP P 20 18 06.6 -0.2

H08S2 Diego Garcia H 25.75 247 T T 20 44 54.3

JIRN Jiri 27.20 340 eP P 20 18 27.2 +0.8

GUN Gumba 27.34 340 eP P 20 18 30.0 +0.6

DDI Dehra Dun 32.80 330 eP P 20 19 14.8 -2.6

GTA Gaotai 37.06 4 Pp pP 20 19 53.0 -0.6

GTA comp=Z,1.1nm,1.3s pmax pmax 20 20 01.1 -0.2

ASAR Alice Springs 44.76 127 P P 20 20 57.6 0.0

ULN Ulanbaatar 46.31 10 eP P 20 21 11.1 +1.4

DGZ Jazzator, Alta 47.82 352 i P P 20 21 23.2 +1.8

HVS Khovu-Aksy 48.70 358 i P P 20 21 30.8 +2.7

MAJO Matsushiro 51.47 43 i P P 20 21 48.8 -0.6

USRK Ussuriysk Arr 52.28 32 P P 20 21 55.4 +0.1

NVS Novosibirsk 53.44 351 eP P 20 22 03.2 -0.3

SVKA Stephen Creek 54.74 132 P P 20 22 13.6 0.0

GNJ Garni 59.89 316 i P P 20 22 48.5 -1.4

YSS Yuz-Sakhalins 59.93 35 P P 20 22 50.4 +0.6

YAK Yakutsk 64.61 17 eP P 20 23 20.4 -0.5

BRTR Keskin Array B 67.72 312 P P 20 23 40.1 -1.4

MA2 Magadan 70.72 26 eP P 20 24 00.1 +0.6

TIXI Tiksi 72.25 10 eP P 20 24 07.6 -0.8

SEY Seymchan 73.09 23 P P 20 24 13.8 +0.2

ARCES ARCESS Array B 81.20 340 P P 20 24 59.7 +0.6

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GERES, HFS, TXAR, CPUP.

Station details for IDC 30:20:29.56,0.2,9,3,4,7S; 135:19E, h0km, mb5.5/2. Includes station names like SJIJ, WRA, ASAR, MKAR.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KSH, SFK, SFK, ULHL.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KZA, UCH, AML, KBK.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AAK, AAK, AAK, AAK.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AAK, AAK, AAK, AAK.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AAK, AAK, AAK, AAK.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AAK, AAK, AAK, AAK.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AAK, AAK, AAK, AAK.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AAK, AAK, AAK, AAK.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AAK, AAK, AAK, AAK.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AAK, AAK, AAK, AAK.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AAK, AAK, AAK, AAK.

Table with columns: TGIF, Time, Res. Includes station names like SJIJ, WRA, ASAR, MKAR.

Station details for MOS 30:20:34.13,5.0,7,52,97N; 159:41E, h84km, mb4.2/1. Error ellipse: s-maj=12.8km s-min=4.9km az=82.0.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NLC, NLC, NLC, NLC.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NLC, NLC, NLC, NLC.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NLC, NLC, NLC, NLC.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NLC, NLC, NLC, NLC.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NLC, NLC, NLC, NLC.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NLC, NLC, NLC, NLC.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NLC, NLC, NLC, NLC.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NLC, NLC, NLC, NLC.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NLC, NLC, NLC, NLC.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NLC, NLC, NLC, NLC.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NLC, NLC, NLC, NLC.

Table with columns: KRKR, KRKR, KRKR, KRKR. Includes station names like Krestovskiy, Krestovskiy, Krestovskiy, Krestovskiy.

Station details for ILAR, H1N2, H1N3, H1N1. Includes station names like Eielson Array, WAKE ISLAND Hy 33.75, WAKE ISLAND Hy 33.77, WAKE ISLAND Hy 33.77.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILAR, H1N2, H1N3, H1N1.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILAR, H1N2, H1N3, H1N1.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILAR, H1N2, H1N3, H1N1.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILAR, H1N2, H1N3, H1N1.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILAR, H1N2, H1N3, H1N1.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILAR, H1N2, H1N3, H1N1.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILAR, H1N2, H1N3, H1N1.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILAR, H1N2, H1N3, H1N1.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILAR, H1N2, H1N3, H1N1.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILAR, H1N2, H1N3, H1N1.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILAR, H1N2, H1N3, H1N1.

MEX 30:20:27.16,8.0,4,14,72N; 94:43W, h16km, 72km, MD3.7, Off coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PCIG, PCIG.

Kamchatka Peninsula

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NLC, NLC, NLC, NLC.

SKHL 30:20:40.03,9.0,2,4,77N; 155:64E, h60km, 8km, mb5.1/3,

Station details for KRSC 30:20:40.04,4.2,1,48,110N; 155:30E, h85km, 42km, ML 4.0. Includes station names like Severo-Kuril's, Severo-Kuril's.

ISL 30:20:40.07,9.0,9,48,31N; 155:01E, h43km, mb4.2/2,3, Error ellipse: s-maj=11.1km s-min=5.0km az=73.2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SKR, SKR, SKR, SKR.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SKR, SKR, SKR, SKR.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SKR, SKR, SKR, SKR.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SKR, SKR, SKR, SKR.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SKR, SKR, SKR, SKR.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SKR, SKR, SKR, SKR.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SKR, SKR, SKR, SKR.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SKR, SKR, SKR, SKR.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SKR, SKR, SKR, SKR.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GRPR Tuman, GLVR Golovnino, ASAJ Asahikawa, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RAO Raoul Island, ASAR Alice Springs, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GENO Genoa, SHME Shamm, IBND Bandar-abas, etc.

Code Station Name Az Phase ID Time Res
IDC 30 20:47:41.5-4.3, 28:72S-176:36W, h76km, 33km, mb3.2/2, mb1 3.4/2, mb1mx3.1/5.1, mbtmp3.5/2, Error ellipse: s-maj=53.7km s-min=38.0km az=175.0, Kermadec Islands region

TEH 30 21:16:53.3, 26:87N-53:88E, h10km, ML3.4
IDC 30 21:16:55.6, 1.9, 27:13N-53:98E, h0km, mb3.5/5, mb1 3.7/6, mb1mx3.4/6.6, mbtmp3.6/6, ML3.4/1, Error ellipse: s-maj=44.0km s-min=26.0km az=24.0
ISCJB 30 21:16:57.5-0.5, 27:08N-0:04-53:95E-0:06, h18km, mb3.5/5, Error ellipse: s-maj=9.0km s-min=4.0km

BUJ 30 21:20:53.8, 43:47N-78:86E, h15km, mb5.3/6.8, mb5.4/4.7, ML5.7, Ms5.4/7.7, Ms7.5/3.70
MOS 30 21:20:54.2, 1.0, 43:50N-78:79E, h14km, mb5.8/10.2, MS5.2/3.8, Error ellipse: s-maj=4.4km s-min=3.5km az=41.7
MOS Felt (IV) at Almaty; (III-II) at Taldygorghan.
NMC 30 21:20:54.6, 0.5, 43:49N-78:80E, h0km, mb6.1, mpv5.8, Error ellipse: s-maj=7.9km s-min=3.1km az=175.0
IDC 30 21:20:55.8, 0.4, 43:34N-78:78E, h17km, 2km, mb5.3/5.3, mb1 5.3/6.3, mb1mx5.2/7.8, mbtmp3.6/3.6, ML4.3/9, MS4.9/5.2, Ms1.4/9.52, Ms1mx1.8/7.1, Error ellipse: s-maj=7.2km s-min=6.0km az=158.0
KRNET 30 21:20:56.0, 0.1, 43:45N-78:77E, h19km, mb6.3
ISCJB 30 21:20:55.5-0.3, 43:39N-0:01-78:80E-0:01, h24km, 1km, mb5.6/4.11, MS5.1/8.7, Error ellipse: s-maj=2.1km s-min=1.6km az=8.6
SOME 30 21:20:56.7, 43:38N-78:77E, h20km, MS5.0
NEIC 30 21:20:56.2, 1.1, 43:38N-78:75E, h17km, 7km, mb5.7/24.7, MW5.3, MW5.3, MW5.4, Error ellipse: s-maj=2.6km s-min=2.0km az=182.0 Best double couple: NP1: phi=70.00000, delta=0.00000, lambda=0.00000. NP2: phi=278.00000, delta=0.00000, lambda=1.0700000. Principal axes: t1(0.10), t2(73.00000), Azm=233.00000, N 0.00000, P1g14.00000, Azm=89.00000, P -1.06000, P1g10.00000, Azm=356.00000, Moment Tensor Solution. s37 Moment tensor: Scale 1016 Nm; Mr1=7.3; Mw=7.67; Mxx=0.34; Mxy=5.56; Mxz=2.33; My1=1.86; Best double couple: Ms=8.00000x10^16 NP1: phi=56.00000, delta=0.00000, lambda=0.00000. NP2: phi=274.00000, delta=0.00000, lambda=1.0900000. Principal axes: T 9.83000, Plg66.00000, Azm129.00000, N -0.06000, P1g17.00000, Azm86.00000, P -9.78000, P1g17.00000, Azm350.00000;
NEIC Felt [IV] at Almaty. Also felt at Talgar. Felt [III] at Bishkek, Kyrgyzstan.
GCMT 30 21:20:56.2, 0.1, 43:58N-78:78E, h27km, MW5.4/12.1, Moment Tensor Solution. s112,c179; s121,c267;









KARP	Karpathos	40.06 277	eP	P	21 28 30.0	-0.4
KARP	Karpathos	40.06 277	P	P	21 28 29.9	-0.5
BZS	Buzias	40.08 294	i/P	P	21 28 31.2	+0.8
SRS	Serrai	40.27 286	P	P	21 28 32.6	+0.5
SRS	Serrai	40.27 286	P	P	21 28 32.5	+0.5
OUR	Ouranopolis	40.30 285	P	P	21 28 31.8	-0.5
OUR	Ouranopolis	40.30 285	P	P	21 28 31.8	-0.5
OUR	Ouranopolis	40.30 285	P	P	21 28 31.8	-0.5
KKB	Krupnik	40.35 288	eP	P	21 28 32.9	+0.2
TWG	Pinlang	40.41 107	eP	P	21 28 35.2	+1.7
LANS	Liptovska Anna	40.47 300	eP	P	21 28 35.1	+1.4
LANS	Liptovska Anna	40.47 300	eP	P	21 28 35.1	+1.4
PSZ	Piszkesteto	40.53 292	i/P	P	21 28 35.3	+1.1
PSZ	Piszkesteto	40.53 298	eP	P	21 28 35.1	+0.9
PSZ	Piszkesteto	40.53 298	eP	P	21 28 35.1	+0.9
PSZ	Piszkesteto	40.53 298	eP	P	21 28 35.1	+0.9
APE	Apeiranthos	40.55 280	i/P	P	21 28 34.9	+0.4
APE	Apeiranthos	40.55 280	P	P	21 28 33.9	-0.6
APE	Apeiranthos	40.55 280	P	P	21 28 33.9	-0.6
APE	Apeiranthos	40.55 280	i/P	P	21 28 34.6	+0.1
APE	Apeiranthos	40.55 280	i/P	P	21 28 34.6	+0.1
SOH	Sokhos	40.55 286	P	P	21 28 33.5	-1.0
SOH	Sokhos	40.55 286	P	P	21 28 33.5	-1.0
SOH	Sokhos	40.55 286	P	P	21 28 33.5	-1.0
EJO	Ejornoya	40.64 309	eP	P	21 28 36.0	+1.3
PLG	Polygyros	40.66 283	P	P	21 28 35.3	-0.1
PLG	Polygyros	40.66 285	P	P	21 28 35.3	-0.1
PAIG	Paliouri	40.67 285	P	P	21 28 35.1	-0.3
PAIG	Paliouri	40.67 285	P	P	21 28 35.1	-0.3
PAIG	Paliouri	40.67 285	P	P	21 28 35.1	-0.3
KNT	Kendrikon	40.74 287	P	P	21 28 36.0	0.0
KNT	Kendrikon	40.74 287	P	P	21 28 36.0	0.0
STEI	Steigen	40.82 329	eP	P	21 28 36.7	+0.4
GKP	Gorka Klasztor	40.88 306	i/P	P	21 34 49.8	+2.5
GKP	Gorka Klasztor	40.88 306	i/P	P	21 34 49.8	+2.5
GKP	Gorka Klasztor	40.88 306	i/P	P	21 34 49.8	+2.5
GKP	Gorka Klasztor	40.88 306	i/P	P	21 34 49.8	+2.5
SKLT	Songkhla	40.88 146	P	P	21 28 36.5	-0.8
VAY	Valandovo	40.91 287	P	P	21 28 38.0	+0.7
VAY	Valandovo	40.91 287	P	P	21 28 38.0	+0.7
VAY	Valandovo	40.91 287	P	P	21 28 38.0	+0.7
SANT	Santorini	40.91 279	i/P	P	21 28 36.8	-0.7
SANT	Santorini	40.91 279	i/P	P	21 28 36.8	-0.7
KARY	Karystos	40.92 282	P	P	21 28 37.1	-0.3
ZKR	Zakros	40.94 277	P	P	21 28 37.6	-0.1
ZKR	Zakros	40.94 277	P	P	21 28 37.6	-0.1
RAC	Raciborz	41.03 301	eP	P	21 28 39.4	+1.2
RAC	Raciborz	41.03 301	eP	P	21 28 39.4	+1.2
RAC	Raciborz	41.03 301	eP	P	21 28 39.4	+1.2
VYHS	Vyhne	41.05 299	eP	P	21 28 39.2	+0.8
VYHS	Vyhne	41.05 299	eP	P	21 28 39.2	+0.8
VYHS	Vyhne	41.05 299	eP	P	21 28 39.2	+0.8
VYHS	Vyhne	41.05 299	eP	P	21 28 39.2	+0.8
MOR8	Moi Rana	41.06 326	eP	P	21 28 37.7	-0.6
DAMY	Dhamar	41.10 236	eP	P	21 28 40.7	+1.2
EREA	Eretria	41.11 282	P	P	21 28 38.9	-0.2
OKC	Ostrava-Krasne	41.12 301	eP	P	21 28 39.9	+0.9
OKC	Ostrava-Krasne	41.12 301	eP	P	21 28 39.9	+0.9
OKC	Ostrava-Krasne	41.12 301	eP	P	21 28 39.9	+0.9
OKC	Ostrava-Krasne	41.12 301	eP	P	21 28 39.9	+0.9
OKC	Ostrava-Krasne	41.12 301	eP	P	21 28 39.9	+0.9
SKIA	Skiathos	41.13 284	P	P	21 28 39.2	0.0
GRG	Griva	41.16 287	P	P	21 28 39.3	-0.2
GRG	Griva	41.16 287	P	P	21 28 39.3	-0.2
GRG	Griva	41.16 287	P	P	21 28 39.3	-0.2
XOR	Xorichti	41.24 284	P	P	21 28 39.8	-0.4
XOR	Xorichti	41.24 284	P	P	21 28 39.8	-0.4
NEO	Neokhori	41.24 284	P	P	21 28 39.7	-0.5
NEO	Neokhori	41.24 284	P	P	21 28 39.7	-0.5
SERI	Serifos	41.26 280	P	P	21 28 39.3	-1.0
LHMI	Lhok Sumawe	41.28 152	eP	P	21 28 49.8	+3.3
LHMI	Lhok Sumawe	41.28 152	eP	P	21 28 49.8	+3.3
NPS	Neapolis	41.31 277	P	P	21 28 40.2	-0.5
NPS	Neapolis	41.31 277	P	P	21 28 40.2	-0.5
NPS	Neapolis	41.31 277	P	P	21 28 40.2	-0.5
PTL	Penteli	41.32 282	P	P	21 28 40.5	-0.3
PTL	Penteli	41.32 282	P	P	21 28 40.5	-0.3
ATHU	Athens Unvers	41.41 282	P	P	21 28 40.3	-1.2
ATHU	Athens Unvers	41.41 282	P	P	21 28 40.3	-1.2
SMIA	Smia	41.43 283	P	P	21 28 42.2	+0.5
LIT	Litokhoron	41.44 285	eP	P	21 28 41.6	-0.2
LIT	Litokhoron	41.44 285	eP	P	21 28 41.6	-0.2
LIT	Litokhoron	41.44 285	eP	P	21 28 41.6	-0.2
VLY	Voula,Athens	41.45 282	P	P	21 28 41.8	-0.1
VLY	Voula,Athens	41.45 282	P	P	21 28 41.8	-0.1
LAST	Lastithi	41.45 277	P	P	21 28 41.8	-0.2
LAST	Lastithi	41.45 277	P	P	21 28 41.8	-0.2
LOF	Lofoten	41.47 329	eP	P	21 28 41.3	-0.3
MORC	Moravsky Berou	41.51 301	i/P	P	21 28 43.3	+1.0
MORC	Moravsky Berou	41.51 301	i/P	P	21 28 43.3	+1.0
MORC	Moravsky Berou	41.51 301	i/P	P	21 28 43.3	+1.0
MORC	Moravsky Berou	41.51 301	i/P	P	21 28 43.3	+1.0
MORC	Moravsky Berou	41.51 301	i/P	P	21 28 43.3	+1.0
SROZ	Moca	41.54 298	eP	P	21 28 42.6	+0.2
SROZ	Moca	41.54 298	eP	P	21 28 42.6	+0.2
KAT	Katatsue	41.58 96	LR	LR	21 47 13.5	
JONS	Konsvik	41.60 327	eP	P	21 28 43.1	+0.4
VILL	Villia	41.66 282	P	P	21 28 42.8	-0.8
VILL	Villia	41.66 282	P	P	21 28 42.8	-0.8
DKR	Lokris	41.68 283	P	P	21 28 42.8	-0.9
LKR	Lokris	41.68 283	P	P	21 28 42.8	-0.9
HFS	Hagfors	41.71 317	eP	P	21 28 43.7	0.0
HFS	Hagfors	41.71 317	eP	P	21 28 43.7	0.0
ANI	Anoia	41.82 278	P	P	21 28 44.1	-0.9
ANI	Anoia	41.82 278	P	P	21 28 44.1	-0.9
ANI	Anoia	41.82 278	P	P	21 28 44.1	-0.9
ANI	Anoia	41.82 278	P	P	21 28 44.1	-0.9
ANI	Anoia	41.82 278	P	P	21 28 44.1	-0.9
BSD	Bornholm Skovb	41.84 309	i/P	P	21 28 44.3	-0.5
BSD	Bornholm Skovb	41.84 309	i/P	P	21 28 44.3	-0.5
BSD	Bornholm Skovb	41.84 309	i/P	P	21 28 44.3	-0.5
BSD	Bornholm Skovb	41.84 309	i/P	P	21 28 44.3	-0.5
BSD	Bornholm Skovb	41.84 309	i/P	P	21 28 44.3	-0.5
KZN	Kozani	41.86 286	P	P	21 28 44.8	-0.5
KZN	Kozani	41.86 286	P	P	21 28 44.8	-0.5
KZN	Kozani	41.86 286	P	P	21 28 44.8	-0.5
AXAR	Agios Charalam	41.87 284	P	P	21 28 46.2	+0.9
AXAR	Agios Charalam	41.87 284	P	P	21 28 46.2	+0.9
KRLC	Kraljky	41.91 302	eP	P	21 28 46.4	+0.9
KRLC	Kraljky	41.91 302	eP	P	21 28 46.4	+0.9
FNA	Florina	41.95 287	eP	P	21 28 45.9	-0.1
FNA	Florina	41.95 287	eP	P	21 28 45.9	-0.1
LTK	Loutlaki	41.97 282	P	P	21 28 44.9	-1.2
LTK	Loutlaki	41.97 282	P	P	21 28 44.9	-1.2
THL	Thokotos Trika	41.99 285	P	P	21 28 45.2	-1.0
AGG	Agios Georgios	41.99 284	eP	P	21 28 46.2	-0.1
AGG	Agios Georgios	41.99 284	eP	P	21 28 46.2	-0.1
AGG	Agios Georgios	41.99 284	eP	P	21 28 46.2	-0.1
AGG	Agios Georgios	41.99 284	eP	P	21 28 46.2	-0.1
AGG	Agios Georgios	41.99 284	eP	P	21 28 46.2	-0.1

AGG	Agios Georgios	41.99 284	eP	P	21 28 46.2	-0.1
AGG	Agios Georgios	41.99 284	eP	P	21 28 46.2	-0.1
KSP	Ksiaz	42.01 303	i/P	P	21 28 46.9	+0.7
KSP	Ksiaz	42.01 303	i/P	P	21 28 46.9	+0.7
SIVA	Sivas	42.01 277	P	P	21 28 46.2	-0.2
SIVA	Sivas	42.01 277	P	P	21 28 46.2	-0.2
MODS	Modra-Piesok	42.08 299	eP	P	21 28 47.0	+0.1
MODS	Modra-Piesok	42.08 299	eP	P	21 28 47.0	+0.1
MODS	Modra-Piesok	42.08 299	eP	P	21 28 47.0	+0.1
MODS	Modra-Piesok	42.08 299	eP	P	21 28 47.0	+0.1
MODS	Modra-Piesok	42.08 299	eP	P	21 28 47.0	+0.1
DSF	Desfina	42.11 283	P	P	21 28 46.5	-0.8
DSF	Desfina	42.11 283	P	P	21 28 46.5	-0.8
DSF	Desfina	42.11 283	P	P	21 28 46.5	-0.8
DOB	Dobruska-Polom	42.12 302	eP	P	21 28 44.1	+1.2
DOB	Dobruska-Polom	42.12 302	eP	P	21 28 44.1	+1.2
DOB	Dobruska-Polom	42.12 302	eP	P	21 28 44.1	+1.2
DOB	Dobruska-Polom	42.12 302	eP	P	21 28 44.1	+1.2
DOB	Dobruska-Polom	42.12 302	eP	P	21 28 44.1	+1.2
NSS	Namsos	42.13 324	eP	P	21 28 46.5	-0.6
HSPB	Hornsund (broa	42.16 342	eP	P	21 28 48.3	+1.2
IVA	Berane	42.17 290	eP	P	21 28 48.4	+1.0
PVT	Pravet	42.23 290	i/P	P	21 28 48.9	+0.6
VRAC	Vranov	42.24 301	i/P	P	21 28 48.3	+1.0
ZST	Bratislava	42.24 299	eP	P	21 28 48.2	0.0
ZST	Bratislava	42.24 299	eP	P	21 28 48.2	0.0
ZPH	Peshkopia	42.24 289	P	P	21 28 48.0	-0.4
ZPH	Peshkopia	42.24 289	P	P	21 28 48.0	-0.4
ZPH	Peshkopia	42.24 289	P	P	21 28 48.0	-0.4
VAM	Vamos	42.26 278	P	P	21 28 47.3	-1.2
VAM	Vamos	42.26 278	P	P	21 28 47.3	-1.2
VAM	Vamos	42.26 278	P	P	21 28 47.3	-1.2
VAM	Vamos	42.26 278	P	P	21 28 47.3	-1.2
VAM	Vamos	42.26 278	P	P	21 28 47.3	-1.2
UPC	Uptic	42.27 302	eP	P	21 28 49.5	+1.1
UPC	Uptic	42.27 302	eP	P	21 28 49.5	+1.1
UPC	Uptic	42.27 302	eP	P	21 28 49.5	+1.1
UPC	Uptic	42.27 302	eP	P	21 28 49.5	+1.1
UPC	Uptic	42.27 302	eP	P	21 28 49.5	+1.1
KPRO	Kipourio	42.29 286	P	P	21 28 48.0	-0.8
SPA0	Spitsbergen Ar	42.29 344	eP	P	21 28 50.8	+2.5
SPA0	Spitsbergen Ar	42.29 344	eP	P	21 28 50.8	+2.5
SPA0	Spitsbergen Ar	42.29 344	eP	P	21 28 50.8	+2.5
SPA0	Spitsbergen Ar	42.29 344	eP	P	21 28 50.8	+2.5
SPA0	Spitsbergen Ar	42.29 344	eP	P	21 28 50.8	+2.5
PLE	Piljevija	42.35 291	i/P	P	21 28 49.3	0.0
KALE	Kalitheia	42.40 283	P	P	21 28 48.9	-0.8
KALE	Kalitheia	42.40 283	P	P	21 28 48.9	-0.8
KALE	Kalitheia	42.40 283	P	P	21 28 48.9	-0.8
KALE	Kalitheia	42.40 283	P	P	21 28 48.9	-0.8
KALE	Kalitheia	42.40 283	P	P	21 28 48.9	-0.8
EVRE	Ervrytania	42.41 284	P	P	21 28 49	



2069

Table with columns: Name, Description, Value, Unit, Status, Date, and other details. Includes entries like MTE Manteigas, PVIS Visu, PTO Porto, etc.

2012 MAY

Table with columns: Name, Description, Value, Unit, Status, Date, and other details. Includes entries like PPLA Purkeypyle, FAKI Fak Faka, TRF Thorofare Moun, etc.

30d 21h

Table with columns: Name, Description, Value, Unit, Status, Date, and other details. Includes entries like COEN Coen, BBB Bella Bella, FFC Filin Fion, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BCP1, PTBC, RUSC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BZWR, KIRR, KIRR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NKL, NKL, NKL, etc.

MEX 30 21:21:01.7±0.5, 16:10N:97.48W, h22km, 33km, MD3.9, Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VHO, VHO, VHO, etc.

KRSC 30 21:22:28.2±0.9, 54:43N:161.96E, h46km, 11km, ML5.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VHO, VHO, VHO, etc.

NEIC 30 21:22:32.8±0.4, 54:74N:161.39E, h50km, 4km, mb5.2/241

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MKZ, MKZ, MKZ, etc.

ISC 30 21:22:29.3±0.3, 54:51N:161.71E, 0.003, h26km, 2km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MKZ, MKZ, MKZ, etc.

I44RU baz=70, slow=24, SNR=0.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PEAO, PEAK, PETK, etc.

AKUT Akutan 18.88 78 eP Pn 21 26 50.8 +2.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AKUT, KLR, KLR, etc.



30d 21h

Table with columns: KDAK, comp-Z, 21.7s, 25.30, 64, LR, LR, 21 37 31.9, etc. Lists various locations and their associated data points.

2012 MAY

Table with columns: Gaotai, 43.41, 276, eP, P, 21 30 29.5, etc. Lists various locations and their associated data points.

2072

Table with columns: HRY, 52.10, 60, eP, P, 21 31 38.3, etc. Lists various locations and their associated data points.

2073

JLU	baz=317,SNR=15	56.56	66	eP	P	21 32 11.5 +1.9
TPNV	comp=Z,37nm,1.3s	56.57	72	eP	P	21 32 11.2 +1.6
TPNV	Topopah Spring	56.57	72	eP	P	21 32 11.2 +1.6
TPNV	comp=Z,34nm,1.1s	56.58	73	P	P	21 32 11.0 +1.6
FURC	Furnace Creek, baz=317	56.59	67	eP	P	21 32 12.2 +1.7
NLUC	North Lily Min	56.74	293	P	P	21 32 14.5 +3.7
KSH	Kashi	56.74	293	P	P	21 32 14.5 +3.7
KSH	comp=Z,43nm,1.1s	56.74	293	P	P	21 32 14.5 +3.7
KSH	comp=Z,130nm,4.5s	56.74	293	P	P	21 32 14.5 +3.7
KSH	comp=Z,530nm,10.3s	56.74	293	P	P	21 32 14.5 +3.7
KSH	comp=Z,400nm,11.1s	56.74	293	P	P	21 32 14.5 +3.7
PSUT	Pine Spring	56.75	69	eP	P	21 32 12.8 +1.9
SCRZ	Santa Cruz Isl	56.81	77	P	P	21 32 12.2 +1.0
LRMC	Laurel Mtn Rad	56.83	74	P	P	21 32 12.5 +1.1
MPU	Maple Canyon	56.88	66	eP	P	21 32 13.8 +2.0
EDWZ	comp=Z,44nm,1.1s	57.09	75	P	P	21 32 14.5 +1.3
ULM	Lac du Bonnet	57.16	48	eP	P	21 32 13.8 +0.4
ULM	comp=Z,17nm,0.9s, baz=306,slow=6.6,SNR=15	57.16	48	eP	P	21 32 13.8 +0.4
ULM	Lac du Bonnet	57.16	48	eP	P	21 32 13.8 +0.4
ULM	comp=Z,33nm,1.1s	57.24	52	eP	P	21 32 14.9 +0.9
MDND	Maddock	57.24	52	eP	P	21 32 15.3 +1.3
MDND	Maddock	57.24	52	eP	P	21 32 15.3 +1.3
MDND	Shoshone, Teco	57.31	73	P	P	21 32 16.0 +1.3
DECC	Green Verdugo	57.36	76	P	P	21 32 16.5 +1.4
SNCC	San Nicolas Is	57.42	77	P	P	21 32 16.8 +1.3
GSC	Goldstone, Bar	57.45	74	P	P	21 32 17.0 +1.2
GSC	Goldstone, Bar	57.45	74	P	P	21 32 17.2 +1.4
GSC	Goldstone, Bar	57.45	74	P	P	21 32 17.2 +1.4
GSC	comp=Z,30nm,0.9s	57.49	72	eP	P	21 32 17.8 +1.6
SHPR	Sheep Range	57.53	75	eP	P	21 32 18.1 +1.6
MWC	Mount Wilson	57.53	75	eP	P	21 32 18.1 +1.6
MWC	Mount Wilson	57.53	75	eP	P	21 32 18.1 +1.6
MWC	comp=Z,31nm,0.9s	57.55	50	P	P	21 32 16.6 +0.5
A31A	Linda, St. Vin	57.55	50	P	P	21 32 16.6 +0.5
AKTO	Aktubinsk	57.57	313	LR	LR	21 59 05.4
TMUT	Trail Mountain	57.62	67	eP	P	21 32 19.1 +1.9
K22A	Casper	57.65	61	P	P	21 32 17.5 +0.4
K22A	Casper	57.65	61	P	P	21 32 18.9 +1.7
RRX	Edison Barstow	57.66	74	P	P	21 32 18.7 +1.5
MSU	Marysvale	57.67	68	eP	P	21 32 19.7 +2.2
MSU	Marysvale	57.67	68	eP	P	21 32 19.7 +2.2
B31A	Greenbush Farm	57.71	51	P	P	21 32 18.0 +0.7
CCUT	Cedar City	57.72	69	P	P	21 32 19.8 +2.0
P17A	Butcher Ranch,	57.75	66	eP	P	21 32 19.8 +1.8
BFSC	Mount Baldy Ra	57.75	75	P	P	21 32 29.9 +0.7
RSSD	Black Hills	57.83	58	P	P	21 32 18.9 +0.4
RSSD	Black Hills	57.83	58	P	P	21 32 19.3 +0.8
RSSD	Black Hills	57.83	58	P	P	21 32 19.3 +0.8
RSSD	comp=Z,52nm,0.9s	57.83	58	P	P	21 32 19.3 +0.8
SZCU	Shurtz Canyon	57.84	69	eP	P	21 32 20.6 +1.9
SZCU	TUQ	57.85	73	P	P	21 32 30.5 +0.6
TUQ	Turquoise Moun	57.85	73	P	P	21 32 19.9 +1.3
A32A	Rocking H Ranc	57.87	50	P	P	21 32 18.8 +0.4
Q16A	Castle Valley	57.92	67	eP	P	21 32 21.3 +2.2
CIS	Catalina Islan	57.94	76	P	P	21 32 20.0 +0.9
MTPU	Mount Pierson	58.01	68	eP	P	21 32 22.3 +2.3
HEC	Hector, Ludlow	58.06	74	P	P	21 32 21.3 +1.2
SRU	San Rafael Swe	58.12	66	eP	P	21 32 22.1 +1.5
SRU	San Rafael Swe	58.12	66	eP	P	21 32 22.1 +1.5
SRU	comp=Z,40nm,1.1s	58.12	66	eP	P	21 32 22.1 +1.5
C31A	Landman Farms,	58.14	51	P	P	21 32 20.7 +0.4
LBRC	Big Bear Solar	58.15	75	P	P	21 32 21.9 +1.0
CMCT	Little Creek M	58.18	70	eP	P	21 32 23.0 +2.1
B32A	Ashes, Strandq	58.23	50	P	P	21 32 21.3 +0.3
A33A	Wardwood	58.34	49	P	P	21 32 21.9 +0.2
KNB	Kanab	58.41	70	eP	P	21 32 24.8 +2.2
KNB	Kanab	58.41	70	eP	P	21 32 24.8 +2.2
KNB	comp=Z,29nm,1.1s	58.41	70	eP	P	21 32 24.8 +2.2
GMRC	Granite Mounta	58.47	73	P	P	21 32 24.1 +1.1
MURC	Murrieta	58.48	75	P	P	21 32 24.0 +1.0
LDFC	Landfair	58.56	73	eP	P	21 32 24.3 +0.7
O20A	White River Ci	58.59	64	P	P	21 32 24.7 +0.9
O20A	White River Ci	58.59	64	P	P	21 32 25.2 +1.4
AGMM	Agassiz Nation	58.61	50	eP	P	21 32 23.9 +0.3
C32A	Crookston	58.66	51	P	P	21 32 24.2 +0.2
D31A	McClaffin, Tow	58.70	52	P	P	21 32 24.5 +0.3
B33A	Robert and Kas	58.75	50	P	P	21 32 24.8 +0.2
BELC	Belle Mtn, Jos	58.86	74	P	P	21 32 26.3 +0.6
PFO	Pinyon Flats O	58.88	75	eP	P	21 32 26.4 +0.5
PFO	Pinyon Flats O	58.88	75	eP	P	21 32 27.1 +1.2
PFO	comp=Z,11nm,1.1s	58.88	75	eP	P	21 32 27.1 +1.2
D32A	Dogwood Acres,	58.95	51	P	P	21 32 26.3 +0.3
E31A	Nome	58.98	52	P	P	21 32 26.3 +0.1
B34A	Aery, Baudette	59.00	49	P	P	21 32 26.2 -0.1
NEE2	Needles Airpor	59.06	73	P	P	21 32 27.7 +0.7
CHT0	Chiang Mai	59.12	259	eP	P	21 32 27.2 -0.4
CHT0	Chiang Mai	59.12	259	eP	P	21 32 27.2 -0.4

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U15A	comp=Z,13nm,0.7s	59.13	70	eP	P	21 32 29.6 +1.8
FINES	North Rim	59.20	307	P	P	21 32 26.2 -1.2
IRM	Iron Mountain	59.22	73	P	P	21 32 29.4 +1.3
N23A	Red Feather La	59.22	62	P	P	21 32 29.2 +0.9
N23A	Red Feather La	59.22	62	P	P	21 32 29.9 +1.6
W13A	Hualapai Mount	59.23	72	eP	P	21 32 29.8 +1.4
PV09	Paradox Valley	59.31	66	eP	P	21 32 30.8 +1.7
F31A	Hecla	59.33	53	P	P	21 32 28.6 0.0
CM31	Chiang Mai Arr	59.41	259	eP	P	21 32 30.4 +1.0
CMAR	Chiang Mai Arr	59.41	259	eP	P	21 32 30.0 +0.5
CMAR	comp=Z,12nm,0.9s, baz=25,slow=7.1,SNR=19	59.41	259	eP	P	21 32 30.0 +0.5
BC3	Big Chuckawall	59.42	74	P	P	21 32 30.4 +0.8
D33A	AnnSam, Waubun	59.48	51	P	P	21 32 29.6 -0.1
B35A	Bob, Littlefor	59.50	49	P	P	21 32 29.6 -0.2
PV04	Paradox Valley	59.51	66	eP	P	21 32 31.8 +1.6
C34A	RKJ Ranch, Bem	59.52	50	P	P	21 32 41.4 -0.1
PV07	Paradox Valley	59.62	66	eP	P	21 32 32.4 +1.4
PV05	Paradox Valley	59.64	66	eP	P	21 32 32.5 +1.3
PDMCI	Parker Dam, Lak	59.67	73	P	P	21 32 32.1 +0.9
SWSC	Sam W. Stewart	59.75	75	P	P	21 32 32.2 +0.5
PV15	Paradox Valley	59.77	66	eP	P	21 32 33.6 +1.4
IKP	In-Ko-Pah, Jac	59.79	75	P	P	21 32 32.8 +0.7
D34A	Par Rapids	59.81	50	P	P	21 32 31.8 -0.1
F32A	Veblen	59.85	52	P	P	21 32 31.9 -0.3
Y12C	Blythe	59.87	73	P	P	21 32 33.4 +0.9
Y12C	Blythe	59.87	73	P	P	21 32 34.4 +1.9
PV01	Paradox Valley	59.88	66	eP	P	21 32 34.8 0.0
E33A	Westby DABS, E	59.89	51	P	P	21 32 32.8 +0.3
C35A	Jirik Farms, M	59.89	49	P	P	21 32 32.2 -0.2
SMCO	Snowmass	59.95	64	eP	P	21 32 34.6 +1.1
SUSD	Miller	60.06	55	P	P	21 32 33.7 0.0
G32A	Webster	60.14	53	P	P	21 32 34.3 +0.1
ISCO	Idaho Springs	60.20	62	eP	P	21 32 36.8 +1.7
ISCO	Idaho Springs	60.20	62	eP	P	21 32 36.8 +1.7
ISCO	comp=Z,29nm,1.1s	60.22	74	P	P	21 32 36.3 +1.4
GLA	Glamis	60.22	74	P	P	21 32 36.5 +1.5
GLA	Glamis	60.22	74	P	P	21 32 36.5 +1.5
GLA	Glamis	60.22	74	P	P	21 32 36.5 +1.5
F33A	5 Mile Ranch,	60.26	52	P	P	21 32 35.2 +0.2
E34A	Wadena	60.26	51	P	P	21 32 35.0 0.0
H31A	Wolsey	60.26	54	P	P	21 32 34.8 -0.2
WUAZ	Wupatki	60.30	70	eP	P	21 32 37.3 +1.7
D35A	Remer	60.33	50	P	P	21 32 35.1 -0.3
C36A	Pine Crest Far	60.35	48	P	P	21 32 35.6 0.0
I31A	Royce, Wessing	60.57	55	P	P	21 32 36.9 -0.3
E35A	Peot Lakes	60.57	50	P	P	21 32 37.0 -0.1
Y14A	Wickenburg	60.57	72	eP	P	21 32 38.9 +1.4
MVCO	Mesa Verde	60.60	66	eP	P	21 32 39.3 +1.5
D36A	Goodland	60.65	49	P	P	21 32 48.9 -0.2
C37A	Embarrass	60.65	48	P	P	21 32 37.6 -0.1
G33A	Ortonville	60.67	53	P	P	21 32 38.2 +0.3
H32A	Carlson Farm,	60.73	54	P	P	21 32 38.1 -0.2
F34A	Alexandria	60.76	51	P	P	21 32 38.6 +0.1
EYMN	Ely	60.78	48	eP	P	21 32 38.6 0.0
H33A	Prehn Over Nor	60.92	53	P	P	21 32 39.4 -0.2
D37A	Cotton	60.99	49	P	P	21 32 39.7 -0.3
G34A	Benson	61.01	52	P	P	21 32 40.2 +0.1
F35A	Swetville	61.02	51	P	P	21 32 40.3 0.0
C38A	Sawbill Land,	61.06	48	P	P	21 32 40.1 -0.3
Q24A	Divide	61.06	63	P	P	21 32 41.7 +0.7
I32A	Karley and Nic	61.08	54	P	P	21 32 40.2 -0.4
X16A	Lo Mita Camp, P	61.08	71	eP	P	21 32 42.8 +1.7
E36A	McCregor	61.11	50	P	P	21 32 40.9 +0.1
H34A	Spellman Lake,	61.38	53	P	P	21 32 42.6 -0.1
E37A	Wrenshall	61.45	49	P	P	21 32 42.9 -0.2
C39A	Grand Marais	61.47	47	P	P	21 32 42.7 -0.5
W18A	Petrified Fore	61.49	69	P	P	21 32 45.0 +1.2
W18A	Petrified Fore	61.49	69	eP	P	21 32 45.7 +1.9
F36A	Milaca	61.49	50	P	P	21 32 44.1 -0.3
G35A	Watkins	61.55	51	P	P	21 32 43.1 +0.3
VSU	Vasula	61.68	335	eP	P	21 32 44.1 -0.3
ECSD	EROS Data Cent</					

30d 21h

Table with columns: Call Sign, Name, Frequency, Power, Mode, SNR, and other metrics. Includes entries like N39A Derby Farms, D, 65.84 53 P, P, 21 33 11.7 -0.4.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, SNR, and other metrics. Includes entries like R44A Waltonville, 69.53 53 P, P, 21 33 35.0 -0.4.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, SNR, and other metrics. Includes entries like BRG comp=E,5um,14.0s, pmax, pmax.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like DOU Dourbes, 146A Union, 247A Carrolton, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like NAZ Nawza, LIA Limnos Island, PALK Pallekele, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like ALMR Almeirim, PMTG Montargil, KEST Kesra, etc.

Technical notes and station information including coordinates, power, and contact details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, and other technical details for the Islands region.

30d 21h

435B	Jarrell	41nm,1.1s	15.27	40	P	Pn	21 28 00.2	-0.6
BC3	Big Chuckwall	baz=224	15.35	339	P	Pn	21 28 02.7	+0.6
MSX	Muleshoe	baz=156,SNR=14	15.50	19	P	P	21 28 03.1	-0.9
MSX	Muleshoe	baz=202	15.50	19	ePn	P	21 28 08.0	-0.2
PDMCI	Parker Dam,Lak	16nm,0.8s	15.55	344	P	Pn	21 28 05.1	+0.5
ABTX	Abilene, Hawle	baz=161,SNR=7.9	15.56	30	P	Pn	21 28 03.8	-0.9
ABTX	Abilene, Hawle	baz=214	15.56	30	ePn	Pn	21 28 06.8	+2.0
ANMO	Albuquerque	37nm,1.1s	15.63	7	Pn	Pn	21 28 05.2	-0.6
ANMO	Albuquerque	15.63	7	Pn	LR	21 32 54.8		
ANMO	Albuquerque	comp=Z,208nm,19.9s,baz=186,slow=12,SNR=8.1	15.63	7	P	Pn	21 28 06.5	+0.7
ANMO	Albuquerque	baz=188	15.63	7	ePn	Pn	21 28 06.7	+0.9
W18A	Petrified Fore	34nm,1.5s	15.67	357	P	Pn	21 28 06.7	+0.5
W18A	Petrified Fore	baz=177,SNR=16	15.67	357	ePn	Pn	21 28 07.6	+1.3
XPFO	Pizon Flat	35nm,1.1s	15.67	336	ePn	Pn	21 28 07.2	+0.9
PFO	Pinyon Flats O	baz=152	15.67	336	P	Pn	21 28 07.0	+0.7
PFO	Pinyon Flats O	baz=157,SNR=15	15.67	336	ePn	Pn	21 28 07.1	+0.9
IRM	Iron Mountain	36nm,1.2s	15.71	341	P	Pn	21 28 07.0	+0.4
HKT	Hockley	baz=158,SNR=19	15.84	46	ePn	Pn	21 28 06.5	-1.7
BELC	Belle Mtn, Jos	30nm,1.4s	15.85	338	P	Pn	21 28 09.7	+1.2
MURC	Murrieta	baz=159	15.96	334	P	Pn	21 28 10.0	+0.2
SC12	San Clemente I	16.04	329	P	Pn	21 28 11.6	+0.7	
NEE2	Needles Airpor	baz=145	16.12	343	P	Pn	21 28 12.6	+0.8
WUAZ	Wupatki	baz=160	16.20	353	ePn	Pn	21 28 14.0	+1.0
WHXT	Lake Whitney,	84nm,1.5s	16.22	37	P	Pn	21 28 13.4	+0.2
W13A	Hualapai Mount	baz=222	16.25	345	ePn	Pn	21 28 14.6	+0.9
CCIG	Comitan	22nm,1.3s	16.26	98	ePn	P	21 28 16.1	-0.7
GMRC	Granite Mounta	51nm,1.4s	16.45	340	P	Pn	21 28 17.3	+1.1
LDFC	Landfair	baz=157,SNR=15	16.55	342	ePn	Pn	21 28 20.4	+0.5
AMTX	Amarillo	136nm,1.4s	16.70	21	P	Pn	21 28 19.7	+0.5
AMTX	Amarillo	baz=204	16.70	21	ePn	Pn	21 28 18.3	-1.0
BFSC	Mount Baldy Ra	13nm,1.0s	16.70	334	P	Pn	21 28 19.7	+0.3
HEC	Hector,Ludlow	baz=159	16.72	338	P	P	21 28 20.6	-1.0
SNCC	San Nicolas Is	baz=155,SNR=11	16.74	328	P	Pn	21 28 20.2	+0.5
MWC	Mount Wilson	baz=143	16.86	333	ePn	Pn	21 28 19.4	-2.0
DECC	Green Verdugo	41nm,1.4s	17.00	332	P	Pn	21 28 23.4	+0.3
TUQ	Turquoise Moun	baz=148	17.13	340	P	P	21 28 26.1	-0.3
BLG	Laguna Peak, P	baz=157,SNR=22	17.21	330	P	P	21 28 26.5	-0.6
U15A	North Rim	baz=146	17.22	351	ePn	P	21 28 28.1	+0.6
GSC	Goldstone, Bar	35nm,1.2s	17.31	338	P	P	21 28 28.2	0.0
GSC	Goldstone, Bar	baz=154,SNR=10	17.31	338	ePn	P	21 28 29.0	+0.8
EDW2	Edwards Air Fo	33nm,1.4s	17.39	334	P	P	21 28 29.2	+0.1
OSI	Osito Audit: C	baz=150	17.48	332	P	P	21 28 30.2	+0.1
SHOC	Shoshone, Teco	baz=148	17.67	340	P	P	21 28 32.3	+0.1
WMOK	Wichita Mounta	baz=156	17.72	28	ePn	Pn	21 28 31.0	-0.9
MVCO	Mesa Verde	21nm,1.1s	17.75	1	ePn	P	21 28 33.5	+0.3
NATX	Nacogdoches	75nm,1.4s	17.77	43	P	P	21 28 32.9	-0.3
NATX	Nacogdoches	baz=229	17.77	43	ePn	P	21 28 32.9	-0.3
LRMC	Laurel Mtn Rad	39nm,0.8s	17.79	336	P	P	21 28 34.0	+0.4
KNB	Kanab	baz=152,SNR=7.6	17.88	350	ePn	P	21 28 36.3	+1.7
SHPR	Sheep Range	58nm,1.2s	17.90	343	ePn	P	21 28 36.1	+1.3
LCMT	Little Creek M	49nm,1.3s	17.95	349	eP	P	21 28 37.5	+2.1
ARVC	Arvin	46nm,1.4s	17.96	333	P	P	21 28 36.0	+0.7
T25A	Trinidad	baz=148	18.10	12	Pn	Pn	21 28 38.8	+0.1
T25A	Trinidad	baz=193,SNR=8.8	18.10	12	ePn	P	21 28 38.0	+0.9
APG	EI Apazote	46nm,1.4s	18.15	101	P	P	21 28 38.2	+0.5
APG	El Apazote	0.5nm,0.3s,baz=294,slow=12,SNR=5.5	18.15	101	LR	21 35 10.3		
441A	DeRidder	comp=Z,313nm,18.4s,baz=296,slow=36	18.15	48	Pn	Pn	21 28 37.0	-0.2
PKM	Mpherson Peak	baz=235	18.20	330	P	P	21 28 39.0	+0.8
MPMC	Manual Prospec	baz=145	18.23	337	P	P	21 28 39.4	+0.9
542A	Morse	baz=153,SNR=12	18.27	51	Pn	Pn	21 28 38.6	-0.1
ISA	Isabella, Lake	baz=238	18.27	334	P	P	21 28 39.8	+1.0
ISA	Isabella, Lake	baz=150	18.27	334	ePn	P	21 28 40.4	+1.7
522A	4UR Ranch, Cre	49nm,1.3s	18.37	5	Pn	Pn	21 28 40.6	+0.5
522A	4UR Ranch, Cre	baz=186,SNR=5.4	18.37	5	ePn	Pn	21 28 41.3	+1.1
FURC	Furnace Creek,	baz=155	18.38	339	P	Pn	21 28 41.1	+1.1
DAC	Darwin (Calif)	baz=155	18.47	337	eP	Pn	21 28 43.2	+1.9
SZCU	Shurtz Canyon	26nm,1.4s	18.49	349	eP	Pn	21 28 43.6	+2.0
CCUT	Cedar City	22nm,1.4s	18.50	349	eP	Pn	21 28 44.5	+2.8
341A	Kurthwood	34nm,1.5s	18.50	47	Pn	Pn	21 28 41.6	+0.1
SDCO	Great Sand Dun	baz=233	18.52	9	Pn	Pn	21 28 42.0	0.0
SDCO	Great Sand Dun	baz=153,SNR=12	18.52	9	ePn	Pn	21 28 42.4	+0.4
PV05	Paradox Valley	32nm,1.5s	18.61	360	eP	Pn	21 28 45.0	+2.0
TPNV	Popohap Spring	34nm,1.4s	18.63	341	eP	Pn	21 28 44.7	+1.5
SMMC	Simmler	33nm,1.1s	18.64	331	P	Pn	21 28 43.8	+0.6
PV01	Paradox Valley	baz=145	18.67	1	eP	Pn	21 28 45.5	+1.8
442A	Mamou	22nm,1.3s	18.67	50	P	Pn	21 28 43.9	+0.3
VES	Vestal, Richgr	baz=236	18.67	333	P	Pn	21 28 44.4	+0.8
543A	St. Martinville	baz=148,SNR=5.1	18.76	52	Pn	Pn	21 28 45.0	+0.3
MTPU	Mount Pierson	baz=239	18.79	352	eP	Pn	21 28 46.6	+1.2
CWC	Cottonwood Cre	29nm,1.4s	18.79	336	P	Pn	21 28 45.6	+0.4
PV15	Paradox Valley	baz=152	18.88	1	eP	Pn	21 28 49.1	+2.8
PV04	Paradox Valley	35nm,1.2s	18.92	360	eP	Pn	21 28 47.5	+0.7
PV07	Paradox Valley	72nm,1.3s	18.97	1	eP	Pn	21 28 47.9	+0.5
PV09	Paradox Valley	43nm,1.2s	19.03	359	eP	Pn	21 28 50.5	+2.3
140A	Carn and Jess,	baz=230	19.04	43	P	Pn	21 28 47.6	-0.4

2012 MAY

PAGB	Antelope Grade	122nm,1.3s	19.10	331	eP	Pn	21 28 51.1	+2.3
342A	Flagon Creek P	baz=235	19.11	48	P	Pn	21 28 49.4	+0.4
443A	Delto Plantat	baz=238	19.17	51	P	Pn	21 28 49.6	0.0
MSU	Marysvalle	19.25	352	eP	S	21 28 51.4	+0.6	
544A	White Castle	MSU	19.29	53	ePn	Pn	21 28 51.2	0.0
TIN	Tinemaha, Big	baz=152	19.29	337	P	Pn	21 28 53.0	+0.7
645A	Chauvin	baz=243	19.42	55	P	Pn	21 28 52.7	0.0
141A	Papa Simpson,	baz=231	19.45	44	P	Pn	21 28 52.7	-0.2
PSUT	Pine Spring	60nm,1.3s	19.54	348	eP	Pn	21 28 54.5	+0.2
Q16A	Castle Valley	52nm,1.5s	19.55	355	eP	Pn	21 28 55.0	+0.7
Z40A	Long Farm, Mag	baz=229	19.55	42	P	Pn	21 28 53.6	-0.6
343A	Vidalia	baz=236	19.57	49	P	P	21 28 52.8	-0.1
242A	Grayson	baz=234	19.63	47	P	Pn	21 28 54.9	-0.2
SRU	San Rafael Swe	17nm,1.2s	19.69	356	eP	Pn	21 28 55.8	-0.2
PMPB	Monarch Peak	146nm,1.3s	19.75	330	eP	Pn	21 28 56.1	-0.5
R11A	Troy Canyon, C	baz=151,SNR=15	19.75	344	P	P	21 28 55.9	+0.7
R11A	Troy Canyon, C	10nm,1.2s	19.75	344	eP	Pn	21 28 56.6	-0.2
Q24A	Divide	baz=190	19.76	9	P	P	21 28 55.5	+0.1
SMCO	Snowmass	43nm,1.4s	19.78	4	eP	Pn	21 28 57.8	-0.5
444A	Pine Grove	baz=239	19.91	52	P	P	21 28 57.5	+0.8
TMUT	Trail Mountain	33nm,1.4s	19.93	355	eP	Pn	21 28 59.1	+0.2
Z41A	Richland Creek	baz=230	19.93	43	P	P	21 28 57.4	+0.5
X39A	Fountain Ranch	19.97	38	P	Pn	21 28 58.4	-0.7	
243A	Waterproof	baz=235	19.98	48	P	Pn	21 28 58.6	-0.8
WLAR	White Oak Lake	45nm,1.3s	20.01	42	eP	P	21 28 58.1	+0.3
142A	Monroe	baz=233	20.06	46	P	P	21 28 58.9	+0.6
P17A	Butcher Ranch,	35nm,1.1s	20.06	356	eP	P	21 28 58.8	+0.3
646A	Port Sulphur	baz=244	20.08	56	P	P	21 28 59.4	+0.8
TUL1	Leonard	baz=218	20.10	32	P	P	21 28 59.2	+0.5
TUL1	Leonard	66nm,1.4s	20.10	32	eP	P	21 28 58.2	-0.5
MLAC	Mammoth,Mamm	20.12	337	P	P	21 28 59.8	+0.6	
Y40A	Okolona	baz=152	20.12	41	P	Pn	21 29 00.1	-0.9
OMMB	Old Mammoth Mi	30nm,1.1s	20.12	336	eP	Pn	21 29 01.4	-0.4
445A	Amite	baz=240	20.22	52	P	P	21 28 59.9	-0.1
MDPB	Devils Postpil	41nm,1.2s	20.22	336	eP	Pn	21 29 02.1	-0.2
KSCO	Kaye Shedlock'	baz=197	20.28	14	P	P	21 29 01.8	+0.9
KSCO	Kaye Shedlock'	78nm,1.4s	20.28	14	eP	Pn	21 29 04.4	+1.4
344A	Westbrook Farm	baz=238	20.30	50	P	P	21 29 01.5	+0.6
546A	Sildell	baz=242	20.45	54	P	P	21 29 03.2	+0.6
Y41A	Eagleette Beard	baz=229	20.45	42	P	P	21 29 03.4	+0.8
Z42A	Norrel Spur, H	baz=232	20.50	44	P	P	21 29 04.0	+1.0
143A	Socs Landring,	baz=234	20.52	46	P	P	21 29 04.2	+0.9
ISCO	Idaho Springs	baz=234	20.52	7	eP	P	21 29 04.5	+0.8
NV11	Mina Array Sit	3						

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KHMM Horse Mountain, WVTV Waverly, MOC2 Callahan, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like CPUP Villa Florida, PLCA Paso Flores, etc.

CSEM 30 21:26:35.5, 44.88N, 11.02E, h6km, ML2, 2/14
ROM 30 21:26:35.0, 0.44876N, 0.00111, 11.024E, 0.0003, h6km, ML2, 2/2D, Northern Italy

Main table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Time, Res. Includes stations like T0818 Loc. Fossa, Co, T0818 Loc. Fossa, Co, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like SALO comp=N, 108um, 0.2s, SALO comp=N, 108um, 0.2s, etc.

IDC 30 21:35:51.7, 2.8, 1.16N, 92.24E, h0km, mb3.8/5, mb1 3.9/6, mb1mx3.5/69, mbmtpp3.7/6, ML3.5/1, Error ellipse: s-maj=96.1km s-min=22.2km az=62.0, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, H08S2 Diego Garcia H, etc.

KRNET 30 21:39:52.4, 0.1, 43.44N, 78.78E, h20km, mb3.5
NINC 30 21:39:52.1, 1.1, 43.51N, 78.79E, h0km, mb3.1, mpv3.0, Error ellipse: s-maj=20.8km s-min=3.9km az=2.0
ISCJB 30 21:39:53.1, 0.4, 43.40N, 0.02, 78.78E, 0.03, h6km, 3km, Error ellipse: s-maj=3.5km s-min=3.1km az=138.2
SOME 30 21:39:53.2, 43.37N, 78.78E, h10km
ISC 30 21:39:53.1, 0.8, 43.43N, 0.02, 78.77E, 0.02, h13km, 5km, n52, 0.05/97, 27C-9D, Lake Issyk-Kul region

Main table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Time, Res. Includes stations like KPKS Kokpek, KPKS Kokpek, UZB Uzunbulak, etc.



30d 21h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TDK Taldyqorghan, IZV Izvestkoviy, MTBS Maitube, etc.

ISK 30 21:43:06.6, 38.10N, 38.47E, h5km, ML2.1/4
CSEM 30 21:43:07.8, 0.3, 38.15N, 38.52E, h2km, ML2.1, Error ellipse: s-maj=7.1km s-min=5.1km az=78.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MALT Malatya, ELZG Elazig, SVRC Sivrice-ELAZID, etc.

KRNET 30 21:46:30.9, 0.1, 40.51N, 77.25E, h17km, mb2.9
SOME 30 21:46:30.2, 40.42N, 77.30E, h10km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TARG Taragay, Kyrgyz, NRN Naryn, etc.

2012 MAY

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like UHLH, KZA Kyzart, BOOM Boomsokoye usch, etc.

KRNET 30 21:48:00.9, 0.1, 40.50N, 77.21E, h20km, mb3.0, 12C-2D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NRN Naryn, TARG Taragay, Kyrgyz, KDJ Kajisay, etc.

SOME 30 21:48:55.8, 43.35N, 78.75E, h15km, Lake Issyk-Kul region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KPKS Kokpek, KPCS Kapsay, etc.

KRNET 30 21:57:23.9, 0.1, 43.39N, 78.79E, h22km, mb2.7
ISCJB 30 21:57:24.5, 0.5, 43.38N, 0.03, 78.80E, 0.04, h10km, 3km, Error ellipse: s-maj=5.1km s-min=4.3km az=152.7

2078

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KPKS Kokpek, KPCS Kapsay, UZB Uzynbulak, etc.

ISCJB 30 21:59:00.4, 0.2, 10.23S, 0.03, 74.47W, 0.04, h19km, mb4.770, Error ellipse: s-maj=6.1km s-min=4.3km az=100.8

NEIC 30 21:59:02.4, 0.2, 10.22S, 74.52W, mb4.8/59, Error ellipse: s-maj=6.7km s-min=4.1km az=58.0

IDC 30 21:59:02.0, 0.5, 10.19S, 74.49W, h18km, 2km, mb4.3/20, mb1.4/5.24, mb1mx4.3/52, mb2mx4.4/24, ML4.5/4, MS3.4/7, Ms1.3/4.7, ms1mx3.2/43, Error ellipse: s-maj=16.2km s-min=12.1km az=53.0

ISC 30 21:59:01.9, 0.5, 10.23S, 0.05, 74.45W, 0.06, h18km, 3km, h18km: p-P, n144, s1946/158, mb4.8/70, MS3.3, 1C-1D, Central Peru

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NNA Nana, NNA Nana, ATAH Atahualpa, LPAZ La Paz, etc.



30d 22h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARXS Arharly, KDJ Kajisay, TARG Taragay, Kyrgy.

KRNET 30 22:23:09.8, 0.1, 43.44N, 78.83E, h21km, mb3.1
NCC 30 22:23:09.2, 1.0, 43.46N, 78.81E, h0km, mb2.7, mpv2.5
Error ellipse: s-maj=21.4km s-min=5.4km az=1.0
ISCJB 30 22:23:10.2, 0.5, 43.43N, 0.02, 78.83E, 0.03, h9km, 3km,
Error ellipse: s-maj=4.0km s-min=3.6km az=153.6
SOME 30 22:23:10.2, 43.40N, 78.80E, h15km
ISC 30 22:23:11.0, 0.8, 43.42N, 0.02, 78.80E, 0.02, h11km, 5km,
n35, c1505/66, 20C-17D, Lake Issyk-Kul region

Main table of station data for 30d 22h, listing stations like KPKS Kokpek, UZB Uzynbulak, ZHN Zhinshiske, etc.

2012 MAY

GUC 30 22:24:55.6, 0.8, 32.00S, 70.98W, h32km, 12km, ML3.7,
SJA 30 22:24:55.9, 0.9, 32.15S, 71.41W, h69km, 12km, ML3.7,
MW3.5

Table of station data for 2012 MAY, listing stations like ROCH EI Roble, ROCC Peidehue, CLCH Cerro Calan, etc.

NIED 30 22:27:00, 40.20N, 139.80E, h11km, Mw3.6 Best double
couple: Ms2.92000x1014 NP1.9s197.00000, 351.00000,
1.34.00000, NP2.9s84.00000, 864.00000, 1.136.00000,
ISCJB 30 22:27:29.7, 0.5, 40.20N, 0.03, 139.72E, 0.04, h10km,
mb3.7/2, Error ellipse: s-maj=5.1km s-min=4.0km az=44.9
IDC 30 22:27:30.2, 1.3, 40.19N, 139.70E, h0km, mb3.6/2,
mb1.3, 8.5, mb1mx3.3/70, mbmtp3.6/5, ML3.3/3, Error
ellipse: s-maj=35.3km s-min=20.1km az=103.0
JMA 30 22:27:31.6, 40.21N, 139.84E, h19km, 1km, M3.9,
Broadband fault plane solution: P waves. NP1:
phi=185.00000, lambda=52.00000, NP2: phi=90.00000,
lambda=38.00000, 1.174.00000. Principal axes: T P1g37.00000,
Azm62.00000; N P1g38.00000, Azm187.00000; P
P1g31.00000, Azm305.00000;

JMA Felt II, J
ISC 30 22:27:30.9, 0.8, 40.18N, 0.04, 139.72E, 0.03, h10km, n12,
c2544/20, 2C-2D, Near west coast of eastern Honshu

Table of station data for 2012 MAY, listing stations like JMW Iwasaki, JOGG Oga, JAH Hinai, etc.

IDC 30 22:27:55.0, 0.1, 43.38S, 171.50E, h0km, mb4.2/2,
mb1.4, 3.3, mb1mx3.8/42, mbmtp4.1/3, ML3.6/1, MS3.6/9,
Ms1.3, 6.9, ms1mx3.4/35, Error ellipse: s-maj=3.4, 6km
nWZ, s-min=3.5km az=130.0

ISCJB 30 22:27:57.9, 0.4, 43.85S, 0.05, 171.38E, 0.07, h42km, 6km,
mb4.1/3, MS3.6/9, Error ellipse: s-maj=10.6km
s-min=4.6km az=44.7

NEIC 30 22:27:58.9, 0.0, 43.82S, 171.37E, h28km, mb4.2/1,
ML4.5(WEL), After WEL.

NEIC Felt in Canterbury.
ISC 30 22:27:58.2, 1.2, 43.85S, 0.05, 171.35E, 0.04, h26km, 8km,
n48, c0877/41, mb4.2/3, MS3.7/9, South Island

Table of station data for 2012 MAY, listing stations like RPZ Rata Peaks, RPZ Oxford, OXZ Waitaha Valley, etc.

2080

Table of station data for 2080, listing stations like SYZ Scubby Hill, QRZ Quater Range, WHZ Wether Hill, etc.

ISK 30 22:32:23.9, 38.69N, 43.29E, h5km, ML2.9/5
CEEM 30 22:32:24.0, 0.2, 38.68N, 43.40E, h5km, ML2.9, Error
ellipse: s-maj=6.0km s-min=4.2km az=103.0
DDA 30 22:32:24.5, 38.66N, 43.39E, h20km, M1.0,
ISCJB 30 22:32:25.3, 0.4, 38.68N, 0.02, 43.37E, 0.04, h7km, 4km,
Error ellipse: s-maj=5.0km s-min=3.5km az=14.9
ISC 30 22:32:25.5, 0.8, 38.68N, 0.02, 43.37E, 0.02, h14km, 6km,
n74, c1928/92, Turkey

Main table of station data for 2080, listing stations like VANB Van, TVAN Van, ERVC ERICIS-VAN, etc.



31D Oh

Table with columns: KDJ, Kajsays, baz, Taragay, Kyrgy, TARG, KAPS, KAPalarasan, ULahl, ULHL, TKM2, TKM2, TKM2, MK31, MK31, MK31. Includes station names like Kapalarasan, Ulahol, Tokmak 2, Makanchi Array, Novodi Modena.

CSEM 30 23:53:51.4, 44.87N, 10.96E, h4km, ML1.9/10 ROM 30 23:53:51.4, 0.1, 44.87N, 10.002, 10.963E, 0.003, h4km, ML1.9, 5, 2D, Northern Italy

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like Novodi Modena, Loc. Fossoli, Moglia (MN), Loc. Cortile, Loc. Fossa, Co, Rio Saliceto, Rio Saliceto ( ), Loc. Limidi di, Massa Finalese, Ravarino, Massa Finalese, S. Benedetto Po, Novellara, Casamaru (Bond), Casamaru (Bond), Castello D'Arg, Rovera Verona, Loc. Veratica, Salr, Salr, Salr, Salr.

2012 MAY

Table with columns: SALO, BDI, MAGA, MAGA, MAGA. Includes station names like Bagni Di Lucca, Magasa, Moglia (MN).

CSEM 30 23:54:36.2, 44.88N, 11.04E, h4km, ML2.1/14 ROM 30 23:54:36.2, 0.1, 44.876N, 0.001, 11.035E, 0.003, h4km, ML2.1, 5, 2D, Northern Italy

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like Loc. Fossa, Co, Loc. Cortile, Moglia (MN), Loc. Fossa, Co, Moglia (MN), Loc. Fossoli, Novi di Modena, Novodi Modena, Loc. Fossoli, Loc. Fossa, Co, Rio Saliceto, Rio Saliceto ( ), Loc. Limidi di, Massa Finalese, Ravarino, Massa Finalese, S. Benedetto Po, Novellara, Casamaru (Bond), Casamaru (Bond), Castello D'Arg, Rovera Verona, Loc. Veratica, Salr, Salr, Salr, Salr.

2082

Table with columns: SALO, POPM, POPM, POPM, POPM, BDI, MAGA, MAGA, MAGA, MAGA. Includes station names like Popiglio, Bagni Di Lucca, Magasa, Moglia (MN).

IDC 31 00:00:59.4, 3.1, 4.81S, 102.29E, h0km, mb3.8/7, mb1.3/4, mb1mx3.6/6.1, mbtmp3.8/7, Error ellipse: s-maj=142.1km s-min=21.2km az=51.0, Southern Sumatera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like Cape Leeuwin H, Cape Leeuwin H, Cape Leeuwin H, Warramunga Arr, Alice Springs, Songino Array, Makanchi Array, Kurchatov Arr, Zalesovo Beam, Bvarevoye Arr, Laifias Array.

IDC 31 00:23:19.5, 2.2, 6.99N, 125.21E, h0km, mb3.7/4, mb1.3/4, mb1mx3.4/5.6, mbtmp3.7/4, MS3.4/2, Ms1.3/4/2, ms1mx2.5/5.4, Error ellipse: s-maj=22.7km az=65.0, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like Tagaytay City, Warramunga Arr, Alice Springs, Makanchi Array, Zalesovo Beam, Kurchatov Arr.

IDC 31 00:23:21.1, 10.0, 21.37S, 67.95W, h158km, 67km, mb3.2/2, mb1.3/3.4, mb1mx3.0/4.0, mbtmp3.7/4, Error ellipse: s-maj=115.7km s-min=33.7km az=8.0, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like La Paz, San Ignacio, San Ignacio, Rio Arica, Yellowknife Arr, Makanchi Array.

SJA 31 00:28:38.5, 0.9, 35.88S, 71.24W, h33km, ML2.8, MW3.4, ISCJB 31 00:28:39.8, 1.0, 35.90S, 0.05, 71.5W, 0.1, h107km, 11km, Error ellipse: s-maj=16.7km s-min=5.7km az=21.3

GUC 31 00:28:39.9, 0.9, 35.94S, 0.05, 71.47W, 0.09, h109km, 17km, n14, a0577/27, 1C, Central Chile

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like CCHI, CCHI, CCHI, CCHI, CCHI, NICH, GO05, GO05, COCH, COCH, COCH, CANA, LMEL, LMEL, ANTU, ANTU, ANTU, CLCH, CLCH, CLCH, FCH, FCH, FCH, PEL, ROC1, ROC1, ROC1, ROC1, ROCH, ROCH, ROCH.

CSEM 31 00:36:12.8, 44.90N, 10.97E, h7km, ML3.1/10 ROM 31 00:36:12.8, 0.1, 44.901N, 0.002, 10.969E, 0.003, h7km, ML3.1, 4, 1C-8D, Northern Italy

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like Moglia (MN), Moglia (MN), Moglia (MN), Novi di Modena, Loc. Fossa, Co, Loc. Fossa, Co.













Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like IRAM, Zefreh, Kolarhrood, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like NB2, NOA, ARCES, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like T0803, T0800, T0807, etc.













31d 5h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SANT Santorini, THR9 Santorini-Faro, THR11 Athinios (Pete), etc.

CSEM 31 05:11:54.3, 14.7N, 44.15E, h16km, ML4.2

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like DHBB Dhamar BB, UDYU AI 'Udayn', etc.

ISCJB 31 05:13:05.0, 0.9, 35.45N, 0.03, 27.90E, h1km, 6km

ISCJB 31 05:13:05.0, 0.9, 35.45N, 0.03, 27.90E, h1km, 6km, mb3.3/3, Error ellipse: s-maj=6.3km s-min=3.6km az=152.2

ISCJB 31 05:13:05.7, 35.46N, 27.87E, h9km, ML3.0/9, IDC 31 05:13:05.1, 1.4, 35.32N, 27.91E, h0km, mb3.3/3, mb1 3.3/6, mb1mx3.1/58, mbtmp3.2/6, ML3.0/3, Error ellipse: s-maj=4.18km s-min=1.8km az=166.0

ATH 31 05:13:06.5, 35.55N, 27.88E, h17km, 2km, ML2.9/7, Error ellipse: s-maj=2.8km s-min=0.7km az=139.0

CSEM 31 05:13:06.1, 0.3, 35.51N, 27.89E, h2km, ML2.8, Error ellipse: s-maj=6.6km s-min=3.0km az=157.0

DDA 31 05:13:39.5, 35.61N, 27.93E, h7km, M13.0, ISC 31 05:13:06.3, 1.2, 35.47N, 0.04, 27.87E, h0.3, h7km, 9km, n94, r121/130, mb3.4/3, Dodecanese Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KARP Karpathos, ARG Arkhangelos, etc.

2012 MAY

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like TURN Turunc, FETHY Fethiye, AKAS Kas, etc.

ISCJB 31 05:21:49.6, 0.4, 23.59N, 0.01, 122.32E, 0.02, h21km, 2km

ISCJB 31 05:21:49.6, 0.4, 23.59N, 0.01, 122.32E, 0.02, h21km, 2km, Error ellipse: s-maj=2.9km s-min=2.0km az=43.6

JMA 31 05:21:50.7, 0.1, 23.63N, 122.26E, h35km, M2.8, TAP 31 05:21:51.1, 23.62N, 122.31E, h33km, 1km, ML3.3, D

ISC 31 05:21:47.4, 1.1, 23.53N, 0.02, 122.33E, 0.02, h11km, 9km, n84, r097/158, Taiwan region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ENLB Shoufeng, HWA Hwallen, etc.

2094

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like TWF1 baz=254, CHKT Chengkung, FULB Fuli, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TCU Taichung, TATO Taipei, LIOB Emei, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ORL Orlik, MOY Monday, ARS Arshan, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MJAR Matsuhiro, MAJO Matsuhiro, MAT Matsuhiro, etc.

MOS 31 05:32:20.8±2.7, 51.67N, 96.06E, h5km, mb3.9/1, Error ellipse: s-maj=40.3km s-min=16.9km az=173.5

MEX 31 05:42:23.2±0.3, 16.72N, 99.71W, h13km±2km, MD3.6, Near coast of Guerrero

ICN 31 05:45:59.3±12.87N, 124.37E, h13km, mb4.0, ML2.8, MS2.4, 1C, Samar





Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like MBWA Marble Bar, RES Resolute Bay, TMCR Tamitsa, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like UOSS Minazif, HATD Hatia, SOHO SOHO, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like JLU Jordanelle, NLU North Lily Min, ILGA Ilga, etc.

31d 5h

Table with columns: MODS, Modra-Piesok, 81.19 326 eP, P, 06 01 40.9 -0.6, BFO, Black Forest, 84.95 331 eP, P, 06 02 00.7 -0.2, etc.

2012 MAY

Table with columns: BFO, Black Forest, 84.95 331 eP, P, 06 02 00.7 -0.2, E410, Black Forest, 84.95 331 eP, P, 06 02 00.0 0.0, etc.

2098

Table with columns: T40A, Mansfield, 90.51 40 P, P, 06 02 27.4 -0.4, U39A, Green Forest, 90.60 41 P, P, 06 02 28.3 +0.1, etc.

MEX 31 05:51:14.4±0.3, 1672N:99.72W, h13km±2km, MD3.7, Near coast of Guerrero

MEX 31 05:51:53.2±0.5, 15:49N:93:54W, h90km±5km, MD3.6, Near coast of Chiapas

CSEM 31 05:58:51.1±0.1, 44:84N:11:23E, h10km, ML2.1, Error ellipse: s-maj=4.9km s-min=3.6km az=84.0, ROM 31 05:58:51.7±0.0, 44:840N:0:002:11:233E:0:003, Code Station Name A° AZ° Phase ID, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like TEOL Teolo, MARN Marana, BALD Monte Baldo, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like AFI 7.5nm, DZM Mont Dzumac, RAR Rarotonga, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like PINE Pine Mountain, BMN Battle Mountain, etc.

NEIC 31 06:00:23.8i.0.52:35N:170:06W, h5km, ML3.1(AEIC), After AEIC.

IDC 31 06:00:33.0i.21.0, 52:62N:170:29W, h111km, 202km, mb3.0/5, mb1 3.3/6, mb1mx2.9/87, mbtmp3.2/6, ML2.8/1,

Error ellipse: s-maj=88.1km s-min=43.8km az=3.0 Error ellipse: s-maj=5.7km s-min=4.3km az=140.0

ISC 31 06:00:20.6i.2, 52:44N:170:23W:0.08, h5km, 13km, n21, r19:17/23, mb3.3/5, Fox Islands

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like NIKH Nikolski High, OKAK Okmok, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like W2B Warramunga Arr, WRAB Tennant Creek, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like DLMT Dillman, SNOW Snow King Moun, etc.

IDC 31 06:06:44.5i.2.4, 23:11S:176:81W, h78km, 20km, mb4.3/21, mb1 4.4/23, mb1mx4.2/48, mbtmp4.6/23, MS3.4/2, Ms1 3.4/2, ms1mx2.7/42, Error ellipse: s-maj=14.0km s-min=11.9km az=102.0

ISCJB 31 06:06:46.0i.1.3, 23:21S:176:91W:0.05, h102km, 14km, mb4.5/79, Error ellipse: s-maj=8.8km s-min=6.8km az=39.6

MOS 31 06:06:46.3i.0.7, 23:14S:176:93W, h102km, mb4.8/19, Error ellipse: s-maj=10.0km s-min=9.8km az=38.4

NEIC 31 06:06:50.1i.0.8, 23:23S:176:83W, h129km, mb4.6/64, Error ellipse: s-maj=5.7km s-min=4.3km az=140.0

ISC 31 06:06:46.2i.0.6, 23:20S:176:69W:0.07, h95km, 5km, n227, r19:39/246, mb4.5/78, 29C-14D, South of Fiji Islands

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like Y14A Wickburg, SHPR Sheep Range, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like DAWY Dawson, BILL Bilibino, EGAK Eagle, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like RAO Raoul Island, RAO Raoul Island, etc.



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Artemida-Makis, Efpalio, Alikis, Aigiali, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Ostrava-Krasne, Novy Kostel, Kasperske Hory, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Belle Mtn. Jose, Isabella, Lake, etc.



31d 7h

Table with columns: TWT, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Chiawan, Tech, Neicheng, Wulai, Suao, Hwaiien, Renai, etc.

2012 MAY

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YULB, TWF1, ALS, WKG, WDLH, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KURBB, KURK, MAKZ, MAK31, etc.

CSEM 31 07:17:13.6:0.3, 42:89N:6:36E, h1km, ML2.8, Error ellipse: s-maj=5.4km s-min=4.0km az=25.0, Mining explosion. ROM 31 07:17:14.8:0.1, 42:91N:0:02:6:45E:0:03, h1km, ML2.5/7 STR 31 07:17:15.6:0.6, 43:14N:4:5:1, h5km, M2.9/10, MLV2.9/10 ISC 31 07:17:13.3:1.5, 42:90N:0:05:6:41E:0:03, h7km, 11km, n53, c083/63, 2C, Western Mediterranean Sea

NNC 31 07:09:06.7:1.7, 50:03N:78:83E, h0km, mb3.7, mpv3.4, 7C-5D, Error ellipse: s-maj=28.1km s-min=8.5km az=74.0, Suspected Mining explosion., Eastern Kazakhstan









ISC 31 11:03:37.0, 8.44, 90N, 0.02, -11.00E, 0.02, h13km, 4km,

n192, r1920/187, 10C-17D, Northern Italy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like T0818, T0827, T0828, etc.

Table with columns: MODE, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various modes like MODE, FIU, ZCCA, MTRZ, etc.

Table with columns: SALO, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like SALO, VLC, POPM, MAGA, etc.









WRA Warramunga Arr 135.18 213 PKP PKPdf 11 49 05.8 +2.0

MAN 31 11:34:14.5, 10'68N:122'02E, h23km, mb3.9, ML2.6, MS2.2, 1C-1D, Panay

IDC 31 11:44:54.0-13.0, 3'58N:96'12E, h0km, mb3.3/2, mb1 3.7/3, mb1mx3.2/7.1, mbtmp3.4/3, ML4.3/1, Error ellipse: s-maj=362.2km s-min=48.7km az=78.0, Northern Sumatara

ISC/JB 31 11:48:23.3-1.9, 29'08S:0'05:71'5W:0.1, h28km, 11km, Error ellipse: s-maj=17.3km s-min=7.1km az=11.8

SJA 31 11:48:24.4-0.8, 29'22S:71'37W, h20km, 7km, ML3.5, MW3.6

GUC 31 11:48:27.0-1.7, 29'32S:71'02W, h41km, 5km, ML3.7, ISC 31 11:48:23.5-2.4, 29'09S:0'05:71'5W:0.1, h25km, 13km, n19, e209/27, 4C, Near coast of central Chile

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC

NNC 31 11:50:52.0-5.6, 37'95N:71'85E, h0km, mb3.8, mpv3.4, 4C-6D, Error ellipse: s-maj=52.9km s-min=16.6km az=158.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC

NEIC 31 11:56:41.6-1.2, 19'83S:175'31W, h90km, 11km, mb4.7/10, Error ellipse: s-maj=9.9km s-min=7.0km az=136.0

IDC 31 11:56:46.5-0.7, 19'81S:175'42W, h127km, 6km, mb4.1/19, mb1 4.2/19, mb1mx4.0/46, mbtmp4.4/19, Error ellipse: s-maj=16.3km s-min=12.8km az=119.0

ISC 31 11:56:46.4-0.6, 19'91S:0'08:175'19W:0'09, h134km, 5km, h134km:pp-P, n83, e162/96, mb4.4/28, Tonga Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC

Main 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

DDA 31 12:28:13.6, 35'90N:31'09E, h27km, ML2.9, ISC/JB 31 12:28:15.0, 35'91N:31'05:30'98E:0.04, h16km, 8km, Error ellipse: s-maj=9.5km s-min=4.8km az=14.9

CSEM 31 12:28:16.1, 0.4, 35'95N:30'98E, h20km, ML2.9, Error ellipse: s-maj=12.1km s-min=6.3km az=15.0

ISK 31 12:28:16.8, 36'07N:31'15E, h11km, ML2.9/4, ISC 31 12:28:13.4-1.4, 35'88N:0'04:31'01E:0.03, h1km, 11km, n34, e1915/51, Cyprus region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC

ISC/JB 31 12:31:05.8-0.7, 9'11S:0'06:74'97W:0'06, h125km, mb3.0/3, Error ellipse: s-maj=9.5km s-min=7.9km az=31.7

IDC 31 12:31:08.0-2.0, 9'13S:75'00W, h142km, 27km, mb2.7/3, mb1 3.2/8, mb1mx3.0/47, mbtmp3.6/8, Error ellipse: s-maj=41.0km s-min=18.4km az=34.0

ISC 31 12:31:06.9-0.7, 9'13S:0'07:74'93W:0'08, h125km, n8, e189/13, mb3.3/3, Central Peru

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC

IDC 31 12:34:53.9-4.7, 22'45S:177'67W, h370km, 241km, mb2.9/3, mb1 3.2/5, mb1mx2.8/47, mbtmp3.9/5, Error ellipse: s-maj=191.7km s-min=31.9km az=93.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC

IDC 31 12:46:06.8-7.0, 26'66S:131'71E, h0km, mb1 3.0/3, mb1mx2.8/47, mbtmp2.8/3, ML2.6/3, Error ellipse: s-maj=86.9km s-min=30.3km az=68.0, South Australia

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC

BUI 31 12:50:43.0, 5'04N:127'62E, h158km, mb4.7/33, mb4.8/16, ISC/JB 31 12:50:43.0-2.5, 5'22N:0'03:127'45E:0.04, h150km, mb4.4/70, Error ellipse: s-maj=6.6km s-min=3.8km az=151.4



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like JRA, JMK, JTKR, etc.

ISCJB 31 13:36:54.7±0.6, 67.48N±0.06, 166.50W±0.1, h10km, mb3.4/7, Error ellipse: s-maj=9.2km s-min=5.4km az=153.8

ISC 31 13:36:57.3±1.3, 68.07N±1.66, 14W, h0km, mb3.4/7, mb1 3.7/8, mb1mx3.3/78, mbtmp3.5/8, ML3.5/1, Error ellipse: s-maj=58.2km s-min=16.3km az=22.0

NEIC 31 13:36:59.2±0.0, 67.51N±1.66, 52W, h29km, ML3.3(AEIC), After AEIC

ISC 31 13:36:56.9±0.8, 67.53N±0.08, 166.48W±0.06, h10km, n21, c1562/26, mb3.4/7, Bering Strait

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like RDOG, RIDOC, GAMB, etc.

ISC 31 13:48:28.4±383.0, 47.23N±47.13E, h0km, Error ellipse: s-maj=163.5km s-min=134.4km az=168.0, Ukraine-Moldova-Southwestern Russia region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like I31KZ, I43RU, I26DE, etc.

ISK 31 14:03:50.0, 37.16N±39.03E, h5km, ML2.1/5, CSEM 31 14:03:51.8±0.3, 37.27N±39.14E, h5km, MD2.5, Error ellipse: s-maj=8.2km s-min=6.4km az=138.0

ISCJB 31 14:03:52.3±1.4, 37.29N±0.05±39.11E±0.09, h3km, 19km, Error ellipse: s-maj=13.0km s-min=6.8km az=156.1

DDA 31 14:03:52.5±0.9, 37.22N±39.15E, h7km, Md2.5, ISC 31 14:03:52.5±0.9, 37.26N±0.03±39.08E±0.04, h11km±7km, n15, c0987/25, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like SANL, URFA, MARI, etc.

CSEM 31 14:04:04.7±0.1, 42.52N±12.93E, h10km, ML1.0, Error ellipse: s-maj=2.9km s-min=1.9km az=40.0

ROM 31 14:04:04.6±0.1, 42.518N±100.4±12.943E±0.005, h12km, ML1.0/3, Central Italy

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like LNSS, ARRO, FIAM, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like FIAM, CESP, NRCIA, etc.

NIED 31 14:08:00.33±80N, 135.10E, h44km, Mw3.5 Best double couple: M1.85000±0.1014 N1.1±244.00000, S63.00000, lambda=6.00000, NP2±336.00000, S84.00000, lambda=153.00000

ISC 31 14:08:28.1±1.3, 33.61N±135.08E, h0km, mb3.5/2, mb1 3.6/6, mb1mx3.3/71, mbtmp3.5/6, ML3.4/4, MS2.0/1, Ms1 2.0/1, ms1mx1.7/44, Error ellipse: s-maj=26.2km s-min=20.2km az=152.0

JMA 31 14:08:33.1, 33.83N±135.05E, h48km, 1km, M3.7, Broadband fault plane solution: P waves. NP1: phi=161.00000, S70.00000, lambda=134.00000, NP2: phi=150.00000, S47.00000, lambda=27.00000, Principal axes: T P1g4.00000, Azm281.00000; N P1g4.1.00000, Azm179.00000; P P1g46.00000, Azm26.00000;

JMA Felt J1

ISC 31 14:08:31.9±1.6, 33.84N±0.04±135.03E±0.03, h28km±14km, n18, c137/33, 8C-3D, Near south coast of western Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like JWM, JAI, JAU, etc.

JNU 2.9nm, 0.3s, baz=222, slow=13, SNR=5.6

JNU 3.7nm, 1.9s, baz=123, slow=39, SNR=3

MAT Matsushiro 3.75 43 Pn 14 09 29.7 +1.8

MJAR Matsushiro Arr 3.75 43 Pn 14 09 29.8 +1.9

MJAR 1.3nm, 0.3s, baz=185, slow=33, SNR=4.6

MJAR 1.2nm, 0.3s, baz=229, slow=28, SNR=5.9

MJAR Hachijo jima 2 4.03 99 Pn 14 09 32.0 +0.2

KSR5 Korea Array 6.82 30 Pn 14 10 11.6 +1.5

KSR5 0.4nm, 0.3s, baz=123, slow=14, SNR=9.2

WRM Warramunga Arr 53.48 181 P 14 17 48.2 -1.6

ASAR Alice Springs 57.19 181 P 14 18 15.0 -1.5

NIED 31 14:34:00.24±30N, 125.20E, h20km, Mw4.3 Best double couple: M3.60000±0.019 N1.1±246.00000, S13.00000, lambda=94.00000, NP2±61.00000, S77.00000, lambda=89.00000

ISC 31 14:34:17.3±0.6, 24.32N±125.07E, h0km, mb3.9/21, mb1 4.0/24, mb1mx3.8/67, mbtmp3.9/24, ML3.4/3, MS3.5/22, Ms1 3.6/22, ms1mx3.3/62, Error ellipse: s-maj=12.9km s-min=14.2km az=68.0

ISCJB 31 14:34:22.0±0.6, 24.38N±0.06±125.18E±0.05, h49km±3km, mb3.9/23, MS3.5/18, Error ellipse: s-maj=11.1km s-min=5.4km az=150.1

JMA 31 14:34:21.4±0.2, 24.29N±125.21E, h40km, M3.8, JMA Felt J1

NEIC 31 14:34:22.6±0.5, 24.40N±125.10E, h35km, mb4.0/2, Error ellipse: s-maj=11.1km s-min=10.3km az=109.0

ISC 31 14:34:23.0±1.2, 24.39N±125.08±125.05E±0.05, h41km±9km, n52, c095/48, mb3.9/23, MS3.7/18, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like JOGS, JIRB, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like JNU, TGY, KSR5, etc.

TAP 31 14:36:30.1, 24.40N±121.48E, h9km, ML1.9, B, Taiwan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like NNSB, NNSH, etc.





BDI	comp=E,6200µm,1.5s								
BDI	<b>Bagni Di Lucca</b>	<b>0.87 193</b>	<b>eP</b>	<b>Pb</b>	<b>14 58 38.2</b>	<b>-0.4</b>			
BDI	<b>Bagni Di Lucca</b>	<b>0.87 193</b>	<b>eP</b>	<b>Pb</b>	<b>14 58 38.2</b>	<b>-0.4</b>			
BDI	comp=E,7065µm,0.5s		AML						
BDI	comp=N,6640µm,1.1s		AML						
BDI	comp=E,7970µm,0.5s		AML						
BDI	comp=N,6630µm,0.4s		AML						
CTL8	<b>Castelleone</b>	<b>0.87 296</b>	AML						
CTL8	comp=N,15100µm,1.0s		AML						
CTL8	comp=E,16500µm,0.9s		AML						
CTL8	comp=N,15100µm,1.0s		AML						
CTL8	comp=E,7485µm,0.7s		AML						
CTL8	comp=N,3570µm,1.1s		AML						
CTL8	comp=E,16500µm,0.9s		AML						
CTL8	comp=E,7485µm,0.7s		AML						
CTL8	comp=N,3570µm,1.1s		AML						
MAGA	<b>Magasa</b>	<b>0.89 349</b>	<b>eP</b>	<b>Pb</b>	<b>14 58 38.7</b>	<b>-0.3</b>			
MAGA	<b>Magasa</b>	<b>0.89 349</b>	<b>eP</b>	<b>Pb</b>	<b>14 58 38.7</b>	<b>-0.3</b>			
CODM	<b>Codolo</b>	<b>0.89 235</b>	<b>P</b>	<b>Pg</b>	<b>14 58 39.5</b>	<b>+0.5</b>			
EQUI	<b>Equi</b>	<b>0.90 215</b>	<b>P</b>	<b>Pb</b>	<b>14 58 39.1</b>	<b>-0.1</b>			
EQUI			<b>S</b>	<b>Sn</b>	<b>14 58 52.5</b>	<b>-0.5</b>			
DOSS	<b>Dozzo del Somm</b>	<b>1.00 13</b>	<b>eP</b>	<b>Pb</b>	<b>14 58 40.8</b>	<b>-0.3</b>			
DOSS	<b>Dozzo del Somm</b>	<b>1.00 13</b>	<b>eP</b>	<b>Pb</b>	<b>14 58 55.9</b>	<b>+0.2</b>			
DOSS			<b>eSg</b>	<b>Pb</b>	<b>14 58 40.8</b>	<b>-0.3</b>			
DOSS			<b>eSg</b>	<b>Sn</b>	<b>14 58 55.9</b>	<b>+0.2</b>			
MAIM	<b>Mastiano</b>	<b>1.03 195</b>	<b>P</b>	<b>Pb</b>	<b>14 58 41.1</b>	<b>-0.3</b>			
MAIM	<b>Mastiano</b>	<b>1.03 195</b>	<b>AML</b>	<b>Pb</b>	<b>14 58 57.5</b>	<b>+1.4</b>			
MAIM	comp=E,5755µm,0.5s		AML						
MAIM	comp=E,5755µm,0.5s		AML						
MAIM	comp=N,6485µm,0.6s		AML						
MAIM	comp=E,5755µm,0.5s		AML						
MAIM	comp=N,6485µm,0.6s		AML						
MAIM	comp=N,6485µm,0.6s		AML						
RNI	<b>Roncone</b>	<b>1.09 351</b>	<b>eP</b>	<b>Pb</b>	<b>14 58 41.8</b>	<b>-0.8</b>			
RNI			<b>eSg</b>	<b>Pb</b>	<b>14 58 58.4</b>	<b>+0.5</b>			
RNI	<b>Roncone</b>	<b>1.09 351</b>	<b>eP</b>	<b>Pb</b>	<b>14 58 41.8</b>	<b>-0.8</b>			
RNI			<b>eSg</b>	<b>Sn</b>	<b>14 58 58.4</b>	<b>+0.5</b>			
CRMI	<b>Carmignano</b>	<b>1.12 176</b>	AML						
CRMI	comp=E,2975µm,0.7s		AML						
CRMI	comp=N,1980µm,0.7s		AML						
CRMI	comp=E,2980µm,0.7s		AML						
CRMI	comp=N,1980µm,0.7s		AML						
CRMI	comp=N,1980µm,0.7s		AML						
PLMA	<b>Palmaria, Port</b>	<b>1.12 221</b>	AML						
PLMA	comp=E,4210µm,1.1s		AML						
PLMA	comp=N,8800µm,0.5s		AML						
PLMA	comp=E,4210µm,1.1s		AML						
PLMA	comp=N,8800µm,0.5s		AML						
PLMA	comp=N,8800µm,0.5s		AML						
MSSA	<b>Maissana</b>	<b>1.13 239</b>	AML						
MSSA	comp=N,2795µm,1.3s		AML						
MSSA	comp=E,2760µm,0.7s		AML						
GORR	<b>Gorretto</b>	<b>1.16 256</b>	<b>P</b>	<b>Pb</b>	<b>14 58 43.8</b>	<b>+0.1</b>			
CGRP	<b>Cima Grappa</b>	<b>1.17 34</b>	<b>eP</b>	<b>Pb</b>	<b>14 58 43.4</b>	<b>-0.5</b>			
CGRP			<b>eSg</b>	<b>Pb</b>	<b>14 59 01.4</b>	<b>+1.7</b>			
CGRP	<b>Cima Grappa</b>	<b>1.17 34</b>	<b>eP</b>	<b>Sg</b>	<b>14 58 43.4</b>	<b>-0.6</b>			
CGRP			<b>eSg</b>	<b>Sg</b>	<b>14 59 01.4</b>	<b>+1.7</b>			
CGRP	<b>Cima Grappa</b>	<b>1.17 34</b>	<b>eP</b>	<b>Pn</b>	<b>14 58 43.4</b>	<b>-0.6</b>			
CGRP			AML						
CGRP	comp=E,12550µm,0.6s		AML						
CGRP	comp=N,10900µm,0.9s		AML						
CGRP	comp=N,10900µm,0.9s		AML						
CGRP	comp=N,10900µm,0.9s		AML						
MABI	<b>Malga Bissina</b>	<b>1.18 348</b>	AML						
MABI	comp=E,5445µm,0.7s		AML						
MABI	comp=N,4060µm,1.4s		AML						
MABI	comp=N,4060µm,1.4s		AML						
MABI	comp=E,5445µm,0.7s		AML						
PANI	<b>Panarotta</b>	<b>1.19 16</b>	<b>eP</b>	<b>Pn</b>	<b>14 58 43.2</b>	<b>-1.1</b>			
PANI			<b>eSg</b>	<b>Sg</b>	<b>14 59 00.6</b>	<b>+0.4</b>			
PANI	<b>Panarotta</b>	<b>1.19 16</b>	<b>eP</b>	<b>Pn</b>	<b>14 58 43.2</b>	<b>-1.1</b>			
PANI			<b>eSg</b>	<b>Sg</b>	<b>14 59 00.6</b>	<b>+0.4</b>			
SFI	<b>Santa Sofia</b>	<b>1.22 145</b>	AML						
SFI	comp=N,10550µm,0.8s		AML						
SFI	comp=E,3985µm,0.7s		AML						
SFI	comp=N,10500µm,0.8s		AML						
SFI	comp=E,4265µm,0.7s		AML						
SFI	comp=N,10900µm,0.7s		AML						
SFI	comp=E,3985µm,0.7s		AML						
SFI	comp=E,4265µm,0.7s		AML						
SFI	comp=N,10900µm,0.7s		AML						
SFI	comp=N,10500µm,0.8s		AML						
SFI	comp=N,10900µm,0.7s		AML						
SFI	comp=N,10500µm,0.8s		AML						
SFI	comp=N,10900µm,0.7s		AML						
SFI	comp=E,4265µm,0.7s		AML						
SFI	comp=N,10900µm,0.7s		AML						
MTLO	<b>Montello</b>	<b>1.25 43</b>	<b>eP</b>	<b>Pn</b>	<b>14 58 45.0</b>	<b>0.0</b>			
MTLO			<b>eSg</b>	<b>Sg</b>	<b>14 59 03.4</b>	<b>+1.2</b>			
MTLO	<b>Montello</b>	<b>1.25 43</b>	<b>eP</b>	<b>Pn</b>	<b>14 58 45.0</b>	<b>0.0</b>			
MTLO			<b>eSg</b>	<b>Sg</b>	<b>14 59 03.4</b>	<b>+1.2</b>			
CTI	<b>Castel Tesino</b>	<b>1.27 25</b>	AML						
CTI	comp=N,31200µm,0.7s		AML						
CTI	comp=E,23350µm,0.2s		AML						
CTI	comp=E,23350µm,0.2s		AML						
CTI	comp=N,31200µm,0.7s		AML						
ASQU	<b>Asqua</b>	<b>1.29 149</b>	AML						
ASQU	comp=E,4905µm,0.9s		AML						
ASQU	comp=N,3980µm,0.6s		AML						
ASQU	comp=N,3980µm,0.6s		AML						
VARN	<b>Col Varnada, M</b>	<b>1.39 38</b>	<b>eP</b>	<b>Pn</b>	<b>14 58 46.9</b>	<b>0.0</b>			
VARN			<b>eSg</b>	<b>Sg</b>	<b>14 59 06.9</b>	<b>+0.3</b>			
VARN	<b>Col Varnada, M</b>	<b>1.39 38</b>	<b>eP</b>	<b>Pn</b>	<b>14 58 46.9</b>	<b>0.0</b>			
VARN			<b>eSg</b>	<b>Sg</b>	<b>14 59 06.9</b>	<b>+0.3</b>			
OZOL	<b>Ozolo</b>	<b>1.50 5</b>	<b>eP</b>	<b>Pn</b>	<b>14 58 48.2</b>	<b>-0.3</b>			
OZOL	<b>Ozolo</b>	<b>1.50 5</b>	<b>eP</b>	<b>Pn</b>	<b>14 58 48.2</b>	<b>-0.3</b>			
CPGN	<b>Carpegna, Ital</b>	<b>1.52 136</b>	AML						
CPGN	comp=N,4760µm,1.2s		AML						
CPGN	comp=N,4760µm,1.2s		AML						
CPGN	comp=E,3900µm,1.1s		AML						
CPGN	comp=N,4760µm,1.2s		AML						

CPGN	comp=E,4260µm,1.0s		AML						
CPGN	comp=N,4755µm,1.2s		AML						
CPGN	comp=E,3910µm,1.1s		AML						
CPGN	comp=N,4760µm,1.2s		AML						
CPGN	comp=E,3910µm,1.1s		AML						
CPGN	comp=E,4260µm,1.0s		AML						
CPGN	comp=N,4755µm,1.2s		AML						
CPGN	comp=N,4760µm,1.2s		AML						
CARE	<b>Lago del Cares</b>	<b>1.52 355</b>	<b>eP</b>	<b>Pn</b>	<b>14 58 48.8</b>	<b>-0.2</b>			
CARE	<b>Lago del Cares</b>	<b>1.52 355</b>	<b>eP</b>	<b>Pn</b>	<b>14 58 48.8</b>	<b>-0.2</b>			
CAE	<b>Caneva</b>	<b>1.56 44</b>	<b>eP</b>	<b>Pn</b>	<b>14 58 48.9</b>	<b>-0.3</b>			
CAE	<b>Caneva</b>	<b>1.56 44</b>	<b>eP</b>	<b>Pn</b>	<b>14 58 48.9</b>	<b>-0.3</b>			
APPI	<b>Appiano</b>	<b>1.59 9</b>	AML						
APPI	comp=E,13100µm,0.4s		AML						
APPI	comp=N,16600µm,0.4s		AML						
APPI	comp=E,13100µm,0.4s		AML						
APPI	comp=N,16600µm,0.4s		AML						
PARC	<b>Parchiule</b>	<b>1.60 141</b>	AML						
PARC	comp=E,1620µm,0.6s		AML						
PARC	comp=N,1895µm,0.8s		AML						
PARC	comp=N,1895µm,0.8s		AML						
KOSI	<b>Kohlern</b>	<b>1.60 13</b>	AML						
KOSI	comp=N,17780µm,0.6s		AML						
KOSI	comp=E,11530µm,0.6s		AML						
KOSI	comp=N,7780µm,0.6s		AML						
KOSI	comp=E,11530µm,0.6s		AML						
POLC	<b>Polcenigo</b>	<b>1.60 45</b>	<b>eP</b>	<b>Pn</b>	<b>14 58 50.0</b>	<b>+0.2</b>			
POLC	<b>Polcenigo</b>	<b>1.60 45</b>	<b>eP</b>	<b>Pn</b>	<b>14 58 50.0</b>	<b>+0.2</b>			
POLC	<b>Polcenigo</b>	<b>1.60 45</b>	AML						



Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like FASA Fasano, MASS Massafra, CEME Cevo, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like ROM 31, ISCJB 31, CSEM 31, etc.

Main table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like T0818 Loc. Fossa, Co, T0818 Loc. Fossa, Co, T0825 Gonzaga (MN), etc.

Table with columns: CODE, Station Name, Az, El, P, S, Time, Res. Includes stations like MODE comp=E,5220um,0.7s, T0803 Dosso, Cento, T0803 comp=N,8330um,0.5s, etc.









Table with columns: PDAR, Pinedale Array, 88.90 43 P P, 16 07 33.0 +0.9, etc. Includes various astronomical observations and their parameters.

Table with columns: EKA, Eskdalearray S, 144.88 5 PKP, 16 14 10.1 -0.1, etc. Includes various astronomical observations and their parameters.

Table with columns: CONA, Conrad Observa, 150.29 341 i PKIKP, 16 14 25.4 +0.1, etc. Includes various astronomical observations and their parameters.

ISC 31 16:03:28.1±0.9, 1.35N-92°25'E, h0km, mb3.8/10, mb1 4.0/12, mb1mx3.6/74, mbtmp3.8/12, ML3.5/2, MS2.9/1, Ms1 2.9/1, ms1mx2.3/62, Error ellipse: s-maj=39.2km s-min=17.0km az=48.0

ISCJBJ 31 16:00:33.5±0.6, 1.45N-0°08.92'43E±0.07, h33km, mb4.2/16, Error ellipse: s-maj=12.5km s-min=8.1km az=39.3

NEIC 31 16:00:33.2±0.5, 1.43N-92°33'E, h35km, mb4.5/6, Error ellipse: s-maj=11.2km s-min=7.0km az=210.0

ISC 31 16:00:33.1±0.8, 1.4N-0°12.92'29E±0.10, h35km, n36, s1905/34, mb4.0/16, Off west coast of northern Sumatera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes station information and observation details.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SFK, KBL, MNAS, AML, KK31, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 31 16:04:04.8, 657.0, 58.07N, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like GUC 31 16:06:09.4, 0.7, 35.87S, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CCHI, COCH, LMEL, etc.

MAN 31 16:24:41.1, 9.93N:125.95E, h16km, mb4.3, ML3.1, MS2.8, 1D, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SCPH, SCPH, BUTP, etc.

NNC 31 16:33:22.7, 1.3736N:71.72E, h0km, mb3.6, mpv3.2, 3C-3D, Error ellipse: s-maj=54.0km s-min=40.7km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SFK, SFK, MNAS, etc.

IDC 31 16:41:28.0-1.5, 2.34S:128.27E, h0km, mb3.5/2, mb1 3.8/4, mb1mx3.3/5.1, mbtmp3.6/4, ML3.7/2, Error ellipse: s-maj=41.1km s-min=25.3km az=72.0, Ceram Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SIJI, SIJI, WRA, etc.

CSEM 31 17:08:22.8, 44.85N:11.11E, h6km, ML2.4/16, ROM 31 17:08:22.8, 0.0, 44.848N:0.001:11.107E:0.001, h6km, ML2.5/8, 4C-7D, Northern Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like T0802, T0802, T0802, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like T0818, T0818, T0818, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like T0822, T0822, T0822, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like T0803, T0803, T0823, etc.

CSEM 31 17:08:53.9, 0.4, 44.85N:11.11E, h14km, 2km, ML2.5, Error ellipse: s-maj=6.6km s-min=5.9km az=1.0, ISCB 31 17:08:54.2, 0.4, 44.93N:0.02:11.15E:0.04, h14km, 3km, Error ellipse: s-maj=4.5km s-min=3.8km az=164.8, ROM 31 17:08:54.2, 0.4, 44.860N:0.001:11.114E:0.001, h7km, ML2.5/11

PRU 31 17:08:58.1, 44.59N:12.13E, h94km, ISC 31 17:08:54.5, 0.9, 44.84N:0.003:11.11E:0.02, h14km, 4km, n46, r192/50, 3C-12D, Northern Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like T0802, T0802, T0802, etc.





Table with columns: ROSF, Station Name, Az, Phase ID, Time Res, Res. Includes stations like Rosstrenen, La Foliniere, Agolada, Quesada, etc.

Table with columns: JOPP, Station Name, Az, Phase ID, Time Res, Res. Includes stations like Joppolo, Castanea, Port Mandanici, etc.

Table with columns: HNR, Station Name, Az, Phase ID, Time Res, Res. Includes stations like Honiara, Toghuse, Kahutara, etc.

ADC 31 17:24:19.8:1.7,0:15S:132.87E,h0km,mb3.4/2,mb1.3/7.3,mb1mx3.2/5.4,mbtmp3.5/3,ML3.5/1,Error ellipse: s-maj=32.0km s-min=25.7km az=78.0,Irian

Table with columns: Code, Station Name, Az, Phase ID, Time Res, Res. Includes stations like SJIJ Sorong, WJJI Warramunga Arr, etc.

CSEM 31 17:25:17.6:38.83N:15.19E,h261km,ML2.8/16 ROM 31 17:25:17.6:38.83N:15.19E:0.04,h261km,2km,ML2.8/16,1C-ID,ISC

Table with columns: Code, Station Name, Az, Phase ID, Time Res, Res. Includes stations like VPL Vulcano Piano, VPL comp=E,174um,1.2s, etc.

ISCJB 31 17:29:56.0:0.2,17.63S:0.06:174.48W:0.07,h10km,mb4.8/61,Error ellipse: s-maj=11.6km s-min=5.1km az=36.6

NEIC 31 17:29:57.5:3.5,17.68S:174.31W,h12km,22km,mb5.0/50,Error ellipse: s-maj=8.8km s-min=4.6km az=134.0

IDC 31 17:30:01.6:2.9,17.87S:174.21W,h42km,26km,mb3.9/11,mb1.4/3.1,mb1mx3.9/5.4,mbtmp4.3/13,ML4.1/2,MS3.3/10,Ms1.3/10,mb1mx3.0/4.2,Error ellipse: s-maj=26.4km s-min=14.4km az=140.2

ISC 31 17:29:56.9:0.4,17.67S:0.08:174.32W:0.07,h10km,n107,r1932/97,mb5.0/61,1D,Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, Res. Includes stations like AFI Afiamalu, AFI 259m,0.3s,baz=321,slow=3.8,SNR=21, etc.



Table with 4 columns: Code, Station Name, Frequency, and other details. Includes stations like GEAD, MMAI, TORO, TOA1.

ISCBJ 31 17:37:29.8:0.4, 14:25N:0:05:90:42W:0:04, h254km, 3km, mb4.5/47, Error ellipse: s-maj=9.5km s-min=4.2km az=29.5

NEIC 31 17:37:30.7:0.5, 14:26N:90:40W, h242km, 4km, mb4.6/63, MD4.1(MEX), Error ellipse: s-maj=11.8km s-min=5.9km az=208.0

IDC 31 17:37:32.0:0.9, 14:54N:90:21W, h240km, 8km, mb3.6/6, mb1 3/7.8, mb1tmx3/3.50, mbtmp4.2/9, Error ellipse: s-maj=31.2km s-min=12.2km az=48.0

UCR 31 17:37:34.8:1.1, 13:80N:90:36W, h212km, 15km, MD3.8, mb4.6(NEIC)

ISC 31 17:37:30.9:0.7, 14:30N:0:08:90:38W:0:06, h243km, 5km, n267, r103/27.1, mb4.5/46, Guatemala

Main table with columns: Code, Station Name, Frequency, and other details. Lists numerous stations like IXG, APG, APG, SBLS, SNJE, BOQS, etc.

Main table with columns: Code, Station Name, Frequency, and other details. Lists numerous stations like Y45A, Y46A, 155A, Y47A, etc.

Main table with columns: Code, Station Name, Frequency, and other details. Lists numerous stations like Q39A, Q47A, P37A, T25A, etc.





Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Includes stations like MOA Mollin, LOMB Lomont, CABF La Chapelle, ARSABZ Arzberg, ARSA Arzberg, MOF Molkenrain, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Includes stations like TLIG Tlapa, MEIG Mezcala, VHO Vista Hermosa, CAIG El Cayaco, ARIG Puente Sto Nin, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Includes stations like TEOL Teolo, ROVR Rovera Verona, MARN Marana (Italy), SALO Salir, etc.

MEX 31 18:58:00.4 0.8, 16:36N, 98:47W, h56km, 31km, MD3.9, Near coast of Guerrero

IDC 31 19:04:02.0 2.0, 6.44:84N, 111:14E, h0km, mb4.1/17, mb1.4/127, mb1mx3.9/77, mbimp4.0/27, ML3.7/9, MS2.9/6, Ms1 2.9/6, ms1mx2.6/70, Error ellipse: s-maj=13.1km s-min=8.7km az=126.0

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mb4.2/30, MS3.2/5, Error ellipse: s-maj=2.6km s-min=2.2km az=116.7, GT5 selection from ISC bulletin GT5 identified by Bond 'r' and McLaughlin (2009) selection criteria Bond 'r' and McLaughlin, A new ground truth data set for seismic studies, <i>Seism. Res. Let.</i>, <b>38</b>, <b>465-472</b>, 2009

NEIC 31 19:04:04.0, 0.0, 44.89N, 10.98E, h9km, ML4.2(ROM), ML4.3(LDG), After ROM.

STR 31 19:04:05.7, 1.1, 45.1N, 11.1E, h5km, M4.6/17, mb4.9/4, mb4.8/5, MLV4.6/17, Mw(MB)4.2/4

PRU 31 19:04:05.4, 44.74N, 11.15E, h32km, ISC 31 19:04:04.8, 0.5, 44.30N, 11.00E, 0.01, h14km, 3km, h582, s126/667, mb4.2/30, MS3.2/5, 65C-62D, Northern Italy

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations and their associated data points.

Main data table with columns: Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, ISC. Contains detailed seismic event records for various stations like Dosso, Mantova, and Parma.

Table with columns: Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, ISC. Contains detailed seismic event records for stations like Fontana Vidola, Marana, and Imola.







Table with columns for station name, frequency, and other technical details. Includes stations like Saint Saultje, Saint Agoulin, Saint Saultje, etc.

Table with columns for station name, frequency, and other technical details. Includes stations like Trudelj, Piszkesteto, Piszkesteto, etc.

Table with columns for station name, frequency, and other technical details. Includes stations like AKTO Aktyubinsk, TORD Torodi Ar, SVE Sverdlovsk, etc.

31d 19h

Table with columns: TLIG, APG, JTS, 833A, 435B, TXAR, WHXT, LPIG, ABTX, 251A, 150A, MNXX, 252A, X39A, Z49A, Z50A, 254A, W39A, Y48A, W41B, Y49A, V39A, V40A, AMTX, V41A, V42A, X49A, U39A, U40A, U41A, U42A, V46A, S47C, VJCC, T38A, DBBC, T39A, WVT, T41A, T40A, T42A, T43A, S38A, ANMO, S40A, S39A, S41A, TUC, S43A, ZARC, S42A, T47A, R38A, CCM, R39A, R40A, T48A, YOTO, R42A, PTBC, Q38A, S48A, Q39A, Q41A, OTAV, Q44A, R47A, WCI, P37A, RUSC, O41A, CHIC, P46A, N38A, N41A, N39A, SDV, SDV, M38A, M40A, L36A, L38A, K36A, N23A, J36A

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Table with columns: J38A, ECSD, I32A, ATAH, G39A, PDAR, F36A, F38A, NVAR, E40A, D35A, RLMT, C35A, SADO, C36A, C38A, C31A, C40A, B35A, B32A, A33A, A32A, HRV, ULM, ULM, YBH, SAML, LPZA, LPZA, SCHO, SIV, YKA, YKA, CPUP, CPUP, INK, INK, SFJD, RES, RES, ILAR, ILAR, PLCA, PLCA, EKA, SPITS, ECSD, MDT, NB2, NOA, NOA, NOA, ARCES, ARCES, HFS, HFS, SEY, SEY, KOWA, KOWA, TIXI, MA2, MA2, CLL, CLL, BRG, BRG, FINES, FINES, GERES, GERES, GERES, GERES, TRAC, TRAC, AKAS, STKA, WRA, ASAR, MEX 31 19:30:36.9, 0.4, 18.53N x 101.53W, h74km, 9gkm, MD4.0, Guerrero

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Table with columns: EZSV, EZSV, YAIG, YAIG, NIED 31 19:43:00.36, 0.0N, 139.50E, h50km, Mw3.8, Best double couple: M6.42000, 1.014, NP1: 279.00000, 838.00000, 1.120.00000, NP2: 64.00000, 859.00000, 7.0.00000, ISCJB 31 19:43:09.0, 0.5, 35.96N, 0.03, 139.58E, 0.07, h63km, 4km, mb3, 6.10, Error ellipse: s-maj=10.2km s-min=5.6km az=171.0, IDC 31 19:43:10.3, 1.6, 35.92N, 139.52E, h60km, 13km, mb3, 3.10, mb1 3.6/12, mb1mx3.6/9, mbtmp3.8/12, MS3.0/2, Ms1 3.0/2, ms1mx2.4/37, Error ellipse: s-maj=25.5km s-min=7.2km az=62.0, JMA 31 19:43:11.1, 1.0, 1.35, 98N, 139.55E, h44km, 1km, M3.5 Broadband fault plane solution: P waves, NP1: 69.00000, 358.00000, 1.82.00000, NP2: 262.00000, 833.00000, 1.102.00000, Principal axes: T P1: 76.00000, Azm13.00000, N P1: 6.00000, Azm73.00000, P P1: 12.00000, Azm164.00000, JMA Felt 1.1, ISC 31 19:43:09.9, 0.8, 35.95N, 139.56E, 0.07, h55km, 6km, n25, 0.833, 0.0, mb3.7, 10, C-1D, SNR south of eastern Honshu



Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like OZLU, UDBI, SOKA, MBDF, etc.

NIED 31 19:54:00, 35:70N, 141:90E, h8km, Mw3.9 Best double couple: M7.150000\*10^4 NP2:122.00000\*, 839.00000\*, lambda=125.00000\*
IDC 31 19:54:20.8, 1.1, 35:60N, 141:73E, h0km, mb3.7/8, mb1 3.9/11, mb1mx3.6/71, mbtmp3.8/11, ML4, 1/3, MS2.9/7, Ms1 2.9/7, ms1mx2.6/67, Error ellipse: s-maj=25.9km s-min=16.6km az=82.0
ISCJB 31 19:54:21.9, 1.5, 35:64N, 0:03, 141:92E, 0:08, h26km, 10km, mb3.7/9, MS3.1/3, Error ellipse: s-maj=10.3km s-min=5.7km az=175.1
NEIC 31 19:54:22.6, 6.3, 35:54N, 141:78E, h14km, 39km, mb4.4/1, Error ellipse: s-maj=2.1km s-min=1.07km az=62.0
JMA 31 19:54:22.5, 0.3, 35:73N, 141:88E, h22km, 3km, M3.8
ISC 31 19:54:22.3, 2.0, 35:53N, 0:05, 141:80E, 0:07, h14km, 12km, n36, c109/31, mb3.7/9, MS3.2/3, Near east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like CHOU, BOSO, JHO, etc.

IDC 31 20:03:23.6, 6.9, 18:44S, 178:40W, h0km, mb3.9/2, mb1 4.2/2, mb1mx3.4/54, mbtmp3.9/2, Error ellipse: s-maj=283.8km s-min=61.6km az=143.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like WRA, ASAR, ULM, etc.

MEX 31 20:05:09.7, 0.8, 16:44N, 95:63W, h133km, 23km, MD3.8, Oaxaca

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like HUIG, VHO, PCIG, etc.

SOME 31 20:10:36.7, 41:83N, 79:70E, h10km KRNET 31 20:10:37.2, 0.1, 41:81N, 79:80E, h19km, mb2.6
ISCJB 31 20:10:38.4, 1.0, 41:87N, 0:04, 79:90E, 0:06, h10km, Error ellipse: s-maj=7.8km s-min=4.4km az=136.0
NNC 31 20:10:39.2, 9.2, 42:00N, 79:62E, h0km, mb2.9, mpv2.7, Error ellipse: s-maj=22.3km s-min=12.5km az=128.0
ISC 31 20:10:40.3, 1.7, 42:02N, 0:07, 79:68E, 0:06, h10km, n26, c1541/49, 17C-8D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like WRA, ASAR, ULM, etc.

Table with columns: DJR, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like IZV, ULHL, MTBS, etc.

IDC 31 20:12:40.2, 2.5, 43:24N, 105:23W, h0km, mb1 3.7/2, mb1mx3.0/65, mbtmp3.5/2, ML3.3/2, Error ellipse: s-maj=50.3km s-min=9.8km az=156.0
NEIC 31 20:12:42.1, 0.7, 43:50N, 105:20W, h0km, ML2.7, Error ellipse: s-maj=12.4km s-min=8.3km az=162.0, Suspected Mining explosion.
NEIC 83 km [52 miles] N of Douglas.
ISC 31 20:12:39.8, 1.3, 43:33N, 0:1, 105:01W, 0:09, h0km, n8, c069/7, Wyoming

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like RSDS, OGDG, BW06, etc.

ISCJB 31 21:11:06.3, 0.6, 50:14N, 0:04, 19:03E, 0:03, h0km, Error ellipse: s-maj=6.2km s-min=2.8km az=16.1
CSEM 31 21:11:07.0, 4.0, 50:13N, 19:09E, h2km, ML2.5/6, Error ellipse: s-maj=8.2km s-min=4.1km az=12.0
PRU 31 21:11:08.4, 50:13N, 19:09E, h0km
WAR 31 21:11:08.7, 50:10N, 19:20E, h1km, Mw2.3
ISC 31 21:11:08.2, 0.8, 50:07N, 0:03, 19:11E, 0:02, h0km, n25, c1502/43, Poland

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like CHZP, CHZP, etc.

ISCJB 31 21:11:06.3, 0.6, 50:14N, 0:04, 19:03E, 0:03, h0km, Error ellipse: s-maj=6.2km s-min=2.8km az=16.1
CSEM 31 21:11:07.0, 4.0, 50:13N, 19:09E, h2km, ML2.5/6, Error ellipse: s-maj=8.2km s-min=4.1km az=12.0
PRU 31 21:11:08.4, 50:13N, 19:09E, h0km
WAR 31 21:11:08.7, 50:10N, 19:20E, h1km, Mw2.3
ISC 31 21:11:08.2, 0.8, 50:07N, 0:03, 19:11E, 0:02, h0km, n25, c1502/43, Poland

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like LANS, CHZP, etc.

ISK 31 21:14:23.2, 37:80N, 26:79E, h6km, ML3.2/13
DDA 31 21:14:23.1, 37:82N, 26:79E, h7km, M3.2
CSEM 31 21:14:23.6, 0.2, 37:81N, 26:79E, h10km, ML3.2, Error ellipse: s-maj=4.4km s-min=3.0km az=80.0
ISCJB 31 21:14:23.2, 0.4, 37:81N, 0:02, 26:77E, 0:03, h9km, 4km,





31d 23h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like ETOS Mallorca, EBER Berja, SESP Santiago Espad, etc.

IDC 31 22:07:49.7.9.1.9.60S.118.67E.h16km.8gkm.mb2.7/2, mb1 2.9/4, mb1mx2.7/57, mbtmp3.3/4, ML3.4/2, Error ellipse: s-maj=90.3km s-min=31.9km az=61.0, Sumbawa region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like BATI Baumata, WRA Warramunga Arr, ASAR Alice Springs, etc.

MEX 31 22:33:45.1-0.7, 16.39N-97.89W, h16km.45km, MD3.9, Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like VHO Vista Hermosa, TLIG Tlapa, ACX Acapulco, etc.

IDC 31 22:37:11.2.4.8.36.34N.70.36E, h171km.43km, mb3.3/8, mb1 3.2/13, mb1mx2.9/73, mbtmp3.8/13, Error ellipse: s-maj=47.0km s-min=31.1km az=141.0, ISCJB 31 22:37:15.2.0.6.36.71N.0.04.70.40E.0.08, h204km, mb3.4/7, Error ellipse: s-maj=8.9km s-min=5.1km

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like SFK Sufi-Kurgan, MNAS Manas, KK31 Karatay Array, etc.

IASPEI 31 22:41:16.9.0.8.34.10N.0.02.117.91W.0.02, h16km.6km, Error ellipse: s-maj=3.5km s-min=2.3km az=21.8, G75 selection from ISC bulletin G75 identified by Bond jr and McLaughlin (2009) selection criteria Bond jr and McLaughlin, A new ground truth data set for seismic studies, <i>Seism. Res. Lett.</i>, <b>80</b>,<b>465-472, 2009

ISCJB 31 22:41:16.5.0.3.34.07N.0.01.117.92W.0.02, h9km.2km, Error ellipse: s-maj=2.7km s-min=1.9km az=31.7, NEIC 31 22:41:17.3.0.0.34.11N.117.92W, h13km, ML2.7(PAS), Error ellipse: PAS

NEIC Felt at Avalon, Baldwin Park, Duarte, Glendora, Los Angeles, Monrovia, Pasadena, Torrance and Whittier. ISC 31 22:40:17.1.0.8.34.10N.0.02.117.91W.0.02, h14km.5km, n71, c0880/108, Southern California

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like PEM Pine Mountain, PSRC Puddingstone R, CACC Caltech Cellar, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like PFO PFO, ABL Mount Abel, HWB Hans Werner Br, etc.

IDC 31 22:49:15.7.1.3.627S.123.51E, h0km, mb3.3/2, mb1 3.6/5, mb1mx3.2/58, mbtmp3.5/5, ML3.3/3, Error ellipse: s-maj=99.7km s-min=21.9km az=66.0, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like BATI Baumata, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 31 22:53:09.8.1.6.27.43N.100.46E, h0km, mb3.4/4, mb1 3.6/4, mb1mx3.1/75, mbtmp3.4/4, Error ellipse: s-maj=81.4km s-min=24.4km az=68.0, Yunnan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like SONM Songino Array, WRA Warramunga Arr, ASAR Alice Springs, etc.

BJI 31 23:00:55.8.1.1.19S.133.37E, h30km, mb5.2/78, mb5.4/64, M5.0/60, M5.7/4.8/73, MOS 31 23:00:59.6.1.2.0.86S.133.12E, h36km, mb5.6/50, M5.4/715, Error ellipse: s-maj=9.4km s-min=4.9km az=111.8

IDC 31 23:01:00.9.2.1.0.82S.133.20E, h32km.15km, mb4.8/35, mb1 4.9/39, mb1mx4.7/54, mbtmp5.0/39, ML4.6/2, MSK.8/44, M5.1.4.8/44, ms1mx4.7/52, Error ellipse: s-maj=12.6km s-min=8.5km az=74.0

ISCJB 31 23:01:00.6.0.6.0.86S.0.02.133.21E.0.03, h46km.5km, mb5.3/162, M5.0/155, Error ellipse: s-maj=4.8km s-min=3.6km az=154.9, NEIC 31 23:01:03.4.0.6.0.90S.133.18E, h53km.6km, mb5.5/72, M5.5/196, Error ellipse: s-maj=5.1km s-min=3.8km az=54.0

NEIC Felt [IV] at Manokwari and IJII at Sorong. GCMT 31 23:01:03.4.0.1.0.70S.133.27E, h34km, MW5.6/129, Moment Tensor Solution, s127.c224; s129.c285; Duration: 1s6 Moment tensor: Scale 10^17Nm; Mrr: 1.65e.04; Mth: 2.26e.03; Mtt: 0.02e.04; Mtr: 0.35e.05; Mtr: 1.82e.03; Mtr: 1.87e.06; Best double couple: M3.31600x10^17 NP1: 0.330.00000; 0.69.00000; 1.132.00000. NP2: 0.81.00000; 0.46.00000; 1.29.00000. Principal axes: T 3.2120, P1g48.0000; Azm285.0000; N 0.2070, P1g39.0000; Azm132.0000; P -3.4210, P1g4.0000; Azm30.0000; nsta refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=500s.

ISC 31 23:01:04.0.2.0.88S.0.03.133.23E.0.04, h40km.2km, h40km;P-P, n558, 1980/558, mb5.4/168, M5.0/156, 44C-11D, Irian Jaya region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like SIJI Sorong, FAKI Fak Fak, TNTI Ternate, SAUI Saumlaki, etc.

JAY	Jayapura	7.65 102	Pn	Pn	23 02 50.5 +0.1
JAY	1.3nm, 0.3s, baz=246, slow=12, SNR=5.8				
JAY	baz=220, slow=20, SNR=1.6				
JAY	comp=Z, 22um, 19.7s, baz=294, slow=40		LR	LR	23 06 06.6
MATI	Mati	10.43 318	eP	Pn	23 03 33.6 +5.0
DAV	Davao City (W)	10.98 316	eP	Pn	23 03 39.9 +3.5
DAV	58nm, 0.3s, baz=129, slow=2.4, SNR=23				
DAV	72nm, 0.3s, baz=220, slow=17, SNR=2.7				
DAV	Davao City (W)	10.98 316	eP	Pn	23 03 40.2 +4.1
DAV	SNR=1				
DAV	Davao City (W)	10.98 316	eP	Pn	23 03 40.2 +4.1
DAV	SNR=16				
BUKP	Musan	11.91 317	eP	Pn	23 03 51.8 +2.8
MTN	Manton Dam	12.07 190	eP	Pn	23 03 49.6 -1.4
MTN			eSn	Pn	23 06 02.1 -2.3
BUTP	Banton	12.37 322	eP	Pn	23 03 59.5 +4.3
SOEI	Soe	12.54 225	ePn	Pn	23 03 59.8 +2.2
SOEI			eSn	Pn	23 06 20.0 +3.9
PAGZ	Pagadian	13.10 312	eP	Pn	23 04 04.8 +0.3
BATI	Baumana	13.29 225	eP	Pn	23 04 08.0 -0.9
BATI	91nm, 0.3s, baz=103, slow=1.6, SNR=280				
BATI	baz=140, slow=20, SNR=2.1				
BATI	comp=Z, 7um, 21.7s, baz=81, slow=39		LR	LR	23 09 43.4
MMRI	Maumere	13.39 235	ePn	Pn	23 04 10.7 +1.7
KAPI	Kappang	14.07 253	ePn	Pn	23 04 20.9 +2.6
MANU	Mamus Island	14.18 95	eP	Pn	23 04 26.1 -0.5
GUIM	Jordan	15.58 317	eP	Pn	23 04 38.1 -0.2
MYLDM	Lahad Datu	15.89 292	ePn	Pn	23 04 44.7 -1.0
RCP	Roxas	16.16 320	eP	P	23 04 47.9 -0.7
PMG	Port Moresby	16.25 122	eP	P	23 04 49.2 -0.3
PMG	1.5nm, 0.3s, baz=328, slow=10, SNR=13				
PMG	comp=Z, 1.0um, 18.8s, baz=327, slow=46		LR	LR	23 13 28.1
PMG	Port Moresby	16.25 122	ePn	P	23 04 49.9 +0.4
PMG	483nm, 1.3s				
CHAI	Port Moresby	16.25 122	eP	P	23 04 48.6 -0.9
PMG	comp=Z, 1um, 1.7s				
COEN	Coen	16.30 143	ePn	Pn	23 04 47.4 -0.2
COEN	comp=Z, 137nm, 1.3s				
COEN	Virac	16.96 328	eP	Sn	23 07 37.4 -1.0
PVCP	San Jose	17.89 318	eP	Pn	23 04 56.3 +0.4
SJMP	Bataraja	18.13 302	eP	Pn	23 05 09.8 +2.1
BATP	Boac	18.23 312	eP	Pn	23 05 10.9 +0.5
IBAC	El Nido	18.23 312	eP	Pn	23 05 11.9 +0.3
ENPP	Kota Kinabalu	18.33 292	eP	Pn	23 05 14.7 +1.8
KKM	Guam	18.43 38	P	Pn	23 05 17.9 +3.9
GUMO	comp=Z, 4.1nm, 0.3s, baz=257, slow=14, SNR=3.5				
FITZ	Fitzroy Crossi	18.67 203	eP	P	23 05 14.1 -2.2
FITZ	comp=Z, 1.65nm, 0.9s				
WRAB	Tennant Creek	18.97 177	eP	P	23 05 19.6 0.0
WRAB	comp=Z, 465nm, 1.5s				
WRAB	Tennant Creek	18.97 177	eP	Pmax	23 05 19.3 -0.3
WRAB	comp=Z, 97nm, 1.0s				
WRA	Warramunga Arr	18.98 177	eP	P	23 05 18.6 -1.1
WRA	comp=Z, 4.4nm, 0.3s, baz=356, slow=12, SNR=74				
WRA	comp=Z, 4.5nm, 0.3s, baz=356, slow=23, SNR=5.4				
WRA	comp=Z, 5um, 19.6s, baz=15, slow=42		LR	LR	23 14 11.7
WB2	Warramunga Arr	18.98 177	eP	P	23 05 19.7 0.0
WB2	comp=Z, 520nm, 1.4s				
RABL	Rabaul	19.20 100	eP	Pn	23 05 24.4 +1.1
RABL	comp=Z, 208nm, 0.6s				
TGY	Tagaytay City	19.23 321	eP	Pn	23 05 23.8 +0.1
TGY	comp=Z, 27nm, 0.3s, baz=116, slow=7.8, SNR=6.0				
LUBP	Lubang	19.40 319	eP	Pn	23 05 25.4 -0.2
BALP	Baler	20.13 326	eP	P	23 05 33.2 +1.0
JAGI	Jajag, Banyuana	20.44 248	eP	P	23 05 35.8 +0.1
JAGI	comp=Z, 958nm, 1.5s				
SCUZ	Santa Cruz	21.14 322	eP	P	23 05 43.7 +0.5
SBUM	Sibu	21.26 279	eP	P	23 05 46.8 +2.2
SBUM	comp=Z, 500nm, 1.5s				
APYP	Conner	22.05 328	eP	P	23 05 51.5 -1.4
AS31	Alice Springs	22.66 178	eP	P	23 05 59.9 +0.4
AS01	Alice Springs	22.66 178	eP	P	23 05 59.9 +0.4
ASAR	Alice Springs	22.66 178	eP	P	23 05 59.9 +0.3
ASAR	comp=Z, 110nm, 0.7s, baz=5.7, slow=12, SNR=408				
ASAR	comp=Z, 15nm, 0.9s, baz=356, slow=25, SNR=3.4				
ASAR	SNR=11				
CTA	Charters Tower	22.96 147	eP	P	23 06 03.8 +1.2
CTA	comp=Z, 6um, 18.4s, baz=354, slow=40				
CTA	comp=Z, 23nm, 0.7s, baz=330, slow=11, SNR=18				
CTA	comp=Z, 6um, 18.2s, baz=320, slow=42				
CTAO	Charters Tower	22.96 147	eP	P	23 06 04.4 +1.8
CTAO	comp=Z, 690nm, 0.9s				
CTAO	Charters Tower	22.96 147	eP	Pmax	23 06 04.4 +1.8
CTAO	comp=Z, 88nm, 0.9s				
KSM	Kuching	23.04 276	eP	P	23 06 04.2 +0.7
KSM	comp=Z, 222nm, 1.3s				
SMRI	Semarang	23.54 254	eP	P	23 06 09.9 +1.5
UGM	Wanagana	23.68 252	eP	P	23 06 10.5 +0.7
UGM	comp=Z, 87nm, 1.4s				
MBWA	Marble Bar	24.08 212	eP	P	23 06 14.3 +1.0
MBWA	comp=Z, 156nm, 0.9s				
MBWA	Marble Bar	24.08 212	eP	LR	23 06 14.4 +1.0
MBWA	comp=Z, 6um, 20.0s				
MBWA	SNR=11				
MBWA	Marble Bar	24.08 212	eP	P	23 06 14.4 +1.0
CISI	Cisompet, Garu	26.18 255	eP	P	23 06 32.1 -0.5
LEM	Lembang	26.22 256	eP	P	23 06 33.5 +0.4
LEM	comp=Z, 31nm, 0.6s, baz=86, slow=6.9, SNR=14				
LEM	comp=Z, 4um, 21.3s, baz=58, slow=40				
SSLB	Suanglung	27.26 335	eP	P	23 06 40.7 -1.5
SSLB	comp=Z, 89nm, 1.4s				
HNR	Honiarra	27.91 109	P	P	23 06 48.5 +0.4
HNR	comp=Z, 50nm, 0.3s, baz=16, slow=5.4, SNR=5.7				
HNR	comp=Z, 50nm, 0.3s, baz=16, slow=5.4, SNR=5.7				
HNR	comp=Z, 2um, 19.8s, baz=274, slow=39				
JOW	Kunigami	27.96 351	LR	LR	23 15 39.0
JOW	comp=Z, 6um, 21.6s, baz=163, slow=32				
QZH	Quanzhou	29.32 332	P	P	23 07 03.5 +3.0
QZH			S	Pmax	23 11 49.5 -1.8
QZH	comp=Z, 600nm, 4.9s				
QZH	comp=Z, 2um, 15.2s		LR	LR	
QZH	comp=Z, 820nm, 17.5s				
QZH	comp=Z, 2um, 16.7s		LR	LR	
MYKOM	Kota Tinggi	29.50 275	eP	P	23 07 03.0 +0.8
EIDS	Eidsvold	29.83 146	eP	P	23 07 07.1 +2.1
QIZ	Qiongzong	30.31 312	P	P	23 07 09.0 -0.4
QIZ	comp=Z, 54nm, 1.3s				
QIZ	comp=Z, 31nm, 1.0s				
QIZ	comp=Z, 440nm, 4.3s				
QIZ	comp=Z, 1um, 16.7s		LR	LR	
QIZ	comp=Z, 820nm, 17.5s		LR	LR	
QIZ	comp=Z, 2um, 16.7s		LR	LR	
QIZ	comp=Z, 1um, 15.2s		LR	LR	
QIZ	Qiongzong	30.31 312	eP	P	23 07 08.8 -0.6
QIZ	comp=Z, 124nm, 1.5s				
GZH	Guangzhou	30.69 322	P	P	23 07 15.0 +2.4
UBPT	Khong Chiam	31.79 301	P	P	23 07 21.7 -0.7
UBPT	comp=Z, 42nm, 1.7s, comp=Z, 1um				
STKA	Stephens Creek	31.83 166	P	P	23 07 21.9 -0.7
STKA	comp=Z, 35nm, 0.7s, baz=339, slow=8.6, SNR=89				

STKA	comp=Z, 9um, 18.4s, baz=338, slow=39		LR	LR	23 21 50.6
STKA	Stephens Creek	31.83 166	eP	P	23 07 22.5 -0.1
BBOO	Buckloo	31.88 175	eP	P	23 07 23.3 +0.3
BBOO	comp=Z, 54nm, 0.7s				
BKNI	Bangkinang	32.21 272	eP	P	23 07 25.7 -0.4
BKNI	comp=Z, 158nm, 0.5s				
IPM	Iphoh	32.61 280	eP	P	23 07 29.9 +0.1
IPM	comp=Z, 288nm, 1.1s				
KULM	Kulim	33.11 281	eP	P	23 07 34.2 +0.2
KULM	comp=Z, 101nm, 1.2s				
SKLT	Songkhla	33.50 284	P	P	23 07 37.5 +0.1
SKLT	comp=Z, 118nm, 1.2s, comp=Z, 5um				
CHBT	CHBT	33.51 295	P	P	23 07 39.7 +2.2
CHBT	comp=Z, 160nm, 2.0s, comp=Z, 100um				
SSE	Sheshan	33.79 341	P	S	23 07 38.0 -1.7
SSE			S	Pmax	23 12 59.0 -1.9
SSE	comp=Z, 30nm, 0.8s				
SSE	comp=Z, 430nm, 6.5s				
SSE	comp=Z, 730nm, 16.0s		LR	LR	
SSE	comp=Z, 950nm, 16.0s		LR	LR	
JNU	Nakatsue	33.89 356	P	P	23 07 38.7 -1.9
JNU	comp=Z, 14nm, 1.2s, baz=214, slow=6.4, SNR=3.7				
JNU	comp=Z, 1um, 20.7s, baz=170, slow=32				
JNU	Nakatsue	33.89 356	eP	P	23 07 40.7 +0.1
JNU	comp=Z, 45nm, 1.2s				
ARMA	Armidale	34.19 151	eP	P	23 07 45.8 +2.5
ARMA	comp=Z, 42nm, 0.9s				
SRAK	Srakaew	34.25 297	P	P	23 07 40.1 -3.8
HJH	Hachiojima 2	34.37 10	LR	LR	23 18 51.0
HJH	comp=Z, 3um, 19.5s, baz=195, slow=3				
PSI	Prapat	34.49 276	P	P	23 07 45.2 -1.0
PSI	comp=Z, 44nm, 1.0s, baz=69, slow=0.0, SNR=31				
PSI	Prapat	34.49 276	eP	P	23 07 44.7 -1.5
PSI	comp=Z, 130nm, 1.2s				
PSI	Prapat	34.49 276	eP	Pmax	23 07 44.7 -1.5
PSI	comp=Z, 130nm, 1.2s				
TRTT	Trang	34.55 285	P	P	23 07 46.2 -0.3
TRTT	comp=Z, 38nm, 1.4s				
CHAI	Chaiyaphum	35.07 300	P	P	23 07 51.6 +0.6
CHAI	comp=Z, 7.7nm, 1.4s				
NONG	Nongkai	35.08 304	P	P	23 07 50.6 -0.4
NONG	comp=Z, 32nm, 2.2s				
NWAO	Narogin (SRO)	35.26 204	P	P	23 07 53.1 +0.7
NWAO	comp=Z, 44nm, 0.9s, baz=318, slow=12, SNR=15				
NWAO	Narogin (SRO)	35.26 204	LR	LR	23 25 26.7
NWAO	comp=Z, 2um, 18.1s, baz=260, slow=42				
NWAO	Narogin (SRO)	35.26 204	eP	P	23 07 51.6 -0.8
NWAO	comp=Z, 58nm, 0.8s				
NWAO	Narogin (SRO)	35.26 204	eP	Pmax	23 07 51.6 -0.8
NWAO	comp=Z, 58nm, 0.9s				
NJ2	Nanjing	35.47 339	eP	P	23 07 55.0 +0.8
NJ2			pP	pP	23 08 02.0 -3.3
NJ2			sP	sP	23 08 06.0 -4.1
NJ2			S	S	23 13 28.8 +2.1
NJ2	comp=Z, 23nm, 0.7s				
NJ2	comp=Z, 390nm, 5.2s				
NJ2	comp=Z, 2um, 16.7s		LR	LR	
NJ2	comp=Z, 1um, 10.6s		LR	LR	
NJ2	comp=Z, 2um, 19.6s				
GSJ	Gunungsitoli	35.72 273	eP	P	23 07 55.7 -0.9
GSJ	comp=Z, 66nm, 1.3s				
PHET	Kaeng Krachan	36.03 293	P	P	23 08 01.6 +2.3
PHET	comp=Z, 110nm, 0.9s, comp=Z, 141nm				
WHN	Wuhan	36.05 332	eP	P	23 08 00.5 +1.3
WHN			S	S	23 13 38.3 +2.7
WHN	comp=Z, 290nm, 1.8s				
WHN	comp=Z, 500nm, 4.3s				
WHN	comp=Z, 1um, 15.3s				
WHN	comp=Z, 3um, 14.0s				
WHN	comp=Z, 2um, 13.6s				
INU	Inuyama	36.21 5	eP	P	23 08 02.4 +1.9
INU	comp=Z, 17nm, 0.9s				
PBKT	Sadao Pong	36.24 300	P	P	23 08 00.7 -0.3
PBKT	comp=Z, 2nm, 1.7s, comp=Z, 757nm				
PBKT	Sadao Pong	36.24 300	eP	P	23 07 59.5 -1.6
PBKT	comp=Z, 31nm, 1.4s				
LHMI	Lhok Sumawe	36.74 280	eP	P	23 08 06.4 +1.0
LHMI	comp=Z, 290nm, 1.1s				
PHIT	Phitsanulok	36.98 301	P	P	23 08 07.7 +1.3
PHIT	comp=Z, 16nm, 1.0s, comp=Z, 197nm				
SRDT	SRDT	37.00 295	P		

31d 23h

MDJ	comp-Z,610nm,16.3s	LR	LR				
MDJ	comp-Z,980nm,19.0s	LR	LR				
MDJ	Mudanjiang	45.41 356	PFAKE	LR	LR	23 09 30.0	+14
MDJ	comp-Z,843nm,19.0s			LR	LR		
LKP	Lekhapani	45.59 311	eP	P	P	23 09 17.6	-0.3
LZH	Lanzhou	45.83 326	eP	P	P	23 09 20.5	+0.6
LZH			sP	sP	sP	23 09 34.3	-1.7
LZH			eP	eP	eP	23 09 37.8	+6.5
LZH			PcP	PcP	PcP	23 10 58.3	+1.4
LZH			PP	PP	PP	23 11 13.5	+5.7
LZH			eS	S	S	23 16 02.3	+0.9
LZH			sS	S	S	23 16 23.5	+3.2
LZH			ScS	ScS	ScS	23 19 12.0	-1.6
LZH			SS	SS	SS	23 19 19.5	+6.5
LZH	comp-Z,110nm,1.3s			LR	LR		
LZH	comp-Z,2um,19.5s			LR	LR		
LZH	comp-Z,2um,18.4s			LR	LR		
LZH	comp-Z,2um,19.5s			LR	LR		
HHC	Hu-ho-hao-te	45.97 337	P	P	P	23 09 21.8	+1.0
HHC			pP	pP	pP	23 09 31.5	-0.8
HHC			sP	sP	sP	23 09 35.5	-1.5
HHC			PP	PP	PP	23 11 10.0	+0.8
HHC			S	S	S	23 16 04.5	+1.4
HHC			sS	S	S	23 16 20.8	-1.3
HHC			ScS	ScS	ScS	23 19 12.0	-1.6
HHC			SS	SS	SS	23 19 21.5	-7.0
HHC			pmax	pmax	pmax		
HHC	comp-Z,32nm,1.1s			pmax	pmax		
HHC	comp-Z,190nm,5.1s			LR	LR		
HHC	comp-Z,460nm,15.1s			LR	LR		
HHC	comp-Z,210nm,16.7s			LR	LR		
HHC	comp-Z,580nm,17.1s			LR	LR		
YUK	Yuzh-Kuril'sk	46.12 13	eP	P	P	23 09 21.1	-0.7
FUNA	Funafuti	46.40 101	PFAKE	LR	LR	23 09 40.0	+16
FUNA				LR	LR		
JORH	JORHAT	46.51 309	eP	P	P	23 09 24.6	-0.6
BELO	BELONIA	47.17 303	eP	P	P	23 09 37.0	+6.6
ZIRO	ZIRO	47.20 310	IAMB	IAMB	IAMB	23 09 39.0	-0.1
ZIRO				IAMB	IAMB	23 09 33.7	
TEZP	TEZPUR	47.58 308	eP	P	P	23 09 32.2	-1.3
TEZP			IAMB	IAMB	IAMB	23 09 33.4	
AGT	Agartala	47.60 304	eP	P	P	23 09 31.3	-2.4
KUR	Kuril'sk	47.71 14	eP	P	P	23 09 37.0	+2.8
KUR			i*PP	pP	pP	23 09 43.7	-2.0
KUR			i	S	S	23 11 32.6	
KUR			eS	S	S	23 16 25.4	-2.2
KUR	comp-Z,516nm,5.2s			MLR	MLR		
SHL	Shillong	47.82 306	eP	P	P	23 09 34.4	-1.2
SHL			IAMB	IAMB	IAMB	23 09 36.2	
SHL	comp-Z,182nm,1.9s			P	P	23 09 35.0	-0.6
SHL			iP	P	P	23 16 22.0	-8.1
SHL			iS	S	S	23 09 34.0	-1.0
SHL	Shillong	47.82 306	eP	P	P	23 09 34.6	-1.0
SHL				pmax	pmax		
SHL	comp-Z,122nm,1.4s			pmax	pmax		
GUWA	GUWAHATI	48.26 307	eP	P	P	23 09 36.2	-2.6
YSS	Yuzh-Sakhalins	48.36 9	P	P	P	23 09 41.8	+2.6
YSS				P	P	23 09 46.1	+6.9
YSS			e*SP	sP	sP	23 10 01.1	+5.7
YSS			eS	S	S	23 16 41.7	+5.0
YSS			e	S	S	23 19 29.8	
YSS	comp-Z,50nm,0.6s			pmax	pmax		
YSS	comp-Z,440nm,5.1s			MLR	MLR		
YSS	comp-Z,600nm,18.0s			MLR	MLR		
TURI	Tura	49.07 306	eP	P	P	23 09 44.5	-0.5
TURI			IAMB	IAMB	IAMB	23 09 46.1	
KLR	Kul'dur	49.93 359	P	P	P	23 09 51.5	+0.3
LSA	Lhasa	50.34 311	P	P	P	23 09 55.5	+0.3
LSA			pmax	pmax	pmax		
LSA	comp-Z,50nm,1.8s			P	P	23 09 56.0	+0.8
LSA	comp-Z,192nm,1.6s			LR	LR		
LSA	comp-Z,343nm,20.0s			P	P	23 09 55.7	+0.5
LSA	Lhasa	50.34 311	eP	P	P	23 09 56.0	+0.8
LSA			pmax	pmax	pmax		
LSA	comp-Z,192nm,1.6s			MLR	MLR		
LSA	comp-Z,343nm,20.0s			MLR	MLR		
GTA	Gaotai	50.43 326	IP	P	P	23 09 55.8	+0.4
GTA			pP	pP	pP	23 10 05.0	-1.9
GTA			sP	sP	sP	23 10 09.0	-2.6
GTA			PcP	PcP	PcP	23 11 14.8	+1.5
GTA			PP	PP	PP	23 11 53.5	+2.1
GTA			ScP	ScP	ScP	23 15 07.8	+1.5
GTA			S	S	S	23 17 06.0	-0.4
GTA			sS	S	S	23 17 24.0	-1.5
GTA			ScS	ScS	ScS	23 19 44.0	+0.5
GTA			SS	SS	SS	23 20 39.8	-1.0
GTA	comp-Z,44nm,1.5s			pmax	pmax		
GTA	comp-Z,470nm,5.0s			LR	LR		
GTA	comp-Z,490nm,18.1s			LR	LR		
GTA	comp-Z,430nm,19.0s			LR	LR		
GTA	comp-Z,880nm,19.5s			LR	LR		
GTK	Tadong	51.23 307	eP	P	P	23 10 00.6	-1.0
GTK			IAMB	IAMB	IAMB	23 10 02.1	
HIA	Hailar	51.29 349	PFAKE	LR	LR	23 10 10.0	+8.5
HIA				LR	LR		
GRNR	Gorny	51.52 3	iP	P	P	23 10 04.2	+1.0
CHLP	Challanipeta	52.01 294	eP	P	P	23 10 07.1	-0.3
BOK	Bokaro	52.08 301	eP	P	P	23 10 06.3	-1.5
BOK			IAMB	IAMB	IAMB	23 10 09.7	
PALK	Pallekele	53.02 280	LR	LR	LR	23 34 13.6	
PALK			LR	LR	LR		
PALK	Pallekele	53.02 280	P	P	P	23 10 14.5	-0.4
JIRN	Jiri	53.32 306	eP	P	P	23 10 16.5	-0.9
ULN	Ulanbaatar	53.63 338	eP	P	P	23 10 20.1	+1.0
ULN				P	P	23 10 20.0	+1.0
ULN	Ulanbaatar	53.63 338	P	P	P	23 10 20.0	+1.0
ULN				P	P	23 10 20.2	+1.2
ULN			i*PP	pP	pP	23 10 29.7	-0.9
ULN			i*SP	sP	sP	23 10 33.6	-1.7
ULN			pmax	pmax	pmax		
GUN	Gumba	53.67 306	eP	P	P	23 10 18.8	-1.1
SOMM	Songino Array	53.85 338	P	P	P	23 10 20.9	+0.3
SOMM				LR	LR	23 33 34.6	
SOMM	comp-Z,1um,19.5s,baz=145,slow=36			LR	LR		
SONA1	Songino Array	53.86 338	eP	P	P	23 10 20.5	-0.2
PKI	Pulchoki	53.91 306	eP	P	P	23 10 20.9	-0.8
PKI				P	P	23 10 20.9	-0.8
PVM	Polavaram	53.92 292	eP	P	P	23 10 20.9	-0.5
PVM	Phulchoki	53.93 306	eP	P	P	23 10 21.6	-0.1
PVM				P	P	23 10 21.6	-0.1

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KKN	Kakani	54.11 306	eP	P	P	23 10 22.4	-0.6
DMN	Daman	54.18 305	eP	P	P	23 10 23.1	-0.4
NKL	Nikolayevsk	54.20 6	eP	P	P	23 10 23.0	+0.2
NKL			e	e	e	23 17 58.0	
NKL			e	e	e	23 20 12.0	
NKL	comp-N,43nm,1.0s			pmax	pmax		
NKL	comp-Z,86nm,1.0s			pmax	pmax		
NKL	comp-Z,500nm,6.0s			pmax	pmax		
RPZ	Rata Peaks	54.33 147	eP	P	P	23 10 26.0	+2.0
LTZ	Lake Taylor	54.41 145	eP	P	P	23 10 27.0	+2.3
ZEA	Zeya	54.65 356	eP	S	S	23 10 29.6	+3.5
ZEA			e	S	S	23 18 05.0	+1.8
ZEA			e	S	S	23 20 15.0	
ZEA	comp-Z,500nm,6.0s			pmax	pmax		
ZEA	comp-Z,29nm,1.0s			smax	smax		
ZEA	comp-N,300nm,8.0s			smax	smax		
GKN	Gorkha	54.71 306	eP	P	P	23 10 26.6	-0.7
SKHT	Srikalahasti	54.96 287	eP	P	P	23 10 28.3	-0.8
ADKI	Addanki	55.14 290	eP	P	P	23 10 29.7	-0.7
CIT	Chita	55.26 345	eP	P	P	23 10 31.7	+1.0
CIT			e	e	e	23 10 39.0	
CIT			e	e	e	23 10 46.7	
CIT			pmax	pmax	pmax		
KOLN	Koldanda	55.47 305	eP	P	P	23 10 32.6	-0.2
DANN	Dangsing	55.56 306	eP	P	P	23 10 33.1	-0.5
AFI	Afiatalu	55.90 106	LR	LR	LR	23 32 47.0	
NJS	Nagarjunasagar	55.92 291	eP	P	P	23 10 34.8	-1.2
RYUN	Ryuzangi	56.09 305	eP	P	P	23 10 37.0	-0.3
SRML	Srisaillam	56.21 290	eP	P	P	23 10 36.6	-1.4
RPR	Rampur	56.46 293	eP	P	P	23 10 38.9	-0.9
HYB	Hyderabad	56.81 291	eP	P	P	23 10 40.6	-1.8
HYB			IAMB	IAMB	IAMB	23 10 42.3	
HYBB	Hyderabad (bro	56.81 291	eP	P	P	23 10 41.1	-1.3
ZAK	Zakamensk	57.11 338	eP	P	P	23 10 43.2	-0.8
ZAK				pmax	pmax		
NGP	Nagpur	57.26 296	eP	P	P	23 10 44.6	-0.9
NGP			IAMB	IAMB	IAMB	23 10 46.5	
SRSP	Sriramsagar	57.35 293	eP	P	P	23 10 44.8	-1.3
URV	Urvakonda	57.52 288	eP	P	P	23 10 45.5	-1.9
PEAOB	Petrovavlovsk-	57.55 17	eP	P	P	23 10 46.8	-0.1
PEAOB			P	P	P	23 10 46.8	-0.1
PETK	Petrovavlovsk-	57.55 17	P	P	P	23 10 46.8	-0.1
PETK			LR	LR	LR	23 32 13.9	
PETK	comp-Z,370nm,21.4s,baz=213,slow=33			LR	LR		
PETK	Petrovavlovsk	57.77 18	PFAKE	LR	LR	23 11 00.0	+12
PET	PET	57.77 18	iP	P	P	23 10 48.5	+0.2
PET			iS	S	S	23 18 45.0	+0.5
PET							

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, and other technical details. Includes stations like KURK, KURKB, KBL, DZA, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, and other technical details. Includes stations like KDAK, KDAK, KDAK, RSO, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, and other technical details. Includes stations like BRTR, ANTO, FINES, NVL, etc.







RORO	comp=N,49µm,1.1s	AML	AML						
RORO	comp=E,48µm,0.3s	AML	AML						
RORO	comp=N,49µm,1.1s	AML	AML						
RORO	comp=E,48µm,0.3s	AML	AML						
SKDS	Skadanscina	2.27	73	i Pn	Pn	23 37 08.1	-1.0		
SKDS	Skadanscina	2.27	73	Pn	Pn	23 37 08.1	-1.0		
WTTA	Wattenberg	2.38	12	ePn	Pb	23 37 14.1	-0.5		
WTTA	comp=E,27nm,0.3s	eSg	Sg			23 37 47.4	-0.6		
WTTA	Wattenberg	2.38	12	Pn	Pb	23 37 14.1	-0.5		
WTTA	comp=E,6.0nm,0.2s	Sg	Sg			23 37 47.4	-0.6		
JAVS	Javornik	2.42	66	i Pn	Pn	23 37 10.3	-0.9		
JAVS	Javornik	2.42	66	i Pn	Pn	23 37 10.3	-0.9		
WATA	Walderalm	2.44	11	ePn	Pb	23 37 14.4	-1.2		
WATA	Walderalm	2.44	11	Pn	Pb	23 37 14.4	-1.2		
DAVA	Damuels	2.46	343	ePn	Pb	23 37 14.1	-1.8		
DAVA	comp=E,49nm,0.5s	eSg	Sg			23 37 49.8	-0.7		
DAVA	Damuels	2.46	343	Pn	Pb	23 37 14.1	-1.8		
DAVA	comp=E,49nm,0.5s	Sg	Sg			23 37 49.8	-0.7		
KNDS	Knezi Dol	2.52	75	ePn	Pn	23 37 11.8	-0.8		
KNDS	Knezi Dol	2.52	75	ePn	Pn	23 37 11.8	-0.8		
NEGI	Seborga	2.55	246	AML	AML				
NEGI	comp=E,93µm,1.0s	AML	AML						
NEGI	comp=N,104µm,0.4s	AML	AML						
NEGI	comp=N,104µm,0.4s	AML	AML						
MYKA	Terra Mystica	2.55	47	ePg	Pg	23 37 19.2	-1.2		
MYKA	Terra Mystica	2.55	47	Pg	Pg	23 37 19.2	-1.2		
RETA	Reutte	2.55	358	ePn	Pn	23 37 15.3	+2.3		
RETA	Reutte	2.55	358	Pn	Pn	23 37 15.3	+2.3		
SAOF	Saorge	2.59	250	AML	AML				
SAOF	comp=N,50µm,1.1s	AML	AML						
SAOF	comp=E,53µm,1.2s	AML	AML						
SAOF	comp=N,50µm,1.1s	AML	AML						
SBF	Sospel	2.72	248	ePn	Pn	23 37 16.6	+1.3		
SBF	Sospel	2.72	248	eSg	Sg	23 37 49.9	+1.7		
SBF	Sospel	2.72	248	ePn	Pn	23 37 16.6	+1.3		
SBF	Sospel	2.72	248	eSg	Sg	23 37 49.9	+1.7		
LUCF	Luceram	2.76	249	P	Pn	23 37 16.7	+0.8		
LUCF	Luceram	2.76	249	P	Pn	23 37 16.7	+0.8		
LUCF	Luceram	2.76	249	S	Sb	23 37 54.8	-0.1		
PGF	Pioggiola	2.76	211	ePn	Pn	23 37 16.3	+0.4		
PGF	Pioggiola	2.76	211	eSg	Sg	23 37 48.8	-0.6		
PGF	Pioggiola	2.76	211	ePn	Pn	23 37 16.3	+0.4		
PGF	Pioggiola	2.76	211	eSg	Sg	23 37 48.8	-0.6		
NVLJ	Novalja	2.84	96	ePn	Pn	23 37 16.3	-0.6		
NVLJ	Novalja	2.84	96	Sn	Sn	23 37 49.3	-1.9		
VISS	Visnje	2.90	71	ePn	Pn	23 37 17.4	-0.3		
VISS	Visnje	2.90	71	ePn	Pn	23 37 17.4	-0.3		
VNDS	Vrn nad Dolski	2.91	65	i Pn	Pn	23 37 17.6	-0.2		
VNDS	Vrn nad Dolski	2.91	65	i Pn	Pn	23 37 17.6	-0.2		
MBDF	Montbardon	2.96	267	ePn	Pn	23 37 17.5	-1.1		
MBDF	Montbardon	2.96	267	ePn	Pn	23 37 17.5	-1.1		
OBKA	Obir	2.99	57	ePg	Pg	23 37 29.0	+0.2		
OBKA	comp=N,5.2nm,0.4s	eSg	Sg			23 38 10.8	+3.2		
OBKA	Obir	2.99	57	Pg	Pg	23 37 29.0	+0.2		
OBKA	comp=N,44nm,0.7s	Sg	Sg			23 38 10.8	+3.2		
LPG	La Plagne	3.00	282	ePn	Pn	23 37 19.0	-0.3		
LPG	La Plagne	3.00	282	ePn	Pn	23 37 19.0	-0.3		
LPL	La Plagne	3.01	283	ePn	Pn	23 37 20.7	+1.2		
LPL	La Plagne	3.01	283	eSg	Sg	23 37 57.5	+1.8		
LPL	La Plagne	3.01	283	ePn	Pn	23 37 20.7	+1.2		
LPL	La Plagne	3.01	283	eSg	Sg	23 37 57.5	+1.8		
CALF	Calern	3.10	249	P	Pn	23 37 22.3	+1.7		
CALF	Calern	3.10	249	P	Pn	23 37 22.3	+1.7		
OZLJ	Ozalj	3.28	76	ePn	Pn	23 37 22.6	-0.4		
OZLJ	Ozalj	3.28	76	Sn	Sn	23 38 00.6	-1.4		
FRF	La Foret Royal	3.36	247	ePn	Pn	23 37 25.1	+1.0		
FRF	La Foret Royal	3.36	247	eSg	Sg	23 38 05.0	+1.0		
FRF	La Foret Royal	3.36	247	ePn	Pn	23 37 25.1	+1.0		
FRF	La Foret Royal	3.36	247	eSg	Sg	23 38 05.0	+1.0		
LMR	La Moure	3.55	245	ePn	Pn	23 37 27.0	+0.3		
LMR	La Moure	3.55	245	eSg	Sg	23 38 08.7	0.0		
LMR	La Moure	3.55	245	ePn	Pn	23 37 27.0	+0.3		
LMR	La Moure	3.55	245	eSg	Sg	23 38 08.7	0.0		
ORIF	Oris-en-Rattie	3.58	271	ePn	Pn	23 37 28.2	+1.1		
ORIF	Oris-en-Rattie	3.58	271	eSg	Sg	23 38 11.2	+1.8		
ORIF	Oris-en-Rattie	3.58	271	ePn	Pn	23 37 28.2	+1.1		
ORIF	Oris-en-Rattie	3.58	271	eSg	Sg	23 38 11.2	+1.8		
ORIF	Oris-en-Rattie	3.58	271	P	Pn	23 37 28.7	+1.6		
KIZ	Kirchzarten	3.66	327	P	Pn	23 37 28.5	+0.3		
KIZ	Kirchzarten	3.66	327	P	Pn	23 37 28.5	+0.3		
MOA	Molin	3.72	37	i Pn	Pn	23 37 30.3	+1.2		
MOA	Molin	3.72	37	Pn	Pn	23 37 30.3	+1.2		
CHMF	Charmoilie	3.76	309	P	Pn	23 37 29.9	+0.3		
CHMF	Charmoilie	3.76	309	P	Pn	23 37 29.9	+0.3		
CABF	La Chapelle	3.77	298	ePn	Pn	23 37 30.6	+0.8		
CABF	La Chapelle	3.77	298	eSg	Sg	23 38 14.3	+0.1		
CABF	La Chapelle	3.77	298	ePn	Pn	23 37 30.6	+0.8		
CABF	La Chapelle	3.77	298	eSg	Sg	23 38 14.3	+0.1		
HINF	Hinteralfeld	4.02	317	ePn	Pn	23 37 33.0	-0.2		
HINF	Hinteralfeld	4.02	317	eSg	Sg	23 38 20.2	-0.2		
HINF	Hinteralfeld	4.02	317	ePn	Pn	23 37 33.0	-0.2		
HINF	Hinteralfeld	4.02	317	eSg	Sg	23 38 20.2	-0.2		
OPP	Oppenau	4.03	333	P	Pn	23 37 33.3	+0.1		
OPP	Oppenau	4.03	333	P	Pn	23 37 33.3	+0.1		
ECH	Echery	4.18	323	P	Pn	23 37 35.5	+0.2		
ECH	Echery	4.18	323	P	Pn	23 37 35.5	+0.2		
CDF	Champ du Feu	4.28	326	ePn	Pn	23 37 36.5	-0.3		
CDF	Champ du Feu	4.28	326	eSg	Sg	23 38 25.9	-1.0		
CDF	Champ du Feu	4.28	326	ePn	Pn	23 37 36.5	-0.3		
CDF	Champ du Feu	4.28	326	eSg	Sg	23 38 25.9	-1.0		
HAU	Haudompre	4.40	316	ePn	Pn	23 37 37.8	-0.6		
HAU	Haudompre	4.40	316	eSg	Sg	23 38 29.2	-0.5		
HAU	Haudompre	4.40	316	ePn	Pn	23 37 37.8	-0.6		
HAU	Haudompre	4.40	316	eSg	Sg	23 38 29.2	-0.5		
VIVF	Saint-Julien-I	4.44	271	ePn	Pn	23 37 38.5	-0.4		
VIVF	Saint-Julien-I	4.44	271	eSg	Sg	23 38 30.6	0.0		
VIVF	Saint-Julien-I	4.44	271	ePn	Pn	23 37 38.5	-0.4		
VIVF	Saint-Julien-I	4.44	271	eSg	Sg	23 38 30.6	0.0		
KHC	Kasperske Hory	4.57	23	ePn	Pn	23 37 40.7	0.0		
KHC	Kasperske Hory	4.57	23	ePg	Pg	23 37 58.6	-0.5		

KHC	eSN	Sn	23 38 33.0	-0.9
KHC	eSG	Sg	23 39 03.2	+4.9
KHC	comp=N,9.9nm,0.6s	Pn	23 37 40.7	0.0
SMF	Signal de Mont	4.57	23	ePn
SMF	Signal de Mont	5.23	292	eSg
SMF	Signal de Mont	5.23	292	ePn
SMF	Signal de Mont	5.23	292	eSg
LOR	Lormes	5.43	298	ePn
LOR	Lormes	5.43	298	eSg
LOR	Lormes	5.43	298	ePn
LOR	Lormes	5.43	298	eSg
LOR	Lormes	5.43	298	P
SSF	Saint Saule	5.58	295	ePn
SSF	Saint Saule	5.58	295	eSg
SSF	Saint Saule	5.58	295	ePn
SSF	Saint Saule	5.58	295	eSg
AVF	Avril sur Loir	5.60	292	ePn
AVF	Avril sur Loir	5.60	292	eSg
AVF	Avril sur Loir	5.60	292	ePn
AVF	Avril sur Loir	5.60	292	eSg
BGF	Bois d'Agland	5.87	289	ePn
BGF	Bois d'Agland	5.87	289	eSg
BGF	Bois d'Agland	5.87	289	ePn
BGF	Bois d'Agland	5.87	289	eSg
TCF	Touix Ste Croi	6.25	286	ePn
TCF	Touix Ste Croi	6.25	286	eSg
TCF	Touix Ste Croi	6.25	286	ePn
TCF	Touix Ste Croi	6.25	286	eSg
BRG	Berggiesshubel	6.28	18	SG
BRG	Berggiesshubel	6.28	18	Sg

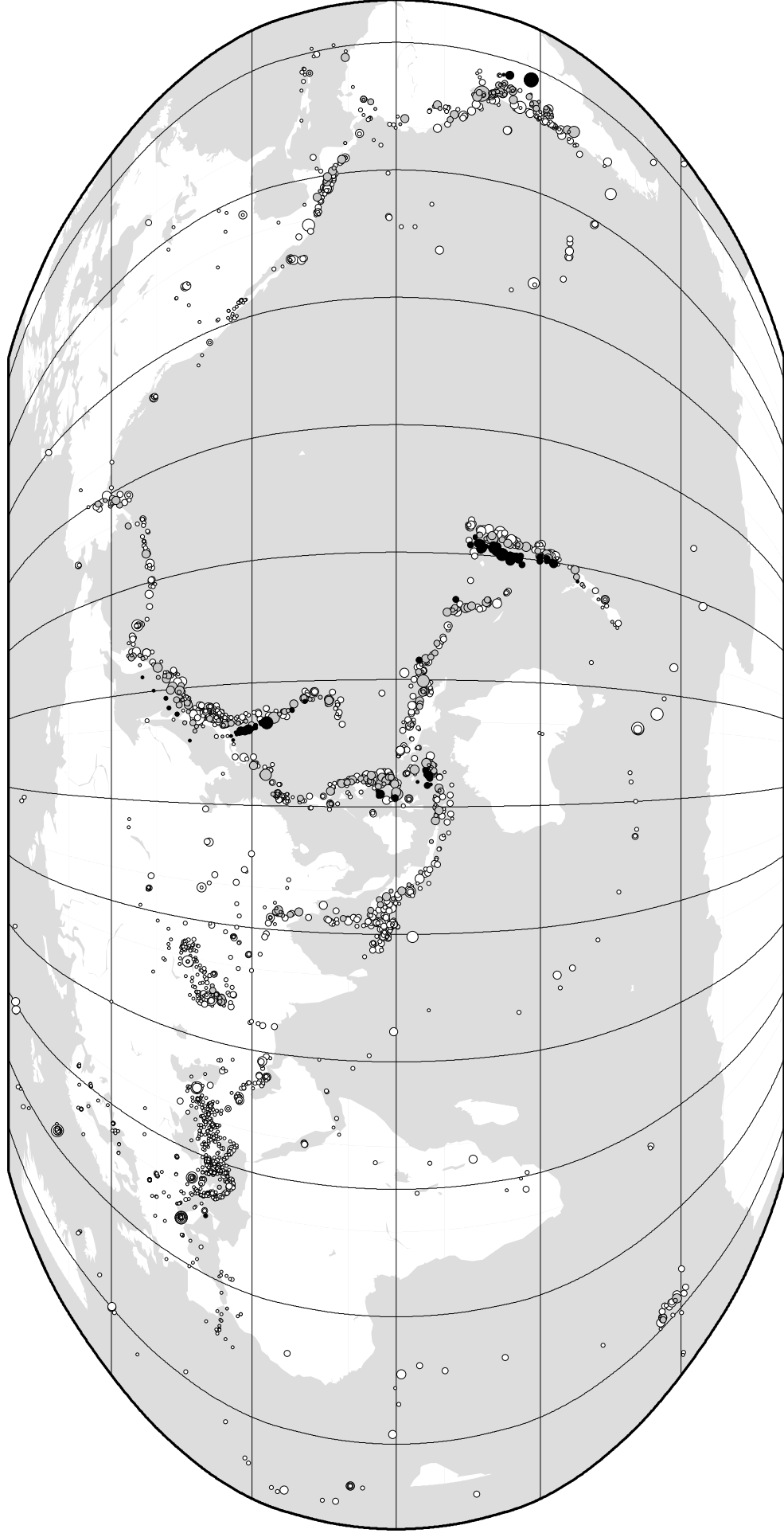
ISCJB 31 23:45:19.6:0.8,59:3N:0:2:30:4W:0:2,h16km,mb3.5/9,MS4.3/1,Error ellipse: s-maj=23.7km s-min=15.3km az=26.0

IDC 31 23:45:19.1±1.0,59:35N:30:37W,h0km,mb3.5/9,mb1 3.7/9,mb1mx3.4/65,mbtp3.5/9,MS4.3/1,Ms1 4.3/1,ms1mx2.9/51,Error ellipse: s-maj=29.3km s-min=19.1km az=21.0

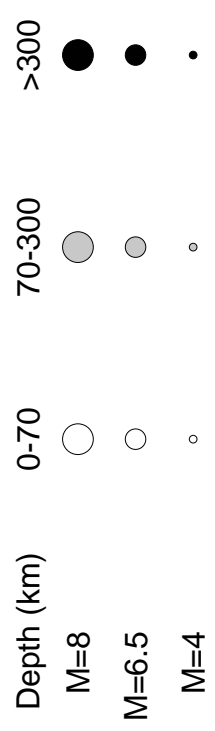
ISC 31 23:45:21.5:0.9,59:3N:0:2:30:5W:0:1,h16km,n11,r0597/10,mb3.6/9,Reykjanes Ridge

Code	Station Name	Δ	AZ	Phase ID	Op	ISC	Time	Res
							h	s
EKA	Eskdalemuir Ar	15.21	93	Pn	P		23 49 00.7	+0.4
ARCES	ARCESS Array B	25.22	43	P	P		23 50 46.0	0.0
ESDC	Sonsec Array	25.83	128					

# ISC Computed Locations for May 2012



Robinson Projection, centred on 0°N, 130°E



3710 Events